



Bell-Southcn Testing Laboratory
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Address:First floor, Huaxia Building, No.116, Jiangmu Road, Jianghai District, Jiangmen City, Guangdong, China.

Client:

LumCAT: B7912-PBR/BRZ

Luminaire:

Report No:

Ballast type:

Test No: BST24121703-9

Voltage(V): 120.100

LampCAT:

Current(A): 0.090

Lamp flux(lm): 834.0

Power (W): 10.072

Number of Lamps: 1

PF: 0.928

Length(mm): 280

Width(mm): 280

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 36.95, Efficiency(%): 4.43% , Luminous Efficacy(lm/W): 3.67

Central intensity(cd): 1.33, Maximum intensity(cd): 16.24

Angle of maximum intensity: C=157.5 γ =17.0

Beam Angle(50%Imax): [C0/180]Total=94.0

[C90/270]Total=146.5

Field angle(10%Imax): [C0/180]Total=208.3

[C90/270]Total=208.1

Beam angle of C157.5 plane : 134.25

Aveage BeamAngle(IEC 61341):100.54

IES Classification : TypeIV

Longitudinal Classification : VeryShort

Cut Off Classification : Cutoff

Max Cd(At 90°Vert) : 0.2082249

Max Cd(80 to 90°Vert) : 0.4164498

Street Side UpWard Lumens: 0.25%of Lamp 5.60%of Luminaire

Street Side DownWard Lumens: 1.62%of Lamp 36.66%of Luminaire

House Side UpWard Lumens: 0.35%of Lamp 7.83%of Luminaire

House Side DownWard Lumens: 2.21%of Lamp 49.91%of Luminaire

SLI: --- (C Flash Area: 0.019)

Throw: 19.4 (short), Spread: 0.0 (narrow), Control: --- (tight)

Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2024-12-17
Humidity(%): 59.0%

Operator: Liao
Distance(m): 11.43

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0 | 1.327 | 0.000 | 0.000 | 0.000% | 0.000% |
| 1.0 | 1.458 | 0.001 | 0.001 | 0.000% | 0.004% |
| 2.0 | 1.926 | 0.005 | 0.006 | 0.001% | 0.017% |
| 3.0 | 2.642 | 0.011 | 0.017 | 0.001% | 0.046% |
| 4.0 | 3.683 | 0.021 | 0.038 | 0.003% | 0.104% |
| 5.0 | 5.036 | 0.038 | 0.076 | 0.004% | 0.205% |
| 6.0 | 6.143 | 0.059 | 0.135 | 0.007% | 0.364% |
| 7.0 | 7.561 | 0.085 | 0.220 | 0.010% | 0.594% |
| 8.0 | 8.602 | 0.116 | 0.335 | 0.014% | 0.907% |
| 9.0 | 9.513 | 0.147 | 0.482 | 0.018% | 1.305% |
| 10.0 | 10.489 | 0.181 | 0.663 | 0.022% | 1.795% |
| 11.0 | 11.062 | 0.215 | 0.878 | 0.026% | 2.378% |
| 12.0 | 11.556 | 0.247 | 1.126 | 0.030% | 3.047% |
| 13.0 | 11.908 | 0.278 | 1.404 | 0.033% | 3.801% |
| 14.0 | 12.168 | 0.308 | 1.712 | 0.037% | 4.635% |
| 15.0 | 12.402 | 0.337 | 2.050 | 0.040% | 5.548% |
| 16.0 | 12.728 | 0.368 | 2.418 | 0.044% | 6.544% |
| 17.0 | 12.975 | 0.400 | 2.818 | 0.048% | 7.628% |
| 18.0 | 13.079 | 0.430 | 3.248 | 0.052% | 8.790% |
| 19.0 | 13.157 | 0.456 | 3.704 | 0.055% | 10.026% |
| 20.0 | 13.209 | 0.483 | 4.187 | 0.058% | 11.332% |
| 21.0 | 13.144 | 0.506 | 4.693 | 0.061% | 12.702% |
| 22.0 | 13.352 | 0.532 | 5.225 | 0.064% | 14.143% |
| 23.0 | 13.417 | 0.562 | 5.787 | 0.067% | 15.663% |
| 24.0 | 13.509 | 0.589 | 6.376 | 0.071% | 17.256% |
| 25.0 | 13.522 | 0.615 | 6.990 | 0.074% | 18.920% |
| 26.0 | 13.548 | 0.639 | 7.629 | 0.077% | 20.649% |
| 27.0 | 13.561 | 0.663 | 8.292 | 0.080% | 22.444% |
| 28.0 | 13.326 | 0.681 | 8.973 | 0.082% | 24.287% |
| 29.0 | 13.066 | 0.691 | 9.664 | 0.083% | 26.156% |
| 30.0 | 12.741 | 0.697 | 10.360 | 0.084% | 28.042% |
| 31.0 | 12.454 | 0.701 | 11.062 | 0.084% | 29.939% |
| 32.0 | 12.129 | 0.704 | 11.766 | 0.084% | 31.846% |
| 33.0 | 11.765 | 0.704 | 12.470 | 0.084% | 33.751% |
| 34.0 | 11.309 | 0.698 | 13.168 | 0.084% | 35.641% |
| 35.0 | 10.854 | 0.688 | 13.856 | 0.083% | 37.504% |
| 36.0 | 10.385 | 0.676 | 14.533 | 0.081% | 39.334% |
| 37.0 | 10.060 | 0.667 | 15.199 | 0.080% | 41.139% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0 | 9.656 | 0.658 | 15.858 | 0.079% | 42.920% |
| 39.0 | 9.357 | 0.649 | 16.507 | 0.078% | 44.677% |
| 40.0 | 9.032 | 0.641 | 17.148 | 0.077% | 46.412% |
| 41.0 | 8.667 | 0.630 | 17.778 | 0.076% | 48.118% |
| 42.0 | 8.433 | 0.621 | 18.399 | 0.074% | 49.800% |
| 43.0 | 8.199 | 0.616 | 19.016 | 0.074% | 51.467% |
| 44.0 | 7.913 | 0.608 | 19.624 | 0.073% | 53.113% |
| 45.0 | 7.704 | 0.600 | 20.224 | 0.072% | 54.738% |
| 46.0 | 7.483 | 0.594 | 20.818 | 0.071% | 56.345% |
| 47.0 | 7.314 | 0.589 | 21.406 | 0.071% | 57.938% |
| 48.0 | 7.028 | 0.580 | 21.986 | 0.070% | 59.507% |
| 49.0 | 6.793 | 0.568 | 22.554 | 0.068% | 61.044% |
| 50.0 | 6.494 | 0.554 | 23.108 | 0.066% | 62.543% |
| 51.0 | 6.286 | 0.541 | 23.648 | 0.065% | 64.006% |
| 52.0 | 6.052 | 0.529 | 24.178 | 0.063% | 65.439% |
| 53.0 | 5.830 | 0.517 | 24.695 | 0.062% | 66.838% |
| 54.0 | 5.583 | 0.503 | 25.198 | 0.060% | 68.200% |
| 55.0 | 5.323 | 0.487 | 25.684 | 0.058% | 69.517% |
| 56.0 | 5.075 | 0.470 | 26.154 | 0.056% | 70.789% |
| 57.0 | 4.841 | 0.453 | 26.608 | 0.054% | 72.016% |
| 58.0 | 4.633 | 0.438 | 27.046 | 0.053% | 73.202% |
| 59.0 | 4.425 | 0.423 | 27.469 | 0.051% | 74.348% |
| 60.0 | 4.204 | 0.408 | 27.877 | 0.049% | 75.452% |
| 61.0 | 3.995 | 0.391 | 28.268 | 0.047% | 76.511% |
| 62.0 | 3.748 | 0.373 | 28.641 | 0.045% | 77.520% |
| 63.0 | 3.540 | 0.354 | 28.996 | 0.042% | 78.480% |
| 64.0 | 3.280 | 0.335 | 29.330 | 0.040% | 79.386% |
| 65.0 | 3.136 | 0.318 | 29.648 | 0.038% | 80.245% |
| 66.0 | 2.941 | 0.303 | 29.951 | 0.036% | 81.066% |
| 67.0 | 2.720 | 0.285 | 30.236 | 0.034% | 81.836% |
| 68.0 | 2.525 | 0.266 | 30.501 | 0.032% | 82.555% |
| 69.0 | 2.343 | 0.248 | 30.750 | 0.030% | 83.227% |
| 70.0 | 2.056 | 0.226 | 30.976 | 0.027% | 83.839% |
| 71.0 | 1.900 | 0.204 | 31.180 | 0.025% | 84.392% |
| 72.0 | 1.653 | 0.185 | 31.365 | 0.022% | 84.892% |
| 73.0 | 1.432 | 0.161 | 31.526 | 0.019% | 85.329% |
| 74.0 | 1.119 | 0.134 | 31.660 | 0.016% | 85.692% |
| 75.0 | 0.846 | 0.104 | 31.764 | 0.012% | 85.973% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0 | 0.638 | 0.079 | 31.843 | 0.009% | 86.186% |
| 77.0 | 0.442 | 0.058 | 31.900 | 0.007% | 86.342% |
| 78.0 | 0.286 | 0.039 | 31.939 | 0.005% | 86.447% |
| 79.0 | 0.182 | 0.025 | 31.965 | 0.003% | 86.515% |
| 80.0 | 0.065 | 0.013 | 31.978 | 0.002% | 86.552% |
| 81.0 | 0.026 | 0.005 | 31.983 | 0.001% | 86.565% |
| 82.0 | 0.000 | 0.001 | 31.984 | 0.000% | 86.569% |
| 83.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 84.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 85.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 86.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 87.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 88.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 89.0 | 0.000 | 0.000 | 31.984 | 0.000% | 86.569% |
| 90.0 | 0.013 | 0.001 | 31.985 | 0.000% | 86.571% |
| 91.0 | 0.078 | 0.005 | 31.990 | 0.001% | 86.584% |
| 92.0 | 0.156 | 0.013 | 32.003 | 0.002% | 86.619% |
| 93.0 | 0.416 | 0.031 | 32.034 | 0.004% | 86.704% |
| 94.0 | 0.833 | 0.068 | 32.103 | 0.008% | 86.889% |
| 95.0 | 1.458 | 0.125 | 32.228 | 0.015% | 87.228% |
| 96.0 | 2.277 | 0.204 | 32.432 | 0.024% | 87.779% |
| 97.0 | 3.110 | 0.294 | 32.725 | 0.035% | 88.574% |
| 98.0 | 4.125 | 0.393 | 33.118 | 0.047% | 89.639% |
| 99.0 | 4.620 | 0.474 | 33.593 | 0.057% | 90.922% |
| 100.0 | 5.023 | 0.522 | 34.114 | 0.063% | 92.334% |
| 101.0 | 4.659 | 0.522 | 34.636 | 0.063% | 93.746% |
| 102.0 | 4.659 | 0.501 | 35.137 | 0.060% | 95.102% |
| 103.0 | 4.373 | 0.483 | 35.620 | 0.058% | 96.410% |
| 104.0 | 3.527 | 0.421 | 36.042 | 0.050% | 97.550% |
| 105.0 | 2.954 | 0.344 | 36.386 | 0.041% | 98.481% |
| 106.0 | 2.303 | 0.278 | 36.663 | 0.033% | 99.233% |
| 107.0 | 1.301 | 0.190 | 36.853 | 0.023% | 99.746% |
| 108.0 | 0.221 | 0.080 | 36.933 | 0.010% | 99.962% |
| 109.0 | 0.026 | 0.013 | 36.945 | 0.002% | 99.996% |
| 110.0 | 0.000 | 0.001 | 36.947 | 0.000% | 100.000% |
| 111.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 112.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 113.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |

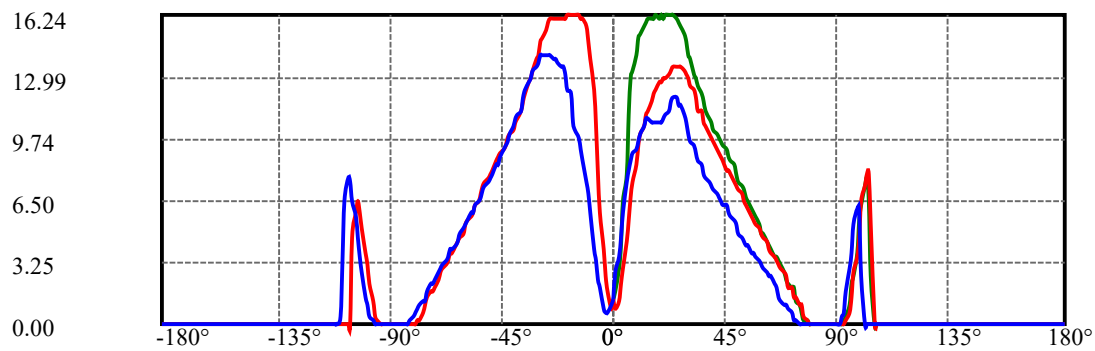
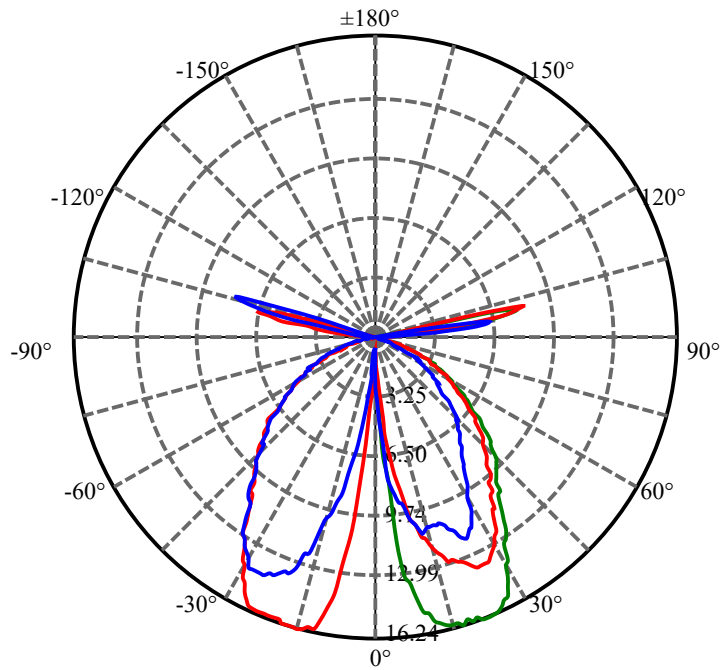
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 114.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 115.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 116.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 117.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 118.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 119.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 120.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 121.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 122.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 123.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 124.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 125.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 126.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 127.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 128.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 129.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 130.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 131.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 132.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 133.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 134.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 135.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 136.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 137.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 138.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 139.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 140.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 141.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 142.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 143.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 144.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 145.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 146.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 147.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 148.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 149.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 150.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 151.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 152.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 153.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 154.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 155.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 156.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 157.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 158.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 159.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 160.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 161.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 162.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 163.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 164.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 165.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 166.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 167.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 168.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 169.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 170.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 171.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 172.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 173.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 174.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 175.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 176.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 177.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 178.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 179.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |
| 180.0 | 0.000 | 0.000 | 36.947 | 0.000% | 100.000% |

| ZONAL LUMEN SUMMARY | | | |
|---------------------|--------|-------|---------|
| Zone | Lumens | %Lamp | %Fixt |
| 0-30 | 10.36 | 1.24% | 28.04% |
| 0-40 | 17.15 | 2.06% | 46.41% |
| 0-60 | 27.88 | 3.34% | 75.45% |
| 0-90 | 31.98 | 3.84% | 86.57% |
| 0-120 | 36.95 | 4.43% | 100.00% |
| 0-180 | 36.95 | 4.43% | 100.00% |
| 60-90 | 4.11 | 0.49% | 11.12% |
| 90-120 | 4.96 | 0.59% | 13.43% |
| 90-130 | 4.96 | 0.59% | 13.43% |
| 90-150 | 4.96 | 0.59% | 13.43% |
| 90-180 | 4.96 | 0.59% | 13.43% |
| 0-64.72 | 29.56 | 3.54% | 80.00% |

ZONAL LUMEN SUMMARY

| | |
|---------|------|
| 0-10 | 0.66 |
| 10-20 | 3.52 |
| 20-30 | 6.17 |
| 30-40 | 6.79 |
| 40-50 | 5.96 |
| 50-60 | 4.77 |
| 60-70 | 3.10 |
| 70-80 | 1.00 |
| 80-90 | 0.01 |
| 90-100 | 2.13 |
| 100-110 | 2.83 |
| 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 |



C157.5(Max): —————

C0/C180: —————

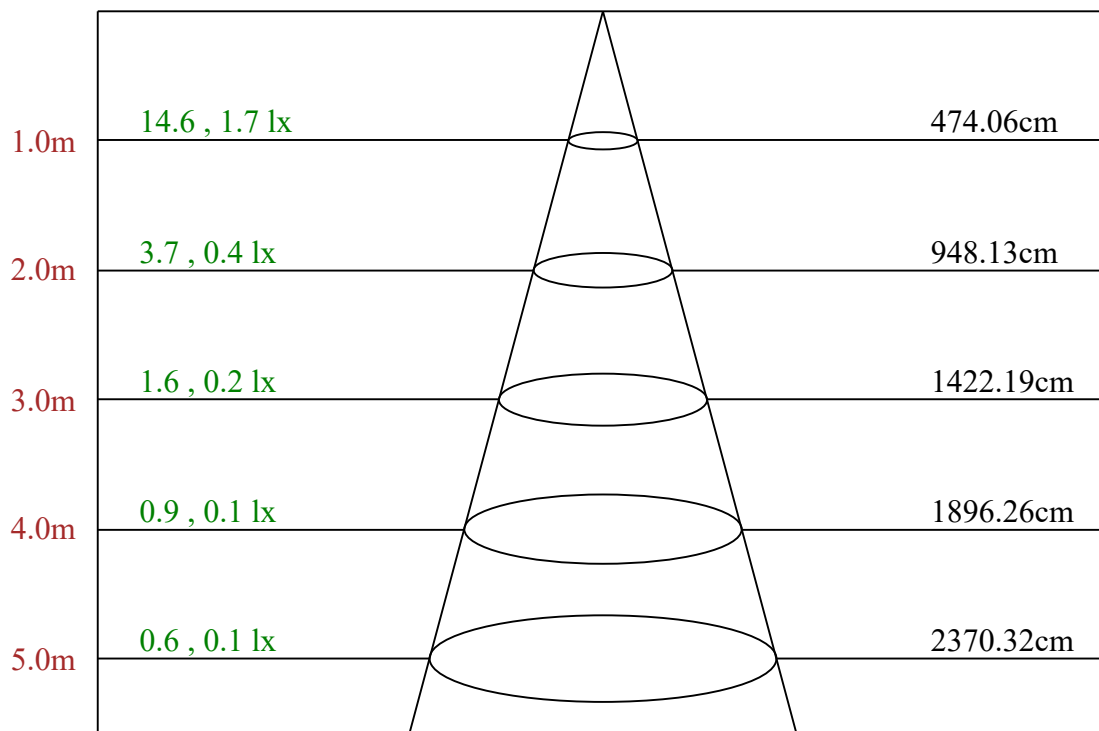
C90/C270: —————

Field angle(10%Imax):C0/180Left:90.6 Right:117.7

:C90/270Left:83.7 Right:124.4

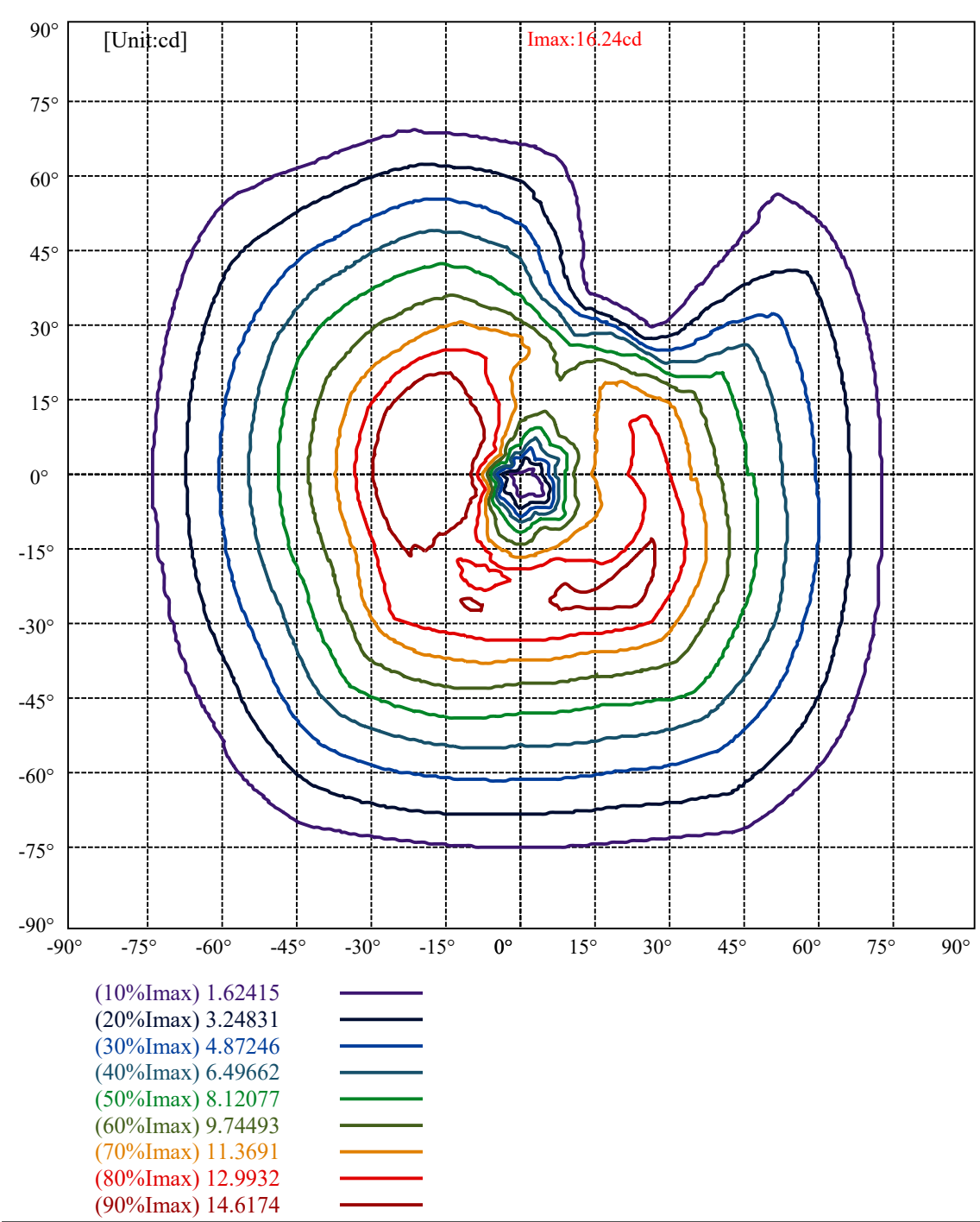
Beam Angle(50%Imax):C0/180Left:34.0 Right:60.0

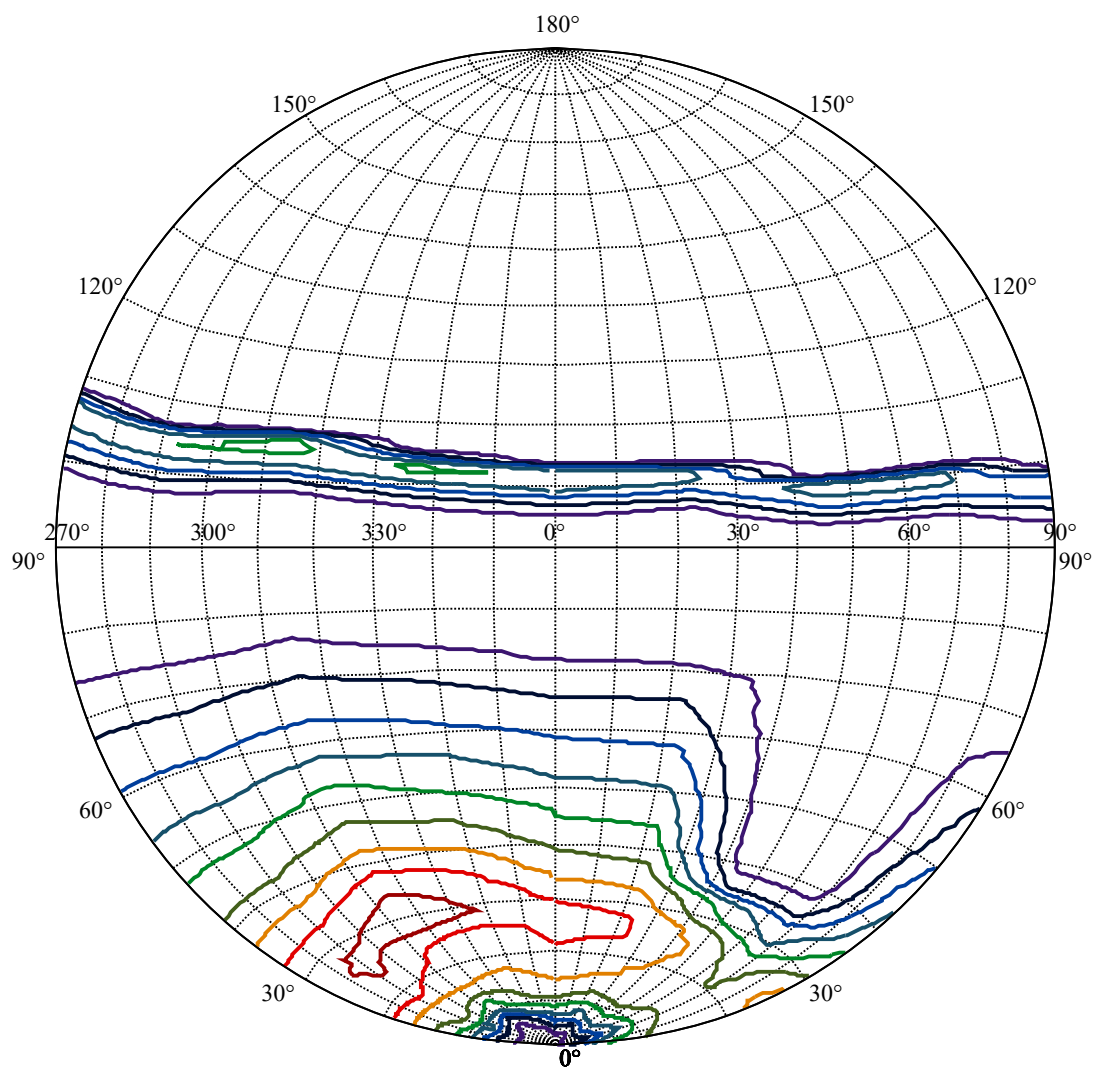
:C90/270Left:81.5 Right:65.0



Max , Ave

Beam angle of C157.5 plane 134.25





House

[Unit:cd]

Road

Imax:16.24

(10%Imax) 1.62415

(20%Imax) 3.24831

(30%Imax) 4.87246

(40%Imax) 6.49662

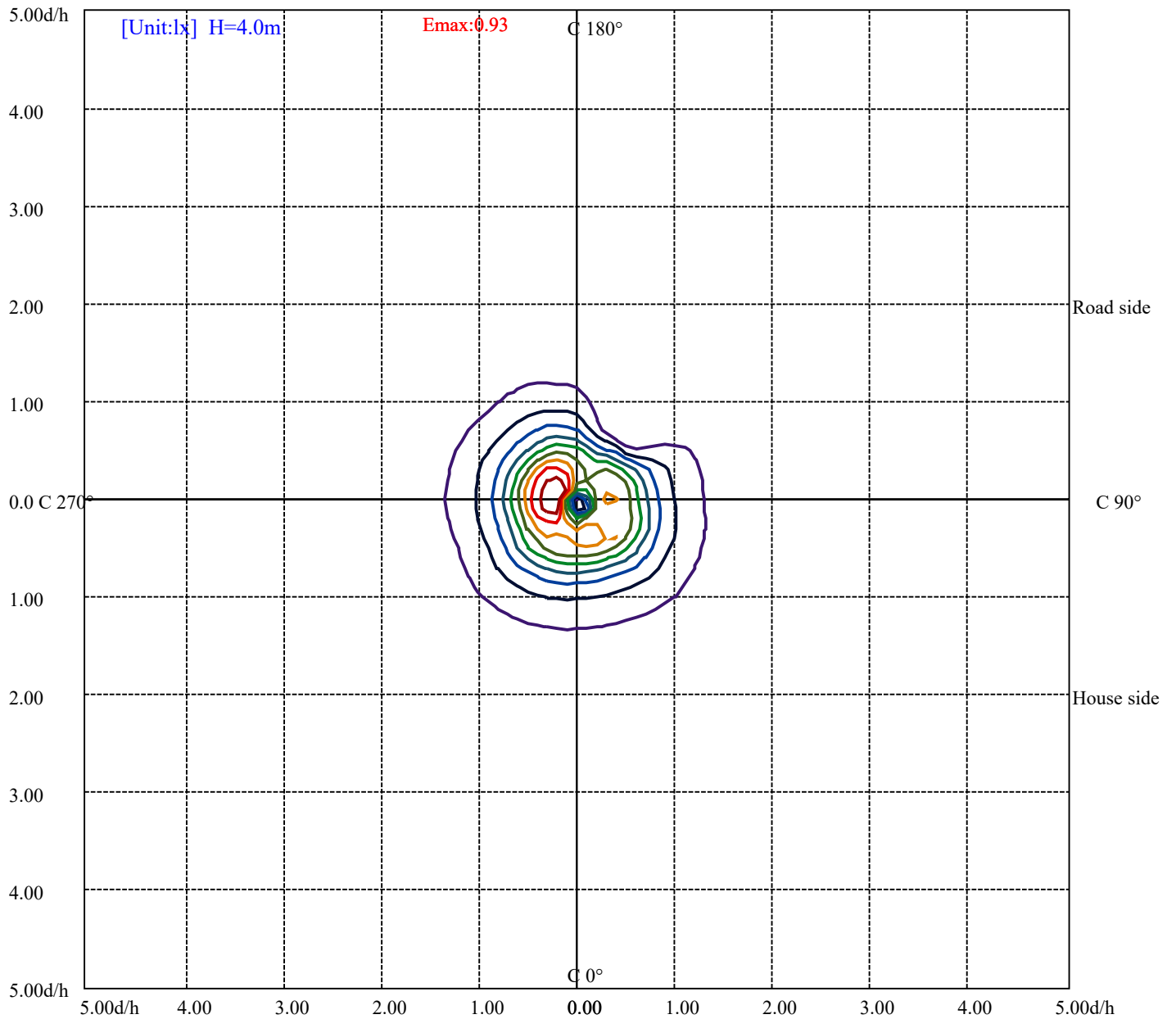
(50%Imax) 8.12077

(60%Imax) 9.74493

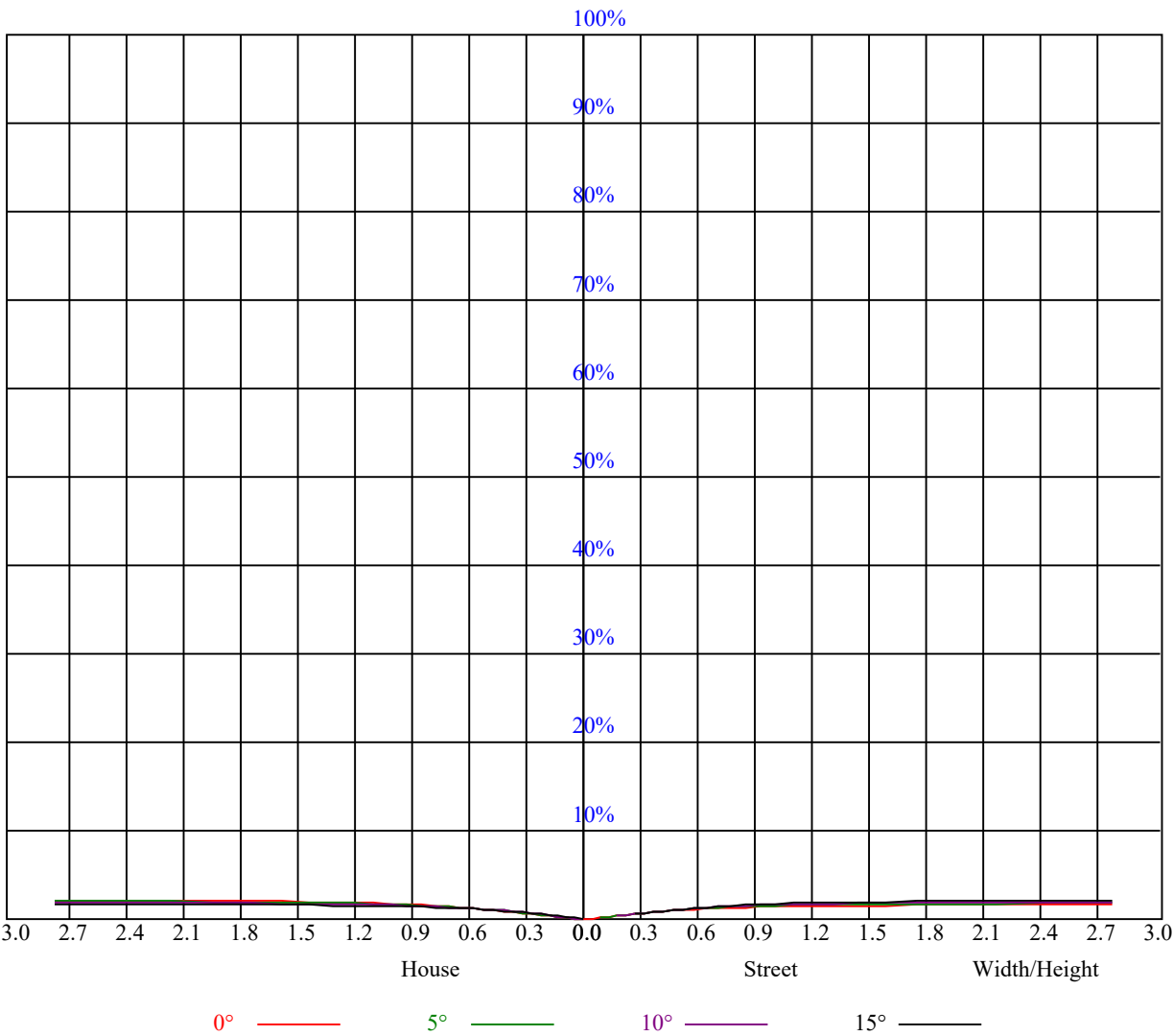
(70%Imax) 11.3691

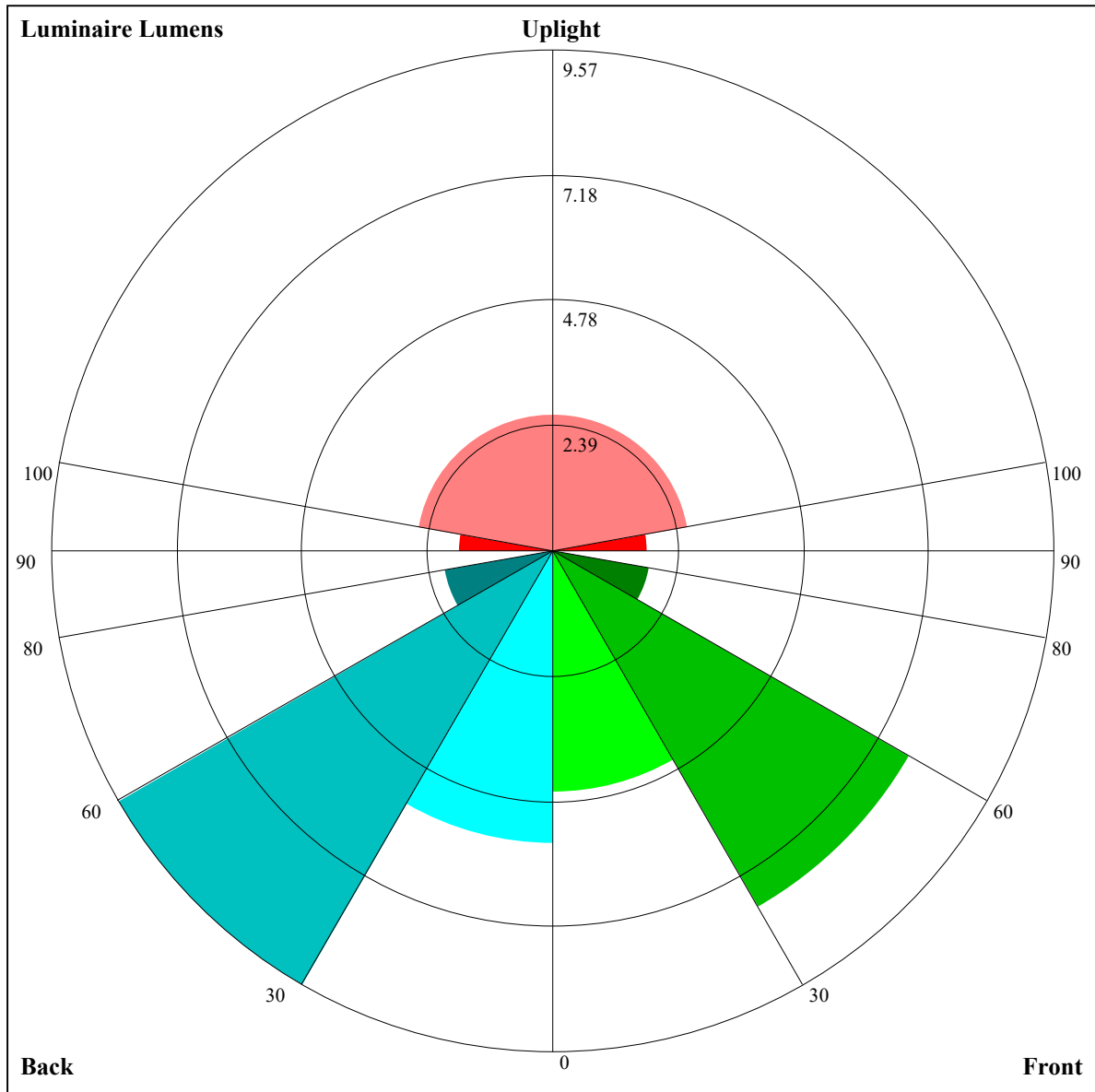
(80%Imax) 12.9932

(90%Imax) 14.6174



| | |
|---------------------|---|
| (10%Emax) 0.09279 | — |
| (20%Emax) 0.18558 | — |
| (30%Emax) 0.2783694 | — |
| (40%Emax) 0.3711594 | — |
| (50%Emax) 0.4639494 | — |
| (60%Emax) 0.5567394 | — |
| (70%Emax) 0.6495312 | — |
| (80%Emax) 0.7423187 | — |
| (90%Emax) 0.8351063 | — |





Luminaire Lumens:

FL=4.63,FM=7.85,FH=1.87,FVH=0

BL=5.59,BM=9.57,BH=2.12,BVH=0

UL=1.81,UH=2.62

BUG Rating:B0-U1-G0

Intensity data(cd)

| C/ γ (°) | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 1.33 | 0.83 | 1.25 | 2.08 | 2.92 | 4.37 | 5.41 | 6.66 | 7.50 |
| 22.5 | 1.33 | 1.04 | 1.04 | 1.46 | 2.50 | 3.12 | 4.79 | 6.25 | 6.25 |
| 45.0 | 1.33 | 1.87 | 2.50 | 3.33 | 4.58 | 6.04 | 6.66 | 7.08 | 7.91 |
| 67.5 | 1.33 | 1.46 | 2.08 | 2.29 | 3.12 | 3.96 | 5.00 | 5.83 | 6.45 |
| 90.0 | 1.33 | 2.71 | 3.54 | 4.58 | 5.83 | 7.50 | 8.12 | 8.54 | 8.95 |
| 112.5 | 1.33 | 1.67 | 2.71 | 3.54 | 6.25 | 7.70 | 8.95 | 10.20 | 11.04 |
| 135.0 | 1.33 | 3.75 | 5.83 | 8.54 | 8.95 | 10.83 | 12.08 | 12.91 | 13.53 |
| 157.5 | 1.33 | 1.67 | 2.92 | 4.16 | 6.45 | 7.91 | 11.04 | 12.91 | 13.33 |
| 180.0 | 1.33 | 0.83 | 1.67 | 2.50 | 3.96 | 5.83 | 7.91 | 10.41 | 12.29 |
| 202.5 | 1.33 | 1.87 | 2.71 | 3.75 | 5.21 | 8.12 | 9.37 | 12.29 | 13.74 |
| 225.0 | 1.33 | 1.25 | 1.46 | 1.87 | 2.50 | 3.54 | 4.58 | 7.08 | 8.33 |
| 247.5 | 1.33 | 1.04 | 1.25 | 2.08 | 2.92 | 3.96 | 4.58 | 6.04 | 7.29 |
| 270.0 | 1.33 | 1.04 | 0.62 | 0.62 | 0.83 | 1.87 | 2.29 | 3.33 | 3.96 |
| 292.5 | 1.33 | 0.42 | 0.42 | 0.83 | 1.46 | 2.71 | 3.33 | 4.79 | 7.08 |
| 315.0 | 1.33 | 1.46 | 0.62 | 0.21 | 0.42 | 0.83 | 1.25 | 2.50 | 3.12 |
| 337.5 | 1.33 | 0.42 | 0.21 | 0.42 | 1.04 | 2.29 | 2.92 | 4.16 | 6.87 |
| 360.0 | 1.33 | 0.83 | 1.25 | 2.08 | 2.92 | 4.37 | 5.41 | 6.66 | 7.50 |
| | | | | | | | | | |
| C/ γ (°) | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 |
| 0.0 | 8.33 | 9.37 | 9.99 | 10.41 | 11.04 | 11.24 | 11.66 | 12.08 | 12.29 |
| 22.5 | 6.87 | 8.12 | 8.95 | 9.58 | 9.99 | 10.41 | 11.04 | 11.24 | 11.66 |
| 45.0 | 8.54 | 9.37 | 9.79 | 10.20 | 10.20 | 10.41 | 10.62 | 10.83 | 10.83 |
| 67.5 | 7.08 | 8.12 | 8.75 | 9.16 | 9.58 | 9.99 | 10.20 | 10.20 | 10.20 |
| 90.0 | 9.16 | 9.58 | 9.99 | 10.41 | 10.83 | 10.83 | 10.62 | 10.62 | 10.62 |
| 112.5 | 11.87 | 12.49 | 12.91 | 13.33 | 13.33 | 13.53 | 13.74 | 13.53 | 13.53 |
| 135.0 | 14.16 | 14.58 | 14.99 | 15.20 | 15.41 | 15.41 | 15.41 | 15.41 | 15.41 |
| 157.5 | 14.16 | 14.99 | 15.20 | 15.62 | 15.83 | 16.03 | 16.03 | 16.03 | 16.24 |
| 180.0 | 13.95 | 14.78 | 15.62 | 16.03 | 16.03 | 16.24 | 16.24 | 16.24 | 16.24 |
| 202.5 | 14.37 | 14.99 | 15.20 | 15.62 | 16.03 | 16.03 | 16.03 | 16.24 | 16.03 |
| 225.0 | 10.20 | 11.45 | 12.49 | 13.12 | 13.53 | 13.95 | 13.95 | 13.95 | 13.95 |
| 247.5 | 8.12 | 8.95 | 9.16 | 9.58 | 9.99 | 10.41 | 11.66 | 12.70 | 13.12 |
| 270.0 | 5.83 | 6.87 | 7.50 | 8.54 | 9.16 | 9.79 | 10.20 | 10.62 | 12.08 |
| 292.5 | 6.66 | 8.54 | 9.37 | 10.41 | 10.41 | 10.20 | 9.99 | 11.66 | 12.49 |
| 315.0 | 5.21 | 6.87 | 7.50 | 7.91 | 9.16 | 9.99 | 10.62 | 11.45 | 11.66 |
| 337.5 | 7.70 | 8.75 | 9.58 | 9.79 | 9.99 | 10.20 | 10.41 | 10.83 | 11.24 |
| 360.0 | 8.33 | 9.37 | 9.99 | 10.41 | 11.04 | 11.24 | 11.66 | 12.08 | 12.29 |
| | | | | | | | | | |
| C/ γ (°) | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 |
| 0.0 | 12.70 | 12.70 | 12.91 | 12.91 | 13.12 | 13.33 | 13.53 | 13.53 | 13.53 |
| 22.5 | 11.66 | 12.08 | 12.29 | 12.29 | 12.49 | 12.70 | 13.12 | 13.12 | 13.12 |
| 45.0 | 10.83 | 11.04 | 11.04 | 11.24 | 11.24 | 11.45 | 11.45 | 11.45 | 11.04 |
| 67.5 | 9.99 | 9.99 | 9.79 | 9.58 | 9.58 | 9.37 | 8.95 | 8.95 | 8.75 |
| 90.0 | 10.62 | 10.62 | 10.83 | 11.04 | 11.24 | 11.66 | 11.87 | 11.87 | 11.45 |
| 112.5 | 13.53 | 13.33 | 13.33 | 13.33 | 13.33 | 13.33 | 13.33 | 13.12 | 13.12 |
| 135.0 | 15.62 | 15.62 | 15.83 | 15.83 | 15.83 | 15.62 | 15.62 | 15.20 | 14.78 |
| 157.5 | 16.03 | 16.24 | 16.03 | 16.24 | 16.24 | 16.24 | 16.24 | 16.03 | 15.83 |
| 180.0 | 16.24 | 16.03 | 16.03 | 16.03 | 16.03 | 16.03 | 16.03 | 16.03 | 15.83 |
| 202.5 | 16.03 | 16.03 | 15.83 | 15.83 | 16.03 | 15.83 | 15.62 | 15.62 | 15.20 |
| 225.0 | 13.95 | 13.95 | 13.74 | 13.74 | 13.95 | 13.95 | 14.16 | 13.33 | 13.95 |
| 247.5 | 13.12 | 13.12 | 12.91 | 11.04 | 12.49 | 12.29 | 12.70 | 13.53 | 14.37 |
| 270.0 | 12.29 | 13.12 | 13.53 | 13.53 | 13.74 | 13.95 | 13.95 | 14.16 | 14.16 |
| 292.5 | 13.12 | 13.33 | 13.53 | 13.74 | 14.16 | 14.58 | 14.78 | 14.78 | 14.99 |
| 315.0 | 11.87 | 11.87 | 12.29 | 12.49 | 12.70 | 12.70 | 12.91 | 13.33 | 13.53 |
| 337.5 | 11.66 | 11.45 | 11.45 | 11.45 | 11.45 | 11.66 | 11.87 | 12.29 | 13.12 |
| 360.0 | 12.70 | 12.70 | 12.91 | 12.91 | 13.12 | 13.33 | 13.53 | 13.53 | 13.53 |

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 | 13.53 | 13.33 | 13.12 | 12.91 | 12.49 | 12.29 | 11.87 | 11.24 | 11.24 |
| 22.5 | 13.12 | 12.91 | 12.70 | 12.29 | 12.08 | 11.66 | 11.24 | 11.04 | 10.62 |
| 45.0 | 11.04 | 10.41 | 9.37 | 8.75 | 8.33 | 8.12 | 7.50 | 6.04 | 4.16 |
| 67.5 | 8.33 | 7.70 | 7.08 | 6.25 | 5.83 | 5.41 | 5.00 | 4.58 | 3.33 |
| 90.0 | 11.45 | 11.04 | 10.62 | 9.99 | 9.58 | 9.37 | 8.95 | 8.54 | 8.33 |
| 112.5 | 12.70 | 12.49 | 12.29 | 11.87 | 11.66 | 11.45 | 11.04 | 10.62 | 10.41 |
| 135.0 | 14.58 | 13.95 | 13.53 | 13.12 | 12.70 | 12.29 | 11.87 | 11.24 | 11.04 |
| 157.5 | 15.62 | 15.20 | 14.78 | 14.16 | 13.95 | 13.12 | 12.91 | 12.49 | 12.08 |
| 180.0 | 15.41 | 14.99 | 14.78 | 14.16 | 13.95 | 13.33 | 12.91 | 12.70 | 12.08 |
| 202.5 | 14.99 | 14.58 | 14.16 | 13.74 | 13.33 | 12.91 | 12.49 | 11.87 | 11.87 |
| 225.0 | 14.37 | 13.33 | 13.12 | 14.37 | 14.58 | 14.37 | 14.16 | 13.74 | 13.53 |
| 247.5 | 14.78 | 14.78 | 14.58 | 14.16 | 13.74 | 13.53 | 13.33 | 12.91 | 12.70 |
| 270.0 | 14.16 | 14.16 | 14.16 | 13.74 | 13.53 | 13.33 | 12.91 | 12.70 | 12.29 |
| 292.5 | 14.78 | 14.78 | 14.37 | 14.16 | 13.74 | 13.53 | 13.12 | 12.91 | 12.49 |
| 315.0 | 14.58 | 15.41 | 15.83 | 15.83 | 15.62 | 15.20 | 14.99 | 14.78 | 14.16 |
| 337.5 | 13.53 | 14.16 | 14.58 | 14.37 | 14.16 | 14.16 | 13.95 | 13.53 | 13.33 |
| 360.0 | 13.53 | 13.33 | 13.12 | 12.91 | 12.49 | 12.29 | 11.87 | 11.24 | 11.24 |
| | | | | | | | | | |
| C/ γ (°) | 36.0 | 37.0 | 38.0 | 39.0 | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 |
| 0.0 | 10.62 | 10.41 | 9.99 | 9.79 | 9.58 | 9.16 | 8.95 | 8.75 | 8.54 |
| 22.5 | 10.20 | 9.99 | 9.58 | 9.37 | 8.95 | 8.54 | 8.33 | 8.33 | 8.12 |
| 45.0 | 2.92 | 2.50 | 1.87 | 1.25 | 1.04 | 0.62 | 0.62 | 0.62 | 0.42 |
| 67.5 | 2.71 | 2.08 | 1.67 | 1.25 | 1.04 | 0.62 | 0.62 | 0.42 | 0.42 |
| 90.0 | 7.91 | 7.70 | 7.50 | 7.29 | 7.08 | 6.87 | 6.66 | 6.45 | 6.25 |
| 112.5 | 10.20 | 9.99 | 9.58 | 9.58 | 9.16 | 8.95 | 8.75 | 8.33 | 8.12 |
| 135.0 | 10.83 | 10.62 | 10.20 | 9.79 | 9.79 | 9.37 | 9.16 | 8.95 | 8.54 |
| 157.5 | 11.66 | 11.24 | 10.83 | 10.62 | 10.20 | 9.99 | 9.79 | 9.58 | 9.37 |
| 180.0 | 11.66 | 11.24 | 10.83 | 10.62 | 10.20 | 9.99 | 9.79 | 9.37 | 9.16 |
| 202.5 | 11.24 | 10.83 | 10.62 | 10.20 | 9.99 | 9.79 | 9.37 | 9.16 | 8.75 |
| 225.0 | 13.33 | 13.12 | 12.70 | 12.49 | 11.87 | 11.24 | 11.04 | 10.62 | 10.20 |
| 247.5 | 12.29 | 12.08 | 11.66 | 11.24 | 11.04 | 10.62 | 10.41 | 10.20 | 9.79 |
| 270.0 | 11.87 | 11.24 | 11.04 | 10.83 | 10.41 | 9.99 | 9.58 | 9.37 | 9.16 |
| 292.5 | 11.87 | 11.66 | 11.04 | 10.62 | 10.41 | 9.99 | 9.79 | 9.58 | 9.16 |
| 315.0 | 13.95 | 13.53 | 13.12 | 12.91 | 12.29 | 11.87 | 11.45 | 11.04 | 10.62 |
| 337.5 | 12.91 | 12.70 | 12.29 | 11.87 | 11.45 | 11.04 | 10.62 | 10.41 | 9.99 |
| 360.0 | 10.62 | 10.41 | 9.99 | 9.79 | 9.58 | 9.16 | 8.95 | 8.75 | 8.54 |
| | | | | | | | | | |
| C/ γ (°) | 45.0 | 46.0 | 47.0 | 48.0 | 49.0 | 50.0 | 51.0 | 52.0 | 53.0 |
| 0.0 | 8.12 | 8.12 | 7.91 | 7.50 | 7.29 | 7.08 | 6.87 | 6.45 | 6.25 |
| 22.5 | 7.70 | 7.70 | 7.50 | 7.29 | 7.08 | 6.87 | 6.45 | 6.25 | 6.04 |
| 45.0 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.21 | 0.21 | 0.21 | 0.21 |
| 67.5 | 0.42 | 0.42 | 0.42 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 90.0 | 6.25 | 5.83 | 5.62 | 5.41 | 5.21 | 4.79 | 4.58 | 4.37 | 4.16 |
| 112.5 | 7.91 | 7.70 | 7.70 | 7.29 | 7.08 | 6.66 | 6.45 | 6.25 | 6.04 |
| 135.0 | 8.33 | 8.12 | 7.91 | 7.70 | 7.29 | 6.87 | 6.66 | 6.25 | 6.25 |
| 157.5 | 9.16 | 8.75 | 8.54 | 8.33 | 7.91 | 7.50 | 7.29 | 7.08 | 6.66 |
| 180.0 | 8.95 | 8.75 | 8.54 | 8.12 | 7.91 | 7.70 | 7.50 | 7.29 | 6.87 |
| 202.5 | 8.75 | 8.33 | 8.12 | 7.91 | 7.50 | 7.29 | 7.08 | 6.66 | 6.45 |
| 225.0 | 9.99 | 9.79 | 9.58 | 9.16 | 8.95 | 8.54 | 8.33 | 8.12 | 7.70 |
| 247.5 | 9.58 | 9.37 | 9.16 | 8.75 | 8.54 | 8.12 | 7.91 | 7.50 | 7.29 |
| 270.0 | 8.75 | 8.33 | 8.33 | 7.91 | 7.70 | 7.50 | 7.29 | 7.08 | 6.66 |
| 292.5 | 8.95 | 8.75 | 8.33 | 8.12 | 7.91 | 7.70 | 7.29 | 7.08 | 6.87 |
| 315.0 | 10.20 | 9.99 | 9.79 | 9.37 | 9.16 | 8.75 | 8.54 | 8.54 | 8.12 |
| 337.5 | 9.79 | 9.37 | 9.16 | 8.95 | 8.54 | 8.12 | 7.91 | 7.50 | 7.50 |
| 360.0 | 8.12 | 8.12 | 7.91 | 7.50 | 7.29 | 7.08 | 6.87 | 6.45 | 6.25 |

Intensity data(cd)

Appendix Page: 17 Total:21

| | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|------|------|
| C/ $\gamma(^{\circ})$ | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 | 60.0 | 61.0 | 62.0 |
| 0.0 | 6.04 | 5.62 | 5.41 | 5.21 | 5.00 | 4.79 | 4.58 | 4.37 | 3.96 |
| 22.5 | 5.83 | 5.62 | 5.21 | 5.21 | 4.79 | 4.58 | 4.37 | 4.16 | 3.96 |
| 45.0 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.42 | 0.21 |
| 67.5 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.42 | 0.42 |
| 90.0 | 4.16 | 3.75 | 3.75 | 3.54 | 3.33 | 3.12 | 2.92 | 2.71 | 2.50 |
| 112.5 | 5.62 | 5.41 | 5.21 | 4.79 | 4.58 | 4.37 | 4.16 | 3.96 | 3.54 |
| 135.0 | 5.62 | 5.62 | 5.21 | 4.79 | 4.58 | 4.37 | 3.96 | 3.96 | 3.54 |
| 157.5 | 6.45 | 6.04 | 5.83 | 5.62 | 5.21 | 4.79 | 4.79 | 4.37 | 4.16 |
| 180.0 | 6.45 | 6.25 | 5.83 | 5.62 | 5.41 | 5.21 | 4.79 | 4.58 | 4.37 |
| 202.5 | 6.04 | 5.83 | 5.62 | 5.21 | 5.21 | 5.00 | 4.58 | 4.37 | 4.16 |
| 225.0 | 7.50 | 7.08 | 6.87 | 6.45 | 6.25 | 5.83 | 5.62 | 5.41 | 5.21 |
| 247.5 | 7.08 | 6.66 | 6.25 | 6.04 | 5.83 | 5.62 | 5.41 | 5.00 | 4.79 |
| 270.0 | 6.45 | 6.25 | 5.83 | 5.83 | 5.41 | 5.21 | 5.00 | 4.79 | 4.37 |
| 292.5 | 6.66 | 6.25 | 6.04 | 5.83 | 5.62 | 5.41 | 5.21 | 4.79 | 4.58 |
| 315.0 | 7.91 | 7.50 | 7.08 | 6.66 | 6.45 | 6.25 | 6.04 | 5.62 | 5.41 |
| 337.5 | 7.08 | 6.87 | 6.66 | 6.25 | 6.04 | 5.83 | 5.41 | 5.00 | 4.79 |
| 360.0 | 6.04 | 5.62 | 5.41 | 5.21 | 5.00 | 4.79 | 4.58 | 4.37 | 3.96 |
| C/ $\gamma(^{\circ})$ | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 71.0 |
| 0.0 | 3.75 | 3.54 | 3.33 | 3.12 | 2.92 | 2.71 | 2.50 | 1.87 | 1.87 |
| 22.5 | 3.75 | 3.54 | 3.33 | 3.12 | 2.92 | 2.50 | 2.29 | 1.87 | 1.67 |
| 45.0 | 0.21 | 0.21 | 0.42 | 0.62 | 0.62 | 0.83 | 1.04 | 1.04 | 1.04 |
| 67.5 | 0.21 | 0.21 | 0.21 | 0.42 | 0.62 | 0.62 | 0.83 | 0.83 | 1.04 |
| 90.0 | 2.50 | 2.08 | 1.87 | 1.46 | 1.25 | 1.04 | 1.04 | 0.83 | 0.62 |
| 112.5 | 3.33 | 3.12 | 3.12 | 2.71 | 2.29 | 2.08 | 1.67 | 1.67 | 1.46 |
| 135.0 | 3.33 | 3.12 | 2.71 | 2.71 | 2.29 | 2.08 | 1.67 | 1.46 | 1.25 |
| 157.5 | 3.96 | 3.54 | 3.54 | 3.33 | 3.12 | 2.71 | 2.29 | 2.08 | 1.87 |
| 180.0 | 4.16 | 3.75 | 3.75 | 3.33 | 3.12 | 2.92 | 2.71 | 2.29 | 1.87 |
| 202.5 | 3.96 | 3.54 | 3.33 | 3.12 | 2.92 | 2.71 | 2.50 | 2.08 | 1.87 |
| 225.0 | 4.79 | 4.58 | 4.37 | 4.16 | 3.75 | 3.54 | 3.33 | 2.92 | 2.71 |
| 247.5 | 4.58 | 4.16 | 3.96 | 3.75 | 3.54 | 3.33 | 3.12 | 2.71 | 2.71 |
| 270.0 | 4.16 | 3.96 | 3.96 | 3.54 | 3.33 | 3.12 | 2.92 | 2.71 | 2.29 |
| 292.5 | 4.37 | 3.96 | 3.75 | 3.54 | 3.33 | 3.12 | 2.92 | 2.50 | 2.50 |
| 315.0 | 5.00 | 4.79 | 4.58 | 4.37 | 3.96 | 3.75 | 3.54 | 3.33 | 3.12 |
| 337.5 | 4.58 | 4.37 | 3.96 | 3.75 | 3.54 | 3.33 | 3.12 | 2.71 | 2.50 |
| 360.0 | 3.75 | 3.54 | 3.33 | 3.12 | 2.92 | 2.71 | 2.50 | 1.87 | 1.87 |
| C/ $\gamma(^{\circ})$ | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 | 80.0 |
| 0.0 | 1.46 | 1.46 | 1.04 | 1.04 | 0.42 | 0.21 | 0.00 | 0.00 | 0.00 |
| 22.5 | 1.46 | 1.25 | 1.25 | 0.83 | 0.42 | 0.21 | 0.21 | 0.00 | 0.00 |
| 45.0 | 1.04 | 0.62 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67.5 | 1.04 | 0.83 | 0.42 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90.0 | 0.21 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112.5 | 1.25 | 0.83 | 0.42 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135.0 | 1.04 | 0.42 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 1.87 | 1.25 | 1.04 | 0.62 | 0.21 | 0.21 | 0.00 | 0.00 | 0.00 |
| 180.0 | 1.67 | 1.67 | 1.46 | 1.04 | 0.62 | 0.21 | 0.21 | 0.00 | 0.00 |
| 202.5 | 1.46 | 1.46 | 1.25 | 1.04 | 0.83 | 0.21 | 0.00 | 0.00 | 0.00 |
| 225.0 | 2.50 | 2.29 | 1.87 | 1.67 | 1.46 | 1.25 | 1.04 | 0.83 | 0.21 |
| 247.5 | 2.29 | 2.08 | 1.67 | 1.25 | 1.25 | 0.83 | 0.42 | 0.42 | 0.00 |
| 270.0 | 2.08 | 2.08 | 1.67 | 1.25 | 1.25 | 1.04 | 0.83 | 0.62 | 0.42 |
| 292.5 | 2.29 | 1.87 | 1.67 | 1.25 | 1.04 | 0.83 | 0.42 | 0.21 | 0.00 |
| 315.0 | 2.71 | 2.71 | 2.08 | 1.87 | 1.67 | 1.46 | 1.25 | 0.83 | 0.42 |
| 337.5 | 2.08 | 1.87 | 1.67 | 1.25 | 1.04 | 0.62 | 0.21 | 0.00 | 0.00 |
| 360.0 | 1.46 | 1.46 | 1.04 | 1.04 | 0.42 | 0.21 | 0.00 | 0.00 | 0.00 |

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 | 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 | 0.21 | 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 | 0.21 | 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(°) | 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 | 0.21 | 0.62 | 1.46 | 2.71 | 3.54 | 4.58 |
| 22.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.83 | 1.25 | 2.50 | 3.96 |
| 45.0 | 0.00 | 0.21 | 0.42 | 1.04 | 2.29 | 3.54 | 5.00 | 5.83 | 6.87 |
| 67.5 | 0.00 | 0.00 | 0.00 | 0.42 | 1.04 | 2.50 | 3.75 | 5.00 | 6.25 |
| 90.0 | 0.00 | 0.42 | 0.62 | 1.67 | 2.92 | 3.75 | 5.21 | 6.04 | 5.83 |
| 112.5 | 0.00 | 0.00 | 0.21 | 0.62 | 1.25 | 2.29 | 2.92 | 4.58 | 5.62 |
| 135.0 | 0.21 | 0.62 | 1.04 | 2.08 | 3.12 | 4.16 | 5.62 | 6.25 | 7.29 |
| 157.5 | 0.00 | 0.00 | 0.21 | 0.42 | 1.04 | 2.08 | 2.50 | 3.75 | 5.41 |
| 180.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.42 | 1.25 | 2.08 | 3.12 |
| 202.5 | 0.00 | 0.00 | 0.00 | 0.21 | 0.42 | 1.04 | 2.08 | 2.71 | 3.96 |
| 225.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.42 | 1.25 | 2.29 |
| 247.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.42 | 1.25 | 1.87 | 2.92 |
| 270.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.42 | 1.04 |
| 292.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.62 | 1.25 | 2.29 |
| 315.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.62 | 1.25 |
| 337.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 1.46 | 2.08 | 3.33 |
| 360.0 | 0.00 | 0.00 | 0.00 | 0.21 | 0.62 | 1.46 | 2.71 | 3.54 | 4.58 |
| | | | | | | | | | |
| C/γ(°) | 99.0 | 100.0 | 101.0 | 102.0 | 103.0 | 104.0 | 105.0 | 106.0 | 107.0 |
| 0.0 | 6.45 | 7.29 | 7.91 | 7.91 | 5.21 | 0.21 | 0.00 | 0.00 | 0.00 |
| 22.5 | 4.79 | 6.25 | 6.87 | 6.66 | 3.96 | 1.04 | 0.00 | 0.00 | 0.00 |
| 45.0 | 7.29 | 5.83 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67.5 | 6.87 | 6.66 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90.0 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112.5 | 6.04 | 5.62 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135.0 | 7.29 | 5.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.5 | 6.25 | 7.29 | 7.70 | 6.45 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0 | 3.75 | 5.00 | 5.83 | 6.45 | 5.83 | 4.58 | 0.00 | 0.00 | 0.00 |
| 202.5 | 4.58 | 5.62 | 6.87 | 7.70 | 7.08 | 4.16 | 1.46 | 0.00 | 0.00 |
| 225.0 | 2.71 | 3.96 | 5.21 | 6.45 | 7.70 | 8.33 | 9.58 | 8.95 | 6.45 |
| 247.5 | 3.96 | 5.00 | 6.45 | 7.50 | 8.54 | 9.58 | 9.37 | 6.66 | 1.67 |
| 270.0 | 1.46 | 2.71 | 3.54 | 4.58 | 5.62 | 6.45 | 7.50 | 7.70 | 6.45 |
| 292.5 | 3.33 | 4.37 | 5.62 | 6.45 | 7.91 | 8.12 | 7.29 | 4.79 | 0.21 |
| 315.0 | 2.08 | 3.33 | 4.79 | 6.04 | 7.29 | 8.12 | 9.16 | 8.75 | 6.04 |
| 337.5 | 4.58 | 6.04 | 7.29 | 8.33 | 8.33 | 5.83 | 2.92 | 0.00 | 0.00 |
| 360.0 | 6.45 | 7.29 | 7.91 | 7.91 | 5.21 | 0.21 | 0.00 | 0.00 | 0.00 |

Intensity data(cd)

Appendix Page: 19 Total:21

| C/ $\gamma(^{\circ})$ | 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 | 0.21 | 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 | 3.33 | 0.42 | 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/ $\gamma(^{\circ})$ | 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/ $\gamma(^{\circ})$ | 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 |

Intensity data(cd)

Appendix Page: 20 Total:21

| C/ $\gamma(^{\circ})$ | 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/ $\gamma(^{\circ})$ | 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/ $\gamma(^{\circ})$ | 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 |

Intensity data(cd)

Appendix Page: 21 Total:21

| C/ $\gamma(^{\circ})$ | 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/ $\gamma(^{\circ})$ | 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/ $\gamma(^{\circ})$ | 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 |