



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: B5720-TBK/PBR

Luminaire: Wall Sconce

Report No:

Ballast type:

Test No: BT25120404-9

Voltage(V): 120.000

LampCAT:

Current(A): 0.095

Lamp flux(lm)

Power (W): 8.789

Number of Lamps: 1

PF: 0.771

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 253.56, Luminous Efficacy(lm/W): 28.85

Central intensity(cd): 106.21, Maximum intensity(cd): 114.10

Angle of maximum intensity: $C=22.5$ $\gamma=13.0$

Beam Angle(50%Imax): [C0/180]Total=118.0

[C90/270]Total=101.5

Field angle(10%Imax): [C0/180]Total=138.4

[C90/270]Total=130.0

IES Classification : TypeVS

Longitudinal Classification : VeryShort

Cut Off Classification : Cutoff

Max Cd(At 90°Vert) : 3.553352

Max Cd(80 to 90°Vert) : 5.527437

Street Side UpWard Lumens: 0.94%of Luminaire

Street Side DownWard Lumens: 48.76%of Luminaire

House Side UpWard Lumens: 1.08%of Luminaire

House Side DownWard Lumens: 49.22%of Luminaire

SLI: --- (C Flash Area: 0.000)

Throw: 13.2 (short), Spread: 6.3 (narrow), Control: --- (limited)

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	104.725	0.000	0.000	0.000%	0.000%
1.0	104.602	0.100	0.100	0.040%	0.040%
2.0	104.725	0.300	0.401	0.118%	0.158%
3.0	105.169	0.502	0.903	0.198%	0.356%
4.0	105.688	0.706	1.608	0.278%	0.634%
5.0	105.490	0.908	2.517	0.358%	0.993%
6.0	104.997	1.106	3.623	0.436%	1.429%
7.0	102.949	1.291	4.914	0.509%	1.938%
8.0	100.308	1.455	6.368	0.574%	2.512%
9.0	96.804	1.597	7.966	0.630%	3.142%
10.0	92.288	1.711	9.677	0.675%	3.816%
11.0	88.390	1.805	11.482	0.712%	4.528%
12.0	83.899	1.883	13.366	0.743%	5.271%
13.0	79.457	1.939	15.304	0.765%	6.036%
14.0	72.474	1.945	17.249	0.767%	6.803%
15.0	65.885	1.899	19.149	0.749%	7.552%
16.0	59.716	1.840	20.989	0.726%	8.278%
17.0	56.632	1.812	22.801	0.715%	8.992%
18.0	55.472	1.848	24.649	0.729%	9.721%
19.0	53.226	1.891	26.540	0.746%	10.467%
20.0	53.399	1.952	28.492	0.770%	11.237%
21.0	55.570	2.092	30.584	0.825%	12.062%
22.0	59.346	2.309	32.894	0.911%	12.972%
23.0	63.121	2.570	35.463	1.013%	13.986%
24.0	66.749	2.839	38.303	1.120%	15.106%
25.0	69.611	3.101	41.403	1.223%	16.328%
26.0	71.437	3.329	44.733	1.313%	17.642%
27.0	73.140	3.537	48.270	1.395%	19.037%
28.0	74.571	3.740	52.010	1.475%	20.511%
29.0	75.830	3.935	55.944	1.552%	22.063%
30.0	76.817	4.121	60.066	1.625%	23.689%
31.0	77.680	4.299	64.365	1.696%	25.384%
32.0	78.223	4.466	68.832	1.761%	27.146%
33.0	78.149	4.607	73.438	1.817%	28.962%
34.0	78.174	4.731	78.169	1.866%	30.828%
35.0	77.902	4.847	83.016	1.912%	32.740%
36.0	77.828	4.958	87.975	1.956%	34.695%
37.0	77.779	5.075	93.050	2.001%	36.697%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	77.656	5.188	98.238	2.046%	38.743%
39.0	77.211	5.286	103.524	2.085%	40.828%
40.0	77.039	5.380	108.904	2.122%	42.949%
41.0	76.496	5.467	114.371	2.156%	45.105%
42.0	76.200	5.548	119.919	2.188%	47.293%
43.0	75.583	5.622	125.541	2.217%	49.511%
44.0	74.917	5.680	131.222	2.240%	51.751%
45.0	74.176	5.730	136.951	2.260%	54.011%
46.0	73.239	5.765	142.716	2.274%	56.284%
47.0	72.301	5.788	148.505	2.283%	58.567%
48.0	70.894	5.789	154.294	2.283%	60.850%
49.0	69.241	5.755	160.048	2.270%	63.119%
50.0	67.810	5.714	165.762	2.254%	65.373%
51.0	65.737	5.650	171.413	2.228%	67.601%
52.0	63.738	5.556	176.969	2.191%	69.792%
53.0	61.641	5.454	182.423	2.151%	71.943%
54.0	59.050	5.320	187.742	2.098%	74.041%
55.0	56.311	5.150	192.892	2.031%	76.072%
56.0	53.350	4.955	197.847	1.954%	78.026%
57.0	49.895	4.721	202.567	1.862%	79.888%
58.0	46.539	4.459	207.027	1.759%	81.647%
59.0	42.616	4.168	211.195	1.644%	83.290%
60.0	38.939	3.853	215.048	1.520%	84.810%
61.0	34.472	3.503	218.551	1.382%	86.192%
62.0	30.968	3.153	221.704	1.244%	87.435%
63.0	28.377	2.886	224.591	1.138%	88.573%
64.0	24.849	2.612	227.203	1.030%	89.604%
65.0	21.715	2.304	229.507	0.909%	90.512%
66.0	18.853	2.024	231.531	0.798%	91.311%
67.0	16.163	1.761	233.292	0.694%	92.005%
68.0	13.794	1.518	234.809	0.598%	92.603%
69.0	11.943	1.313	236.122	0.518%	93.121%
70.0	10.512	1.153	237.275	0.455%	93.576%
71.0	9.229	1.020	238.296	0.402%	93.978%
72.0	8.168	0.905	239.200	0.357%	94.335%
73.0	7.502	0.819	240.020	0.323%	94.658%
74.0	7.082	0.767	240.786	0.302%	94.961%
75.0	6.514	0.718	241.505	0.283%	95.244%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.169	0.673	242.178	0.266%	95.510%
77.0	5.675	0.631	242.810	0.249%	95.759%
78.0	5.379	0.592	243.401	0.233%	95.992%
79.0	4.960	0.556	243.957	0.219%	96.211%
80.0	4.688	0.520	244.477	0.205%	96.416%
81.0	4.565	0.500	244.977	0.197%	96.614%
82.0	4.318	0.482	245.459	0.190%	96.804%
83.0	4.072	0.456	245.915	0.180%	96.983%
84.0	3.874	0.433	246.348	0.171%	97.154%
85.0	3.504	0.403	246.751	0.159%	97.313%
86.0	3.356	0.375	247.126	0.148%	97.461%
87.0	3.134	0.355	247.481	0.140%	97.601%
88.0	3.010	0.337	247.818	0.133%	97.734%
89.0	2.788	0.318	248.135	0.125%	97.859%
90.0	2.665	0.299	248.434	0.118%	97.977%
91.0	2.517	0.284	248.718	0.112%	98.089%
92.0	2.369	0.268	248.986	0.106%	98.195%
93.0	2.246	0.253	249.239	0.100%	98.294%
94.0	2.196	0.243	249.482	0.096%	98.390%
95.0	2.097	0.235	249.717	0.093%	98.483%
96.0	1.999	0.224	249.940	0.088%	98.571%
97.0	1.900	0.212	250.153	0.084%	98.655%
98.0	1.826	0.203	250.355	0.080%	98.734%
99.0	1.703	0.191	250.547	0.075%	98.810%
100.0	1.653	0.181	250.728	0.072%	98.882%
101.0	1.727	0.182	250.910	0.072%	98.953%
102.0	1.456	0.171	251.081	0.067%	99.021%
103.0	1.456	0.156	251.237	0.061%	99.082%
104.0	1.283	0.146	251.383	0.058%	99.140%
105.0	1.333	0.139	251.522	0.055%	99.195%
106.0	1.308	0.140	251.662	0.055%	99.250%
107.0	1.209	0.132	251.794	0.052%	99.302%
108.0	1.110	0.121	251.915	0.048%	99.350%
109.0	1.036	0.112	252.027	0.044%	99.394%
110.0	1.012	0.106	252.133	0.042%	99.435%
111.0	0.938	0.100	252.233	0.039%	99.475%
112.0	0.814	0.089	252.322	0.035%	99.510%
113.0	0.938	0.089	252.411	0.035%	99.545%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.864	0.091	252.502	0.036%	99.581%
115.0	0.691	0.078	252.579	0.031%	99.612%
116.0	0.642	0.066	252.645	0.026%	99.638%
117.0	0.642	0.063	252.708	0.025%	99.662%
118.0	0.592	0.060	252.768	0.024%	99.686%
119.0	0.642	0.059	252.828	0.023%	99.709%
120.0	0.666	0.062	252.890	0.025%	99.734%
121.0	0.543	0.057	252.947	0.023%	99.757%
122.0	0.592	0.053	253.000	0.021%	99.778%
123.0	0.494	0.050	253.050	0.020%	99.797%
124.0	0.494	0.045	253.096	0.018%	99.815%
125.0	0.494	0.045	253.140	0.018%	99.833%
126.0	0.469	0.043	253.183	0.017%	99.850%
127.0	0.444	0.040	253.223	0.016%	99.866%
128.0	0.395	0.036	253.260	0.014%	99.880%
129.0	0.395	0.034	253.294	0.013%	99.893%
130.0	0.370	0.032	253.326	0.013%	99.906%
131.0	0.321	0.029	253.355	0.011%	99.917%
132.0	0.296	0.025	253.380	0.010%	99.927%
133.0	0.271	0.023	253.403	0.009%	99.936%
134.0	0.271	0.022	253.425	0.009%	99.945%
135.0	0.247	0.020	253.445	0.008%	99.953%
136.0	0.222	0.018	253.463	0.007%	99.960%
137.0	0.222	0.017	253.480	0.007%	99.967%
138.0	0.197	0.016	253.495	0.006%	99.973%
139.0	0.148	0.013	253.508	0.005%	99.978%
140.0	0.123	0.010	253.518	0.004%	99.982%
141.0	0.074	0.007	253.524	0.003%	99.984%
142.0	0.074	0.005	253.530	0.002%	99.986%
143.0	0.099	0.006	253.535	0.002%	99.989%
144.0	0.123	0.007	253.543	0.003%	99.991%
145.0	0.074	0.006	253.549	0.002%	99.994%
146.0	0.074	0.005	253.553	0.002%	99.996%
147.0	0.074	0.004	253.558	0.002%	99.997%
148.0	0.025	0.003	253.561	0.001%	99.999%
149.0	0.049	0.002	253.563	0.001%	99.999%
150.0	0.000	0.001	253.564	0.001%	100.000%
151.0	0.000	0.000	253.564	0.000%	100.000%

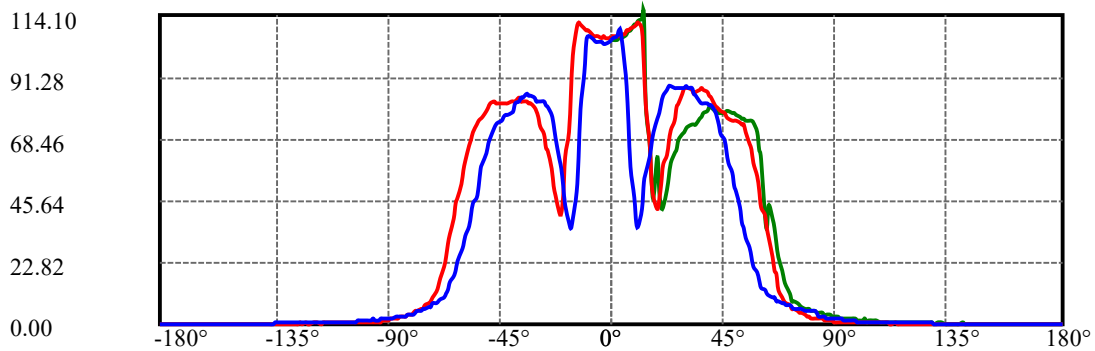
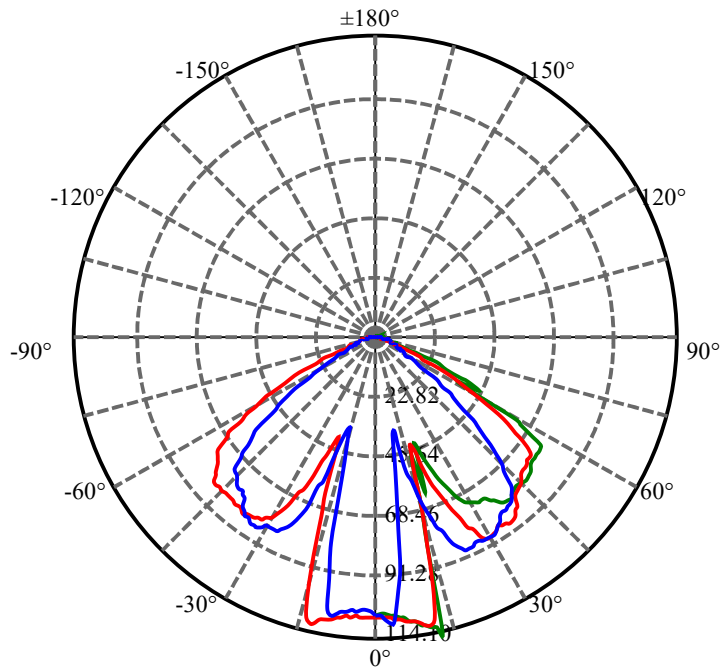
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	253.564	0.000%	100.000%
153.0	0.000	0.000	253.564	0.000%	100.000%
154.0	0.000	0.000	253.564	0.000%	100.000%
155.0	0.000	0.000	253.564	0.000%	100.000%
156.0	0.000	0.000	253.564	0.000%	100.000%
157.0	0.000	0.000	253.564	0.000%	100.000%
158.0	0.000	0.000	253.564	0.000%	100.000%
159.0	0.000	0.000	253.564	0.000%	100.000%
160.0	0.000	0.000	253.564	0.000%	100.000%
161.0	0.000	0.000	253.564	0.000%	100.000%
162.0	0.000	0.000	253.564	0.000%	100.000%
163.0	0.000	0.000	253.564	0.000%	100.000%
164.0	0.000	0.000	253.564	0.000%	100.000%
165.0	0.000	0.000	253.564	0.000%	100.000%
166.0	0.000	0.000	253.564	0.000%	100.000%
167.0	0.000	0.000	253.564	0.000%	100.000%
168.0	0.000	0.000	253.564	0.000%	100.000%
169.0	0.000	0.000	253.564	0.000%	100.000%
170.0	0.000	0.000	253.564	0.000%	100.000%
171.0	0.000	0.000	253.564	0.000%	100.000%
172.0	0.000	0.000	253.564	0.000%	100.000%
173.0	0.000	0.000	253.564	0.000%	100.000%
174.0	0.000	0.000	253.564	0.000%	100.000%
175.0	0.000	0.000	253.564	0.000%	100.000%
176.0	0.000	0.000	253.564	0.000%	100.000%
177.0	0.000	0.000	253.564	0.000%	100.000%
178.0	0.000	0.000	253.564	0.000%	100.000%
179.0	0.000	0.000	253.564	0.000%	100.000%
180.0	0.000	0.000	253.564	0.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	60.07	23.69%
0-40	108.90	42.95%
0-60	215.05	84.81%
0-90	248.43	97.98%
0-120	252.89	99.73%
0-180	253.56	100.00%
60-90	33.39	13.17%
90-120	4.46	1.76%
90-130	4.89	1.93%
90-150	5.13	2.02%
90-180	5.13	2.02%
0-57.06	202.85	80.00%

ZONAL LUMEN SUMMARY

0-10	9.68
10-20	18.81
20-30	31.57
30-40	48.84
40-50	56.86
50-60	49.29
60-70	22.23
70-80	7.20
80-90	3.96
90-100	2.29
100-110	1.40
110-120	0.76
120-130	0.44
130-140	0.19
140-150	0.05
150-160	0.00
160-170	0.00
170-180	0.00



C22.5(Max):

C0/C180:

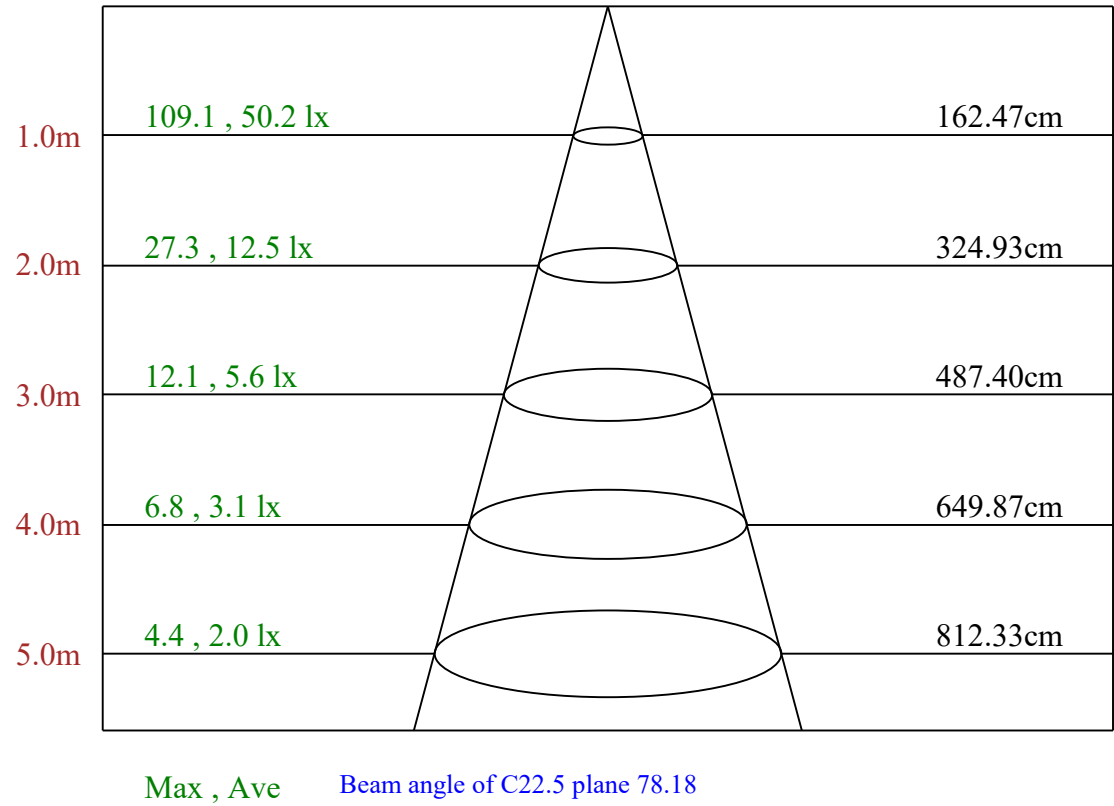
C90/C270:

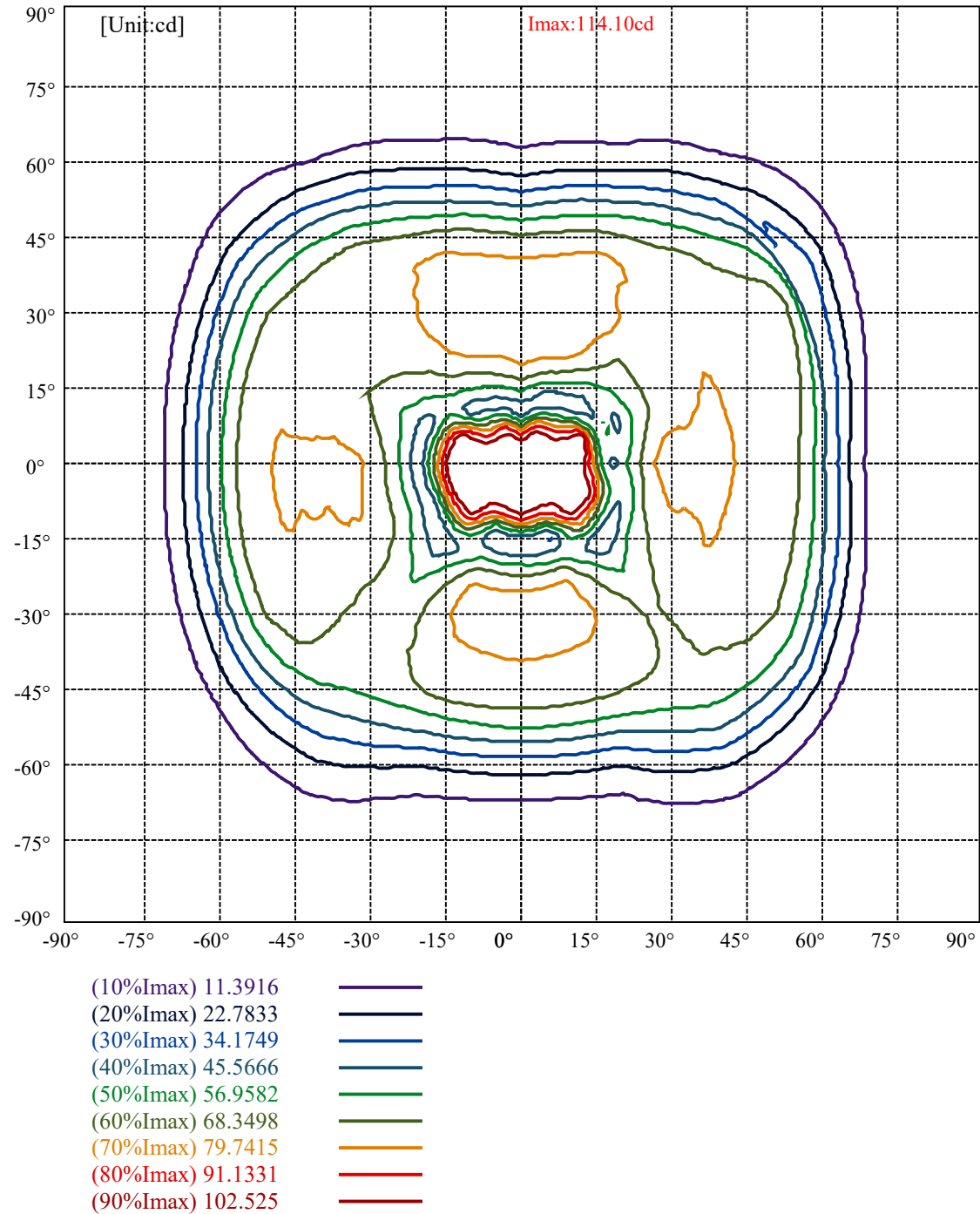
Field angle(10%Imax):C0/180Left:70.6 Right:67.8

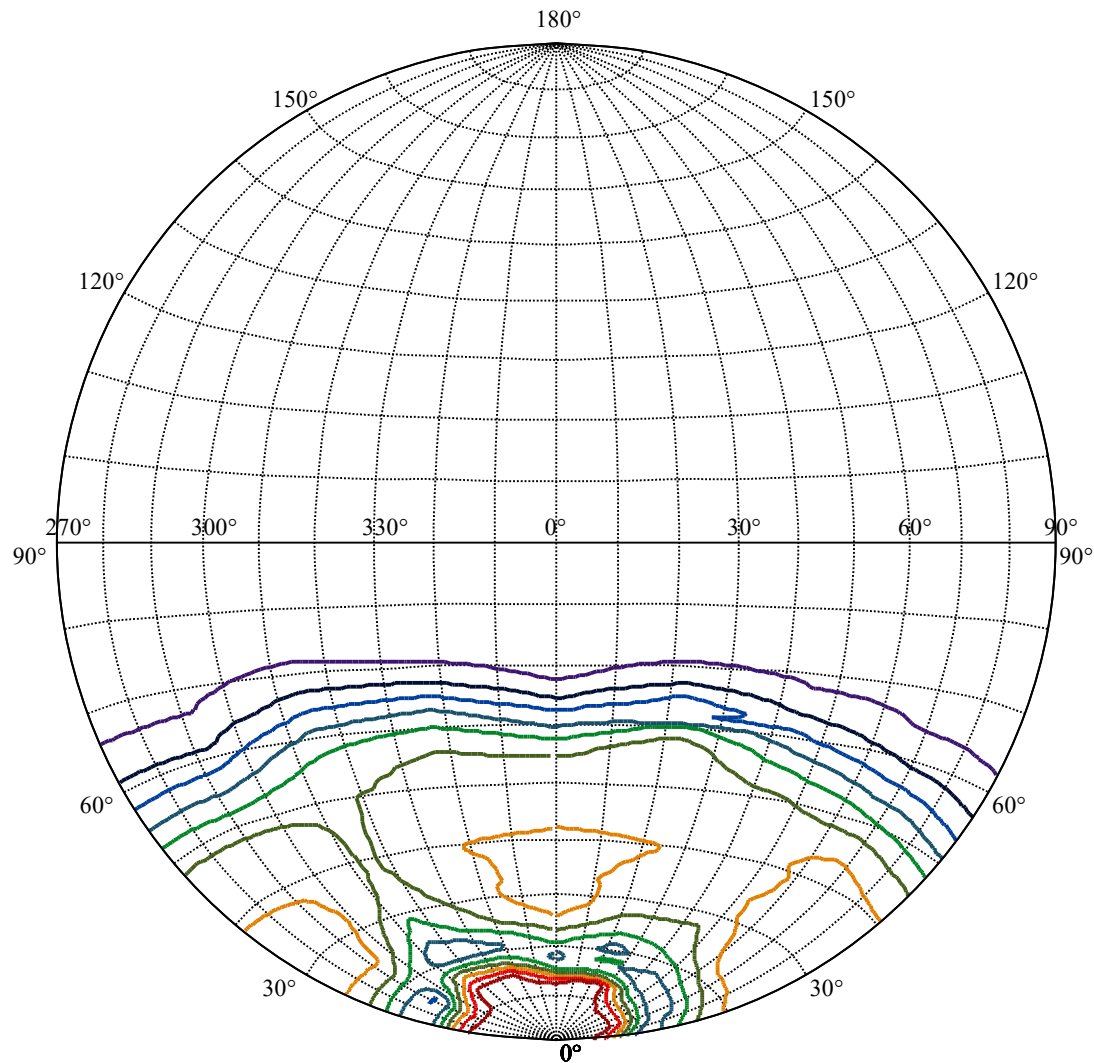
:C90/270Left:66.6 Right:63.4

Beam Angle(50%Imax):C0/180Left:59.7 Right:58.3

:C90/270Left:52.8 Right:48.7





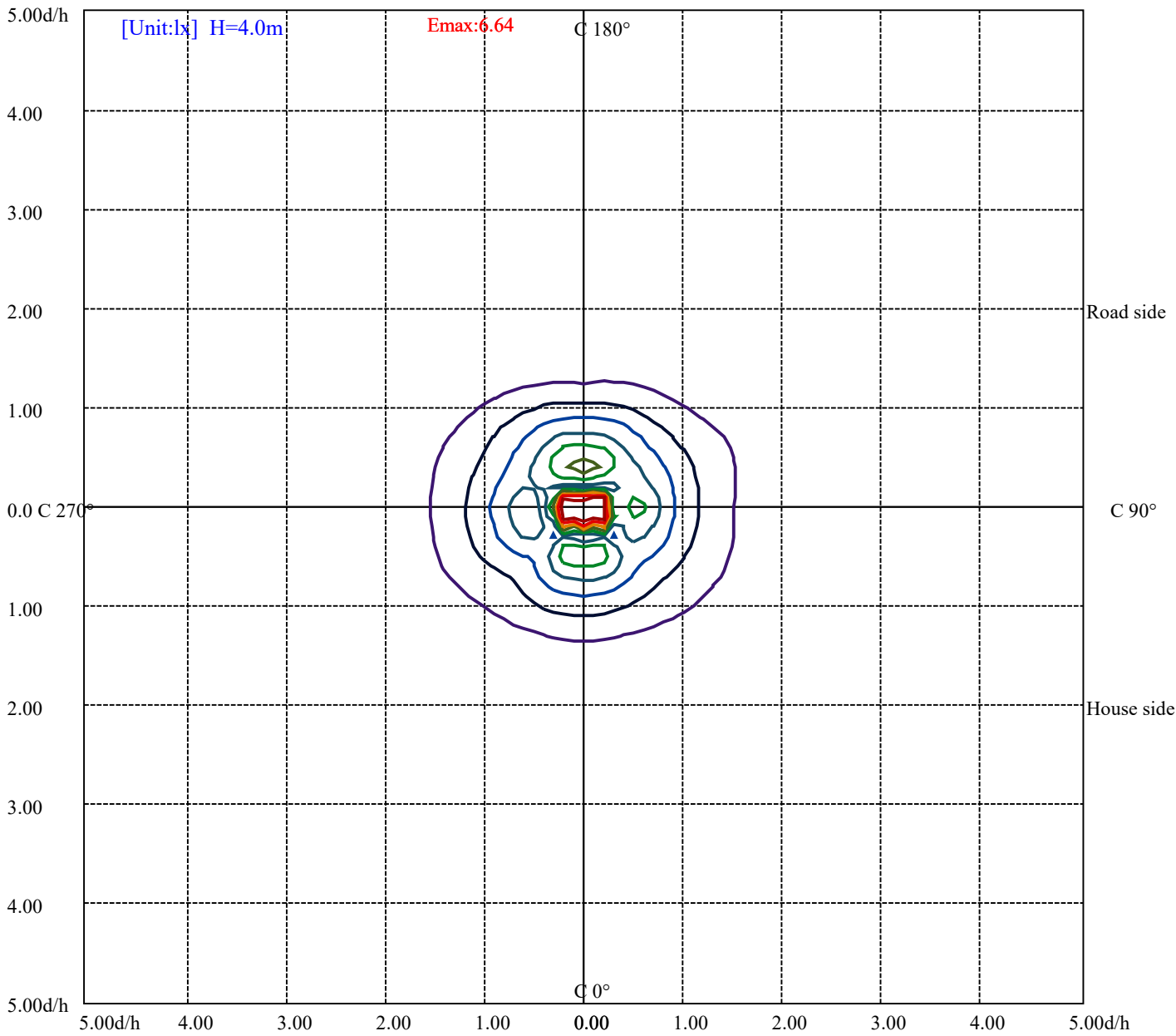


House

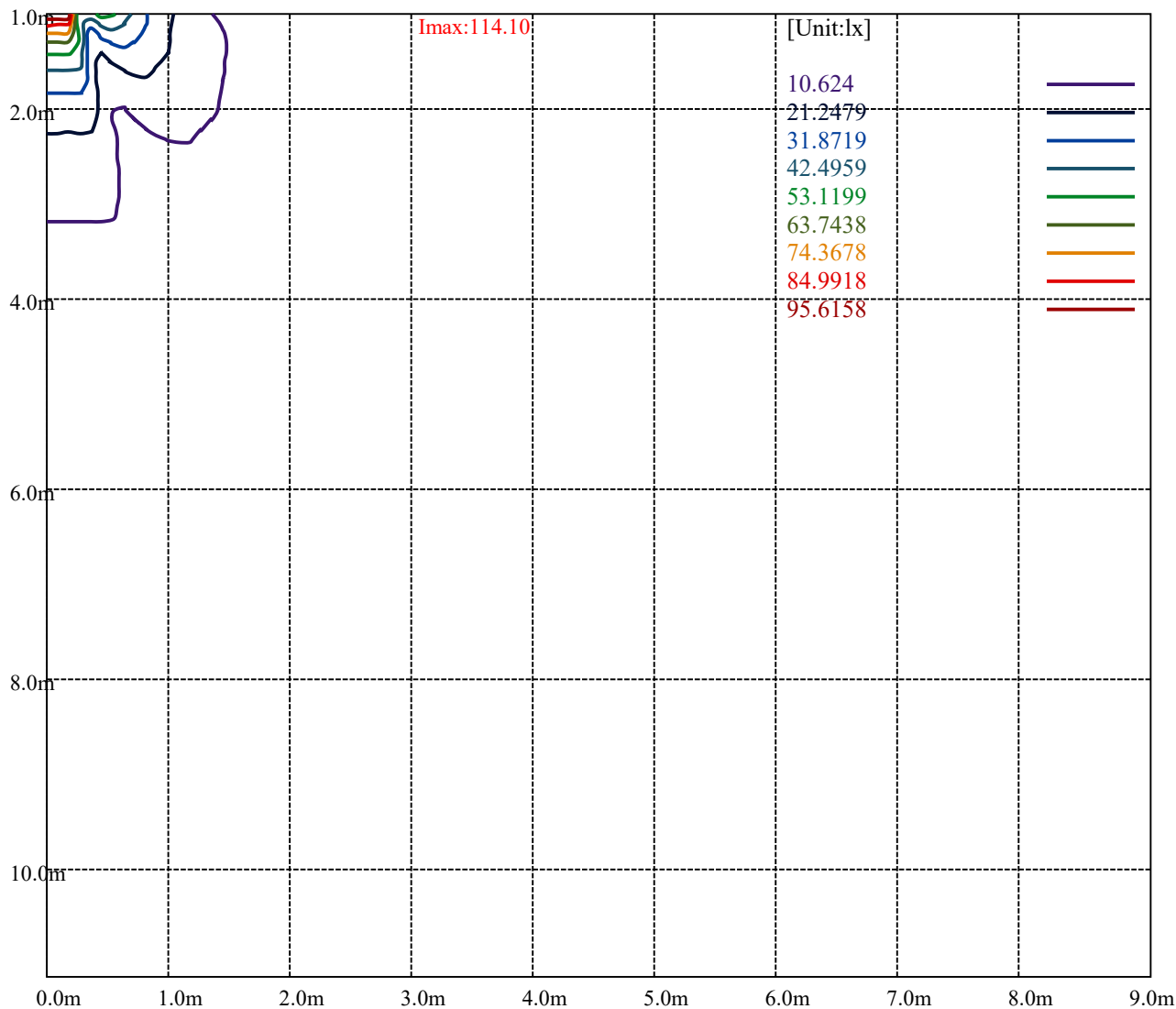
[Unit:cd]

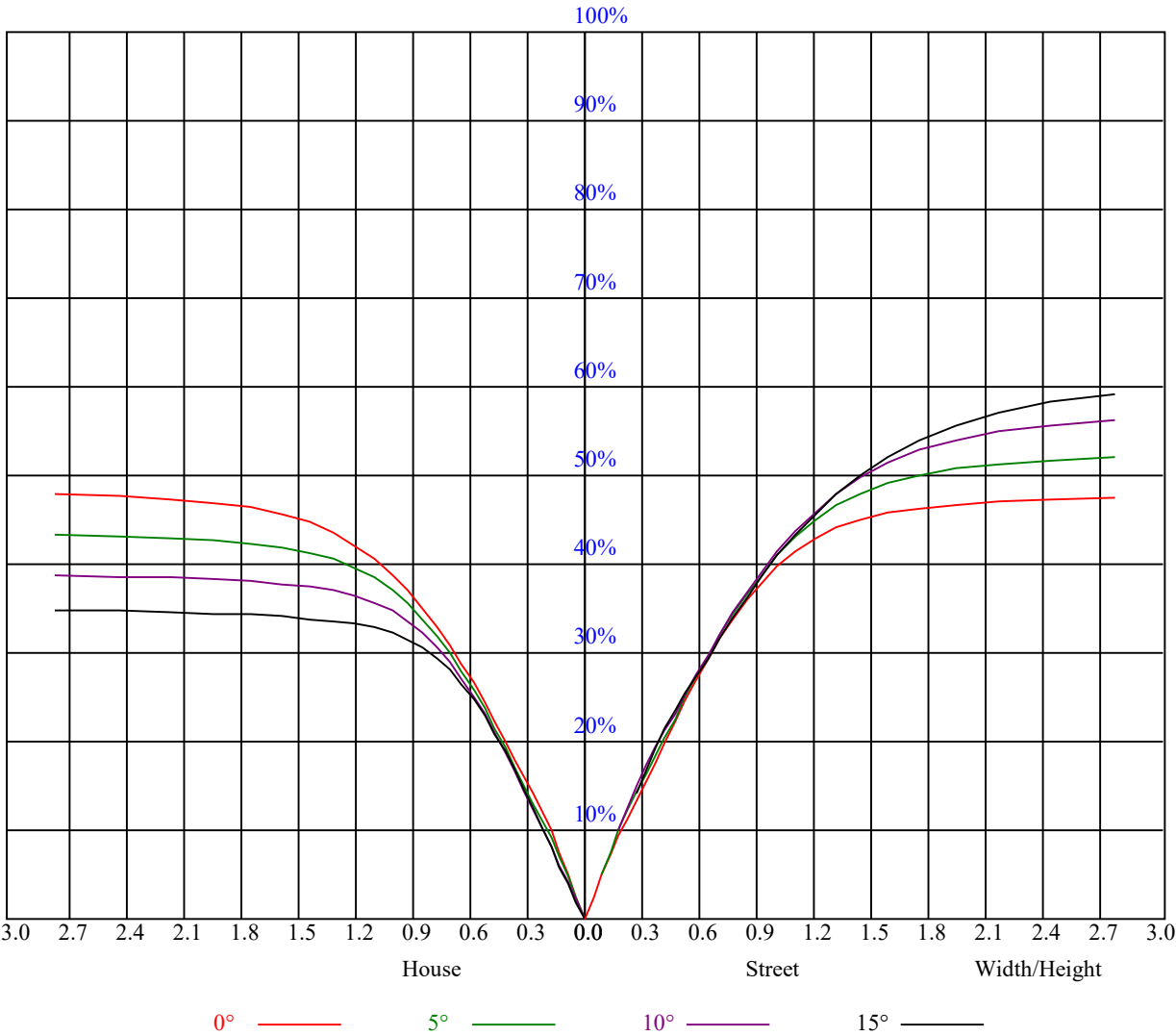
Road

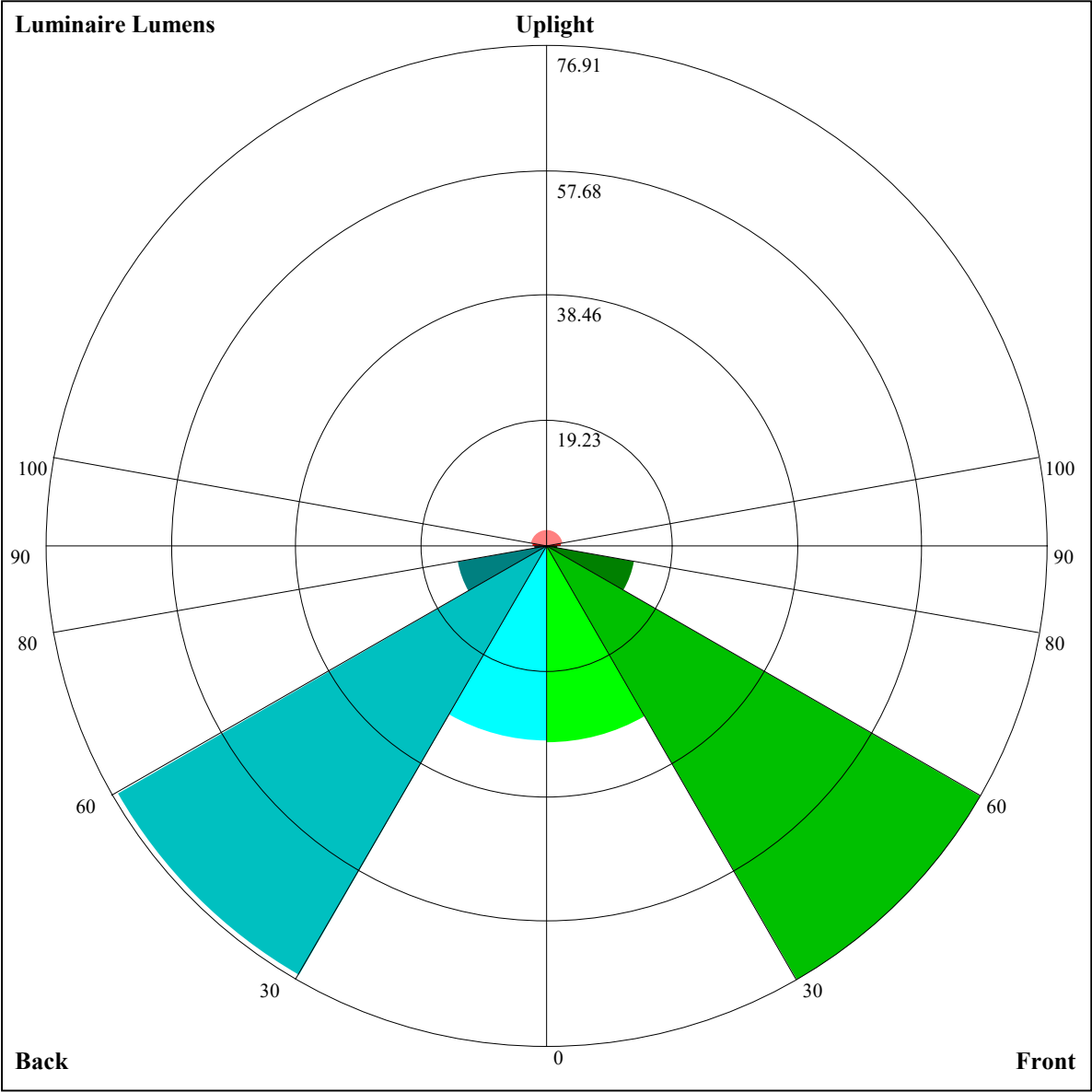
Imax:114.10	
(10%Imax) 11.3699	
(20%Imax) 22.7397	
(30%Imax) 34.1096	
(40%Imax) 45.4794	
(50%Imax) 56.8493	
(60%Imax) 68.2191	
(70%Imax) 79.589	
(80%Imax) 90.9588	
(90%Imax) 102.329	



(10%Emax) 0.664	—
(20%Emax) 1.327994	—
(30%Emax) 1.991994	—
(40%Emax) 2.655994	—
(50%Emax) 3.319994	—
(60%Emax) 3.983988	—
(70%Emax) 4.647987	—
(80%Emax) 5.311987	—
(90%Emax) 5.975987	—







Luminaire Lumens:

FL=30.33,FM=76.91,FH=13.85,FVH=1.88

BL=30.09,BM=76.11,BH=14.13,BVH=1.97

UL=2.3,UH=2.59

BUG Rating:B0-U1-G0

B5720-TBK/PBR

Intensity data(cd)

Appendix Page: 16 Total:22

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	106.21	106.21	106.21	106.60	107.00	107.00	108.18	108.57	108.97
22.5	105.02	105.02	105.02	105.81	105.81	106.21	107.00	108.18	108.57
45.0	105.02	105.02	105.42	106.60	108.57	109.76	110.94	107.79	98.70
67.5	103.84	104.23	105.02	105.42	107.79	108.97	108.18	100.68	93.97
90.0	105.02	105.42	106.60	108.57	107.79	95.94	87.65	73.44	58.04
112.5	104.23	104.23	105.02	105.42	106.60	108.97	106.21	97.12	89.62
135.0	105.02	105.42	105.42	106.60	108.57	109.36	107.79	101.07	92.78
157.5	103.44	103.84	104.23	105.02	105.02	105.81	106.21	106.60	108.18
180.0	106.21	105.81	105.81	106.21	105.81	106.21	106.21	106.60	107.00
202.5	105.02	105.42	104.23	104.23	105.02	105.02	105.02	106.21	106.60
225.0	105.02	104.23	104.23	103.84	103.84	104.23	104.23	105.02	105.02
247.5	103.84	103.44	103.84	103.84	103.84	104.23	105.02	105.81	106.21
270.0	105.02	103.84	103.44	103.44	103.84	103.84	104.23	105.02	105.42
292.5	104.23	103.84	103.44	103.84	104.23	104.23	105.02	105.81	106.21
315.0	105.02	103.84	103.84	103.44	103.44	103.84	103.84	104.23	104.23
337.5	103.44	103.84	103.84	103.84	103.84	104.23	104.23	105.02	105.42
360.0	106.21	106.21	106.21	106.60	107.00	107.00	108.18	108.57	108.97
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	109.76	110.55	110.94	108.18	95.94	80.94	66.33	52.12	46.98
22.5	110.55	110.55	111.73	112.52	114.10	80.94	66.33	52.12	46.98
45.0	93.18	82.52	72.25	61.59	51.33	46.19	40.67	38.69	41.46
67.5	77.78	63.57	51.72	42.64	38.30	38.30	43.82	49.35	56.46
90.0	46.59	37.51	36.32	42.64	52.12	56.06	61.99	66.33	71.07
112.5	73.44	60.01	49.35	41.46	39.88	45.40	51.33	54.48	60.41
135.0	79.75	73.83	63.57	54.48	46.59	40.67	40.67	44.61	50.54
157.5	108.18	109.76	111.34	112.13	110.55	99.89	86.07	71.46	63.17
180.0	108.18	108.18	108.97	110.55	110.94	108.97	99.49	85.28	70.67
202.5	107.00	107.79	108.57	109.76	110.55	106.21	93.97	79.36	64.75
225.0	105.81	106.60	107.79	108.97	108.18	102.65	93.97	84.49	69.88
247.5	105.02	94.36	86.86	68.70	54.09	46.98	38.69	35.93	39.88
270.0	106.60	103.84	93.18	79.36	61.99	48.56	38.69	35.53	37.51
292.5	105.81	94.76	87.65	73.83	60.41	45.80	36.32	33.56	37.11
315.0	105.02	106.21	107.00	107.79	107.79	103.05	94.36	84.10	78.17
337.5	106.21	106.60	107.00	107.79	108.57	108.97	101.47	88.04	71.07
360.0	109.76	110.55	110.94	108.18	95.94	80.94	66.33	52.12	46.98
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	42.64	45.80	51.72	58.83	62.38	67.12	71.46	75.41	79.75
22.5	61.59	48.56	43.04	43.43	49.35	54.88	59.22	62.78	64.75
45.0	46.19	48.56	51.72	57.25	59.22	60.80	63.17	64.75	66.33
67.5	61.99	67.12	72.25	74.23	79.36	83.31	86.07	87.25	87.65
90.0	75.80	77.78	81.33	84.10	86.46	87.65	87.65	87.25	86.86
112.5	64.75	67.91	71.07	73.04	78.17	81.73	85.28	88.04	89.62
135.0	53.30	57.64	60.80	64.36	66.33	66.33	67.91	68.70	70.67
157.5	49.75	42.64	40.27	43.43	46.19	50.93	54.48	55.27	57.64
180.0	61.99	47.77	41.06	41.46	47.77	51.33	57.64	63.57	65.54
202.5	49.35	41.46	40.27	45.40	48.56	54.09	58.83	62.38	65.93
225.0	57.25	50.93	41.85	35.93	35.53	39.09	42.64	45.40	46.98
247.5	46.98	50.93	56.85	62.78	68.30	73.83	76.99	79.36	81.73
270.0	43.82	50.93	57.64	60.80	68.70	73.44	76.99	79.75	80.54
292.5	44.61	48.96	54.88	62.38	68.70	75.02	76.99	81.33	82.12
315.0	64.36	52.51	43.82	37.90	36.32	38.69	44.61	46.98	49.75
337.5	63.17	52.12	45.80	43.82	48.17	51.72	58.04	65.54	67.12
360.0	42.64	45.80	51.72	58.83	62.38	67.12	71.46	75.41	79.75

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	81.73	85.28	86.86	86.86	86.86	86.46	85.28	86.07	86.46
22.5	67.91	70.28	71.07	72.25	73.04	73.44	73.44	73.83	75.80
45.0	67.51	68.70	70.67	72.65	73.83	74.23	75.41	76.59	76.59
67.5	88.04	88.04	88.04	88.04	88.83	88.04	86.46	85.28	83.31
90.0	86.86	87.25	87.25	87.65	87.25	86.86	85.28	84.10	82.52
112.5	90.02	89.62	89.62	89.62	90.02	89.62	89.23	88.83	87.25
135.0	71.46	72.65	73.44	74.23	75.02	75.02	75.41	75.41	75.80
157.5	59.22	60.41	62.38	63.57	65.54	67.51	68.30	69.49	69.88
180.0	69.88	73.04	76.20	78.96	79.75	81.33	81.73	82.12	82.52
202.5	67.91	70.67	74.23	75.02	76.99	78.57	79.36	78.96	78.57
225.0	49.35	52.12	53.30	54.88	56.06	57.25	58.04	59.22	59.62
247.5	82.52	83.70	84.10	84.10	84.10	84.10	83.70	81.33	80.94
270.0	82.12	82.52	82.12	82.52	83.70	84.49	84.49	84.89	83.70
292.5	82.52	82.52	83.70	84.89	84.89	85.28	84.49	83.31	81.73
315.0	53.30	55.27	56.85	58.04	60.41	62.38	63.57	65.14	65.54
337.5	69.88	71.07	73.44	75.80	76.59	76.99	76.20	76.20	76.20
360.0	81.73	85.28	86.86	86.86	86.86	86.46	85.28	86.07	86.46
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	86.86	86.46	86.07	84.49	83.31	80.94	79.75	79.36	78.57
22.5	76.20	78.17	78.96	79.75	79.75	78.96	78.57	77.78	77.78
45.0	76.59	76.99	76.99	76.99	76.99	76.99	76.59	75.80	75.02
67.5	82.52	81.73	81.73	81.33	81.73	82.12	81.73	81.33	79.36
90.0	81.73	81.73	81.33	80.94	80.54	78.57	76.59	73.83	70.28
112.5	86.07	84.49	83.70	83.70	82.52	82.12	81.73	80.94	79.36
135.0	75.80	76.20	76.59	76.59	76.59	76.20	76.99	78.17	78.17
157.5	70.67	71.46	72.65	73.44	73.83	73.44	73.44	73.04	73.44
180.0	82.52	83.70	82.52	82.12	82.12	81.73	81.73	81.73	81.73
202.5	78.96	78.17	77.78	76.99	77.78	78.17	78.17	77.78	76.99
225.0	60.01	60.41	60.41	60.01	60.41	60.41	61.59	60.80	61.59
247.5	79.75	79.36	78.17	76.99	76.59	76.20	76.20	75.41	74.23
270.0	83.70	82.52	81.33	78.96	78.17	76.99	76.99	76.20	75.41
292.5	80.94	79.75	78.57	76.59	75.80	75.41	75.02	73.83	73.44
315.0	66.33	66.33	67.12	67.12	67.12	67.12	67.12	67.12	67.12
337.5	76.59	76.99	78.57	79.36	79.36	78.57	76.99	76.20	76.20
360.0	86.86	86.46	86.07	84.49	83.31	80.94	79.75	79.36	78.57
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	77.78	76.59	75.80	75.41	75.02	75.02	74.23	73.83	73.44
22.5	78.17	78.57	78.57	78.17	77.78	76.99	76.20	75.80	75.80
45.0	73.44	73.04	72.25	71.46	71.07	70.28	68.30	65.14	63.17
67.5	76.59	73.44	71.46	67.51	63.57	59.62	56.46	54.09	49.35
90.0	67.91	63.57	59.62	56.06	50.93	48.56	43.43	37.90	35.53
112.5	76.99	75.02	72.65	67.91	64.75	60.41	56.06	51.33	47.77
135.0	78.17	77.78	76.99	76.20	75.41	73.83	72.65	69.88	65.93
157.5	73.44	72.65	73.04	73.04	73.04	73.04	73.04	73.04	72.65
180.0	81.73	81.73	82.52	81.73	79.75	78.96	76.59	75.80	75.02
202.5	77.78	78.17	77.78	77.78	77.78	77.78	77.78	76.59	76.20
225.0	60.41	60.80	60.80	60.80	60.41	60.01	59.62	59.62	58.04
247.5	73.44	73.04	71.07	69.49	65.93	64.36	59.62	54.88	53.30
270.0	74.23	73.44	72.25	68.70	66.33	62.78	59.62	57.25	50.93
292.5	73.04	71.46	70.67	68.70	65.14	62.78	60.01	56.85	53.30
315.0	67.12	67.12	67.12	67.12	67.12	67.12	65.93	65.54	64.36
337.5	76.59	75.41	74.23	74.23	73.83	73.44	72.25	72.25	71.46
360.0	77.78	76.59	75.80	75.41	75.02	75.02	74.23	73.83	73.44

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	71.07	66.33	64.36	59.62	54.48	49.35	43.43	40.27	35.53
22.5	75.41	75.41	75.41	74.23	70.67	64.75	60.80	40.27	35.53
45.0	60.41	56.85	52.51	48.56	45.40	41.06	36.32	34.35	30.01
67.5	43.43	40.67	36.32	31.98	28.03	24.08	22.11	18.16	15.79
90.0	31.59	28.03	24.87	20.93	18.95	16.19	13.82	12.63	11.45
112.5	43.82	41.06	36.32	31.59	28.03	24.48	22.50	18.95	15.40
135.0	62.38	58.83	54.09	51.33	46.98	43.43	37.90	32.77	30.40
157.5	71.46	69.88	68.30	64.36	60.80	57.25	52.51	49.75	44.61
180.0	73.44	71.07	67.91	65.93	60.41	56.46	51.72	46.98	44.61
202.5	75.02	70.67	69.49	65.54	62.38	56.46	50.93	48.56	43.82
225.0	56.85	54.88	52.51	49.35	46.59	43.82	42.64	38.69	35.53
247.5	49.35	45.80	41.85	37.11	34.74	30.80	27.64	24.08	20.93
270.0	46.98	44.61	40.27	36.32	32.77	29.22	27.24	23.29	19.74
292.5	48.96	45.40	41.06	36.32	34.35	30.40	27.24	24.08	20.14
315.0	63.17	61.59	60.01	57.64	55.27	52.51	48.96	46.98	42.64
337.5	71.46	69.88	68.30	67.51	64.75	61.59	57.25	51.72	49.35
360.0	71.07	66.33	64.36	59.62	54.48	49.35	43.43	40.27	35.53
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.59	24.87	20.14	18.16	13.03	9.87	8.69	7.90	7.11
22.5	44.22	38.69	35.53	29.61	24.87	19.74	16.58	14.21	11.05
45.0	25.27	21.71	18.56	16.58	13.42	11.45	10.66	9.08	8.69
67.5	13.42	11.84	11.05	10.27	9.87	8.69	8.29	7.90	7.50
90.0	10.66	10.27	9.87	8.69	8.29	7.90	7.50	7.11	7.11
112.5	14.21	12.63	11.45	10.66	9.87	9.87	9.08	8.69	7.90
135.0	26.06	22.11	18.95	14.61	12.63	10.27	8.69	8.29	7.90
157.5	40.27	35.53	30.01	25.27	21.71	18.16	16.19	13.03	10.27
180.0	38.69	33.56	29.61	24.48	20.93	16.98	14.21	11.84	9.87
202.5	38.69	33.16	28.82	26.45	22.11	18.56	14.61	11.45	9.87
225.0	32.77	29.61	27.64	24.08	20.93	18.16	15.40	14.61	12.63
247.5	18.56	16.19	13.42	12.63	11.05	9.87	8.69	8.29	7.90
270.0	17.37	15.40	13.03	11.45	9.87	9.08	8.69	7.90	7.50
292.5	18.95	16.19	13.03	11.84	11.05	10.27	8.69	8.29	7.90
315.0	37.90	35.53	30.80	27.24	23.69	20.93	18.95	15.79	13.42
337.5	45.40	40.27	35.53	29.61	25.27	20.93	16.19	13.82	11.05
360.0	31.59	24.87	20.14	18.16	13.03	9.87	8.69	7.90	7.11
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.92	5.53	5.13	4.34	4.34	3.55	3.16	2.76	2.37
22.5	8.69	8.29	7.50	7.11	6.32	5.92	5.92	5.53	5.13
45.0	8.29	7.50	7.50	7.11	6.32	5.92	5.53	5.53	4.74
67.5	7.50	7.11	6.32	6.32	5.92	5.53	5.53	5.13	5.13
90.0	6.32	5.92	5.53	5.53	5.53	5.13	5.13	4.74	4.74
112.5	7.90	7.11	7.11	6.32	6.32	5.53	5.53	5.13	5.13
135.0	7.50	7.11	7.11	6.32	5.92	5.92	5.53	5.13	5.13
157.5	9.08	8.29	7.90	7.50	7.11	6.32	5.92	5.53	5.53
180.0	8.29	7.50	7.11	5.92	5.53	5.13	5.13	4.34	3.55
202.5	8.69	7.90	7.90	7.11	7.11	5.92	5.53	5.13	5.13
225.0	10.66	9.87	8.29	8.29	7.50	7.11	6.32	5.92	5.53
247.5	7.50	6.32	7.11	5.92	5.92	5.53	5.13	5.13	4.74
270.0	6.32	6.32	5.92	5.53	5.13	4.74	4.34	3.55	3.55
292.5	7.50	7.11	6.32	5.92	5.92	5.53	5.53	5.13	4.74
315.0	11.45	9.87	9.08	7.90	7.50	7.11	6.32	5.53	5.13
337.5	9.08	8.29	7.50	7.11	6.32	5.92	5.53	5.13	4.74
360.0	5.92	5.53	5.13	4.34	4.34	3.55	3.16	2.76	2.37

Intensity data(cd)

Appendix Page: 19 Total:22

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.97	1.97	1.97	1.97	1.58	1.58	1.58	1.58	0.79
22.5	4.74	4.34	4.34	4.34	3.16	3.55	3.55	3.16	3.16
45.0	4.74	4.74	4.34	4.34	3.55	3.16	3.16	3.16	3.16
67.5	5.13	4.74	4.74	4.34	4.34	3.55	3.55	3.55	3.16
90.0	4.74	4.34	3.16	3.16	2.76	2.37	2.37	2.37	1.97
112.5	5.13	4.74	4.74	4.34	4.34	4.34	3.16	3.16	2.76
135.0	5.13	4.74	4.34	4.34	3.55	3.55	3.55	3.16	3.16
157.5	5.13	4.74	4.74	4.34	4.34	3.55	3.55	3.55	3.16
180.0	3.55	3.16	3.16	2.76	2.37	2.37	1.97	1.97	1.58
202.5	4.74	4.74	4.34	3.55	3.55	3.55	3.16	3.16	3.16
225.0	5.13	5.13	4.74	4.74	4.34	4.34	3.55	3.55	3.55
247.5	4.74	4.74	4.34	4.34	3.55	3.55	3.55	3.16	3.16
270.0	3.55	3.16	2.76	2.76	2.76	2.76	2.37	2.37	1.97
292.5	4.74	4.34	4.34	4.34	4.34	3.55	3.55	3.55	3.16
315.0	5.13	5.13	4.74	4.74	4.34	4.34	4.34	3.55	3.55
337.5	4.74	4.34	4.34	3.55	3.16	3.55	3.16	3.16	3.16
360.0	1.97	1.97	1.97	1.97	1.58	1.58	1.58	1.58	0.79
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.79	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39
22.5	2.76	2.37	2.37	1.97	2.37	1.97	1.97	1.97	1.58
45.0	2.37	2.76	2.76	2.76	2.37	2.37	2.37	1.97	1.97
67.5	2.76	2.76	2.76	2.76	2.37	2.37	1.97	2.37	1.97
90.0	1.97	1.97	1.97	1.58	1.58	1.58	1.58	1.58	0.79
112.5	2.76	3.16	2.37	2.37	2.37	2.37	1.97	2.37	1.97
135.0	3.16	2.76	2.76	2.76	2.37	2.37	2.37	1.97	2.37
157.5	3.16	2.76	2.76	2.76	2.76	2.37	2.37	1.97	2.37
180.0	1.58	1.58	0.79	0.79	0.79	0.79	0.79	0.79	0.79
202.5	3.16	2.76	2.37	2.37	2.37	2.37	1.97	1.97	2.37
225.0	3.16	3.16	3.16	2.76	2.76	2.37	2.76	2.37	2.37
247.5	3.16	2.76	2.76	2.76	2.37	2.37	2.37	2.37	2.37
270.0	2.37	1.97	1.97	1.58	1.58	1.97	1.58	1.58	1.58
292.5	3.16	2.76	2.76	2.76	2.76	2.37	2.37	2.37	2.37
315.0	3.55	3.16	3.16	2.76	3.16	2.76	2.76	2.37	1.97
337.5	2.76	2.76	2.37	2.37	2.37	2.37	2.37	1.97	1.97
360.0	0.79	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
22.5	1.58	1.58	1.97	0.79	1.58	1.58	1.58	1.58	0.79
45.0	1.58	1.97	1.97	1.97	1.97	1.58	0.79	1.58	1.58
67.5	1.97	1.97	1.97	1.58	1.97	1.58	1.58	1.58	1.58
90.0	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39	0.39
112.5	1.97	1.97	1.97	1.58	1.58	1.58	1.58	1.58	0.79
135.0	1.97	1.97	1.97	1.58	1.97	1.58	1.58	1.58	1.58
157.5	1.97	1.97	1.97	1.58	1.58	1.58	1.58	1.58	1.58
180.0	0.79	0.39	0.79	0.79	0.39	0.39	0.39	0.39	0.39
202.5	1.97	1.58	1.97	1.97	1.58	0.79	1.58	1.58	1.58
225.0	2.37	1.97	2.37	2.37	1.97	1.97	1.97	1.58	1.58
247.5	1.97	1.97	1.97	1.97	1.97	1.58	1.58	1.58	1.58
270.0	1.58	1.58	1.58	0.79	0.79	0.79	0.79	0.79	0.79
292.5	1.97	2.37	1.97	1.58	1.97	1.58	1.97	1.58	1.58
315.0	2.37	2.37	1.97	1.97	1.97	1.58	1.97	1.58	1.58
337.5	1.97	1.58	1.97	1.58	0.79	1.58	1.58	1.58	1.58
360.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39

Intensity data(cd)

Appendix Page: 20 Total:22

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.39	0.39	0.39	0.00	0.00	0.39	0.00	0.00	0.00
22.5	0.79	0.79	0.79	0.79	0.39	0.79	0.79	0.79	0.79
45.0	1.58	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
67.5	1.58	0.79	1.58	0.79	0.79	0.79	0.79	0.79	0.79
90.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
112.5	1.58	0.79	1.58	1.58	0.79	0.79	0.79	0.39	0.79
135.0	0.79	1.58	0.79	1.58	1.58	1.58	1.58	0.79	0.79
157.5	1.58	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
180.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.00
202.5	0.79	1.58	0.79	0.79	0.79	0.79	0.79	0.79	0.79
225.0	1.58	1.97	1.58	0.79	1.58	1.58	1.58	1.58	0.79
247.5	1.58	1.58	1.58	1.58	0.79	1.58	1.58	0.79	0.79
270.0	0.79	0.39	0.79	0.79	0.79	0.39	0.39	0.39	0.39
292.5	1.58	1.58	1.58	1.58	0.79	1.58	0.79	0.79	0.79
315.0	1.58	1.97	1.58	1.58	1.58	1.58	1.58	0.79	0.79
337.5	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
360.0	0.39	0.39	0.39	0.00	0.00	0.39	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	0.79	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.79
45.0	0.39	0.79	0.79	0.79	0.39	0.79	0.79	0.79	0.39
67.5	0.79	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39
90.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
112.5	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39	0.79
135.0	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.39
157.5	0.79	0.79	0.79	0.79	0.39	0.39	0.39	0.39	0.39
180.0	0.39	0.39	0.39	0.00	0.00	0.39	0.00	0.39	0.00
202.5	0.39	0.39	0.79	0.79	0.79	0.39	0.39	0.39	0.39
225.0	0.79	0.79	0.79	1.58	0.79	0.79	0.79	0.79	0.79
247.5	1.58	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
270.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
292.5	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.39	0.79
315.0	0.79	0.79	0.79	0.79	0.79	1.58	0.79	0.79	0.79
337.5	0.39	0.39	0.79	0.79	0.39	0.39	0.39	0.39	0.39
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	0.39	0.39	0.39	0.00	0.39	0.39	0.39	0.00	0.00
45.0	0.79	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
67.5	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
90.0	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.39	0.39	0.39	0.39	0.39	0.00	0.39	0.39	0.00
135.0	0.79	0.39	0.39	0.79	0.39	0.39	0.39	0.39	0.39
157.5	0.39	0.39	0.39	0.79	0.39	0.39	0.39	0.39	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.39	0.39	0.39	0.39	0.39	0.39	0.00	0.00	0.39
225.0	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39	0.39
247.5	0.79	0.79	0.39	0.39	0.39	0.79	0.39	0.39	0.39
270.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
292.5	0.39	0.79	0.39	0.39	0.39	0.39	0.39	0.39	0.39
315.0	0.79	0.79	0.79	0.79	0.79	0.39	0.39	0.39	0.79
337.5	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
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:22

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	0.39	0.00	0.00	0.00
45.0	0.39	0.39	0.39	0.00	0.00	0.00	0.39	0.00	0.00
67.5	0.39	0.39	0.00	0.39	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	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.39
135.0	0.39	0.39	0.39	0.39	0.39	0.39	0.00	0.39	0.00
157.5	0.39	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	0.39	0.00	0.39	0.39	0.00	0.00	0.00	0.00	0.00
225.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
247.5	0.39	0.39	0.39	0.39	0.39	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	0.39	0.39	0.39	0.39	0.39	0.39	0.00	0.00	0.00
315.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
337.5	0.39	0.39	0.39	0.00	0.39	0.00	0.00	0.00	0.39
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	0.39	0.00	0.39	0.39	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	0.39	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	0.39	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	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.39	0.39	0.39	0.39	0.39	0.39	0.00	0.00	0.00
247.5	0.39	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	0.39	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.39	0.39	0.00	0.39	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

Intensity data(cd)

Appendix Page: 22 Total:22

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								