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TroyCSL Lighting

Client:

LumCAT: B7112-TBZ

Luminaire:

Report No: BSR202203020101-9

Ballast type:

Test No: BSR202203020101-9

Voltage(V): 120.100

LampCAT: GU10 6W

Current(A): 0.056

Lamp flux(lm)

Power (W): 6.321

Number of Lamps: 1

PF: 1.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 425.07, Luminous Efficacy(lm/W): 67.25

Central intensity(cd): 557.352, Maximum intensity(cd): 631.450

Angle of maximum intensity: $C=247.5$ $\gamma=5.0$

Beam Angle(50%Imax): [C0/180]Total=28.6

[C90/270]Total=23.5

Field angle(10%Imax): [C0/180]Total=105.3

[C90/270]Total=79.9

Maximum s/h(1/2): C0_180=0.59 C90_270=0.39

Maximum s/h(1/4): C0_180=0.78 C90_270=0.43

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 92.224%

TroyCSL Lighting B7112-TBZ

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	557.352	0.000	0	0.00%	0.00%
1.0	557.915	0.534	0.534	0.13%	0.13%
2.0	561.971	1.607	2.141	0.38%	0.50%
3.0	564.787	2.695	4.836	0.63%	1.14%
4.0	568.644	3.794	8.63	0.89%	2.03%
5.0	571.267	4.904	13.534	1.15%	3.18%
6.0	570.426	6.000	19.534	1.41%	4.60%
7.0	561.864	7.028	26.562	1.65%	6.25%
8.0	546.958	7.936	34.497	1.87%	8.12%
9.0	511.342	8.577	43.074	2.02%	10.13%
10.0	442.840	8.635	51.709	2.03%	12.16%
11.0	389.958	8.321	60.031	1.96%	14.12%
12.0	320.237	7.763	67.794	1.83%	15.95%
13.0	279.175	7.114	74.908	1.67%	17.62%
14.0	261.039	6.915	81.822	1.63%	19.25%
15.0	247.102	6.976	88.798	1.64%	20.89%
16.0	243.338	7.186	95.985	1.69%	22.58%
17.0	246.346	7.626	103.61	1.79%	24.37%
18.0	254.238	8.254	111.864	1.94%	26.32%
19.0	256.633	8.888	120.752	2.09%	28.41%
20.0	250.517	9.282	130.034	2.18%	30.59%
21.0	239.766	9.414	139.449	2.21%	32.81%
22.0	223.783	9.315	148.764	2.19%	35.00%
23.0	208.328	9.067	157.831	2.13%	37.13%
24.0	197.727	8.878	166.708	2.09%	39.22%
25.0	186.128	8.728	175.437	2.05%	41.27%
26.0	179.342	8.627	184.063	2.03%	43.30%
27.0	172.776	8.615	192.678	2.03%	45.33%
28.0	166.588	8.592	201.27	2.02%	47.35%
29.0	161.306	8.579	209.849	2.02%	49.37%
30.0	152.024	8.460	218.309	1.99%	51.36%
31.0	144.467	8.251	226.559	1.94%	53.30%
32.0	138.450	8.105	234.665	1.91%	55.21%
33.0	131.457	7.952	242.616	1.87%	57.08%
34.0	124.706	7.752	250.369	1.82%	58.90%
35.0	116.721	7.498	257.866	1.76%	60.66%
36.0	109.172	7.192	265.059	1.69%	62.36%
37.0	105.322	6.996	272.054	1.65%	64.00%

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

Date: 2022/3/2
Humidity(%): 59.0%

Operator: 01
Distance(m): 10.68

TroyCSL Lighting B7112-TBZ

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	101.074	6.889	278.944	1.62%	65.62%
39.0	97.609	6.782	285.725	1.60%	67.22%
40.0	94.415	6.697	292.422	1.58%	68.79%
41.0	90.580	6.588	299.01	1.55%	70.34%
42.0	88.477	6.505	305.515	1.53%	71.87%
43.0	84.078	6.392	311.907	1.50%	73.38%
44.0	79.908	6.189	318.097	1.46%	74.83%
45.0	76.629	6.016	324.113	1.42%	76.25%
46.0	72.387	5.828	329.94	1.37%	77.62%
47.0	69.157	5.630	335.57	1.32%	78.94%
48.0	65.322	5.436	341.006	1.28%	80.22%
49.0	61.330	5.201	346.207	1.22%	81.45%
50.0	58.977	5.016	351.223	1.18%	82.63%
51.0	55.242	4.832	356.056	1.14%	83.76%
52.0	52.290	4.614	360.67	1.09%	84.85%
53.0	49.396	4.423	365.093	1.04%	85.89%
54.0	45.981	4.204	369.297	0.99%	86.88%
55.0	43.771	4.006	373.304	0.94%	87.82%
56.0	40.699	3.817	377.121	0.90%	88.72%
57.0	37.641	3.582	380.702	0.84%	89.56%
58.0	35.538	3.384	384.086	0.80%	90.36%
59.0	32.715	3.191	387.277	0.75%	91.11%
60.0	30.661	2.994	390.271	0.70%	91.81%
61.0	28.366	2.817	393.088	0.66%	92.48%
62.0	26.555	2.646	395.735	0.62%	93.10%
63.0	25.343	2.524	398.259	0.59%	93.69%
64.0	23.818	2.412	400.671	0.57%	94.26%
65.0	22.798	2.307	402.978	0.54%	94.80%
66.0	21.487	2.210	405.188	0.52%	95.32%
67.0	19.711	2.072	407.259	0.49%	95.81%
68.0	18.685	1.945	409.204	0.46%	96.27%
69.0	16.938	1.817	411.021	0.43%	96.69%
70.0	15.591	1.671	412.692	0.39%	97.09%
71.0	14.379	1.549	414.241	0.36%	97.45%
72.0	12.882	1.417	415.659	0.33%	97.78%
73.0	11.905	1.296	416.955	0.30%	98.09%
74.0	10.743	1.191	418.145	0.28%	98.37%
75.0	9.317	1.060	419.205	0.25%	98.62%

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

Date: 2022/3/2
Humidity(%): 59.0%

Operator: 01
Distance(m): 10.68

TroyCSL Lighting B7112-TBZ

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	8.369	0.939	420.144	0.22%	98.84%
77.0	6.780	0.808	420.952	0.19%	99.03%
78.0	5.511	0.658	421.61	0.15%	99.18%
79.0	4.356	0.530	422.14	0.12%	99.31%
80.0	3.443	0.420	422.56	0.10%	99.41%
81.0	3.137	0.356	422.916	0.08%	99.49%
82.0	2.780	0.321	423.237	0.08%	99.57%
83.0	2.509	0.288	423.525	0.07%	99.64%
84.0	2.388	0.267	423.792	0.06%	99.70%
85.0	2.296	0.256	424.047	0.06%	99.76%
86.0	2.210	0.246	424.293	0.06%	99.82%
87.0	2.096	0.236	424.529	0.06%	99.87%
88.0	1.989	0.224	424.753	0.05%	99.92%
89.0	1.939	0.215	424.968	0.05%	99.97%
90.0	0.000	0.106	425.074	0.03%	100.00%
91.0	0.000	0.000	425.074	0.00%	100.00%
92.0	0.000	0.000	425.074	0.00%	100.00%
93.0	0.000	0.000	425.074	0.00%	100.00%
94.0	0.000	0.000	425.074	0.00%	100.00%
95.0	0.000	0.000	425.074	0.00%	100.00%
96.0	0.000	0.000	425.074	0.00%	100.00%
97.0	0.000	0.000	425.074	0.00%	100.00%
98.0	0.000	0.000	425.074	0.00%	100.00%
99.0	0.000	0.000	425.074	0.00%	100.00%
100.0	0.000	0.000	425.074	0.00%	100.00%
101.0	0.000	0.000	425.074	0.00%	100.00%
102.0	0.000	0.000	425.074	0.00%	100.00%
103.0	0.000	0.000	425.074	0.00%	100.00%
104.0	0.000	0.000	425.074	0.00%	100.00%
105.0	0.000	0.000	425.074	0.00%	100.00%
106.0	0.000	0.000	425.074	0.00%	100.00%
107.0	0.000	0.000	425.074	0.00%	100.00%
108.0	0.000	0.000	425.074	0.00%	100.00%
109.0	0.000	0.000	425.074	0.00%	100.00%
110.0	0.000	0.000	425.074	0.00%	100.00%
111.0	0.000	0.000	425.074	0.00%	100.00%
112.0	0.000	0.000	425.074	0.00%	100.00%
113.0	0.000	0.000	425.074	0.00%	100.00%

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

Date: 2022/3/2
Humidity(%): 59.0%

Operator: 01
Distance(m): 10.68

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	425.074	0.00%	100.00%
115.0	0.000	0.000	425.074	0.00%	100.00%
116.0	0.000	0.000	425.074	0.00%	100.00%
117.0	0.000	0.000	425.074	0.00%	100.00%
118.0	0.000	0.000	425.074	0.00%	100.00%
119.0	0.000	0.000	425.074	0.00%	100.00%
120.0	0.000	0.000	425.074	0.00%	100.00%
121.0	0.000	0.000	425.074	0.00%	100.00%
122.0	0.000	0.000	425.074	0.00%	100.00%
123.0	0.000	0.000	425.074	0.00%	100.00%
124.0	0.000	0.000	425.074	0.00%	100.00%
125.0	0.000	0.000	425.074	0.00%	100.00%
126.0	0.000	0.000	425.074	0.00%	100.00%
127.0	0.000	0.000	425.074	0.00%	100.00%
128.0	0.000	0.000	425.074	0.00%	100.00%
129.0	0.000	0.000	425.074	0.00%	100.00%
130.0	0.000	0.000	425.074	0.00%	100.00%
131.0	0.000	0.000	425.074	0.00%	100.00%
132.0	0.000	0.000	425.074	0.00%	100.00%
133.0	0.000	0.000	425.074	0.00%	100.00%
134.0	0.000	0.000	425.074	0.00%	100.00%
135.0	0.000	0.000	425.074	0.00%	100.00%
136.0	0.000	0.000	425.074	0.00%	100.00%
137.0	0.000	0.000	425.074	0.00%	100.00%
138.0	0.000	0.000	425.074	0.00%	100.00%
139.0	0.000	0.000	425.074	0.00%	100.00%
140.0	0.000	0.000	425.074	0.00%	100.00%
141.0	0.000	0.000	425.074	0.00%	100.00%
142.0	0.000	0.000	425.074	0.00%	100.00%
143.0	0.000	0.000	425.074	0.00%	100.00%
144.0	0.000	0.000	425.074	0.00%	100.00%
145.0	0.000	0.000	425.074	0.00%	100.00%
146.0	0.000	0.000	425.074	0.00%	100.00%
147.0	0.000	0.000	425.074	0.00%	100.00%
148.0	0.000	0.000	425.074	0.00%	100.00%
149.0	0.000	0.000	425.074	0.00%	100.00%
150.0	0.000	0.000	425.074	0.00%	100.00%
151.0	0.000	0.000	425.074	0.00%	100.00%

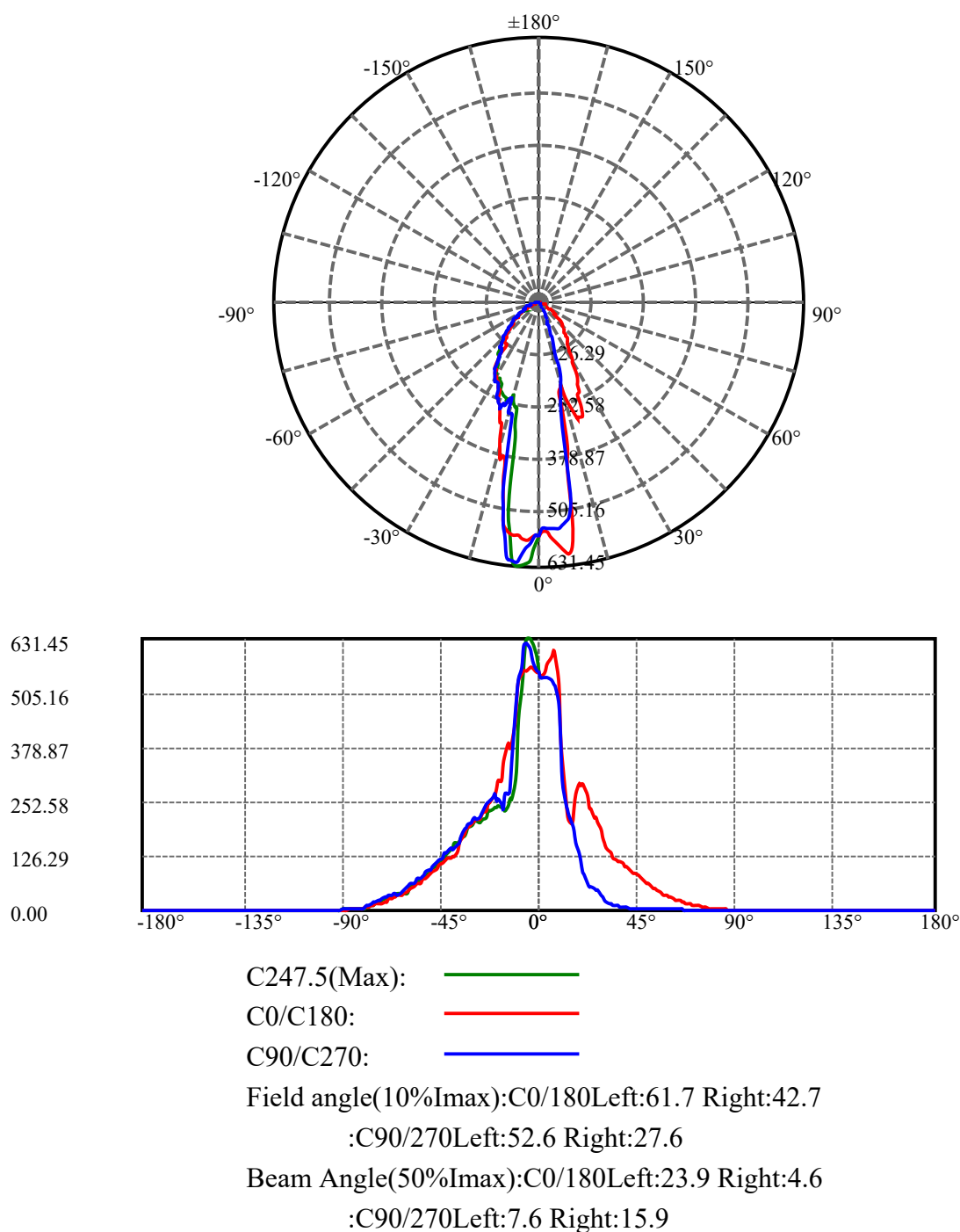
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	425.074	0.00%	100.00%
153.0	0.000	0.000	425.074	0.00%	100.00%
154.0	0.000	0.000	425.074	0.00%	100.00%
155.0	0.000	0.000	425.074	0.00%	100.00%
156.0	0.000	0.000	425.074	0.00%	100.00%
157.0	0.000	0.000	425.074	0.00%	100.00%
158.0	0.000	0.000	425.074	0.00%	100.00%
159.0	0.000	0.000	425.074	0.00%	100.00%
160.0	0.000	0.000	425.074	0.00%	100.00%
161.0	0.000	0.000	425.074	0.00%	100.00%
162.0	0.000	0.000	425.074	0.00%	100.00%
163.0	0.000	0.000	425.074	0.00%	100.00%
164.0	0.000	0.000	425.074	0.00%	100.00%
165.0	0.000	0.000	425.074	0.00%	100.00%
166.0	0.000	0.000	425.074	0.00%	100.00%
167.0	0.000	0.000	425.074	0.00%	100.00%
168.0	0.000	0.000	425.074	0.00%	100.00%
169.0	0.000	0.000	425.074	0.00%	100.00%
170.0	0.000	0.000	425.074	0.00%	100.00%
171.0	0.000	0.000	425.074	0.00%	100.00%
172.0	0.000	0.000	425.074	0.00%	100.00%
173.0	0.000	0.000	425.074	0.00%	100.00%
174.0	0.000	0.000	425.074	0.00%	100.00%
175.0	0.000	0.000	425.074	0.00%	100.00%
176.0	0.000	0.000	425.074	0.00%	100.00%
177.0	0.000	0.000	425.074	0.00%	100.00%
178.0	0.000	0.000	425.074	0.00%	100.00%
179.0	0.000	0.000	425.074	0.00%	100.00%
180.0	0.000	0.000	425.074	0.00%	100.00%

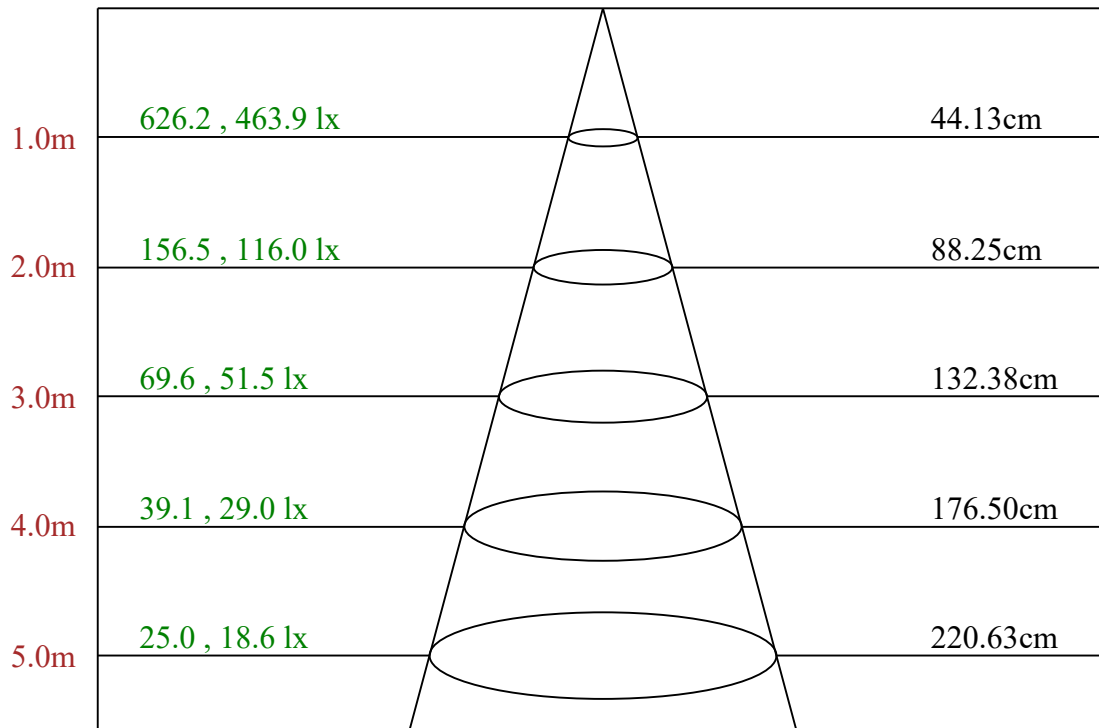
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	218.31	51.36%
0-40	292.42	68.79%
0-60	390.27	91.81%
0-90	425.07	100.00%
0-120	425.07	100.00%
0-180	425.07	100.00%
60-90	34.80	8.19%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-47.83	340.06	80.00%

ZONAL LUMEN SUMMARY

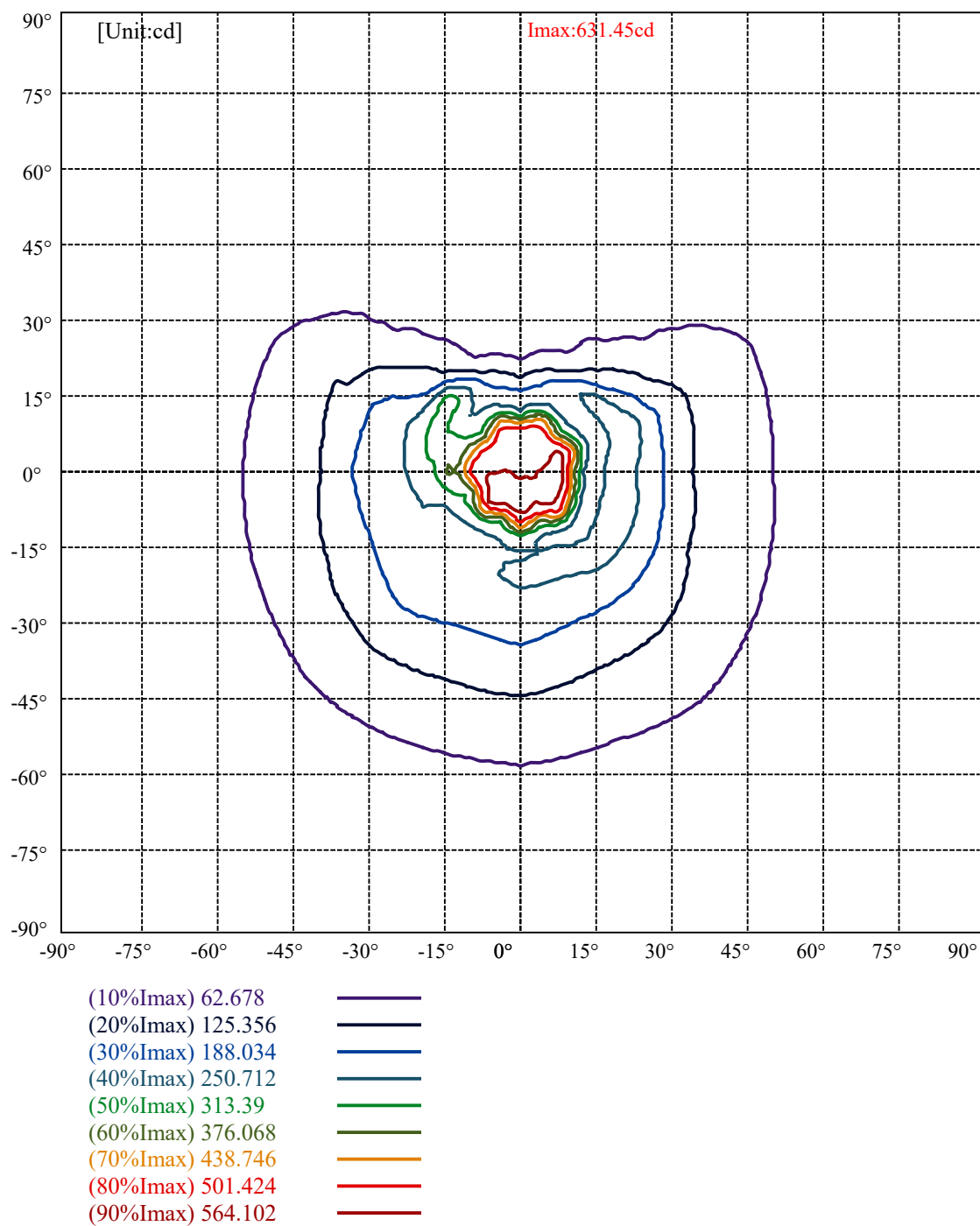
0-10	51.71
10-20	78.32
20-30	88.27
30-40	74.11
40-50	58.80
50-60	39.05
60-70	22.42
70-80	9.87
80-90	2.51
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

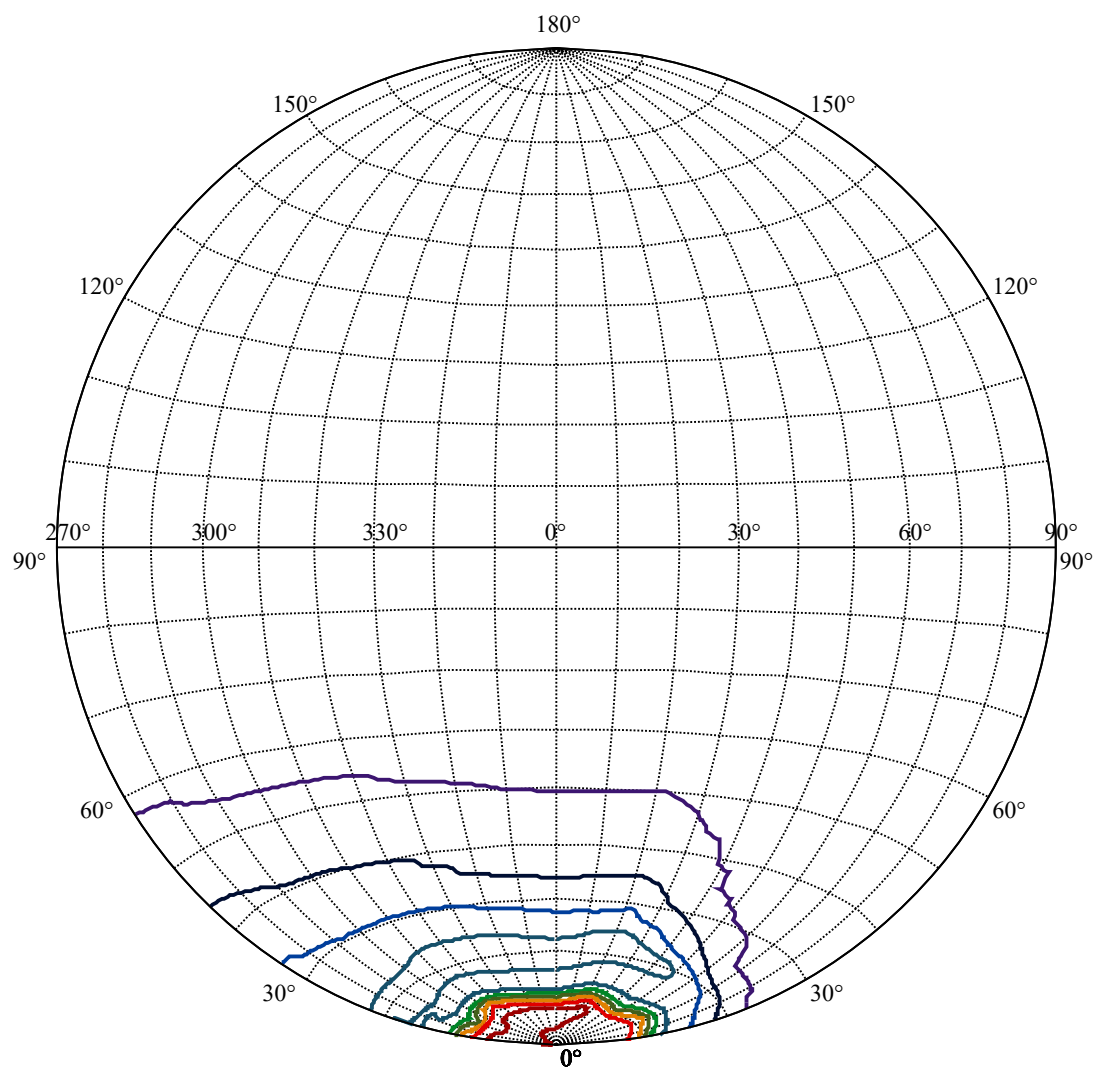




Max , Ave

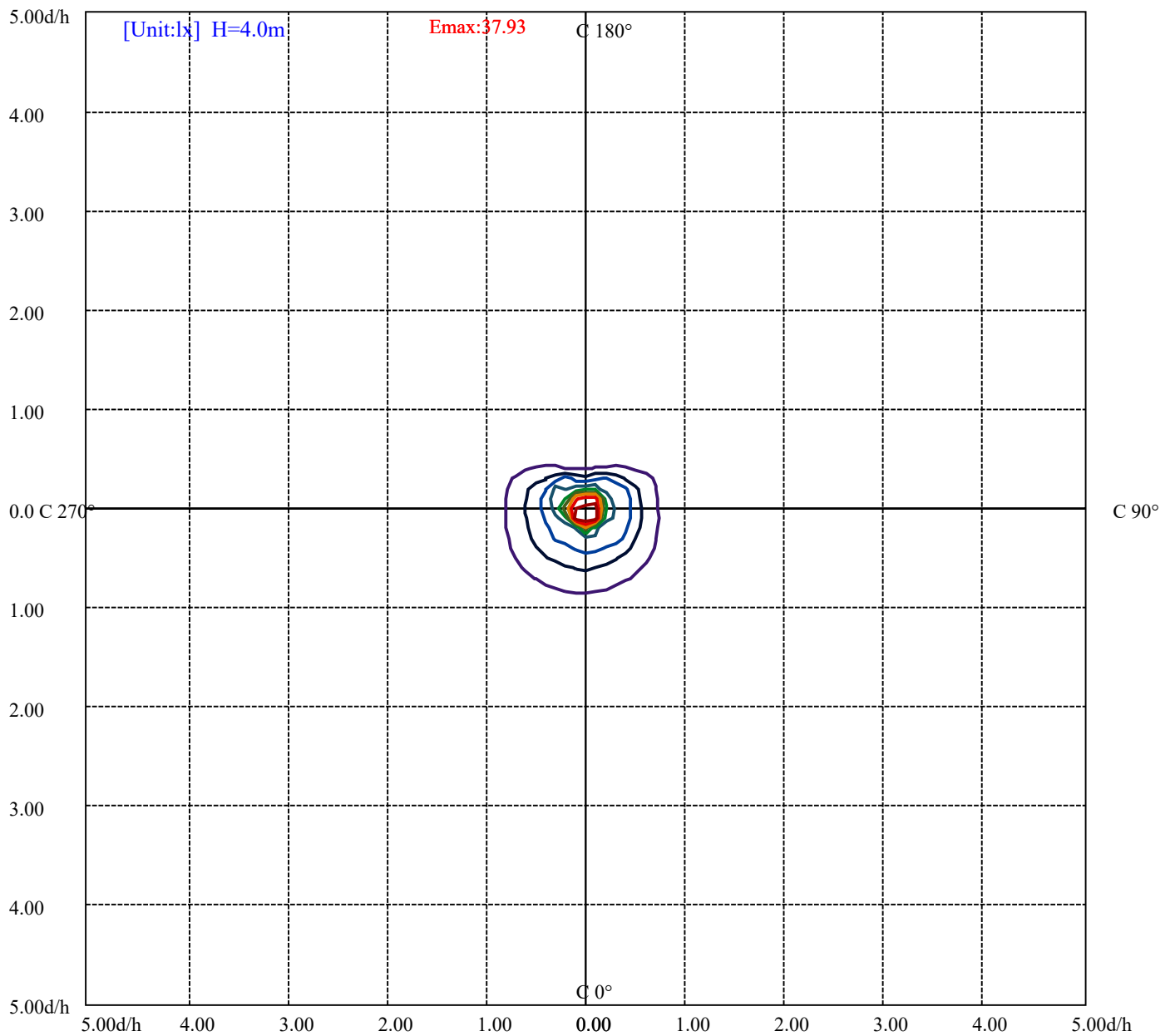
Beam angle of C247.5 plane 24.88



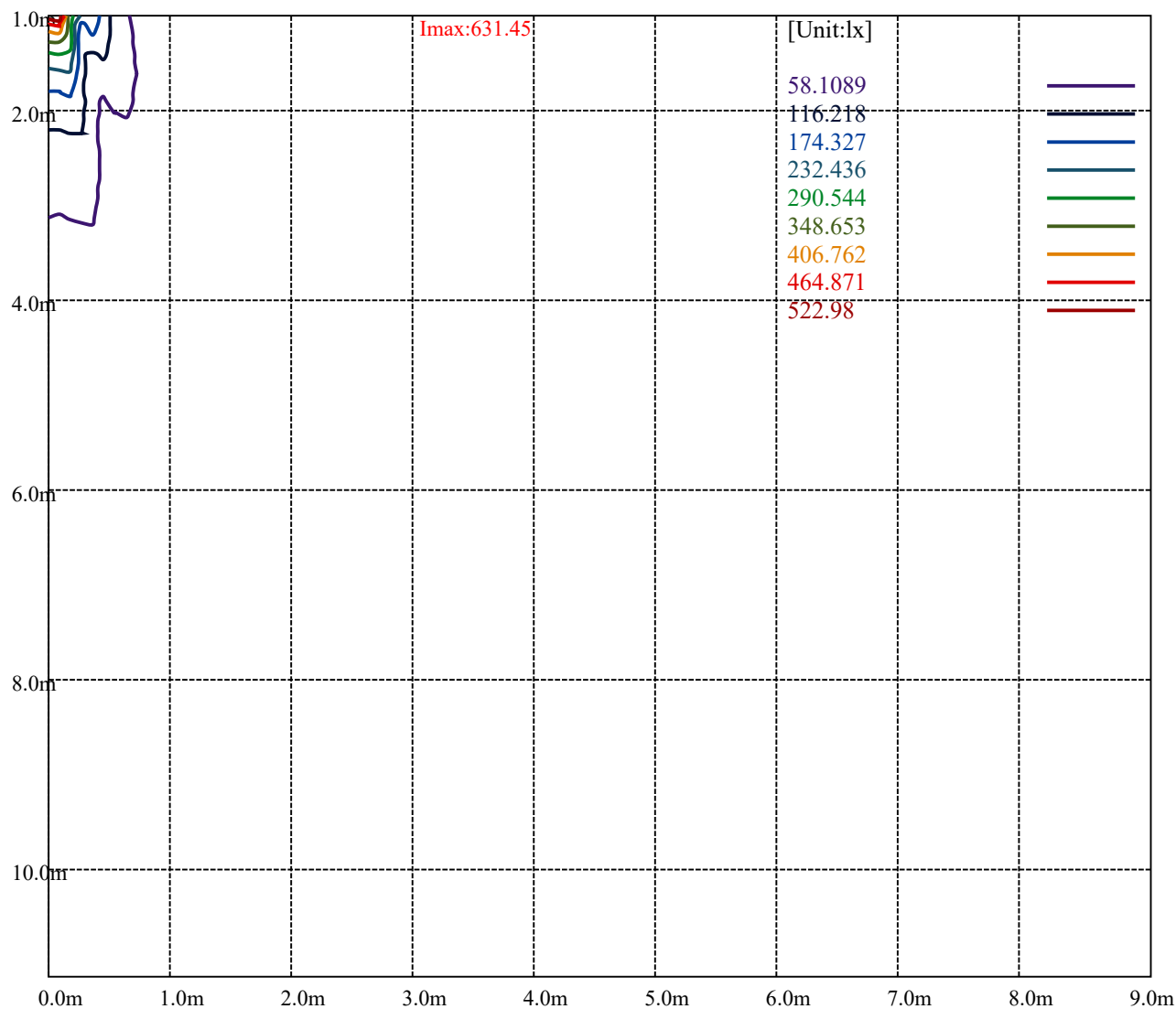


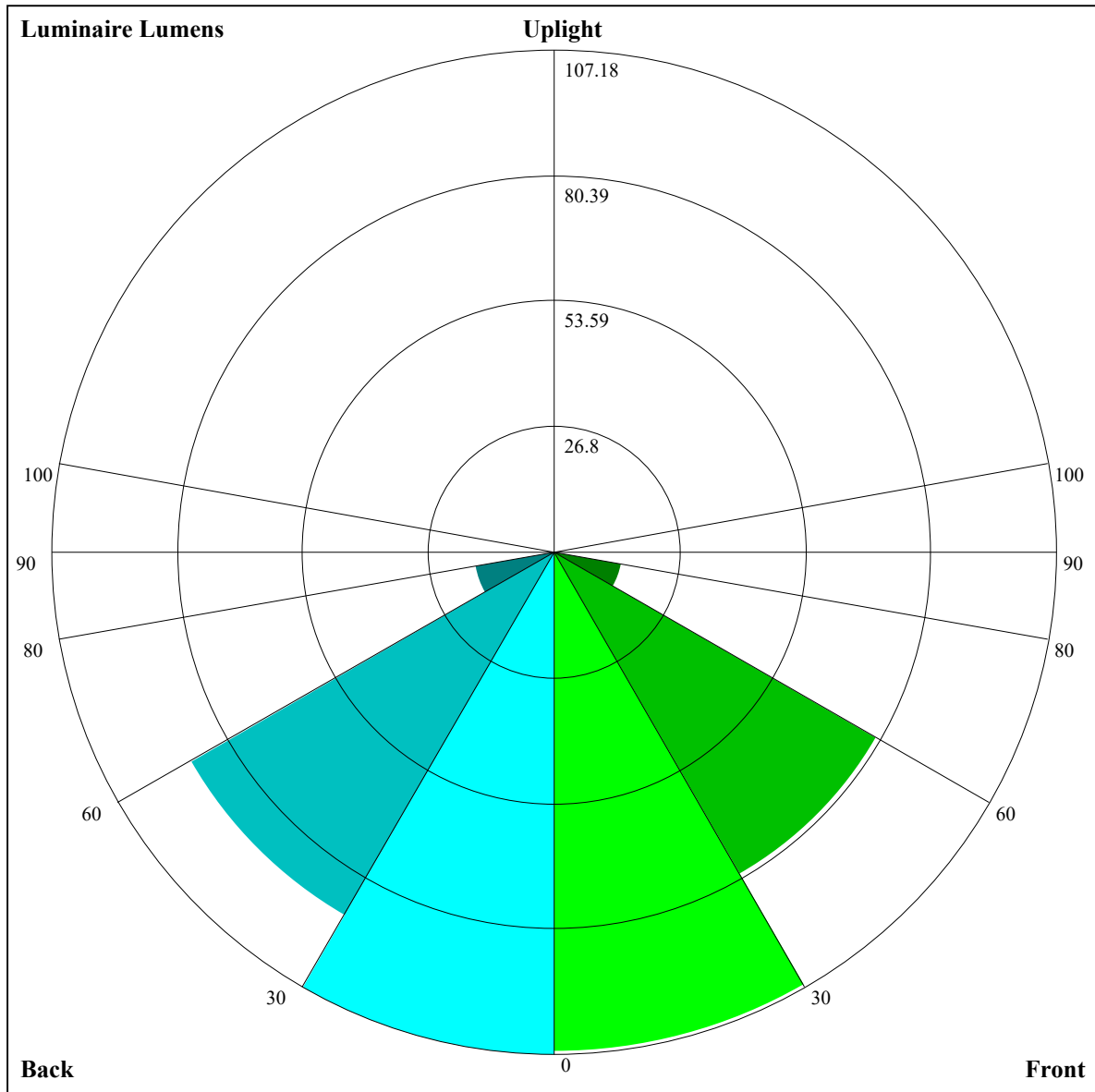
I_{max}:631.45
(10%I_{max}) 63.1105
(20%I_{max}) 126.221
(30%I_{max}) 189.331
(40%I_{max}) 252.442
(50%I_{max}) 315.552
(60%I_{max}) 378.663
(70%I_{max}) 441.773
(80%I_{max}) 504.884
(90%I_{max}) 567.994





(10%Emax) 3.792562	—
(20%Emax) 7.585125	—
(30%Emax) 11.37769	—
(40%Emax) 15.17025	—
(50%Emax) 18.96281	—
(60%Emax) 22.75537	—
(70%Emax) 26.54794	—
(80%Emax) 30.3405	—
(90%Emax) 34.13306	—





Luminaire Lumens:

FL=106.79,FM=79.3,FH=14.7,FVH=1.17

BL=107.18,BM=89.47,BH=17.42,BVH=1.2

UL=0,UH=0

BUG Rating:B0-U0-G0

TroyCSL Lighting B7112-TBZ

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	557.35	547.04	549.10	558.34	571.79	584.00	593.24	605.33	585.82		
22.5	557.35	548.41	541.34	539.97	544.53	551.83	559.82	571.22	577.95		
45.0	557.35	537.80	536.66	538.37	543.17	543.96	542.71	541.68	534.04		
67.5	557.35	549.10	540.54	538.37	536.21	537.46	536.66	537.35	534.27		
90.0	557.35	540.88	539.74	539.97	539.97	539.17	534.95	525.71	517.39		
112.5	557.35	557.42	547.61	545.45	545.10	545.10	544.53	542.59	536.55		
135.0	557.35	552.52	546.93	543.96	540.88	538.60	531.42	512.71	490.24		
157.5	557.35	565.18	565.07	558.22	550.69	544.76	541.00	534.15	523.32		
180.0	557.35	554.57	562.10	566.09	563.92	558.11	558.68	555.14	550.24		
202.5	557.35	574.08	581.60	583.09	582.17	591.30	591.98	561.87	523.32		
225.0	557.35	554.69	574.53	585.94	604.07	611.15	612.63	605.90	594.04		
247.5	557.35	587.99	614.91	622.44	630.77	631.45	615.25	559.70	511.91		
270.0	557.35	555.83	574.42	587.88	608.41	619.93	619.13	613.31	565.18		
292.5	557.35	578.64	590.73	593.58	592.44	588.33	584.68	551.15	542.82		
315.0	557.35	563.01	567.57	571.11	572.25	578.41	580.35	586.17	578.75		
337.5	557.35	559.48	558.68	563.81	571.91	576.70	579.78	585.82	585.48		
360.0	557.35	547.04	549.10	558.34	571.79	584.00	593.24	605.33	585.82		
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0		
0.0	525.71	403.89	349.49	265.08	222.08	208.16	204.97	239.30	269.64		
22.5	575.44	542.25	474.39	373.10	304.55	252.99	218.09	209.99	217.06		
45.0	480.43	387.01	331.35	277.17	251.17	232.57	216.60	225.05	239.87		
67.5	529.48	494.57	458.99	372.76	284.02	255.16	237.82	232.23	216.83		
90.0	477.81	401.73	301.35	249.80	234.74	220.48	198.24	184.44	158.55		
112.5	524.00	473.02	429.44	336.94	267.02	251.51	240.33	225.62	198.92		
135.0	430.24	357.70	303.75	273.75	268.85	253.45	250.71	270.90	287.44		
157.5	500.96	444.04	406.86	354.28	332.95	341.05	339.68	328.50	340.93		
180.0	533.70	493.32	434.81	389.18	375.95	386.79	362.72	340.25	302.04		
202.5	464.46	372.30	335.46	307.63	308.42	294.62	265.99	251.74	247.86		
225.0	543.39	477.24	433.44	329.75	273.07	257.32	243.52	230.29	221.97		
247.5	442.11	335.34	294.05	258.92	257.78	245.01	230.29	239.07	239.87		
270.0	536.55	497.88	450.55	345.50	283.10	272.15	272.04	237.02	245.92		
292.5	499.59	374.58	334.66	278.08	253.10	229.04	239.65	251.62	274.32		
315.0	563.24	543.96	507.46	416.78	299.87	265.54	227.21	200.86	220.71		
337.5	554.34	486.59	393.29	295.08	250.14	210.79	205.77	226.53	259.61		
360.0	525.71	403.89	349.49	265.08	222.08	208.16	204.97	239.30	269.64		
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0		
0.0	293.71	288.58	292.91	286.98	265.08	241.13	233.71	216.95	214.89		
22.5	231.77	262.91	291.32	295.99	300.78	285.04	272.72	249.11	236.11		
45.0	252.19	272.27	269.07	247.17	214.44	181.70	163.45	147.14	137.90		
67.5	208.39	196.99	166.87	130.03	96.50	82.12	74.71	60.91	56.57		
90.0	134.25	114.40	88.74	80.64	62.73	56.12	54.29	49.73	46.31		
112.5	191.97	181.70	154.21	119.65	87.83	73.00	62.28	55.21	47.56		
135.0	327.70	340.48	325.42	301.12	242.38	189.12	155.01	143.72	140.98		
157.5	339.79	346.64	302.27	287.44	280.71	259.95	250.82	236.00	222.88		
180.0	300.55	282.65	266.34	261.43	252.65	247.63	230.29	225.62	219.68		
202.5	247.52	245.80	249.57	240.10	237.14	229.84	225.84	221.62	214.10		
225.0	226.53	232.46	234.85	232.12	230.52	234.51	234.17	232.35	223.45		
247.5	243.64	240.56	238.73	237.25	232.00	232.00	215.92	211.02	206.45		
270.0	258.81	255.27	268.96	262.34	255.04	249.91	245.69	230.41	223.68		
292.5	283.45	286.52	276.49	267.13	255.16	232.00	230.63	217.06	213.75		
315.0	246.37	265.08	287.89	293.82	286.18	271.92	260.06	240.56	230.41		
337.5	281.16	293.82	294.62	293.03	281.39	267.25	254.02	240.67	234.74		
360.0	293.71	288.58	292.91	286.98	265.08	241.13	233.71	216.95	214.89		

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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	204.40	186.49	167.44	157.29	144.97	139.16	134.48	121.36	118.28		
22.5	207.02	194.93	189.91	171.89	157.18	152.27	145.54	139.50	127.29		
45.0	126.95	112.81	103.80	90.11	83.38	79.62	73.57	66.16	59.88		
67.5	52.24	50.99	48.25	37.53	28.97	22.36	18.82	16.77	14.14		
90.0	45.97	36.73	31.14	23.84	19.16	17.22	14.37	12.43	9.92		
112.5	43.34	40.38	38.44	31.25	22.58	18.25	17.57	16.65	14.49		
135.0	131.74	122.62	115.89	104.14	97.41	89.08	83.95	81.55	73.91		
157.5	216.38	217.29	212.38	197.67	190.71	185.35	176.00	165.28	157.41		
180.0	212.95	211.36	206.22	202.80	199.38	191.97	188.66	176.57	166.53		
202.5	209.99	212.73	210.56	205.65	193.91	186.26	174.17	165.28	156.61		
225.0	220.37	216.15	216.38	218.32	222.54	210.45	200.18	196.19	183.53		
247.5	202.69	206.34	207.48	200.07	194.82	190.71	179.08	174.17	166.76		
270.0	215.58	213.07	214.89	212.73	204.40	198.47	193.91	187.52	171.55		
292.5	218.09	212.73	206.00	194.02	187.52	179.31	171.55	165.50	156.84		
315.0	229.38	222.88	219.68	202.57	185.69	181.82	174.52	165.28	159.57		
337.5	227.33	207.94	192.42	182.50	178.85	172.92	156.95	145.09	130.83		
360.0	204.40	186.49	167.44	157.29	144.97	139.16	134.48	121.36	118.28		
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0		
0.0	115.55	114.75	108.13	103.68	100.26	94.22	90.11	88.17	85.43		
22.5	118.05	113.83	112.92	112.01	107.22	101.52	98.21	92.39	88.97		
45.0	58.17	57.60	54.98	50.53	47.45	44.60	43.23	41.18	39.58		
67.5	10.84	9.70	8.33	7.41	6.96	6.62	6.39	5.70	5.25		
90.0	9.81	9.24	7.41	6.27	5.93	5.25	5.13	4.90	4.56		
112.5	13.35	12.20	10.27	7.41	6.73	6.27	5.93	5.36	5.13		
135.0	65.47	62.39	61.94	58.97	54.07	52.01	51.21	47.45	44.14		
157.5	144.75	133.22	125.13	128.43	125.01	118.85	118.97	116.34	108.02		
180.0	156.49	136.08	126.27	125.24	122.39	119.88	118.17	113.15	111.55		
202.5	147.03	144.52	139.38	134.94	130.15	125.70	123.19	114.75	104.48		
225.0	168.81	166.19	159.80	154.33	147.37	144.29	142.46	130.83	125.92		
247.5	159.00	158.55	155.35	145.32	140.98	134.14	130.49	122.85	116.91		
270.0	156.38	153.87	146.34	139.84	144.29	138.93	133.91	132.31	123.19		
292.5	152.05	147.60	143.49	138.02	128.66	125.24	121.36	111.32	107.45		
315.0	147.71	142.69	139.95	133.80	128.78	122.73	120.45	116.46	108.47		
337.5	123.30	122.73	117.48	115.55	114.40	109.04	106.42	102.09	99.46		
360.0	115.55	114.75	108.13	103.68	100.26	94.22	90.11	88.17	85.43		
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0		
0.0	83.04	78.47	74.82	68.44	63.30	60.91	56.23	51.33	49.50		
22.5	86.23	79.96	76.99	72.43	67.98	63.19	58.51	54.07	50.87		
45.0	36.39	33.76	31.71	30.11	27.95	26.92	24.98	23.72	22.24		
67.5	5.02	4.68	4.33	4.11	3.99	3.88	3.65	3.54	3.31		
90.0	4.22	3.88	3.76	3.54	3.42	3.31	3.19	3.08	2.97		
112.5	4.90	4.33	4.11	3.99	3.76	3.65	3.54	3.42	3.31		
135.0	41.86	39.58	38.32	35.93	34.45	32.39	30.34	29.31	27.15		
157.5	102.43	94.79	87.94	80.87	75.40	73.11	68.78	63.99	62.28		
180.0	105.51	99.69	96.04	91.14	85.89	80.76	76.19	74.03	68.78		
202.5	100.83	96.38	92.16	87.03	82.92	80.53	77.56	74.25	70.95		
225.0	119.42	113.72	108.82	105.96	100.15	96.15	88.63	83.15	77.79		
247.5	112.24	104.94	101.97	97.98	90.00	87.60	83.15	79.05	74.82		
270.0	119.08	115.55	110.18	101.97	95.81	92.96	88.28	83.72	79.50		
292.5	103.80	96.72	94.79	91.14	88.40	84.41	77.90	74.03	69.46		
315.0	106.88	103.68	95.47	89.54	85.77	84.06	77.79	73.23	70.26		
337.5	94.22	88.06	85.09	80.98	72.09	69.81	65.13	62.73	57.15		
360.0	83.04	78.47	74.82	68.44	63.30	60.91	56.23	51.33	49.50		

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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	46.20	42.55	39.35	35.82	34.22	31.94	29.77	27.72	25.32	
22.5	47.45	45.51	42.09	39.01	36.27	33.88	32.39	29.77	27.49	
45.0	20.53	19.85	17.68	16.20	15.51	14.37	13.35	12.20	11.29	
67.5	3.19	3.19	2.97	2.85	2.74	2.74	2.62	2.51	2.51	
90.0	2.85	2.74	2.74	2.62	2.51	2.40	2.40	2.40	2.17	
112.5	3.08	2.97	2.85	2.85	2.74	2.62	2.62	2.51	2.40	
135.0	25.09	24.07	22.58	21.10	19.73	17.79	17.22	16.08	15.28	
157.5	58.86	55.43	52.35	48.93	46.65	41.40	37.18	33.08	30.80	
180.0	63.42	61.14	57.37	53.27	49.85	45.85	43.91	39.81	37.07	
202.5	64.79	59.77	55.66	49.27	45.97	40.72	36.39	34.45	34.10	
225.0	72.20	67.98	60.45	55.09	51.44	50.64	51.10	49.27	46.20	
247.5	70.15	68.10	64.10	58.40	54.29	46.99	41.06	38.55	39.01	
270.0	74.82	73.11	68.10	63.65	61.59	58.63	53.95	48.48	43.12	
292.5	64.79	62.28	58.74	55.78	52.58	48.59	46.54	42.89	39.92	
315.0	65.47	61.37	57.60	54.18	52.24	47.56	44.60	41.40	38.32	
337.5	52.81	50.30	46.54	43.23	40.26	37.30	35.47	32.74	29.88	
360.0	46.20	42.55	39.35	35.82	34.22	31.94	29.77	27.72	25.32	
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	
0.0	23.61	22.01	20.07	19.16	17.34	15.63	14.37	13.00	12.32	
22.5	25.55	23.50	22.01	21.33	18.82	17.79	16.20	14.83	13.46	
45.0	10.84	10.27	9.47	8.67	7.87	7.53	6.84	6.27	5.82	
67.5	2.40	2.28	2.17	2.05	2.05	2.05	1.94	1.82	1.71	
90.0	2.17	2.05	2.05	1.94	1.82	1.82	1.82	1.71	1.60	
112.5	2.40	2.28	2.17	2.05	2.05	2.05	1.82	1.82	1.82	
135.0	14.60	13.69	12.89	11.98	10.72	10.27	9.58	8.67	7.64	
157.5	30.00	28.29	26.35	24.52	22.47	20.87	19.28	18.02	17.11	
180.0	35.25	33.42	32.39	29.77	27.15	25.55	21.56	19.05	15.74	
202.5	34.10	33.42	32.17	29.54	27.26	26.23	23.50	20.53	19.39	
225.0	44.37	41.40	39.47	37.07	34.33	32.62	29.54	28.06	25.66	
247.5	39.47	38.55	36.84	34.45	31.14	30.00	28.40	25.89	23.50	
270.0	39.24	35.93	37.53	38.21	37.07	35.47	31.14	29.43	28.29	
292.5	37.07	35.13	33.99	31.25	28.17	26.69	24.75	23.15	20.76	
315.0	36.39	32.96	31.14	29.77	27.26	25.44	23.04	20.99	20.30	
337.5	28.06	25.89	24.07	22.01	19.85	18.93	17.22	16.20	14.94	
360.0	23.61	22.01	20.07	19.16	17.34	15.63	14.37	13.00	12.32	
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	
0.0	10.95	10.04	8.67	7.41	6.73	4.79	3.65	3.31	2.85	
22.5	12.55	11.98	10.49	9.47	8.10	6.96	5.59	4.33	3.54	
45.0	5.36	4.79	4.33	3.76	3.65	3.08	2.62	2.28	1.94	
67.5	1.71	1.60	1.71	1.60	1.48	1.48	1.48	1.37	1.37	
90.0	1.60	1.48	1.48	1.48	1.37	1.37	1.37	1.25	1.25	
112.5	1.71	1.71	1.71	1.60	1.48	1.48	1.48	1.48	1.37	
135.0	6.84	6.50	5.82	5.13	4.33	3.65	3.19	2.40	2.05	
157.5	15.17	13.92	12.89	11.29	10.61	8.67	7.07	5.47	4.22	
180.0	14.83	15.06	14.49	13.00	11.18	9.47	8.55	6.50	4.33	
202.5	17.57	15.97	14.03	11.52	10.38	8.21	6.27	4.79	3.99	
225.0	22.93	20.53	18.93	16.88	15.51	12.43	10.15	7.64	5.59	
247.5	20.65	19.39	17.34	13.35	11.86	9.47	6.84	5.25	4.45	
270.0	24.52	22.13	19.85	17.68	16.42	13.12	10.72	7.98	5.59	
292.5	18.14	16.65	14.83	12.43	10.49	7.98	5.82	4.79	4.11	
315.0	18.59	16.42	14.49	13.12	12.20	10.04	8.44	6.62	4.90	
337.5	13.00	12.32	10.84	9.35	8.10	6.27	4.90	4.22	3.54	
360.0	10.95	10.04	8.67	7.41	6.73	4.79	3.65	3.31	2.85	

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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	2.62	2.40	2.28	2.17	2.17	1.94	1.82	1.60	1.71		
22.5	3.19	2.62	2.40	2.40	2.28	2.17	1.94	1.82	1.71		
45.0	1.94	1.82	1.71	1.71	1.60	1.48	1.37	1.48	1.37		
67.5	1.37	1.37	1.25	1.25	1.25	1.25	1.25	1.25	1.25		
90.0	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.14		
112.5	1.25	1.37	1.25	1.25	1.25	1.25	1.14	1.25	1.25		
135.0	1.94	1.82	1.60	1.60	1.60	1.48	1.48	1.37	1.37		
157.5	3.42	2.85	2.51	2.28	2.05	2.05	1.94	1.82	1.82		
180.0	3.88	3.19	2.62	2.28	2.17	2.05	1.94	1.94	1.82		
202.5	3.54	3.08	2.62	2.62	2.51	2.40	2.40	2.17	2.05		
225.0	5.02	4.22	3.65	3.42	3.08	2.97	2.85	2.74	2.62		
247.5	4.22	3.76	3.31	3.08	3.08	2.97	2.85	2.62	2.62		
270.0	5.13	4.33	3.76	3.54	3.31	3.19	3.19	2.97	2.85		
292.5	3.88	3.54	3.42	3.19	3.19	3.08	2.74	2.62	2.62		
315.0	4.22	3.76	3.42	3.31	3.19	3.19	2.97	2.62	2.62		
337.5	3.31	3.08	3.08	2.85	2.74	2.62	2.40	2.28	2.17		
360.0	2.62	2.40	2.28	2.17	2.17	1.94	1.82	1.60	1.71		
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		

Equipment: GMS1800
Temperature(°C): 25.0

Date: 2022/3/2
Humidity(%): 59.0%

Operator: 01
Distance(m): 10.68

TroyCSL Lighting B7112-TBZ

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 B7112-TBZ

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 B7112-TBZ

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										