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TroyCSL Lighting

Client:

LumCAT: F1125-WZN

Luminaire:

Report No: BSR202203100101-9

Ballast type:

Test No: BSR202203100101-9

Voltage(V): 120.000

LampCAT: A21 100W

Current(A): 1.111

Lamp flux(lm): -1.0

Power (W): 133.400

Number of Lamps: 1

PF: 1.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 323.73, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 2.43

Central intensity(cd): 190.128, Maximum intensity(cd): 196.187

Angle of maximum intensity: C=135.0 γ =9.0

Beam Angle(50%Imax): [C0/180]Total=86.7

[C90/270]Total=86.5

Field angle(10%Imax): [C0/180]Total=90.9

[C90/270]Total=91.7

Maximum s/h(1/2): C0_180=1.39 C90_270=1.40

Maximum s/h(1/4): C0_180=64.13 C90_270=56.88

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.393%

Equipment: GMS1800
Temperature(°C): 25.0

Date: 2022/3/10
Humidity(%): 59.0%

Operator: 01
Distance(m): 10.68

TroyCSL Lighting F1125-WZN

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	190.128	0.000	0	0.00%	0.00%
1.0	189.921	0.182	0.182	0.00%	0.06%
2.0	189.643	0.545	0.727	0.00%	0.22%
3.0	188.987	0.906	1.632	0.00%	0.50%
4.0	188.317	1.263	2.895	0.00%	0.89%
5.0	188.089	1.619	4.514	0.00%	1.39%
6.0	187.782	1.975	6.49	0.00%	2.00%
7.0	187.975	2.332	8.822	0.00%	2.73%
8.0	188.281	2.693	11.515	0.00%	3.56%
9.0	188.638	3.055	14.57	0.00%	4.50%
10.0	188.716	3.415	17.984	0.00%	5.56%
11.0	188.567	3.770	21.754	0.00%	6.72%
12.0	188.117	4.118	25.872	0.00%	7.99%
13.0	187.148	4.453	30.325	0.00%	9.37%
14.0	186.271	4.780	35.105	0.00%	10.84%
15.0	185.565	5.105	40.21	0.00%	12.42%
16.0	184.646	5.425	45.635	0.00%	14.10%
17.0	184.161	5.743	51.378	0.00%	15.87%
18.0	183.690	6.065	57.443	0.00%	17.74%
19.0	183.519	6.389	63.832	0.00%	19.72%
20.0	183.448	6.717	70.548	0.00%	21.79%
21.0	183.441	7.045	77.593	0.00%	23.97%
22.0	183.377	7.371	84.965	0.00%	26.25%
23.0	183.398	7.696	92.66	0.00%	28.62%
24.0	183.277	8.017	100.677	0.00%	31.10%
25.0	183.127	8.331	109.008	0.00%	33.67%
26.0	182.814	8.638	117.647	0.00%	36.34%
27.0	182.151	8.929	126.575	0.00%	39.10%
28.0	176.725	9.086	135.661	0.00%	41.91%
29.0	166.096	8.969	144.631	0.00%	44.68%
30.0	165.726	8.959	153.59	0.00%	47.44%
31.0	156.522	8.968	162.557	0.00%	50.21%
32.0	154.448	8.909	171.466	0.00%	52.97%
33.0	164.678	9.402	180.868	0.00%	55.87%
34.0	160.044	9.827	190.695	0.00%	58.91%
35.0	160.678	9.960	200.655	0.00%	61.98%
36.0	158.647	10.167	210.823	0.00%	65.12%
37.0	159.737	10.384	221.207	0.00%	68.33%

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

Date: 2022/3/10
Humidity(%): 59.0%

Operator: 01
Distance(m): 10.68

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	160.236	10.680	231.887	0.00%	71.63%
39.0	151.404	10.637	242.524	0.00%	74.92%
40.0	128.377	9.758	252.282	0.00%	77.93%
41.0	123.130	8.956	261.238	0.00%	80.70%
42.0	95.534	7.944	269.182	0.00%	83.15%
43.0	87.785	6.791	275.973	0.00%	85.25%
44.0	74.005	6.106	282.079	0.00%	87.14%
45.0	52.790	4.873	286.952	0.00%	88.64%
46.0	40.735	3.658	290.61	0.00%	89.77%
47.0	27.525	2.715	293.325	0.00%	90.61%
48.0	19.719	1.910	295.235	0.00%	91.20%
49.0	17.288	1.520	296.754	0.00%	91.67%
50.0	15.691	1.375	298.129	0.00%	92.09%
51.0	15.270	1.310	299.439	0.00%	92.50%
52.0	14.743	1.288	300.727	0.00%	92.90%
53.0	14.236	1.261	301.988	0.00%	93.29%
54.0	13.859	1.238	303.226	0.00%	93.67%
55.0	13.324	1.213	304.439	0.00%	94.04%
56.0	12.939	1.187	305.626	0.00%	94.41%
57.0	12.468	1.162	306.788	0.00%	94.77%
58.0	11.941	1.129	307.916	0.00%	95.12%
59.0	11.378	1.090	309.007	0.00%	95.45%
60.0	10.665	1.041	310.048	0.00%	95.77%
61.0	10.116	0.992	311.04	0.00%	96.08%
62.0	9.524	0.946	311.986	0.00%	96.37%
63.0	8.719	0.887	312.873	0.00%	96.65%
64.0	8.191	0.830	313.703	0.00%	96.90%
65.0	7.614	0.782	314.485	0.00%	97.15%
66.0	7.065	0.732	315.218	0.00%	97.37%
67.0	6.623	0.688	315.906	0.00%	97.58%
68.0	6.024	0.641	316.546	0.00%	97.78%
69.0	5.653	0.596	317.142	0.00%	97.97%
70.0	5.304	0.563	317.705	0.00%	98.14%
71.0	4.876	0.526	318.231	0.00%	98.30%
72.0	4.612	0.493	318.724	0.00%	98.46%
73.0	4.242	0.463	319.187	0.00%	98.60%
74.0	3.999	0.433	319.621	0.00%	98.73%
75.0	3.764	0.410	320.031	0.00%	98.86%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.493	0.385	320.416	0.00%	98.98%
77.0	3.279	0.361	320.777	0.00%	99.09%
78.0	3.073	0.340	321.117	0.00%	99.19%
79.0	2.866	0.319	321.436	0.00%	99.29%
80.0	2.709	0.301	321.737	0.00%	99.39%
81.0	2.488	0.281	322.018	0.00%	99.47%
82.0	2.345	0.262	322.28	0.00%	99.55%
83.0	2.181	0.246	322.526	0.00%	99.63%
84.0	2.010	0.228	322.754	0.00%	99.70%
85.0	1.839	0.210	322.965	0.00%	99.76%
86.0	1.697	0.193	323.158	0.00%	99.82%
87.0	1.568	0.179	323.337	0.00%	99.88%
88.0	1.447	0.165	323.502	0.00%	99.93%
89.0	1.319	0.152	323.653	0.00%	99.98%
90.0	0.000	0.072	323.726	0.00%	100.00%
91.0	0.000	0.000	323.726	0.00%	100.00%
92.0	0.000	0.000	323.726	0.00%	100.00%
93.0	0.000	0.000	323.726	0.00%	100.00%
94.0	0.000	0.000	323.726	0.00%	100.00%
95.0	0.000	0.000	323.726	0.00%	100.00%
96.0	0.000	0.000	323.726	0.00%	100.00%
97.0	0.000	0.000	323.726	0.00%	100.00%
98.0	0.000	0.000	323.726	0.00%	100.00%
99.0	0.000	0.000	323.726	0.00%	100.00%
100.0	0.000	0.000	323.726	0.00%	100.00%
101.0	0.000	0.000	323.726	0.00%	100.00%
102.0	0.000	0.000	323.726	0.00%	100.00%
103.0	0.000	0.000	323.726	0.00%	100.00%
104.0	0.000	0.000	323.726	0.00%	100.00%
105.0	0.000	0.000	323.726	0.00%	100.00%
106.0	0.000	0.000	323.726	0.00%	100.00%
107.0	0.000	0.000	323.726	0.00%	100.00%
108.0	0.000	0.000	323.726	0.00%	100.00%
109.0	0.000	0.000	323.726	0.00%	100.00%
110.0	0.000	0.000	323.726	0.00%	100.00%
111.0	0.000	0.000	323.726	0.00%	100.00%
112.0	0.000	0.000	323.726	0.00%	100.00%
113.0	0.000	0.000	323.726	0.00%	100.00%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	323.726	0.00%	100.00%
115.0	0.000	0.000	323.726	0.00%	100.00%
116.0	0.000	0.000	323.726	0.00%	100.00%
117.0	0.000	0.000	323.726	0.00%	100.00%
118.0	0.000	0.000	323.726	0.00%	100.00%
119.0	0.000	0.000	323.726	0.00%	100.00%
120.0	0.000	0.000	323.726	0.00%	100.00%
121.0	0.000	0.000	323.726	0.00%	100.00%
122.0	0.000	0.000	323.726	0.00%	100.00%
123.0	0.000	0.000	323.726	0.00%	100.00%
124.0	0.000	0.000	323.726	0.00%	100.00%
125.0	0.000	0.000	323.726	0.00%	100.00%
126.0	0.000	0.000	323.726	0.00%	100.00%
127.0	0.000	0.000	323.726	0.00%	100.00%
128.0	0.000	0.000	323.726	0.00%	100.00%
129.0	0.000	0.000	323.726	0.00%	100.00%
130.0	0.000	0.000	323.726	0.00%	100.00%
131.0	0.000	0.000	323.726	0.00%	100.00%
132.0	0.000	0.000	323.726	0.00%	100.00%
133.0	0.000	0.000	323.726	0.00%	100.00%
134.0	0.000	0.000	323.726	0.00%	100.00%
135.0	0.000	0.000	323.726	0.00%	100.00%
136.0	0.000	0.000	323.726	0.00%	100.00%
137.0	0.000	0.000	323.726	0.00%	100.00%
138.0	0.000	0.000	323.726	0.00%	100.00%
139.0	0.000	0.000	323.726	0.00%	100.00%
140.0	0.000	0.000	323.726	0.00%	100.00%
141.0	0.000	0.000	323.726	0.00%	100.00%
142.0	0.000	0.000	323.726	0.00%	100.00%
143.0	0.000	0.000	323.726	0.00%	100.00%
144.0	0.000	0.000	323.726	0.00%	100.00%
145.0	0.000	0.000	323.726	0.00%	100.00%
146.0	0.000	0.000	323.726	0.00%	100.00%
147.0	0.000	0.000	323.726	0.00%	100.00%
148.0	0.000	0.000	323.726	0.00%	100.00%
149.0	0.000	0.000	323.726	0.00%	100.00%
150.0	0.000	0.000	323.726	0.00%	100.00%
151.0	0.000	0.000	323.726	0.00%	100.00%

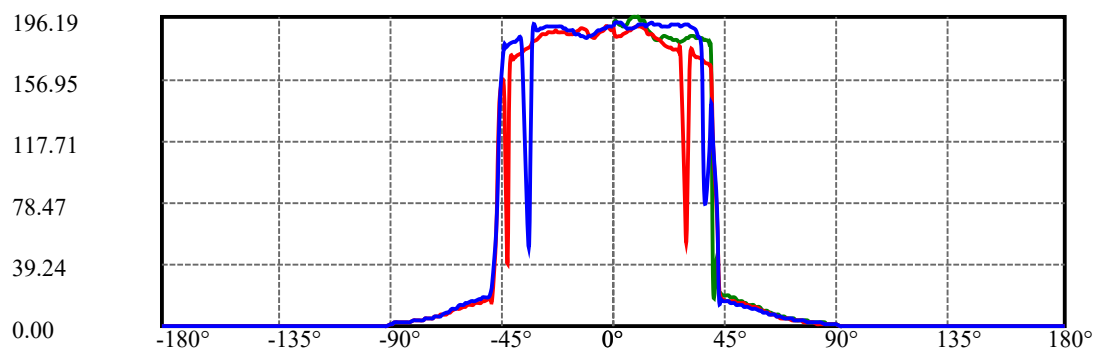
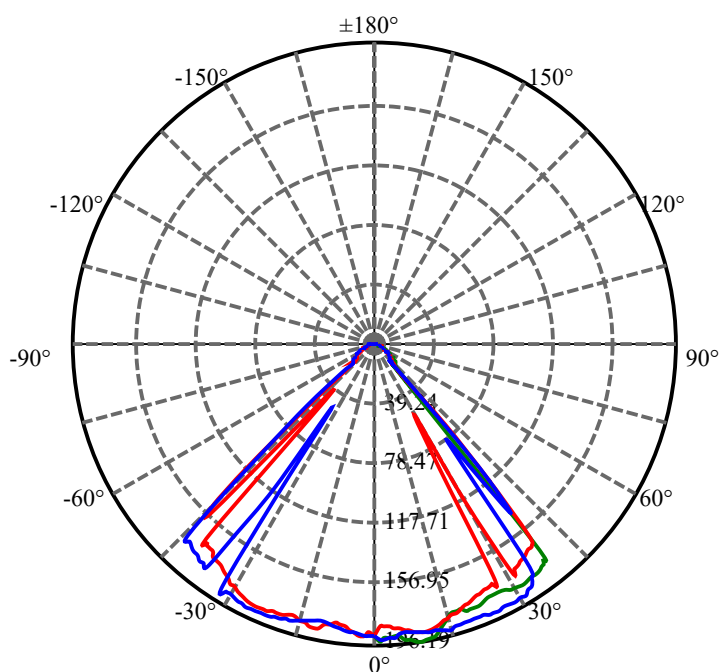
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	323.726	0.00%	100.00%
153.0	0.000	0.000	323.726	0.00%	100.00%
154.0	0.000	0.000	323.726	0.00%	100.00%
155.0	0.000	0.000	323.726	0.00%	100.00%
156.0	0.000	0.000	323.726	0.00%	100.00%
157.0	0.000	0.000	323.726	0.00%	100.00%
158.0	0.000	0.000	323.726	0.00%	100.00%
159.0	0.000	0.000	323.726	0.00%	100.00%
160.0	0.000	0.000	323.726	0.00%	100.00%
161.0	0.000	0.000	323.726	0.00%	100.00%
162.0	0.000	0.000	323.726	0.00%	100.00%
163.0	0.000	0.000	323.726	0.00%	100.00%
164.0	0.000	0.000	323.726	0.00%	100.00%
165.0	0.000	0.000	323.726	0.00%	100.00%
166.0	0.000	0.000	323.726	0.00%	100.00%
167.0	0.000	0.000	323.726	0.00%	100.00%
168.0	0.000	0.000	323.726	0.00%	100.00%
169.0	0.000	0.000	323.726	0.00%	100.00%
170.0	0.000	0.000	323.726	0.00%	100.00%
171.0	0.000	0.000	323.726	0.00%	100.00%
172.0	0.000	0.000	323.726	0.00%	100.00%
173.0	0.000	0.000	323.726	0.00%	100.00%
174.0	0.000	0.000	323.726	0.00%	100.00%
175.0	0.000	0.000	323.726	0.00%	100.00%
176.0	0.000	0.000	323.726	0.00%	100.00%
177.0	0.000	0.000	323.726	0.00%	100.00%
178.0	0.000	0.000	323.726	0.00%	100.00%
179.0	0.000	0.000	323.726	0.00%	100.00%
180.0	0.000	0.000	323.726	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	153.59	N.A.	47.44%
0-40	252.28	N.A.	77.93%
0-60	310.05	N.A.	95.77%
0-90	323.73	N.A.	100.00%
0-120	323.73	N.A.	100.00%
0-180	323.73	N.A.	100.00%
60-90	13.68	N.A.	4.23%
90-120	0.00	N.A.	0.00%
90-130	0.00	N.A.	0.00%
90-150	0.00	N.A.	0.00%
90-180	0.00	N.A.	0.00%
0-40.75	258.98	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	17.98
10-20	52.56
20-30	83.04
30-40	98.69
40-50	45.85
50-60	11.92
60-70	7.66
70-80	4.03
80-90	1.99
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



C135(Max):

C0/C180:

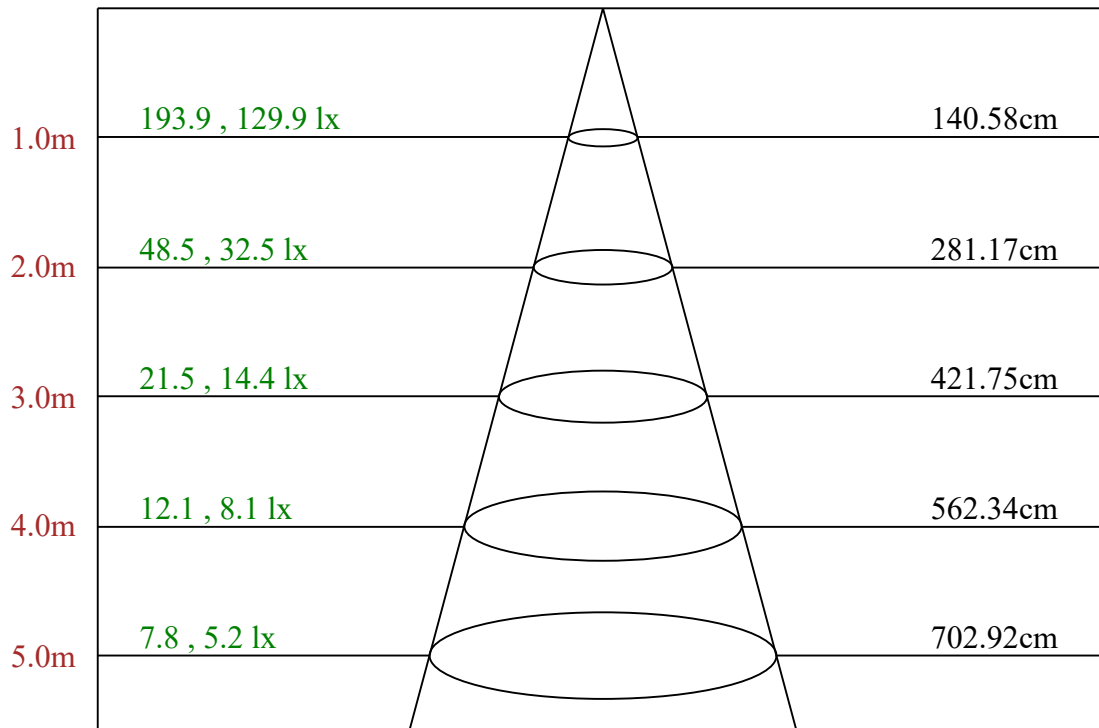
C90/C270:

Field angle(10%Imax):C0/180Left:61.3 Right:31.3

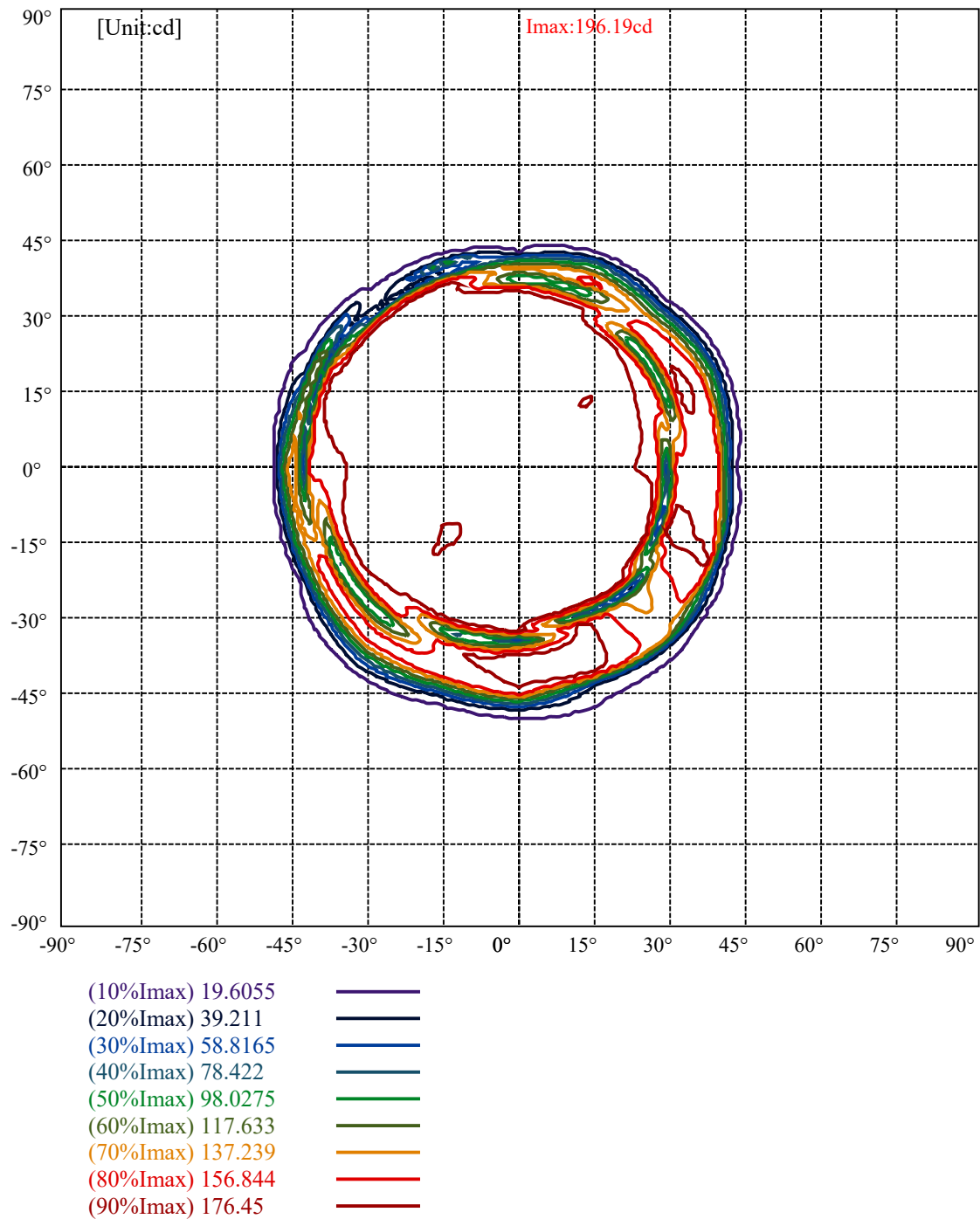
:C90/270Left:84.3 Right:10.3

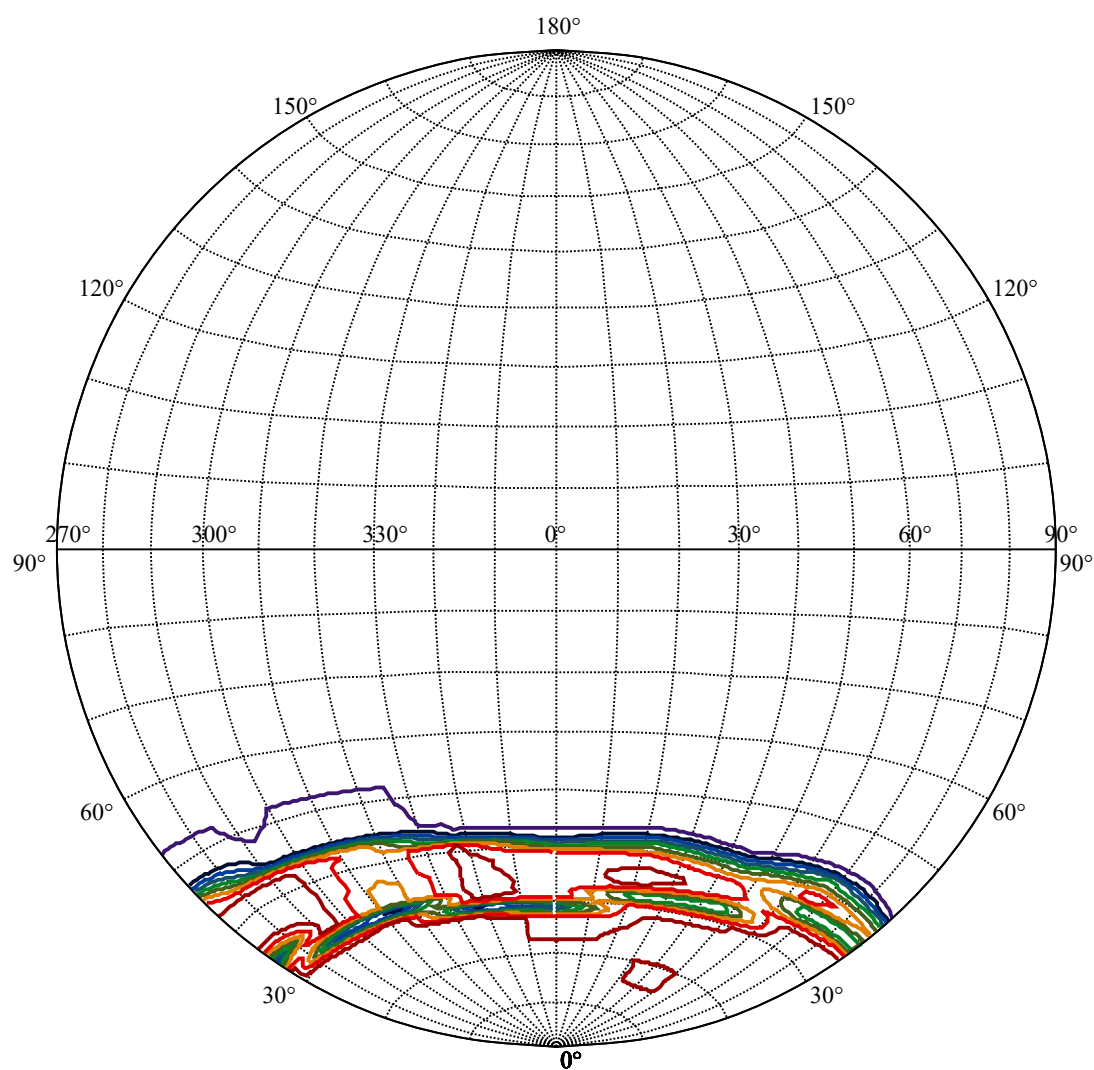
Beam Angle(50%Imax):C0/180Left:58.3 Right:28.4

:C90/270Left:78.1 Right:8.5



Max , Ave Beam angle of C135 plane 70.21





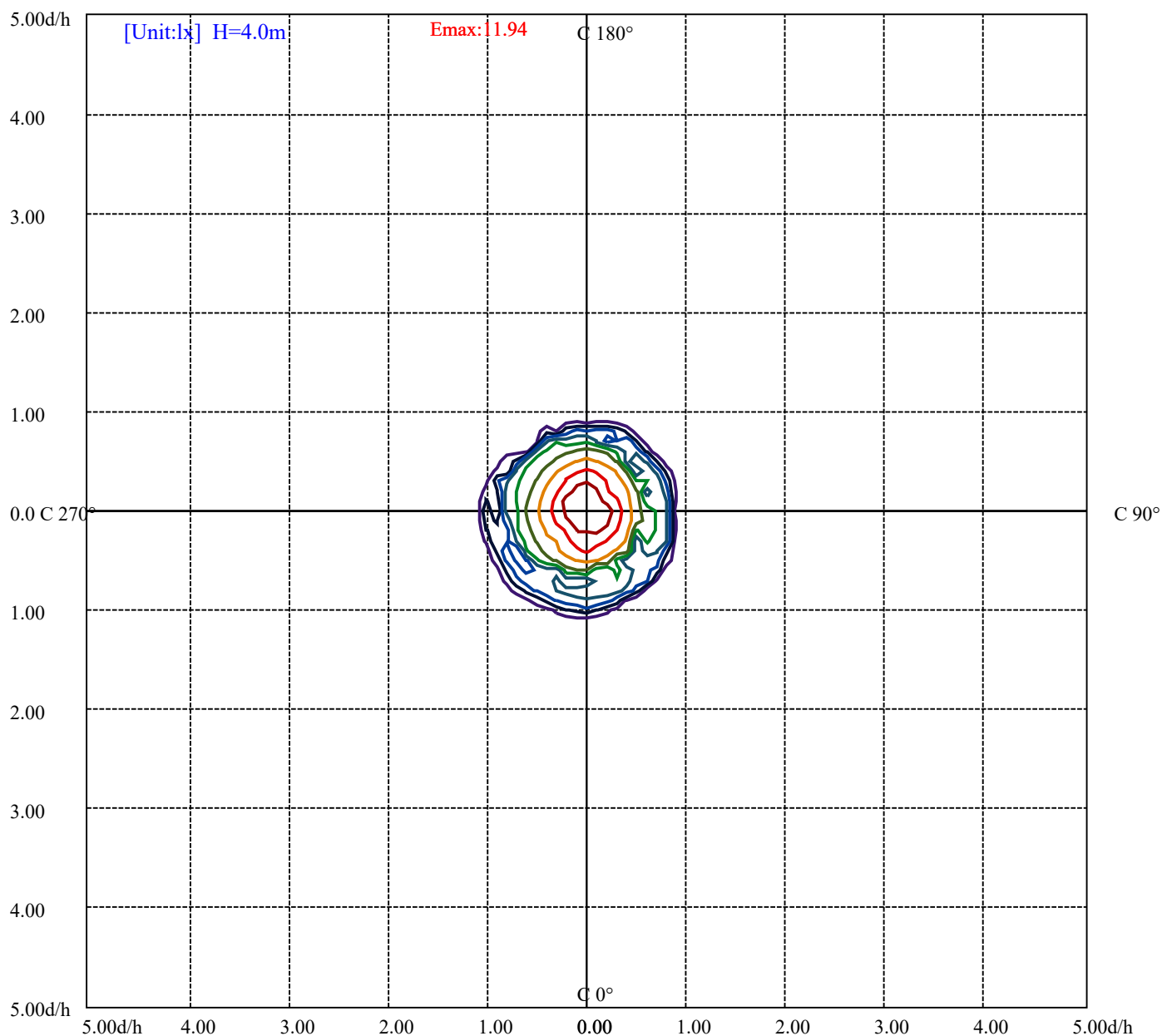
House










[Unit:cd]

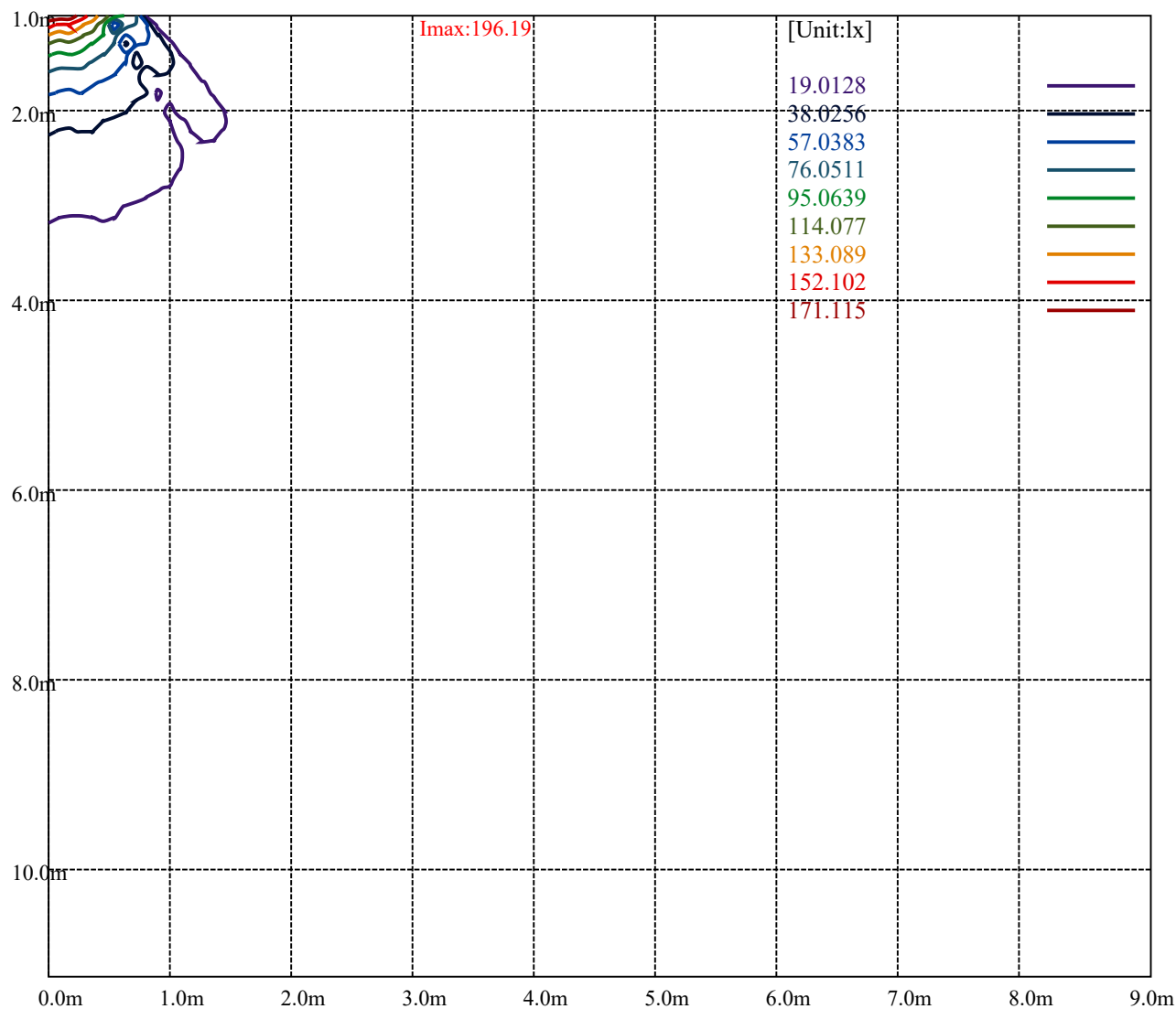
Road

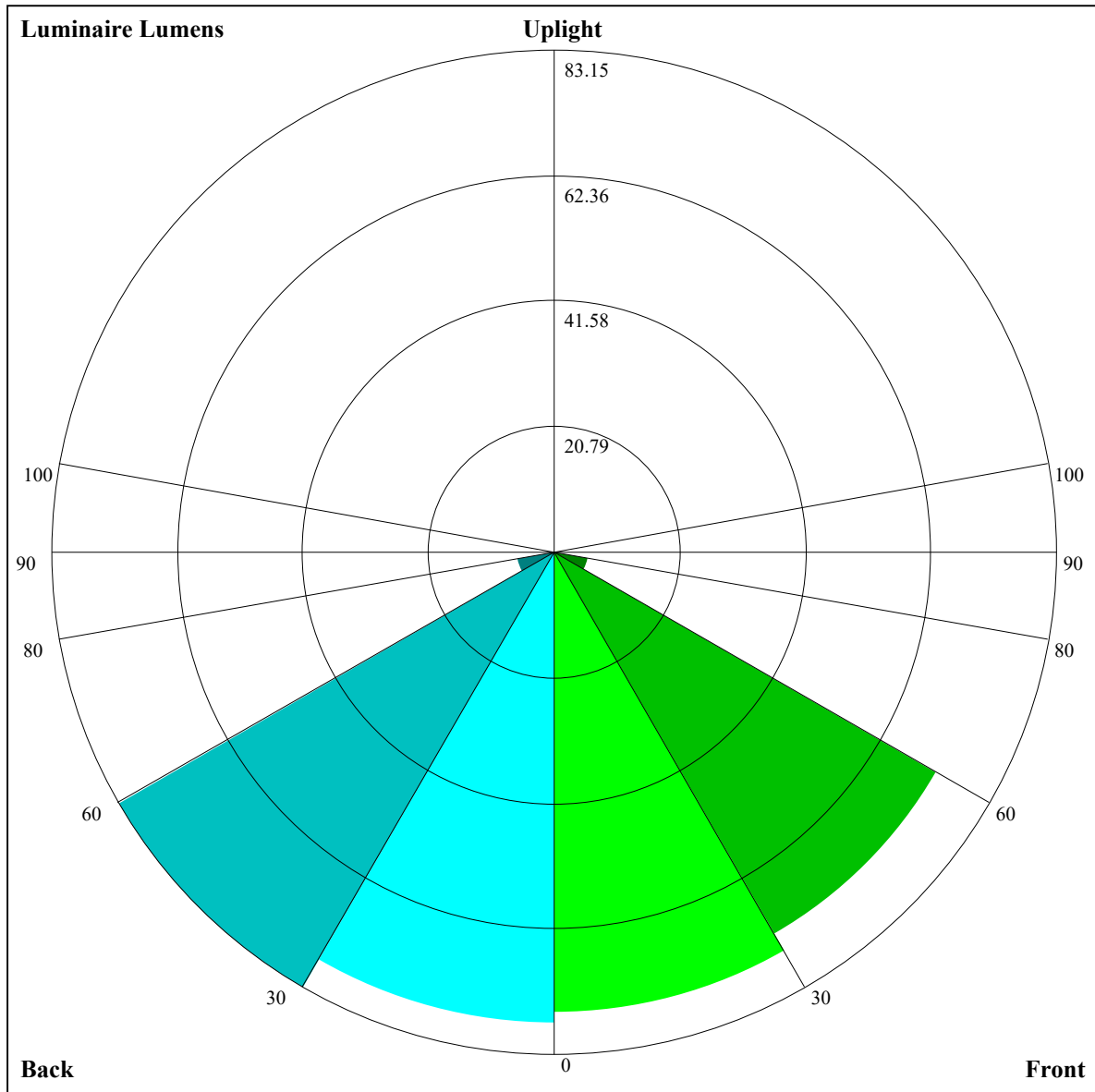
Imax:196.19
 (10%Imax) 19.5467
 (20%Imax) 39.0935
 (30%Imax) 58.6402
 (40%Imax) 78.187
 (50%Imax) 97.7337
 (60%Imax) 117.28
 (70%Imax) 136.827
 (80%Imax) 156.374
 (90%Imax) 175.921





(10%Emax)	1.19395	
(20%Emax)	2.3879	
(30%Emax)	3.58185	
(40%Emax)	4.7758	
(50%Emax)	5.96975	
(60%Emax)	7.163688	
(70%Emax)	8.357625	
(80%Emax)	9.551625	
(90%Emax)	10.74556	





Luminaire Lumens:

FL=76.38,FM=72.91,FH=5.59,FVH=0.87

BL=77.99,BM=83.15,BH=6.18,BVH=1.03

UL=0,UH=0

BUG Rating:B0-U0-G0

TroyCSL Lighting F1125-WZN

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	190.13	183.98	183.53	184.10	184.78	186.15	187.06	187.97	189.34		
22.5	190.13	187.06	185.92	183.98	182.73	182.04	181.59	181.93	181.93		
45.0	190.13	186.26	185.24	183.98	183.75	183.18	182.16	181.93	181.59		
67.5	190.13	189.80	189.69	190.37	190.03	190.26	190.03	189.57	189.00		
90.0	190.13	192.77	192.77	191.97	191.17	189.46	188.43	188.77	189.46		
112.5	190.13	193.11	193.56	193.45	191.40	190.26	189.69	190.60	191.51		
135.0	190.13	193.68	191.74	190.94	189.80	191.05	193.34	194.36	195.96		
157.5	190.13	194.02	194.25	191.62	189.57	188.89	188.20	190.48	193.22		
180.0	190.13	187.63	190.37	190.48	188.20	186.72	185.12	184.21	183.07		
202.5	190.13	190.48	190.26	188.55	187.29	185.92	184.21	183.30	181.36		
225.0	190.13	188.43	189.23	190.14	190.26	190.37	189.80	189.00	188.20		
247.5	190.13	189.23	189.57	189.80	190.14	190.48	190.60	190.03	189.12		
270.0	190.13	190.26	189.80	188.77	188.43	187.97	187.40	186.83	185.24		
292.5	190.13	189.69	188.77	188.32	187.63	187.40	186.72	187.18	188.43		
315.0	190.13	193.11	191.62	189.34	189.23	188.89	189.00	189.12	191.28		
337.5	190.13	189.23	187.97	187.97	188.66	190.37	191.17	192.31	193.79		
360.0	190.13	183.98	183.53	184.10	184.78	186.15	187.06	187.97	189.34		
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0		
0.0	190.14	190.48	189.57	189.00	187.29	185.81	184.78	183.41	182.39		
22.5	181.25	180.90	180.22	179.65	179.08	179.08	178.74	179.31	179.42		
45.0	181.02	180.33	179.65	179.42	178.74	178.17	177.60	176.68	176.23		
67.5	188.20	187.86	187.86	188.20	189.00	189.12	189.46	189.91	191.40		
90.0	190.03	190.71	191.17	190.71	190.48	191.28	192.42	191.74	191.05		
112.5	193.22	194.02	194.36	193.68	193.68	194.25	193.91	192.99	192.31		
135.0	196.19	195.62	194.25	193.56	190.48	187.63	184.78	182.61	182.04		
157.5	195.27	195.05	195.50	194.93	192.42	190.03	188.32	184.78	182.04		
180.0	184.21	185.81	188.09	189.00	188.66	187.18	186.61	184.90	184.67		
202.5	181.13	181.82	183.30	183.64	183.41	182.73	182.04	180.79	180.33		
225.0	186.72	185.58	183.87	182.04	180.56	179.08	177.94	176.57	175.20		
247.5	188.66	187.75	187.06	186.61	185.81	185.24	184.67	184.90	185.12		
270.0	184.32	183.41	183.30	183.53	184.10	185.24	185.81	187.06	187.52		
292.5	189.57	191.51	191.74	191.40	190.37	188.89	187.75	185.92	185.12		
315.0	192.99	193.79	194.59	193.11	191.05	189.00	187.75	187.06	186.61		
337.5	195.27	194.82	192.54	191.40	189.23	187.63	186.49	185.69	185.12		
360.0	190.14	190.48	189.57	189.00	187.29	185.81	184.78	183.41	182.39		
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0		
0.0	181.02	179.99	178.96	177.82	177.14	176.11	175.54	174.97	174.40		
22.5	179.53	179.53	178.96	179.19	178.85	178.74	178.17	176.91	175.88		
45.0	175.77	175.88	176.57	177.37	177.60	178.74	178.96	178.96	178.51		
67.5	191.51	191.62	191.17	191.17	190.37	190.48	188.77	188.09	187.40		
90.0	190.71	190.14	189.80	190.26	190.60	191.05	191.62	191.40	190.71		
112.5	190.60	189.57	188.66	187.40	187.06	187.06	187.52	187.86	187.52		
135.0	181.82	183.18	183.41	183.64	182.96	182.27	181.13	181.02	180.45		
157.5	180.10	178.74	178.85	178.39	179.31	179.76	180.56	181.47	181.25		
180.0	185.24	185.92	186.38	186.38	186.72	187.06	186.72	186.95	186.72		
202.5	179.65	179.76	180.10	180.45	180.67	180.79	180.22	179.76	179.31		
225.0	174.97	174.52	174.97	175.66	176.00	175.88	176.34	176.80	177.02		
247.5	185.12	185.24	185.69	185.69	186.04	186.26	186.49	186.49	185.92		
270.0	187.97	189.00	189.34	189.69	190.14	190.14	190.26	190.14	190.14		
292.5	184.21	183.64	183.41	183.75	183.53	183.75	184.10	184.32	185.35		
315.0	186.04	185.35	185.35	185.47	184.67	183.75	183.53	182.39	181.36		
337.5	184.78	184.21	183.53	182.73	182.39	182.50	182.50	182.50	183.07		
360.0	181.02	179.99	178.96	177.82	177.14	176.11	175.54	174.97	174.40		

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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	170.30	91.82	53.38	115.89	171.44	172.01	170.98	170.18	169.72		
22.5	175.09	174.63	174.17	160.49	95.13	79.73	142.92	178.05	180.10		
45.0	177.82	177.02	176.23	173.60	129.46	82.47	88.63	149.88	171.09		
67.5	186.38	185.81	185.47	185.01	184.67	183.75	183.18	163.34	116.00		
90.0	190.37	190.83	191.17	190.94	190.48	189.12	187.06	183.41	172.92		
112.5	186.49	185.24	183.07	182.16	182.39	182.73	183.18	183.64	184.21		
135.0	180.22	181.02	182.50	182.84	183.87	183.75	183.30	182.39	182.61		
157.5	181.13	181.02	180.90	180.33	180.10	181.25	182.04	182.96	183.75		
180.0	185.81	184.78	183.64	182.39	181.59	180.10	177.94	176.11	175.09		
202.5	179.31	178.96	178.85	179.19	179.19	179.08	178.96	178.74	178.39		
225.0	177.25	177.71	178.51	178.85	178.85	178.05	177.37	176.00	174.74		
247.5	185.35	184.21	182.96	182.84	182.39	181.47	172.80	93.07	71.75		
270.0	189.69	189.12	188.43	188.20	187.75	186.15	120.11	49.39	114.18		
292.5	185.81	185.47	182.96	160.60	40.26	105.17	185.58	186.95	187.29		
315.0	181.02	180.79	180.56	180.10	63.30	25.32	120.22	125.70	128.89		
337.5	182.39	179.19	54.75	28.17	173.49	181.02	180.56	180.90	180.10		
360.0	170.30	91.82	53.38	115.89	171.44	172.01	170.98	170.18	169.72		
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0		
0.0	168.70	166.76	166.19	159.69	114.18	69.58	26.92	17.68	16.77		
22.5	179.53	176.00	171.44	164.59	131.06	111.21	76.31	33.53	20.07		
45.0	169.15	156.38	140.18	112.12	88.74	57.94	22.70	15.40	14.71		
67.5	91.59	93.99	160.94	164.14	140.18	109.96	95.70	40.15	20.19		
90.0	97.52	78.25	111.10	141.44	114.63	74.37	17.79	17.00	16.42		
112.5	184.90	186.38	186.72	148.85	41.63	37.30	116.80	23.27	19.62		
135.0	182.16	181.02	179.42	163.57	22.93	44.37	22.13	20.53	19.73		
157.5	183.98	183.87	183.30	181.93	180.33	158.20	27.03	138.02	133.00		
180.0	174.52	173.49	171.44	170.87	169.04	159.80	41.86	89.65	152.05		
202.5	176.80	166.76	135.28	75.51	80.98	151.70	169.38	163.00	136.53		
225.0	174.06	155.47	99.01	79.16	109.39	140.18	163.11	161.51	160.14		
247.5	104.25	156.95	175.54	174.63	173.37	172.12	170.18	167.44	136.99		
270.0	154.21	181.25	181.25	180.90	179.76	178.85	178.28	176.68	176.23		
292.5	187.52	187.18	186.95	186.15	185.81	184.67	180.22	158.43	67.41		
315.0	130.60	134.02	136.76	139.50	141.67	142.46	143.95	146.34	75.40		
337.5	178.85	178.05	178.28	179.42	180.33	177.37	76.19	35.93	18.82		
360.0	168.70	166.76	166.19	159.69	114.18	69.58	26.92	17.68	16.77		
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0		
0.0	16.31	15.97	15.51	15.40	15.06	14.83	14.49	14.03	13.57		
22.5	15.85	15.51	14.49	14.03	13.92	13.57	13.23	12.89	12.55		
45.0	14.03	13.35	12.77	12.32	11.86	11.52	11.29	10.95	10.61		
67.5	15.17	14.49	13.92	13.35	13.12	12.43	11.98	11.63	11.18		
90.0	15.85	15.28	14.71	14.26	13.69	13.12	12.89	12.55	12.20		
112.5	18.82	18.59	17.68	17.22	16.88	16.20	15.63	15.06	14.49		
135.0	19.28	18.93	18.36	17.68	17.11	16.31	15.85	15.17	14.49		
157.5	23.61	20.65	19.28	18.59	18.25	17.45	16.88	16.31	15.63		
180.0	147.60	114.97	58.29	18.82	17.57	16.88	16.31	15.74	15.06		
202.5	109.61	69.69	20.99	16.20	15.51	14.83	14.49	13.80	13.23		
225.0	136.30	108.13	79.96	49.50	32.05	16.08	15.17	14.49	13.92		
247.5	102.31	70.95	38.32	23.95	16.54	15.97	15.51	14.60	14.26		
270.0	144.17	96.95	59.43	28.40	20.53	18.71	18.36	17.68	17.00		
292.5	26.01	20.30	19.85	19.62	19.16	18.71	18.36	18.02	17.57		
315.0	21.67	20.19	19.39	18.82	18.59	18.14	17.68	17.22	16.77		
337.5	18.02	17.79	17.45	17.34	16.77	16.31	16.20	15.74	15.28		
360.0	16.31	15.97	15.51	15.40	15.06	14.83	14.49	14.03	13.57		

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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	13.00	12.43	12.20	11.63	10.95	10.27	9.35	8.90	8.21		
22.5	12.43	11.98	11.41	11.06	10.61	10.15	9.58	9.01	8.67		
45.0	10.27	9.81	9.47	9.12	8.67	8.21	7.87	7.53	6.84		
67.5	11.06	10.61	10.04	9.81	9.24	8.78	8.33	7.87	7.64		
90.0	11.86	11.29	11.06	10.49	10.04	9.35	8.67	8.33	7.64		
112.5	14.14	13.69	13.23	12.66	12.09	11.52	10.84	10.15	9.70		
135.0	13.92	13.23	12.89	12.32	11.75	10.95	10.27	9.58	8.90		
157.5	15.28	14.60	14.26	13.69	13.23	12.55	11.98	11.29	10.95		
180.0	14.49	14.03	13.46	13.23	12.89	12.55	12.09	11.52	11.18		
202.5	12.89	12.55	12.32	11.86	11.41	11.06	10.38	10.15	9.24		
225.0	13.57	13.00	12.66	12.20	11.63	11.18	10.61	10.04	9.70		
247.5	13.80	13.35	13.00	12.55	12.09	11.52	10.84	10.61	9.70		
270.0	16.65	16.20	15.85	15.40	14.71	14.03	13.35	12.89	12.43		
292.5	17.00	16.31	15.97	15.40	14.83	14.14	13.00	12.09	11.06		
315.0	16.54	15.97	15.40	14.83	14.26	13.92	12.66	11.86	11.29		
337.5	14.83	14.14	13.80	13.23	12.66	11.86	10.84	10.04	9.24		
360.0	13.00	12.43	12.20	11.63	10.95	10.27	9.35	8.90	8.21		
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	7.19	6.84	6.27	5.82	5.36	4.90	4.68	4.45	4.11		
22.5	7.87	7.30	6.84	6.39	6.05	5.59	5.02	4.79	4.45		
45.0	6.27	6.05	5.70	5.36	5.02	4.68	4.45	4.22	3.88		
67.5	7.19	6.73	6.39	5.93	5.47	5.25	4.79	4.56	4.33		
90.0	7.19	6.84	6.39	6.05	5.59	5.13	5.02	4.68	4.33		
112.5	8.90	8.33	7.76	7.41	7.07	6.39	5.82	5.59	5.13		
135.0	8.10	7.76	7.30	6.84	6.27	5.70	5.47	5.02	4.56		
157.5	9.92	9.24	8.55	7.98	7.64	6.96	6.50	5.93	5.36		
180.0	10.49	9.58	9.12	8.44	7.87	7.30	6.84	6.50	5.93		
202.5	8.55	8.21	7.76	7.30	6.84	6.16	5.93	5.47	5.13		
225.0	9.12	8.55	8.10	7.64	7.41	6.73	6.05	5.82	5.36		
247.5	8.78	8.55	7.64	7.07	6.62	5.93	5.82	5.36	5.02		
270.0	11.41	10.49	9.58	8.67	8.21	7.19	6.62	6.27	5.70		
292.5	9.81	9.24	8.44	7.53	6.96	6.16	5.93	5.59	4.90		
315.0	10.38	9.47	8.67	7.87	7.53	6.73	6.16	5.70	5.25		
337.5	8.33	7.87	7.30	6.73	6.05	5.59	5.36	4.90	4.56		
360.0	7.19	6.84	6.27	5.82	5.36	4.90	4.68	4.45	4.11		
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	3.76	3.42	3.31	3.08	2.85	2.62	2.40	2.28	2.17		
22.5	4.33	3.76	3.54	3.42	3.19	2.97	2.74	2.51	2.40		
45.0	3.65	3.42	3.19	2.97	2.74	2.62	2.51	2.28	2.05		
67.5	3.99	3.76	3.54	3.42	3.19	2.97	2.85	2.62	2.51		
90.0	4.11	3.76	3.65	3.31	3.08	2.97	2.74	2.62	2.40		
112.5	5.02	4.45	4.11	3.99	3.65	3.42	3.19	2.97	2.85		
135.0	4.33	4.11	3.76	3.54	3.31	3.19	2.97	2.74	2.62		
157.5	5.25	4.79	4.33	4.11	3.88	3.54	3.31	3.08	2.97		
180.0	5.47	5.02	4.79	4.56	4.22	3.88	3.65	3.31	3.08		
202.5	4.79	4.33	4.22	3.88	3.65	3.42	3.19	2.97	2.85		
225.0	5.02	4.79	4.45	4.33	3.99	3.76	3.54	3.31	3.19		
247.5	4.68	4.33	4.22	3.88	3.54	3.42	3.19	3.08	2.85		
270.0	5.36	5.02	4.68	4.45	4.11	3.88	3.65	3.42	3.31		
292.5	4.79	4.33	4.22	3.76	3.54	3.31	3.19	2.97	2.74		
315.0	5.02	4.56	4.22	4.11	3.76	3.54	3.31	3.08	2.97		
337.5	4.22	3.99	3.76	3.42	3.19	2.97	2.74	2.62	2.40		
360.0	3.76	3.42	3.31	3.08	2.85	2.62	2.40	2.28	2.17		

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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	1.82	1.82	1.48	1.48	1.37	1.25	1.14	1.14	1.14		
22.5	2.17	2.05	1.82	1.71	1.48	1.37	1.25	1.25	1.14		
45.0	1.94	1.82	1.71	1.60	1.25	1.14	1.14	1.14	1.14		
67.5	2.28	2.05	2.05	1.82	1.71	1.60	1.37	1.25	1.03		
90.0	2.17	2.05	1.94	1.82	1.60	1.48	1.25	1.03	1.03		
112.5	2.74	2.40	2.28	2.05	1.94	1.82	1.60	1.48	1.37		
135.0	2.40	2.28	2.05	1.94	1.82	1.60	1.48	1.37	1.14		
157.5	2.74	2.62	2.40	2.28	2.05	1.94	1.71	1.71	1.48		
180.0	2.97	2.74	2.62	2.40	2.28	2.05	1.94	1.82	1.71		
202.5	2.62	2.51	2.40	2.17	2.05	1.94	1.82	1.60	1.48		
225.0	2.97	2.74	2.62	2.40	2.28	2.17	2.05	1.82	1.71		
247.5	2.62	2.51	2.40	2.28	2.05	1.94	1.82	1.48	1.37		
270.0	2.97	2.85	2.62	2.40	2.17	2.05	1.94	1.71	1.48		
292.5	2.51	2.40	2.28	2.05	1.82	1.60	1.60	1.48	1.25		
315.0	2.74	2.51	2.28	2.05	1.94	1.71	1.60	1.60	1.48		
337.5	2.17	2.17	1.94	1.71	1.60	1.48	1.37	1.25	1.14		
360.0	1.82	1.82	1.48	1.48	1.37	1.25	1.14	1.14	1.14		
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 F1125-WZN

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 F1125-WZN

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 F1125-WZN

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										