



Bell-Southcn Testing Laboratory(Shenzhen)  
www.bell-southcn.com  
Email:Marketing@bell-southcn.com  
Tel:+86 755 29405577 Fax:+86 755 29405799  
Address:No.115,1st Floor,A5 Building,Tianrui Industrial Park,Fuyuan 1st Road,Fuyong,Bao'an District,Shenzhen,China.

---

## TroyCSL Lighting

---

Client:

LumCAT: B2363CR

Luminaire:

Report No: BSR202203040401-9

Ballast type:

Test No: BSR202203040401-9

Voltage(V): 120.000

LampCAT: A19 100W

Current(A): 0.822

Lamp flux(lm)

Power (W): 98.750

Number of Lamps: 1

PF: 1.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

---

## Photometric Results

---

Lumens(lm): 201.71, Luminous Efficacy(lm/W): 2.04

Central intensity(cd): 124.086, Maximum intensity(cd): 129.461

Angle of maximum intensity: C=202.5  $\gamma$ =32.0

Beam Angle(50%Imax): [C0/180]Total=83.4

[C90/270]Total=82.7

Field angle(10%Imax): [C0/180]Total=93.0

[C90/270]Total=88.6

Maximum s/h(1/2): C0\_180=1.55 C90\_270=1.26

Maximum s/h(1/4): C0\_180=1.25 C90\_270=1.09

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.855%

## TroyCSL Lighting B2363CR

## Zonal flux distribution table

Appendix Page: 2 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0                | 124.086       | 0.000       | 0         | 0.00%       | 0.00%      |
| 1.0                | 124.399       | 0.119       | 0.119     | 0.06%       | 0.06%      |
| 2.0                | 124.114       | 0.357       | 0.476     | 0.18%       | 0.24%      |
| 3.0                | 124.200       | 0.594       | 1.069     | 0.29%       | 0.53%      |
| 4.0                | 123.879       | 0.830       | 1.9       | 0.41%       | 0.94%      |
| 5.0                | 123.551       | 1.064       | 2.964     | 0.53%       | 1.47%      |
| 6.0                | 123.209       | 1.297       | 4.261     | 0.64%       | 2.11%      |
| 7.0                | 122.881       | 1.527       | 5.789     | 0.76%       | 2.87%      |
| 8.0                | 122.047       | 1.753       | 7.541     | 0.87%       | 3.74%      |
| 9.0                | 121.562       | 1.974       | 9.516     | 0.98%       | 4.72%      |
| 10.0               | 121.106       | 2.196       | 11.712    | 1.09%       | 5.81%      |
| 11.0               | 120.571       | 2.415       | 14.127    | 1.20%       | 7.00%      |
| 12.0               | 119.844       | 2.628       | 16.755    | 1.30%       | 8.31%      |
| 13.0               | 118.447       | 2.828       | 19.583    | 1.40%       | 9.71%      |
| 14.0               | 117.042       | 3.014       | 22.597    | 1.49%       | 11.20%     |
| 15.0               | 116.900       | 3.212       | 25.809    | 1.59%       | 12.80%     |
| 16.0               | 117.491       | 3.434       | 29.243    | 1.70%       | 14.50%     |
| 17.0               | 117.028       | 3.652       | 32.895    | 1.81%       | 16.31%     |
| 18.0               | 116.850       | 3.856       | 36.751    | 1.91%       | 18.22%     |
| 19.0               | 116.187       | 4.054       | 40.806    | 2.01%       | 20.23%     |
| 20.0               | 115.973       | 4.249       | 45.055    | 2.11%       | 22.34%     |
| 21.0               | 116.237       | 4.459       | 49.514    | 2.21%       | 24.55%     |
| 22.0               | 115.631       | 4.659       | 54.173    | 2.31%       | 26.86%     |
| 23.0               | 115.296       | 4.845       | 59.019    | 2.40%       | 29.26%     |
| 24.0               | 115.317       | 5.042       | 64.061    | 2.50%       | 31.76%     |
| 25.0               | 115.545       | 5.249       | 69.31     | 2.60%       | 34.36%     |
| 26.0               | 116.044       | 5.467       | 74.777    | 2.71%       | 37.07%     |
| 27.0               | 116.436       | 5.688       | 80.464    | 2.82%       | 39.89%     |
| 28.0               | 116.358       | 5.894       | 86.358    | 2.92%       | 42.81%     |
| 29.0               | 115.588       | 6.068       | 92.427    | 3.01%       | 45.82%     |
| 30.0               | 115.517       | 6.240       | 98.666    | 3.09%       | 48.92%     |
| 31.0               | 115.338       | 6.424       | 105.091   | 3.18%       | 52.10%     |
| 32.0               | 115.417       | 6.611       | 111.702   | 3.28%       | 55.38%     |
| 33.0               | 115.431       | 6.801       | 118.502   | 3.37%       | 58.75%     |
| 34.0               | 115.110       | 6.977       | 125.479   | 3.46%       | 62.21%     |
| 35.0               | 113.392       | 7.096       | 132.576   | 3.52%       | 65.73%     |
| 36.0               | 109.243       | 7.089       | 139.665   | 3.51%       | 69.24%     |
| 37.0               | 103.077       | 6.925       | 146.589   | 3.43%       | 72.67%     |

Equipment: GMS1800  
Temperature( $^{\circ}$ C): 25.0

Date: 2022/3/4  
Humidity(%): 59.0%

Operator: 01  
Distance(m): 10.68

## TroyCSL Lighting B2363CR

## Zonal flux distribution table

Appendix Page: 3 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0               | 96.789        | 6.671       | 153.26    | 3.31%       | 75.98%     |
| 39.0               | 87.158        | 6.279       | 159.539   | 3.11%       | 79.09%     |
| 40.0               | 78.154        | 5.765       | 165.305   | 2.86%       | 81.95%     |
| 41.0               | 70.341        | 5.288       | 170.592   | 2.62%       | 84.57%     |
| 42.0               | 58.564        | 4.683       | 175.276   | 2.32%       | 86.90%     |
| 43.0               | 49.375        | 3.998       | 179.274   | 1.98%       | 88.88%     |
| 44.0               | 43.173        | 3.493       | 182.767   | 1.73%       | 90.61%     |
| 45.0               | 33.577        | 2.950       | 185.717   | 1.46%       | 92.07%     |
| 46.0               | 28.017        | 2.409       | 188.126   | 1.19%       | 93.27%     |
| 47.0               | 19.170        | 1.877       | 190.002   | 0.93%       | 94.20%     |
| 48.0               | 13.431        | 1.318       | 191.32    | 0.65%       | 94.85%     |
| 49.0               | 8.769         | 0.912       | 192.232   | 0.45%       | 95.30%     |
| 50.0               | 6.687         | 0.644       | 192.876   | 0.32%       | 95.62%     |
| 51.0               | 5.867         | 0.531       | 193.407   | 0.26%       | 95.89%     |
| 52.0               | 5.389         | 0.483       | 193.89    | 0.24%       | 96.12%     |
| 53.0               | 5.076         | 0.455       | 194.346   | 0.23%       | 96.35%     |
| 54.0               | 4.855         | 0.438       | 194.783   | 0.22%       | 96.57%     |
| 55.0               | 4.562         | 0.420       | 195.204   | 0.21%       | 96.78%     |
| 56.0               | 4.370         | 0.404       | 195.607   | 0.20%       | 96.98%     |
| 57.0               | 4.106         | 0.388       | 195.995   | 0.19%       | 97.17%     |
| 58.0               | 3.835         | 0.367       | 196.362   | 0.18%       | 97.35%     |
| 59.0               | 3.657         | 0.350       | 196.712   | 0.17%       | 97.52%     |
| 60.0               | 3.415         | 0.334       | 197.046   | 0.17%       | 97.69%     |
| 61.0               | 3.179         | 0.315       | 197.361   | 0.16%       | 97.85%     |
| 62.0               | 2.973         | 0.296       | 197.658   | 0.15%       | 97.99%     |
| 63.0               | 2.745         | 0.278       | 197.936   | 0.14%       | 98.13%     |
| 64.0               | 2.552         | 0.260       | 198.196   | 0.13%       | 98.26%     |
| 65.0               | 2.353         | 0.243       | 198.438   | 0.12%       | 98.38%     |
| 66.0               | 2.139         | 0.224       | 198.662   | 0.11%       | 98.49%     |
| 67.0               | 2.017         | 0.209       | 198.871   | 0.10%       | 98.59%     |
| 68.0               | 1.846         | 0.196       | 199.067   | 0.10%       | 98.69%     |
| 69.0               | 1.754         | 0.184       | 199.251   | 0.09%       | 98.78%     |
| 70.0               | 1.618         | 0.173       | 199.424   | 0.09%       | 98.87%     |
| 71.0               | 1.504         | 0.161       | 199.585   | 0.08%       | 98.95%     |
| 72.0               | 1.426         | 0.152       | 199.738   | 0.08%       | 99.02%     |
| 73.0               | 1.340         | 0.145       | 199.882   | 0.07%       | 99.10%     |
| 74.0               | 1.276         | 0.138       | 200.02    | 0.07%       | 99.16%     |
| 75.0               | 1.205         | 0.131       | 200.151   | 0.06%       | 99.23%     |

Equipment: GMS1800  
Temperature( $^{\circ}\text{C}$ ): 25.0

Date: 2022/3/4  
Humidity(%): 59.0%

Operator: 01  
Distance(m): 10.68

## TroyCSL Lighting B2363CR

## Zonal flux distribution table

Appendix Page: 4 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0               | 1.155         | 0.125       | 200.276   | 0.06%       | 99.29%     |
| 77.0               | 1.098         | 0.120       | 200.396   | 0.06%       | 99.35%     |
| 78.0               | 1.076         | 0.116       | 200.513   | 0.06%       | 99.41%     |
| 79.0               | 1.012         | 0.112       | 200.625   | 0.06%       | 99.46%     |
| 80.0               | 1.005         | 0.109       | 200.734   | 0.05%       | 99.52%     |
| 81.0               | 0.984         | 0.108       | 200.841   | 0.05%       | 99.57%     |
| 82.0               | 0.970         | 0.106       | 200.947   | 0.05%       | 99.62%     |
| 83.0               | 0.941         | 0.104       | 201.051   | 0.05%       | 99.67%     |
| 84.0               | 0.927         | 0.102       | 201.153   | 0.05%       | 99.72%     |
| 85.0               | 0.941         | 0.102       | 201.255   | 0.05%       | 99.78%     |
| 86.0               | 0.920         | 0.102       | 201.356   | 0.05%       | 99.83%     |
| 87.0               | 0.920         | 0.101       | 201.457   | 0.05%       | 99.88%     |
| 88.0               | 0.912         | 0.100       | 201.557   | 0.05%       | 99.93%     |
| 89.0               | 0.912         | 0.100       | 201.657   | 0.05%       | 99.98%     |
| 90.0               | 0.000         | 0.050       | 201.707   | 0.02%       | 100.00%    |
| 91.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 92.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 93.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 94.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 95.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 96.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 97.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 98.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 99.0               | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 100.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 101.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 102.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 103.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 104.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 105.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 106.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 107.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 108.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 109.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 110.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 111.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 112.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 113.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |

Equipment: GMS1800  
Temperature( $^{\circ}\text{C}$ ): 25.0

Date: 2022/3/4  
Humidity(%): 59.0%

Operator: 01  
Distance(m): 10.68

## TroyCSL Lighting B2363CR

## Zonal flux distribution table

Appendix Page: 5 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 114.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 115.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 116.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 117.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 118.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 119.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 120.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 121.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 122.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 123.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 124.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 125.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 126.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 127.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 128.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 129.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 130.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 131.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 132.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 133.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 134.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 135.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 136.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 137.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 138.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 139.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 140.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 141.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 142.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 143.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 144.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 145.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 146.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 147.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 148.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 149.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 150.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 151.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |

Equipment: GMS1800  
Temperature( $^{\circ}\text{C}$ ): 25.0

Date: 2022/3/4  
Humidity(%): 59.0%

Operator: 01  
Distance(m): 10.68

# TroyCSL Lighting B2363CR

## Zonal flux distribution table

Appendix Page: 6 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 152.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 153.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 154.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 155.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 156.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 157.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 158.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 159.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 160.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 161.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 162.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 163.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 164.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 165.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 166.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 167.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 168.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 169.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 170.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 171.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 172.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 173.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 174.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 175.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 176.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 177.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 178.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 179.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |
| 180.0              | 0.000         | 0.000       | 201.707   | 0.00%       | 100.00%    |

Equipment: GMS1800  
Temperature( $^{\circ}\text{C}$ ): 25.0

Date: 2022/3/4  
Humidity(%): 59.0%

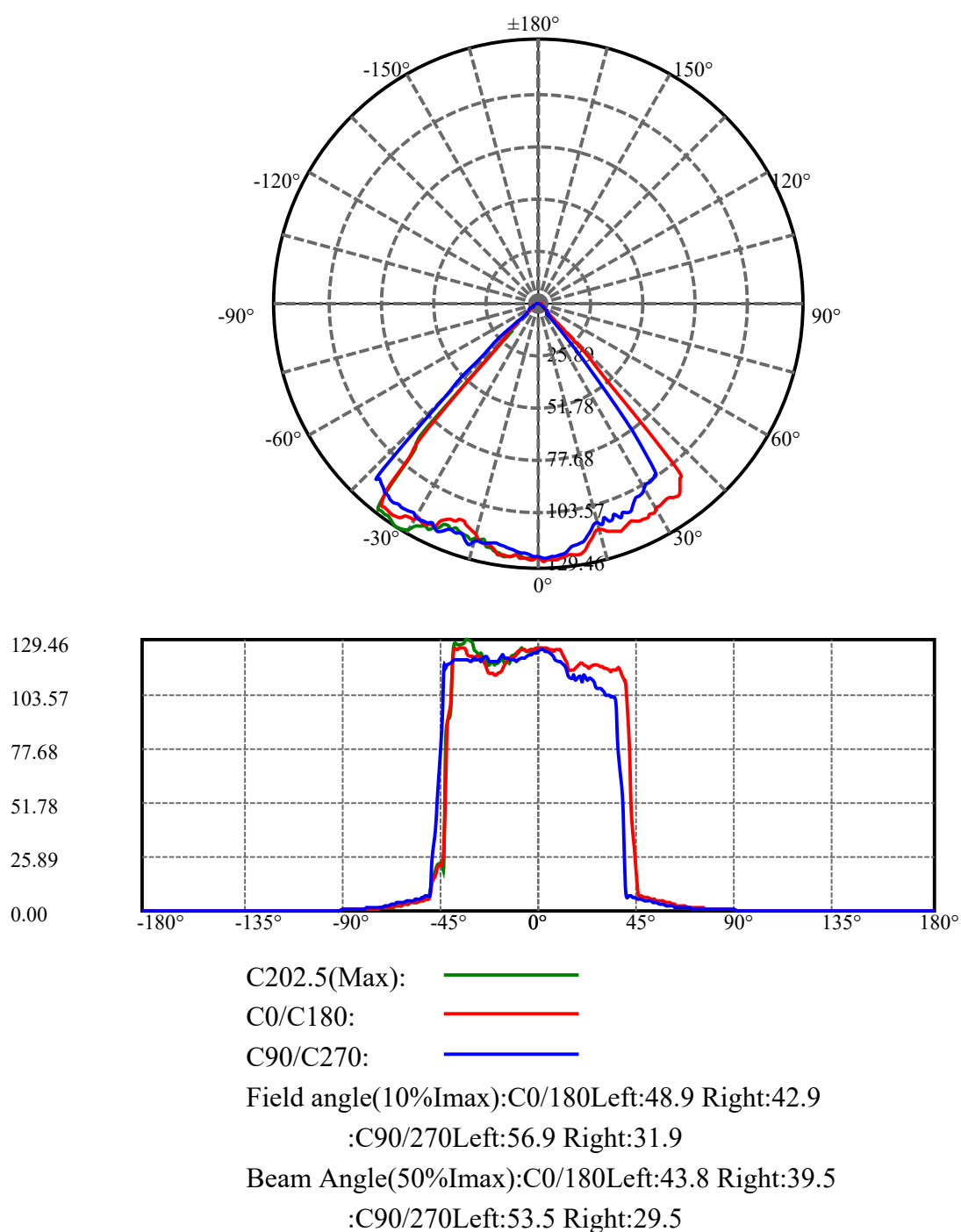
Operator: 01  
Distance(m): 10.68

## ZONAL LUMEN SUMMARY

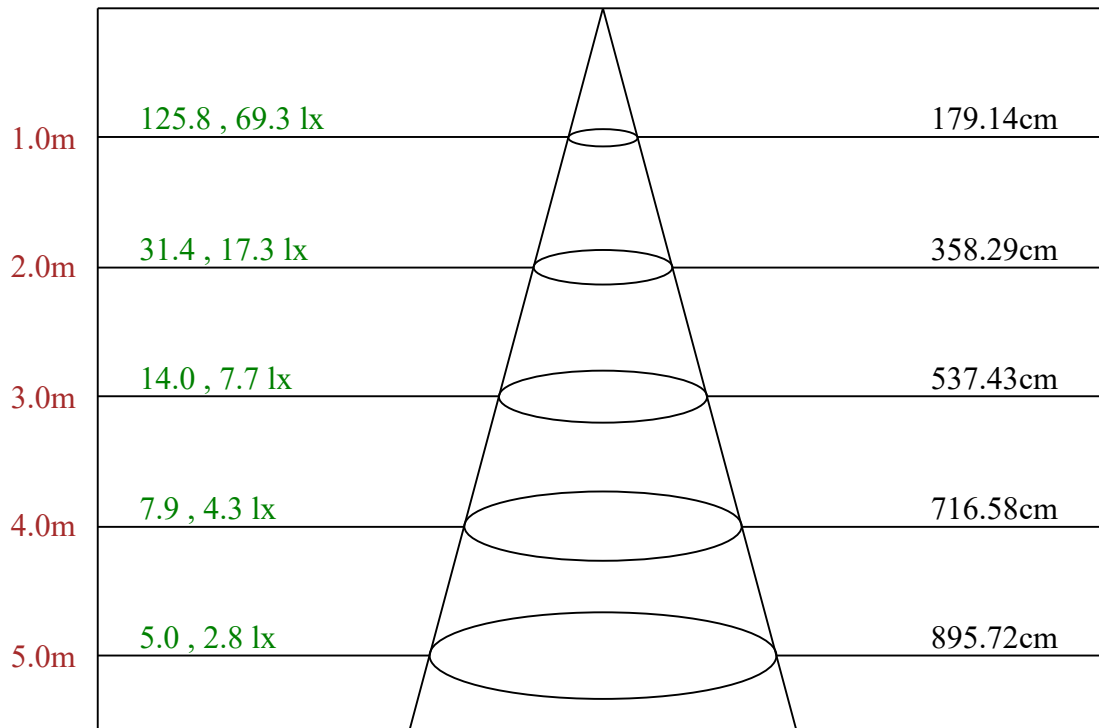
| Zone    | Lumens | %Fixt   |
|---------|--------|---------|
| 0-30    | 98.67  | 48.92%  |
| 0-40    | 165.30 | 81.95%  |
| 0-60    | 197.05 | 97.69%  |
| 0-90    | 201.71 | 100.00% |
| 0-120   | 201.71 | 100.00% |
| 0-180   | 201.71 | 100.00% |
| 60-90   | 4.66   | 2.31%   |
| 90-120  | 0.00   | 0.00%   |
| 90-130  | 0.00   | 0.00%   |
| 90-150  | 0.00   | 0.00%   |
| 90-180  | 0.00   | 0.00%   |
| 0-39.32 | 161.37 | 80.00%  |

## ZONAL LUMEN SUMMARY

|         |       |
|---------|-------|
| 0-10    | 11.71 |
| 10-20   | 33.34 |
| 20-30   | 53.61 |
| 30-40   | 66.64 |
| 40-50   | 27.57 |
| 50-60   | 4.17  |
| 60-70   | 2.38  |
| 70-80   | 1.31  |
| 80-90   | 0.97  |
| 90-100  | 0.00  |
| 100-110 | 0.00  |
| 110-120 | 0.00  |
| 120-130 | 0.00  |
| 130-140 | 0.00  |
| 140-150 | 0.00  |
| 150-160 | 0.00  |
| 160-170 | 0.00  |
| 170-180 | 0.00  |

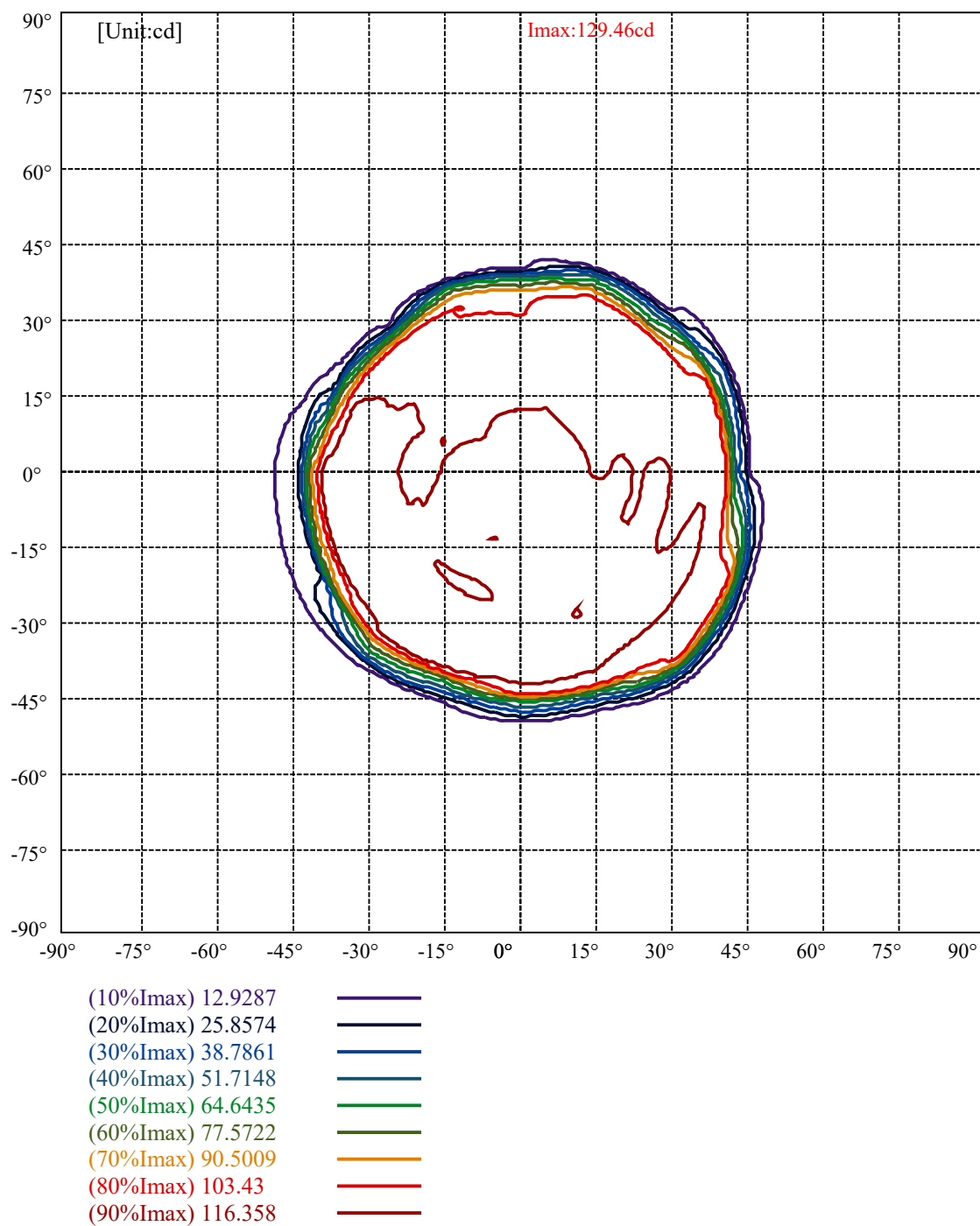


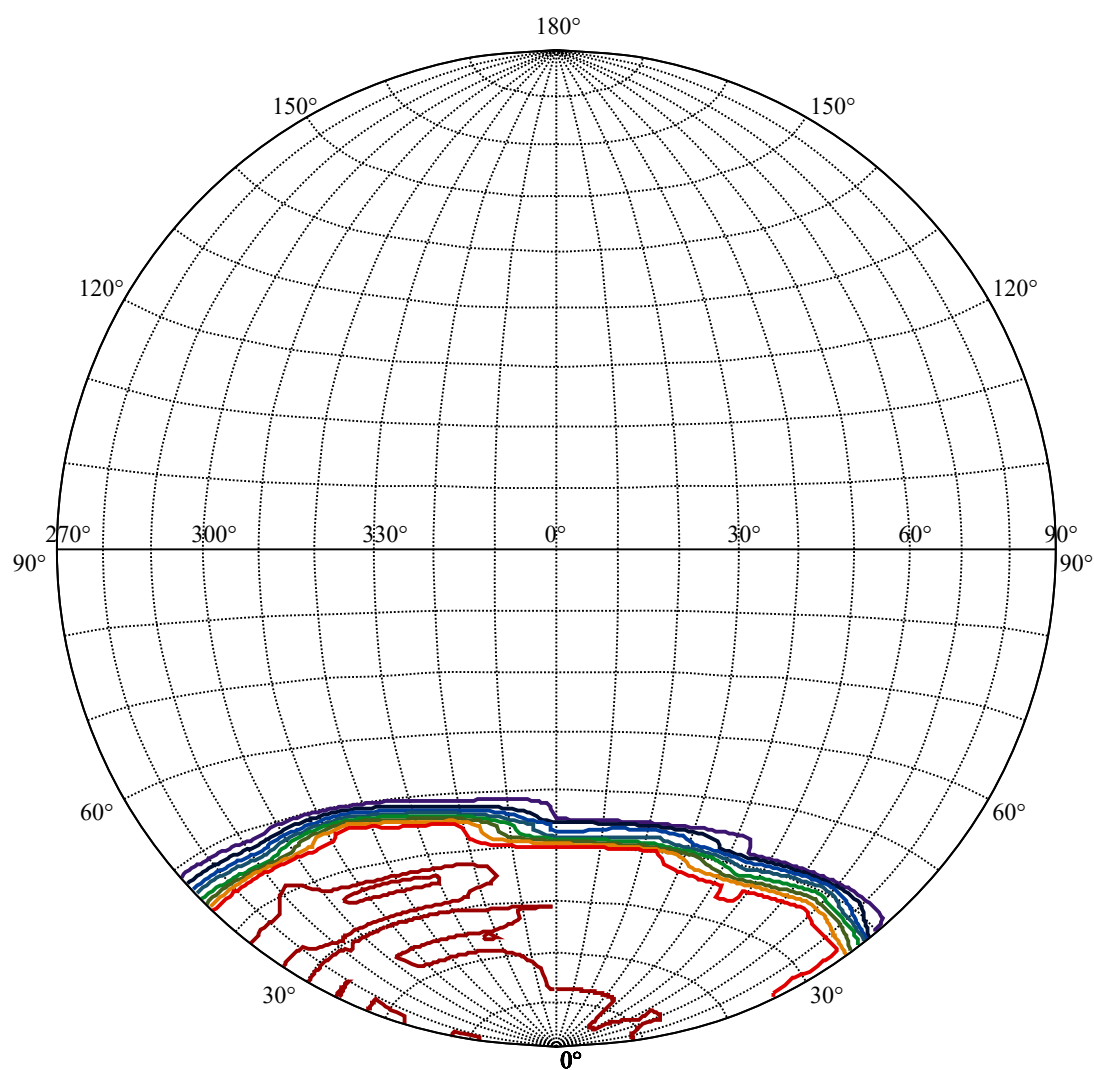




Max , Ave

Beam angle of C202.5 plane 83.70





House

[Unit:cd]

Road

Imax:129.46

(10%Imax) 12.9372

(20%Imax) 25.8744

(30%Imax) 38.8116

(40%Imax) 51.7488

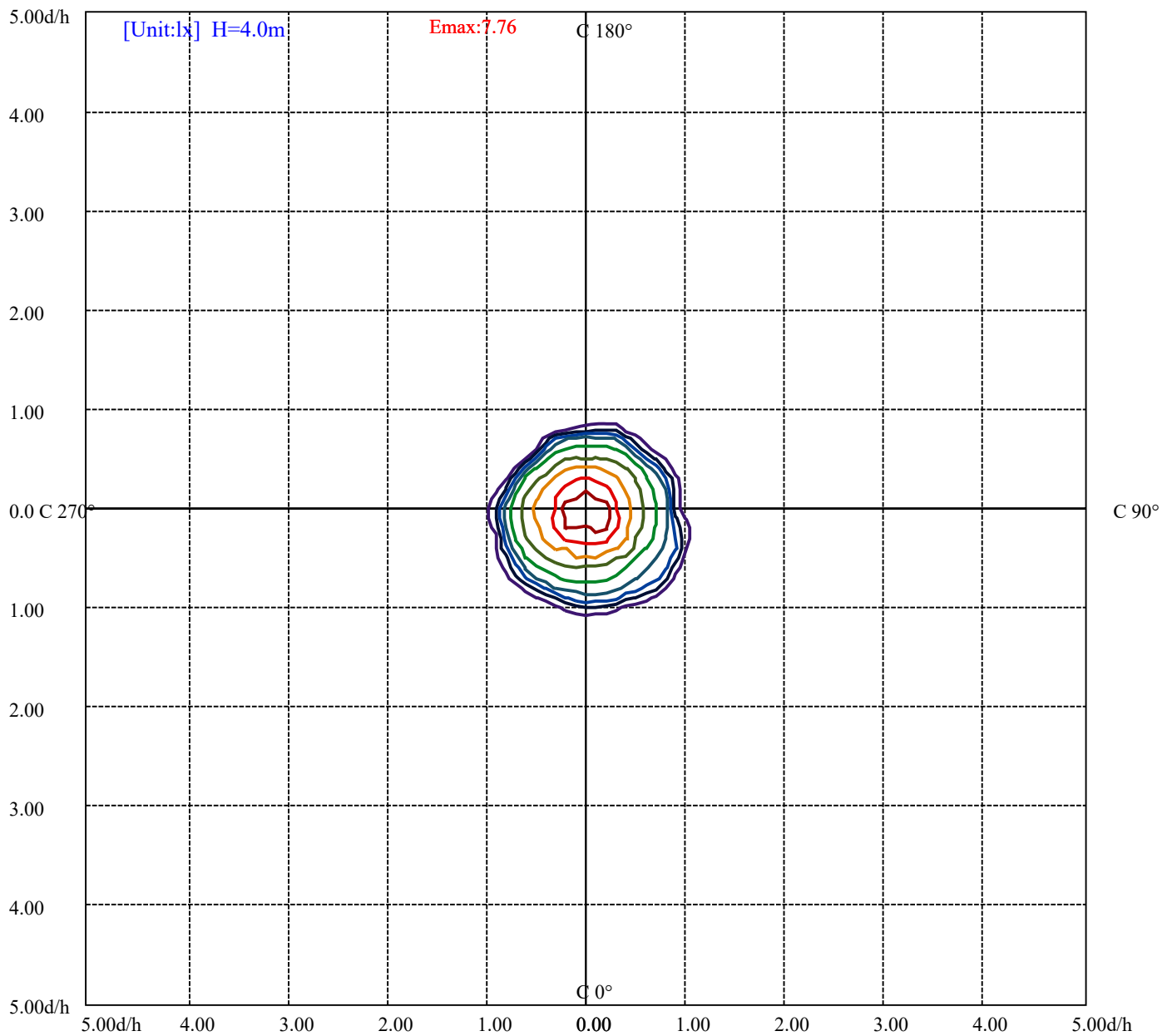
(50%Imax) 64.6861

(60%Imax) 77.6233

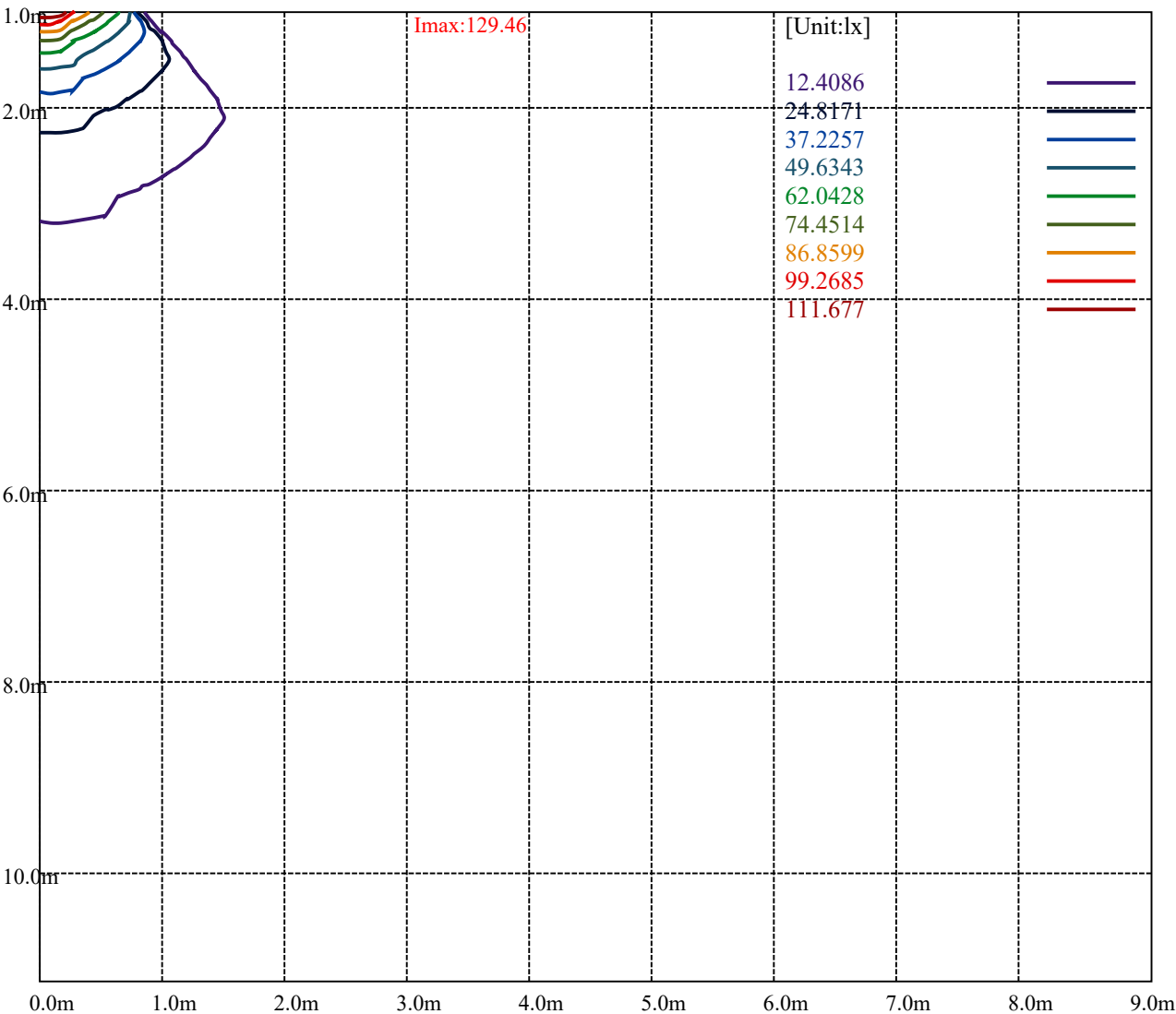
(70%Imax) 90.5605

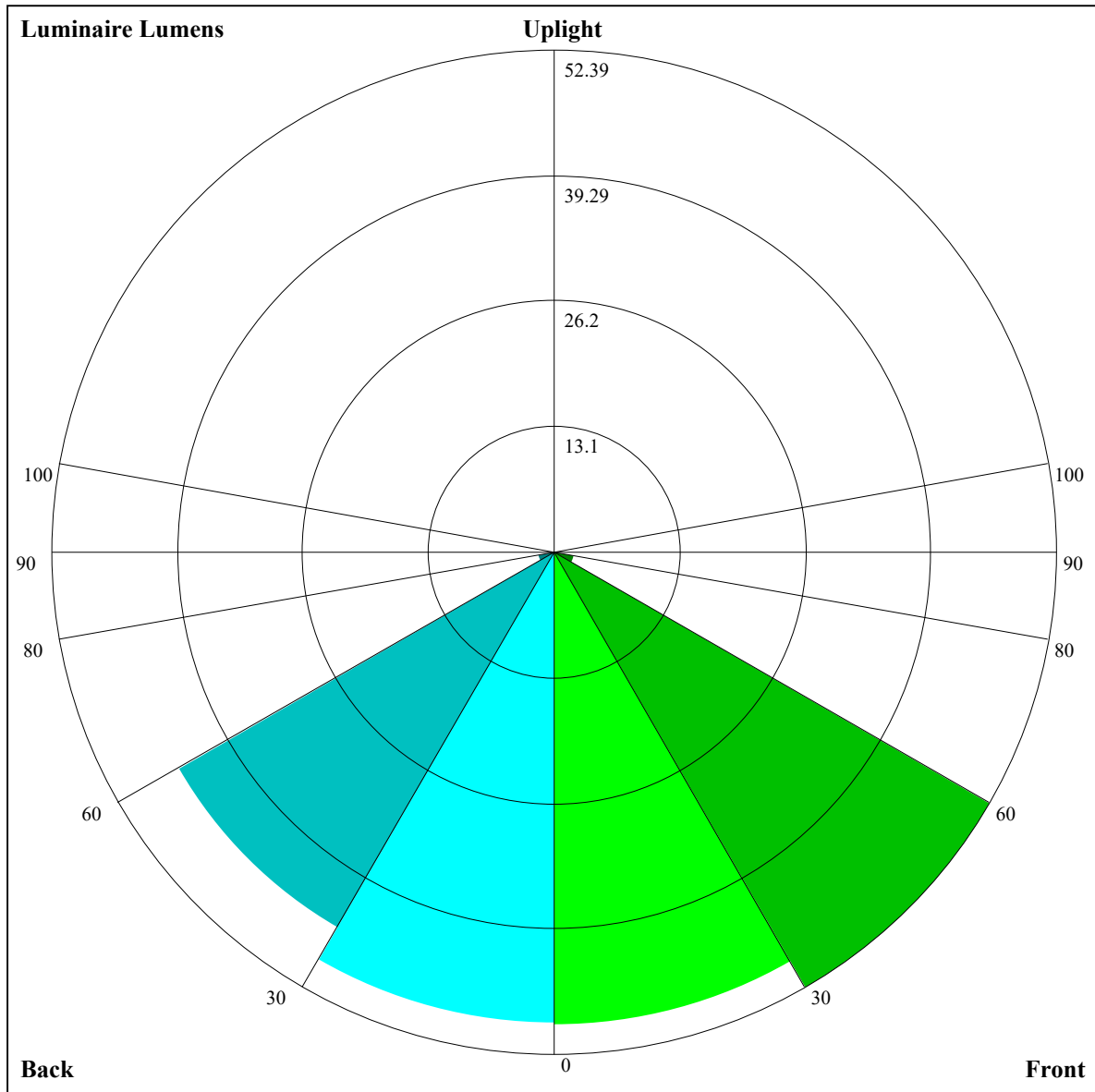
(80%Imax) 103.498

(90%Imax) 116.435



|           |           |  |
|-----------|-----------|--|
| (10%Emax) | 0.7755375 |  |
| (20%Emax) | 1.551075  |  |
| (30%Emax) | 2.326612  |  |
| (40%Emax) | 3.102144  |  |
| (50%Emax) | 3.877681  |  |
| (60%Emax) | 4.653219  |  |
| (70%Emax) | 5.428756  |  |
| (80%Emax) | 6.204294  |  |
| (90%Emax) | 6.979813  |  |





Luminaire Lumens:

FL=49.25,FM=52.39,FH=2.04,FVH=0.46

BL=49.24,BM=45.23,BH=1.67,BVH=0.44

UL=0,UH=0

BUG Rating:B0-U0-G0

# TroyCSL Lighting B2363CR

| Intensity data(cd) |        |        |        |        |        |        |        |        |        | Appendix Page: 15 Total:21 |  |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------|--|
| C/γ(°)             | 0.0    | 1.0    | 2.0    | 3.0    | 4.0    | 5.0    | 6.0    | 7.0    | 8.0    |                            |  |
| 0.0                | 124.09 | 125.81 | 125.70 | 125.35 | 125.35 | 124.78 | 124.56 | 123.99 | 124.44 |                            |  |
| 22.5               | 124.09 | 125.70 | 125.70 | 126.04 | 125.47 | 124.56 | 124.33 | 123.42 | 121.36 |                            |  |
| 45.0               | 124.09 | 124.67 | 124.56 | 123.53 | 122.73 | 122.39 | 119.65 | 119.42 | 117.94 |                            |  |
| 67.5               | 124.09 | 123.99 | 123.64 | 124.78 | 125.01 | 125.24 | 124.33 | 123.30 | 121.13 |                            |  |
| 90.0               | 124.09 | 124.33 | 124.44 | 124.10 | 123.87 | 123.19 | 122.50 | 121.36 | 119.88 |                            |  |
| 112.5              | 124.09 | 123.76 | 123.07 | 124.21 | 123.19 | 123.07 | 122.39 | 122.05 | 120.34 |                            |  |
| 135.0              | 124.09 | 124.44 | 123.76 | 123.07 | 122.85 | 122.27 | 121.82 | 120.91 | 118.05 |                            |  |
| 157.5              | 124.09 | 124.56 | 123.19 | 124.78 | 124.44 | 124.21 | 123.99 | 123.64 | 121.13 |                            |  |
| 180.0              | 124.09 | 125.58 | 125.01 | 124.78 | 124.78 | 123.53 | 124.78 | 124.44 | 124.33 |                            |  |
| 202.5              | 124.09 | 124.21 | 124.33 | 124.78 | 123.87 | 123.64 | 124.33 | 124.90 | 125.13 |                            |  |
| 225.0              | 124.09 | 124.10 | 123.42 | 123.64 | 123.64 | 123.42 | 122.96 | 123.42 | 123.99 |                            |  |
| 247.5              | 124.09 | 123.64 | 123.64 | 122.96 | 122.27 | 122.05 | 121.59 | 121.48 | 122.05 |                            |  |
| 270.0              | 124.09 | 123.30 | 122.96 | 122.62 | 122.27 | 121.59 | 120.91 | 120.56 | 120.22 |                            |  |
| 292.5              | 124.09 | 123.30 | 122.96 | 122.62 | 121.70 | 121.70 | 121.48 | 121.59 | 121.59 |                            |  |
| 315.0              | 124.09 | 123.64 | 123.64 | 123.64 | 124.21 | 124.44 | 124.78 | 124.78 | 124.67 |                            |  |
| 337.5              | 124.09 | 125.35 | 125.81 | 126.27 | 126.38 | 126.72 | 126.95 | 126.84 | 126.50 |                            |  |
| 360.0              | 124.09 | 125.81 | 125.70 | 125.35 | 125.35 | 124.78 | 124.56 | 123.99 | 124.44 |                            |  |
| C/γ(°)             | 9.0    | 10.0   | 11.0   | 12.0   | 13.0   | 14.0   | 15.0   | 16.0   | 17.0   |                            |  |
| 0.0                | 124.44 | 124.33 | 122.73 | 119.88 | 118.05 | 115.09 | 114.63 | 114.86 | 116.00 |                            |  |
| 22.5               | 121.02 | 121.13 | 121.59 | 120.91 | 114.97 | 113.72 | 112.35 | 111.78 | 112.92 |                            |  |
| 45.0               | 118.05 | 118.17 | 118.74 | 117.48 | 114.40 | 110.07 | 110.53 | 114.29 | 114.63 |                            |  |
| 67.5               | 118.74 | 117.26 | 116.80 | 116.91 | 117.37 | 115.20 | 113.49 | 111.67 | 110.98 |                            |  |
| 90.0               | 119.20 | 118.97 | 118.05 | 116.57 | 114.40 | 111.67 | 110.64 | 112.47 | 109.84 |                            |  |
| 112.5              | 119.54 | 119.20 | 118.05 | 116.23 | 113.38 | 112.81 | 113.61 | 111.44 | 112.69 |                            |  |
| 135.0              | 118.40 | 115.77 | 114.40 | 114.29 | 114.75 | 113.72 | 113.72 | 113.38 | 114.18 |                            |  |
| 157.5              | 120.68 | 118.74 | 118.05 | 117.03 | 116.46 | 114.63 | 114.75 | 116.80 | 116.12 |                            |  |
| 180.0              | 124.10 | 122.50 | 121.25 | 120.45 | 120.34 | 119.77 | 117.14 | 115.89 | 114.29 |                            |  |
| 202.5              | 123.19 | 123.30 | 122.16 | 121.48 | 118.40 | 118.74 | 118.40 | 119.88 | 119.42 |                            |  |
| 225.0              | 123.76 | 123.87 | 123.19 | 122.62 | 120.22 | 117.94 | 121.13 | 123.87 | 122.85 |                            |  |
| 247.5              | 121.48 | 121.36 | 120.56 | 119.08 | 116.80 | 115.77 | 116.91 | 120.22 | 118.28 |                            |  |
| 270.0              | 119.65 | 119.31 | 119.65 | 119.65 | 119.88 | 120.22 | 120.79 | 122.27 | 121.48 |                            |  |
| 292.5              | 121.93 | 122.85 | 122.85 | 123.30 | 123.76 | 123.64 | 123.53 | 123.53 | 123.42 |                            |  |
| 315.0              | 124.78 | 125.24 | 125.70 | 126.15 | 126.15 | 126.04 | 125.35 | 124.56 | 123.64 |                            |  |
| 337.5              | 126.04 | 125.70 | 125.35 | 125.47 | 125.81 | 123.64 | 123.42 | 122.96 | 121.70 |                            |  |
| 360.0              | 124.44 | 124.33 | 122.73 | 119.88 | 118.05 | 115.09 | 114.63 | 114.86 | 116.00 |                            |  |
| C/γ(°)             | 18.0   | 19.0   | 20.0   | 21.0   | 22.0   | 23.0   | 24.0   | 25.0   | 26.0   |                            |  |
| 0.0                | 117.14 | 117.83 | 118.51 | 117.71 | 116.23 | 115.89 | 116.34 | 117.26 | 117.48 |                            |  |
| 22.5               | 114.18 | 113.83 | 113.49 | 112.24 | 112.47 | 113.83 | 112.01 | 110.98 | 111.32 |                            |  |
| 45.0               | 114.29 | 112.69 | 112.24 | 113.38 | 114.29 | 111.78 | 109.16 | 111.10 | 114.18 |                            |  |
| 67.5               | 111.67 | 112.24 | 111.10 | 113.04 | 110.98 | 110.41 | 110.75 | 111.78 | 110.75 |                            |  |
| 90.0               | 111.55 | 112.01 | 109.61 | 112.47 | 110.41 | 110.98 | 111.21 | 109.50 | 107.33 |                            |  |
| 112.5              | 114.06 | 110.98 | 112.58 | 110.87 | 111.55 | 113.15 | 112.12 | 112.47 | 111.44 |                            |  |
| 135.0              | 115.20 | 113.72 | 111.55 | 109.50 | 111.21 | 110.18 | 111.55 | 111.10 | 109.50 |                            |  |
| 157.5              | 115.20 | 115.09 | 115.77 | 116.80 | 117.37 | 118.51 | 119.54 | 119.31 | 118.17 |                            |  |
| 180.0              | 113.72 | 112.24 | 112.35 | 113.72 | 113.49 | 114.52 | 116.57 | 119.65 | 120.34 |                            |  |
| 202.5              | 118.51 | 117.94 | 117.14 | 118.62 | 117.37 | 117.37 | 119.88 | 121.13 | 122.85 |                            |  |
| 225.0              | 121.59 | 120.68 | 122.39 | 123.19 | 121.93 | 117.14 | 116.12 | 116.69 | 119.99 |                            |  |
| 247.5              | 117.14 | 117.71 | 118.51 | 120.79 | 118.05 | 116.23 | 113.61 | 113.15 | 114.97 |                            |  |
| 270.0              | 119.20 | 118.85 | 119.20 | 118.62 | 118.74 | 120.68 | 121.48 | 120.22 | 118.85 |                            |  |
| 292.5              | 123.19 | 123.53 | 122.85 | 121.13 | 120.56 | 119.31 | 118.85 | 118.28 | 119.54 |                            |  |
| 315.0              | 122.73 | 121.13 | 120.56 | 121.02 | 119.42 | 118.74 | 119.20 | 119.65 | 122.39 |                            |  |
| 337.5              | 120.22 | 118.51 | 117.71 | 116.69 | 116.00 | 116.00 | 116.69 | 116.46 | 117.60 |                            |  |
| 360.0              | 117.14 | 117.83 | 118.51 | 117.71 | 116.23 | 115.89 | 116.34 | 117.26 | 117.48 |                            |  |

# TroyCSL Lighting B2363CR

| Intensity data(cd) |        |        |        |        |        |        |        |        | Appendix Page: 16 Total:21 |  |  |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------|--|--|
| C/γ(°)             | 27.0   | 28.0   | 29.0   | 30.0   | 31.0   | 32.0   | 33.0   | 34.0   | 35.0                       |  |  |
| 0.0                | 117.26 | 116.80 | 116.57 | 115.66 | 115.43 | 114.86 | 114.52 | 114.63 | 115.32                     |  |  |
| 22.5               | 113.15 | 114.52 | 114.29 | 114.06 | 113.72 | 112.92 | 112.47 | 111.67 | 111.10                     |  |  |
| 45.0               | 114.18 | 113.83 | 112.92 | 111.44 | 110.64 | 109.61 | 109.27 | 108.25 | 106.76                     |  |  |
| 67.5               | 109.73 | 108.59 | 107.33 | 108.36 | 109.96 | 109.04 | 109.04 | 108.47 | 107.90                     |  |  |
| 90.0               | 106.19 | 106.08 | 105.17 | 104.25 | 102.88 | 102.66 | 102.43 | 101.74 | 99.80                      |  |  |
| 112.5              | 110.87 | 108.47 | 107.67 | 105.51 | 104.71 | 103.68 | 102.88 | 103.91 | 102.88                     |  |  |
| 135.0              | 107.33 | 107.67 | 106.65 | 107.22 | 106.99 | 106.76 | 106.65 | 104.71 | 84.41                      |  |  |
| 157.5              | 117.37 | 117.60 | 117.26 | 118.05 | 117.83 | 116.91 | 116.57 | 115.66 | 114.97                     |  |  |
| 180.0              | 121.25 | 121.48 | 119.99 | 121.59 | 121.70 | 122.39 | 124.67 | 125.47 | 125.47                     |  |  |
| 202.5              | 122.39 | 123.53 | 124.78 | 127.75 | 128.43 | 129.46 | 129.35 | 128.21 | 127.29                     |  |  |
| 225.0              | 122.16 | 122.39 | 120.91 | 121.02 | 119.88 | 121.48 | 121.82 | 122.16 | 122.16                     |  |  |
| 247.5              | 119.31 | 121.13 | 122.50 | 123.42 | 123.19 | 122.39 | 121.36 | 120.45 | 120.22                     |  |  |
| 270.0              | 119.99 | 120.11 | 120.34 | 119.77 | 119.08 | 119.54 | 119.54 | 119.88 | 119.88                     |  |  |
| 292.5              | 118.62 | 117.94 | 116.23 | 116.00 | 116.69 | 118.40 | 118.85 | 119.20 | 119.20                     |  |  |
| 315.0              | 124.33 | 122.96 | 120.22 | 118.51 | 118.85 | 120.91 | 121.02 | 120.11 | 119.31                     |  |  |
| 337.5              | 118.85 | 118.62 | 116.57 | 115.66 | 115.43 | 115.66 | 116.46 | 117.26 | 117.60                     |  |  |
| 360.0              | 117.26 | 116.80 | 116.57 | 115.66 | 115.43 | 114.86 | 114.52 | 114.63 | 115.32                     |  |  |
|                    |        |        |        |        |        |        |        |        |                            |  |  |
| C/γ(°)             | 36.0   | 37.0   | 38.0   | 39.0   | 40.0   | 41.0   | 42.0   | 43.0   | 44.0                       |  |  |
| 0.0                | 115.89 | 115.55 | 112.12 | 110.41 | 106.76 | 79.62  | 50.64  | 37.41  | 29.54                      |  |  |
| 22.5               | 110.87 | 110.18 | 109.84 | 109.27 | 105.05 | 68.67  | 54.75  | 48.82  | 35.25                      |  |  |
| 45.0               | 105.96 | 87.60  | 69.58  | 59.54  | 46.31  | 29.66  | 7.64   | 7.07   | 6.96                       |  |  |
| 67.5               | 107.90 | 102.43 | 87.83  | 71.75  | 61.48  | 41.52  | 10.49  | 7.87   | 7.19                       |  |  |
| 90.0               | 80.98  | 70.38  | 54.18  | 28.17  | 7.64   | 7.30   | 6.96   | 6.62   | 6.27                       |  |  |
| 112.5              | 95.93  | 83.61  | 72.09  | 37.53  | 8.44   | 7.41   | 6.84   | 6.50   | 6.16                       |  |  |
| 135.0              | 60.34  | 29.77  | 9.01   | 8.10   | 6.73   | 6.50   | 6.05   | 5.70   | 5.47                       |  |  |
| 157.5              | 100.37 | 84.06  | 72.20  | 33.42  | 15.06  | 14.37  | 12.55  | 10.15  | 7.87                       |  |  |
| 180.0              | 125.47 | 125.01 | 124.90 | 116.00 | 99.23  | 87.37  | 57.94  | 31.14  | 22.24                      |  |  |
| 202.5              | 127.29 | 127.29 | 127.07 | 116.80 | 94.79  | 89.88  | 78.70  | 23.04  | 22.93                      |  |  |
| 225.0              | 121.82 | 120.91 | 119.99 | 119.08 | 118.28 | 117.26 | 101.63 | 86.57  | 74.03                      |  |  |
| 247.5              | 120.11 | 119.20 | 118.62 | 118.17 | 117.94 | 115.32 | 86.12  | 65.24  | 54.41                      |  |  |
| 270.0              | 119.99 | 119.99 | 119.65 | 118.74 | 117.83 | 117.03 | 115.77 | 115.43 | 90.34                      |  |  |
| 292.5              | 118.51 | 118.05 | 117.83 | 117.26 | 116.91 | 116.46 | 115.43 | 114.63 | 100.15                     |  |  |
| 315.0              | 118.97 | 118.05 | 117.60 | 115.55 | 114.29 | 113.83 | 112.92 | 112.01 | 111.21                     |  |  |
| 337.5              | 117.48 | 117.14 | 116.12 | 114.75 | 113.72 | 113.26 | 112.58 | 111.78 | 110.75                     |  |  |
| 360.0              | 115.89 | 115.55 | 112.12 | 110.41 | 106.76 | 79.62  | 50.64  | 37.41  | 29.54                      |  |  |
|                    |        |        |        |        |        |        |        |        |                            |  |  |
| C/γ(°)             | 45.0   | 46.0   | 47.0   | 48.0   | 49.0   | 50.0   | 51.0   | 52.0   | 53.0                       |  |  |
| 0.0                | 9.58   | 7.41   | 6.84   | 6.50   | 6.39   | 6.05   | 5.70   | 5.59   | 5.36                       |  |  |
| 22.5               | 8.67   | 7.41   | 6.96   | 6.73   | 6.39   | 6.05   | 5.82   | 5.59   | 5.36                       |  |  |
| 45.0               | 6.50   | 6.27   | 5.93   | 5.70   | 5.59   | 5.36   | 5.13   | 4.90   | 4.56                       |  |  |
| 67.5               | 6.84   | 6.50   | 6.16   | 5.93   | 5.70   | 5.36   | 5.25   | 5.02   | 4.79                       |  |  |
| 90.0               | 5.93   | 5.70   | 5.47   | 5.13   | 4.90   | 4.68   | 4.56   | 4.22   | 3.88                       |  |  |
| 112.5              | 5.82   | 5.70   | 5.36   | 5.13   | 4.90   | 4.68   | 4.45   | 4.22   | 3.99                       |  |  |
| 135.0              | 5.25   | 5.13   | 4.90   | 4.56   | 4.33   | 4.11   | 3.76   | 3.54   | 3.19                       |  |  |
| 157.5              | 6.05   | 5.59   | 5.25   | 5.02   | 4.79   | 4.56   | 4.22   | 3.99   | 3.76                       |  |  |
| 180.0              | 21.67  | 20.07  | 16.54  | 13.46  | 8.33   | 5.70   | 5.36   | 5.02   | 5.02                       |  |  |
| 202.5              | 22.58  | 21.67  | 19.16  | 13.92  | 10.72  | 6.73   | 5.47   | 5.25   | 4.90                       |  |  |
| 225.0              | 59.31  | 46.99  | 14.14  | 12.66  | 11.06  | 9.81   | 8.78   | 6.96   | 5.93                       |  |  |
| 247.5              | 39.35  | 26.12  | 7.76   | 7.07   | 6.73   | 6.39   | 6.05   | 5.82   | 5.59                       |  |  |
| 270.0              | 64.10  | 52.35  | 38.78  | 25.09  | 9.12   | 7.07   | 6.84   | 6.39   | 6.16                       |  |  |
| 292.5              | 61.82  | 49.05  | 31.25  | 19.96  | 7.64   | 6.84   | 6.50   | 6.16   | 5.93                       |  |  |
| 315.0              | 110.87 | 111.10 | 89.20  | 56.35  | 34.33  | 16.42  | 9.12   | 7.19   | 6.50                       |  |  |
| 337.5              | 102.88 | 71.17  | 43.00  | 21.67  | 9.35   | 7.19   | 6.84   | 6.39   | 6.27                       |  |  |
| 360.0              | 9.58   | 7.41   | 6.84   | 6.50   | 6.39   | 6.05   | 5.70   | 5.59   | 5.36                       |  |  |



# TroyCSL Lighting B2363CR

| Intensity data(cd) |      |      |      |      |      |      |      |      |      | Appendix Page: 17 Total:21 |  |
|--------------------|------|------|------|------|------|------|------|------|------|----------------------------|--|
| C/γ(°)             | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |                            |  |
| 0.0                | 5.13 | 4.90 | 4.56 | 4.45 | 4.11 | 3.88 | 3.65 | 3.31 | 3.08 |                            |  |
| 22.5               | 5.13 | 4.79 | 4.79 | 4.45 | 4.11 | 3.88 | 3.65 | 3.42 | 3.08 |                            |  |
| 45.0               | 4.33 | 4.11 | 3.88 | 3.54 | 3.19 | 2.97 | 2.74 | 2.40 | 2.40 |                            |  |
| 67.5               | 4.45 | 4.22 | 4.11 | 3.65 | 3.31 | 3.19 | 2.85 | 2.62 | 2.40 |                            |  |
| 90.0               | 3.65 | 3.42 | 3.19 | 2.97 | 2.62 | 2.51 | 2.28 | 2.17 | 1.94 |                            |  |
| 112.5              | 3.65 | 3.42 | 3.08 | 2.97 | 2.74 | 2.51 | 2.28 | 2.17 | 1.94 |                            |  |
| 135.0              | 3.08 | 2.85 | 2.74 | 2.51 | 2.17 | 2.05 | 1.94 | 1.71 | 1.60 |                            |  |
| 157.5              | 3.65 | 3.31 | 3.08 | 2.85 | 2.62 | 2.51 | 2.28 | 2.05 | 1.82 |                            |  |
| 180.0              | 4.68 | 4.33 | 4.11 | 3.88 | 3.65 | 3.42 | 3.08 | 2.97 | 2.74 |                            |  |
| 202.5              | 4.79 | 4.33 | 4.22 | 3.99 | 3.65 | 3.42 | 3.19 | 2.85 | 2.74 |                            |  |
| 225.0              | 5.59 | 5.25 | 5.25 | 4.79 | 4.68 | 4.33 | 3.99 | 3.76 | 3.54 |                            |  |
| 247.5              | 5.36 | 5.13 | 4.90 | 4.68 | 4.33 | 4.22 | 3.88 | 3.65 | 3.42 |                            |  |
| 270.0              | 5.93 | 5.59 | 5.47 | 5.13 | 4.90 | 4.79 | 4.56 | 4.33 | 4.11 |                            |  |
| 292.5              | 5.82 | 5.59 | 5.25 | 5.02 | 4.90 | 4.68 | 4.56 | 4.22 | 3.99 |                            |  |
| 315.0              | 6.39 | 6.05 | 5.82 | 5.59 | 5.36 | 5.25 | 5.02 | 4.79 | 4.56 |                            |  |
| 337.5              | 6.05 | 5.70 | 5.47 | 5.25 | 5.02 | 4.90 | 4.68 | 4.45 | 4.22 |                            |  |
| 360.0              | 5.13 | 4.90 | 4.56 | 4.45 | 4.11 | 3.88 | 3.65 | 3.31 | 3.08 |                            |  |
|                    |      |      |      |      |      |      |      |      |      |                            |  |
| C/γ(°)             | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |                            |  |
| 0.0                | 2.74 | 2.62 | 2.40 | 2.17 | 2.05 | 1.82 | 1.71 | 1.71 | 1.60 |                            |  |
| 22.5               | 2.74 | 2.62 | 2.40 | 2.17 | 2.05 | 1.82 | 1.82 | 1.60 | 1.48 |                            |  |
| 45.0               | 2.17 | 1.94 | 1.82 | 1.60 | 1.60 | 1.48 | 1.37 | 1.25 | 1.25 |                            |  |
| 67.5               | 2.17 | 2.05 | 1.82 | 1.71 | 1.60 | 1.48 | 1.48 | 1.25 | 1.25 |                            |  |
| 90.0               | 1.71 | 1.60 | 1.48 | 1.37 | 1.37 | 1.25 | 1.25 | 1.14 | 1.14 |                            |  |
| 112.5              | 1.82 | 1.71 | 1.60 | 1.48 | 1.37 | 1.25 | 1.25 | 1.14 | 1.14 |                            |  |
| 135.0              | 1.48 | 1.37 | 1.25 | 1.25 | 1.25 | 1.14 | 1.03 | 1.03 | 1.03 |                            |  |
| 157.5              | 1.71 | 1.60 | 1.48 | 1.37 | 1.37 | 1.25 | 1.14 | 1.14 | 1.03 |                            |  |
| 180.0              | 2.51 | 2.28 | 2.05 | 1.82 | 1.71 | 1.60 | 1.60 | 1.37 | 1.25 |                            |  |
| 202.5              | 2.51 | 2.28 | 2.17 | 1.94 | 1.71 | 1.60 | 1.48 | 1.48 | 1.37 |                            |  |
| 225.0              | 3.31 | 3.08 | 2.74 | 2.51 | 2.28 | 2.05 | 2.05 | 1.82 | 1.60 |                            |  |
| 247.5              | 3.19 | 2.85 | 2.62 | 2.51 | 2.28 | 2.05 | 1.94 | 1.71 | 1.60 |                            |  |
| 270.0              | 3.88 | 3.65 | 3.31 | 3.08 | 2.85 | 2.62 | 2.40 | 2.17 | 1.94 |                            |  |
| 292.5              | 3.76 | 3.54 | 3.31 | 2.85 | 2.74 | 2.51 | 2.28 | 2.17 | 1.94 |                            |  |
| 315.0              | 4.33 | 3.99 | 3.88 | 3.42 | 3.19 | 2.97 | 2.74 | 2.62 | 2.40 |                            |  |
| 337.5              | 3.88 | 3.65 | 3.31 | 2.97 | 2.85 | 2.62 | 2.51 | 2.28 | 2.05 |                            |  |
| 360.0              | 2.74 | 2.62 | 2.40 | 2.17 | 2.05 | 1.82 | 1.71 | 1.71 | 1.60 |                            |  |
|                    |      |      |      |      |      |      |      |      |      |                            |  |
| C/γ(°)             | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |                            |  |
| 0.0                | 1.37 | 1.37 | 1.25 | 1.25 | 1.14 | 1.03 | 1.03 | 1.03 | 1.03 |                            |  |
| 22.5               | 1.37 | 1.37 | 1.37 | 1.25 | 1.14 | 1.14 | 1.14 | 1.03 | 1.03 |                            |  |
| 45.0               | 1.14 | 1.14 | 1.03 | 1.03 | 0.91 | 1.03 | 1.03 | 0.91 | 0.91 |                            |  |
| 67.5               | 1.14 | 1.14 | 1.14 | 1.03 | 1.03 | 1.03 | 1.03 | 0.91 | 0.91 |                            |  |
| 90.0               | 1.03 | 1.03 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |                            |  |
| 112.5              | 1.03 | 1.14 | 1.03 | 1.03 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |                            |  |
| 135.0              | 1.03 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |                            |  |
| 157.5              | 1.03 | 1.03 | 0.91 | 0.91 | 1.03 | 0.91 | 0.91 | 0.91 | 0.91 |                            |  |
| 180.0              | 1.25 | 1.14 | 1.14 | 1.03 | 1.03 | 0.91 | 1.03 | 0.91 | 0.91 |                            |  |
| 202.5              | 1.25 | 1.14 | 1.14 | 1.14 | 1.03 | 1.03 | 1.03 | 0.91 | 0.91 |                            |  |
| 225.0              | 1.60 | 1.48 | 1.37 | 1.25 | 1.25 | 1.14 | 1.03 | 1.03 | 1.03 |                            |  |
| 247.5              | 1.60 | 1.37 | 1.25 | 1.25 | 1.25 | 1.14 | 1.14 | 1.03 | 1.03 |                            |  |
| 270.0              | 1.94 | 1.71 | 1.60 | 1.48 | 1.48 | 1.25 | 1.25 | 1.14 | 1.14 |                            |  |
| 292.5              | 1.82 | 1.71 | 1.71 | 1.48 | 1.37 | 1.25 | 1.25 | 1.14 | 1.14 |                            |  |
| 315.0              | 2.28 | 2.05 | 1.94 | 1.71 | 1.71 | 1.60 | 1.37 | 1.37 | 1.25 |                            |  |
| 337.5              | 1.94 | 1.71 | 1.71 | 1.60 | 1.37 | 1.37 | 1.25 | 1.14 | 1.14 |                            |  |
| 360.0              | 1.37 | 1.37 | 1.25 | 1.25 | 1.14 | 1.03 | 1.03 | 1.03 | 1.03 |                            |  |

# TroyCSL Lighting B2363CR

| Intensity data(cd) |      |       |       |       |       |       |       |       |       | Appendix Page: 18 Total:21 |  |
|--------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|--|
| C/γ(°)             | 81.0 | 82.0  | 83.0  | 84.0  | 85.0  | 86.0  | 87.0  | 88.0  | 89.0  |                            |  |
| 0.0                | 1.03 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 22.5               | 1.03 | 1.03  | 1.03  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 45.0               | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 67.5               | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 90.0               | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 112.5              | 0.91 | 0.91  | 0.91  | 0.91  | 1.03  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 135.0              | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 157.5              | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 180.0              | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 202.5              | 0.91 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 225.0              | 1.03 | 1.03  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 247.5              | 1.03 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 270.0              | 1.14 | 1.03  | 1.03  | 1.03  | 1.03  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 292.5              | 1.03 | 1.03  | 1.03  | 0.91  | 1.03  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 315.0              | 1.14 | 1.14  | 1.03  | 1.03  | 1.03  | 1.03  | 1.03  | 0.91  | 0.91  |                            |  |
| 337.5              | 1.03 | 1.14  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| 360.0              | 1.03 | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  |                            |  |
| C/γ(°)             | 90.0 | 91.0  | 92.0  | 93.0  | 94.0  | 95.0  | 96.0  | 97.0  | 98.0  |                            |  |
| 0.0                | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| C/γ(°)             | 99.0 | 100.0 | 101.0 | 102.0 | 103.0 | 104.0 | 105.0 | 106.0 | 107.0 |                            |  |
| 0.0                | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |

## TroyCSL Lighting B2363CR

| Intensity data(cd) |       |       |       |       |       |       |       |       |       | Appendix Page: 19 Total:21 |  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|--|
| C/γ(°)             | 108.0 | 109.0 | 110.0 | 111.0 | 112.0 | 113.0 | 114.0 | 115.0 | 116.0 |                            |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| C/γ(°)             | 117.0 | 118.0 | 119.0 | 120.0 | 121.0 | 122.0 | 123.0 | 124.0 | 125.0 |                            |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| C/γ(°)             | 126.0 | 127.0 | 128.0 | 129.0 | 130.0 | 131.0 | 132.0 | 133.0 | 134.0 |                            |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |

## TroyCSL Lighting B2363CR

| Intensity data(cd) |       |       |       |       |       |       |       |       |       | Appendix Page: 20 Total:21 |  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|--|
| C/γ(°)             | 135.0 | 136.0 | 137.0 | 138.0 | 139.0 | 140.0 | 141.0 | 142.0 | 143.0 |                            |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| C/γ(°)             | 144.0 | 145.0 | 146.0 | 147.0 | 148.0 | 149.0 | 150.0 | 151.0 | 152.0 |                            |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| C/γ(°)             | 153.0 | 154.0 | 155.0 | 156.0 | 157.0 | 158.0 | 159.0 | 160.0 | 161.0 |                            |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |                            |  |

# TroyCSL Lighting B2363CR

| Intensity data(cd) |       |       |       |       |       |       |       |       | Appendix Page: 21 Total:21 |  |  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|--|--|
| C/γ(°)             | 162.0 | 163.0 | 164.0 | 165.0 | 166.0 | 167.0 | 168.0 | 169.0 | 170.0                      |  |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| C/γ(°)             | 171.0 | 172.0 | 173.0 | 174.0 | 175.0 | 176.0 | 177.0 | 178.0 | 179.0                      |  |  |
| 0.0                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 22.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 45.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 67.5               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 90.0               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 112.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 135.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 157.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 180.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 202.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 225.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 247.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 270.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 292.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 315.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 337.5              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| 360.0              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                       |  |  |
| C/γ(°)             | 180.0 |       |       |       |       |       |       |       |                            |  |  |
| 0.0                | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 22.5               | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 45.0               | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 67.5               | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 90.0               | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 112.5              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 135.0              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 157.5              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 180.0              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 202.5              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 225.0              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 247.5              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 270.0              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 292.5              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 315.0              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 337.5              | 0.00  |       |       |       |       |       |       |       |                            |  |  |
| 360.0              | 0.00  |       |       |       |       |       |       |       |                            |  |  |