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Client:

LumCAT: B3909-TBK

Luminaire:

Report No:

Ballast type:

Test No: BST24062901-9

Voltage(V): 120.000

LampCAT:

Current(A): 0.075

Lamp flux(lm): 740.0

Power (W): 8.586

Number of Lamps: 1

PF: 0.952

Length(mm): 180

Width(mm): 180

Phm Type: C

Height(mm): 0

#### Photometric Results

Lumens(lm): 330.95, Efficiency(%): 44.72% , Luminous Efficacy(lm/W): 38.55

Central intensity(cd): 115.75, Maximum intensity(cd): 125.78

Angle of maximum intensity:  $C=0.0$   $\gamma=2.0$

Beam Angle(50%Imax): [C0/180]Total=104.2

[C90/270]Total=119.9

Field angle(10%Imax): [C0/180]Total=140.0

[C90/270]Total=148.1

Maximum s/h(1/2): C0\_180=1.48 C90\_270=1.37

Maximum s/h(1/4): C0\_180=1.45 C90\_270=1.56

Up flux rate of lamp(%): 0.04%

Down flux rate of lamp(%): 44.68%

Up flux rate of LUM(%): 0.09%

Down flux rate of LUM(%): 99.91%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 87.665%

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

Date: 2024-06-29  
Humidity(%): 59.0%

Operator: Liao  
Distance(m): 10.87

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	115.749	0.000	0.000	0.000%	0.000%
1.0	115.742	0.111	0.111	0.015%	0.033%
2.0	115.727	0.332	0.443	0.045%	0.134%
3.0	115.661	0.553	0.996	0.075%	0.301%
4.0	115.602	0.774	1.771	0.105%	0.535%
5.0	115.498	0.994	2.765	0.134%	0.835%
6.0	115.395	1.213	3.978	0.164%	1.202%
7.0	115.269	1.432	5.410	0.193%	1.635%
8.0	115.122	1.649	7.059	0.223%	2.133%
9.0	114.937	1.865	8.923	0.252%	2.696%
10.0	114.708	2.078	11.001	0.281%	3.324%
11.0	114.524	2.290	13.292	0.310%	4.016%
12.0	114.228	2.501	15.792	0.338%	4.772%
13.0	113.962	2.708	18.501	0.366%	5.590%
14.0	113.711	2.914	21.415	0.394%	6.471%
15.0	113.379	3.118	24.532	0.421%	7.413%
16.0	113.047	3.318	27.850	0.448%	8.415%
17.0	112.707	3.516	31.366	0.475%	9.478%
18.0	112.316	3.710	35.076	0.501%	10.599%
19.0	111.968	3.902	38.978	0.527%	11.778%
20.0	111.562	4.091	43.069	0.553%	13.014%
21.0	111.200	4.277	47.347	0.578%	14.306%
22.0	110.779	4.461	51.807	0.603%	15.654%
23.0	110.344	4.640	56.447	0.627%	17.056%
24.0	109.997	4.817	61.265	0.651%	18.512%
25.0	109.531	4.992	66.256	0.675%	20.020%
26.0	109.155	5.162	71.418	0.698%	21.580%
27.0	108.786	5.332	76.750	0.721%	23.191%
28.0	108.365	5.498	82.248	0.743%	24.852%
29.0	108.040	5.662	87.910	0.765%	26.563%
30.0	107.619	5.823	93.733	0.787%	28.322%
31.0	107.198	5.978	99.711	0.808%	30.129%
32.0	106.873	6.133	105.843	0.829%	31.982%
33.0	106.400	6.283	112.127	0.849%	33.880%
34.0	105.987	6.427	118.554	0.869%	35.823%
35.0	105.455	6.567	125.121	0.887%	37.807%
36.0	104.687	6.691	131.812	0.904%	39.829%
37.0	104.089	6.809	138.621	0.920%	41.886%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	103.136	6.917	145.538	0.935%	43.976%
39.0	102.058	7.004	152.541	0.946%	46.092%
40.0	100.921	7.079	159.621	0.957%	48.231%
41.0	99.606	7.141	166.761	0.965%	50.389%
42.0	98.277	7.189	173.951	0.972%	52.561%
43.0	96.970	7.233	181.183	0.977%	54.747%
44.0	95.493	7.264	188.447	0.982%	56.942%
45.0	94.023	7.283	195.731	0.984%	59.142%
46.0	92.133	7.280	203.011	0.984%	61.342%
47.0	90.006	7.244	210.255	0.979%	63.531%
48.0	87.953	7.194	217.449	0.972%	65.705%
49.0	85.169	7.109	224.558	0.961%	67.853%
50.0	82.673	6.998	231.556	0.946%	69.968%
51.0	79.475	6.860	238.416	0.927%	72.041%
52.0	76.137	6.677	245.094	0.902%	74.058%
53.0	72.932	6.485	251.578	0.876%	76.018%
54.0	69.137	6.262	257.840	0.846%	77.910%
55.0	66.020	6.033	263.873	0.815%	79.733%
56.0	62.320	5.799	269.673	0.784%	81.485%
57.0	58.288	5.515	275.187	0.745%	83.151%
58.0	55.157	5.246	280.433	0.709%	84.737%
59.0	51.347	4.979	285.412	0.673%	86.241%
60.0	48.393	4.712	290.125	0.637%	87.665%
61.0	44.914	4.453	294.577	0.602%	89.010%
62.0	41.355	4.157	298.734	0.562%	90.266%
63.0	38.623	3.890	302.624	0.526%	91.442%
64.0	35.122	3.619	306.243	0.489%	92.535%
65.0	32.345	3.339	309.582	0.451%	93.544%
66.0	29.613	3.091	312.673	0.418%	94.478%
67.0	26.415	2.817	315.490	0.381%	95.329%
68.0	23.927	2.550	318.040	0.345%	96.100%
69.0	20.604	2.272	320.312	0.307%	96.786%
70.0	17.886	1.977	322.289	0.267%	97.384%
71.0	15.767	1.739	324.028	0.235%	97.909%
72.0	13.211	1.507	325.535	0.204%	98.365%
73.0	11.151	1.274	326.809	0.172%	98.749%
74.0	8.987	1.059	327.868	0.143%	99.069%
75.0	7.178	0.854	328.722	0.115%	99.327%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.612	0.679	329.401	0.092%	99.533%
77.0	3.877	0.506	329.907	0.068%	99.685%
78.0	2.467	0.340	330.246	0.046%	99.788%
79.0	1.425	0.209	330.455	0.028%	99.851%
80.0	0.694	0.114	330.570	0.015%	99.886%
81.0	0.318	0.055	330.624	0.007%	99.902%
82.0	0.096	0.022	330.647	0.003%	99.909%
83.0	0.044	0.008	330.654	0.001%	99.911%
84.0	0.022	0.004	330.658	0.000%	99.913%
85.0	0.015	0.002	330.660	0.000%	99.913%
86.0	0.007	0.001	330.661	0.000%	99.913%
87.0	0.007	0.001	330.662	0.000%	99.914%
88.0	0.007	0.001	330.663	0.000%	99.914%
89.0	0.000	0.000	330.663	0.000%	99.914%
90.0	0.000	0.000	330.663	0.000%	99.914%
91.0	0.000	0.000	330.663	0.000%	99.914%
92.0	0.000	0.000	330.663	0.000%	99.914%
93.0	0.000	0.000	330.663	0.000%	99.914%
94.0	0.000	0.000	330.663	0.000%	99.914%
95.0	0.000	0.000	330.663	0.000%	99.914%
96.0	0.000	0.000	330.663	0.000%	99.914%
97.0	0.000	0.000	330.663	0.000%	99.914%
98.0	0.000	0.000	330.663	0.000%	99.914%
99.0	0.000	0.000	330.663	0.000%	99.914%
100.0	0.000	0.000	330.663	0.000%	99.914%
101.0	0.000	0.000	330.663	0.000%	99.914%
102.0	0.000	0.000	330.663	0.000%	99.914%
103.0	0.000	0.000	330.663	0.000%	99.914%
104.0	0.000	0.000	330.663	0.000%	99.914%
105.0	0.000	0.000	330.663	0.000%	99.914%
106.0	0.000	0.000	330.663	0.000%	99.914%
107.0	0.000	0.000	330.663	0.000%	99.914%
108.0	0.000	0.000	330.663	0.000%	99.914%
109.0	0.000	0.000	330.663	0.000%	99.914%
110.0	0.000	0.000	330.663	0.000%	99.914%
111.0	0.000	0.000	330.663	0.000%	99.914%
112.0	0.000	0.000	330.663	0.000%	99.914%
113.0	0.000	0.000	330.663	0.000%	99.914%

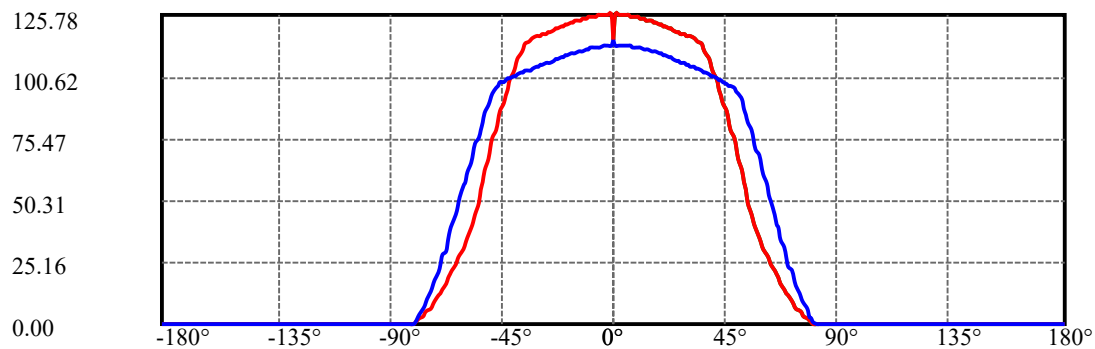
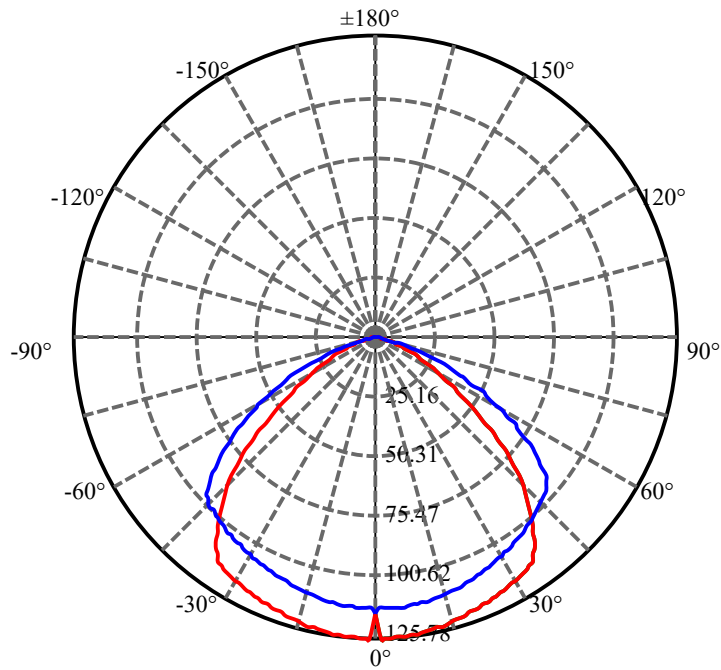
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	330.663	0.000%	99.914%
115.0	0.000	0.000	330.663	0.000%	99.914%
116.0	0.000	0.000	330.663	0.000%	99.914%
117.0	0.000	0.000	330.663	0.000%	99.914%
118.0	0.000	0.000	330.663	0.000%	99.914%
119.0	0.000	0.000	330.663	0.000%	99.914%
120.0	0.000	0.000	330.663	0.000%	99.914%
121.0	0.000	0.000	330.663	0.000%	99.914%
122.0	0.000	0.000	330.663	0.000%	99.914%
123.0	0.000	0.000	330.663	0.000%	99.914%
124.0	0.000	0.000	330.663	0.000%	99.914%
125.0	0.000	0.000	330.663	0.000%	99.914%
126.0	0.000	0.000	330.663	0.000%	99.914%
127.0	0.007	0.000	330.664	0.000%	99.914%
128.0	0.000	0.000	330.664	0.000%	99.914%
129.0	0.000	0.000	330.664	0.000%	99.914%
130.0	0.007	0.000	330.664	0.000%	99.914%
131.0	0.007	0.001	330.665	0.000%	99.915%
132.0	0.015	0.001	330.666	0.000%	99.915%
133.0	0.022	0.001	330.667	0.000%	99.915%
134.0	0.015	0.001	330.669	0.000%	99.916%
135.0	0.015	0.001	330.670	0.000%	99.916%
136.0	0.044	0.002	330.672	0.000%	99.917%
137.0	0.066	0.004	330.676	0.001%	99.918%
138.0	0.074	0.005	330.681	0.001%	99.920%
139.0	0.074	0.005	330.687	0.001%	99.921%
140.0	0.089	0.006	330.693	0.001%	99.923%
141.0	0.089	0.006	330.699	0.001%	99.925%
142.0	0.089	0.006	330.705	0.001%	99.927%
143.0	0.118	0.007	330.712	0.001%	99.929%
144.0	0.126	0.008	330.720	0.001%	99.931%
145.0	0.111	0.008	330.727	0.001%	99.933%
146.0	0.126	0.007	330.735	0.001%	99.936%
147.0	0.133	0.008	330.742	0.001%	99.938%
148.0	0.133	0.008	330.750	0.001%	99.940%
149.0	0.140	0.008	330.758	0.001%	99.943%
150.0	0.148	0.008	330.766	0.001%	99.945%
151.0	0.148	0.008	330.774	0.001%	99.948%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.148	0.008	330.782	0.001%	99.950%
153.0	0.170	0.008	330.790	0.001%	99.952%
154.0	0.170	0.008	330.798	0.001%	99.955%
155.0	0.199	0.009	330.807	0.001%	99.957%
156.0	0.199	0.009	330.816	0.001%	99.960%
157.0	0.236	0.010	330.825	0.001%	99.963%
158.0	0.236	0.010	330.835	0.001%	99.966%
159.0	0.236	0.009	330.845	0.001%	99.969%
160.0	0.229	0.009	330.854	0.001%	99.972%
161.0	0.236	0.009	330.862	0.001%	99.974%
162.0	0.244	0.008	330.871	0.001%	99.977%
163.0	0.244	0.008	330.879	0.001%	99.979%
164.0	0.244	0.008	330.886	0.001%	99.981%
165.0	0.244	0.007	330.893	0.001%	99.984%
166.0	0.244	0.007	330.900	0.001%	99.986%
167.0	0.251	0.006	330.906	0.001%	99.988%
168.0	0.244	0.006	330.912	0.001%	99.989%
169.0	0.244	0.005	330.918	0.001%	99.991%
170.0	0.258	0.005	330.923	0.001%	99.992%
171.0	0.251	0.005	330.927	0.001%	99.994%
172.0	0.258	0.004	330.931	0.001%	99.995%
173.0	0.266	0.004	330.935	0.001%	99.996%
174.0	0.266	0.003	330.938	0.000%	99.997%
175.0	0.258	0.003	330.941	0.000%	99.998%
176.0	0.258	0.002	330.943	0.000%	99.999%
177.0	0.266	0.002	330.945	0.000%	99.999%
178.0	0.273	0.001	330.946	0.000%	100.000%
179.0	0.281	0.001	330.947	0.000%	100.000%
180.0	0.251	0.000	330.948	0.000%	100.000%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	93.73	12.67%	28.32%
0-40	159.62	21.57%	48.23%
0-60	290.12	39.21%	87.66%
0-90	330.66	44.68%	99.91%
0-120	330.66	44.68%	99.91%
0-180	330.95	44.72%	100.00%
60-90	40.54	5.48%	12.25%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.10	0.01%	0.03%
90-180	0.28	0.04%	0.09%
0-55.15	264.76	35.78%	80.00%

ZONAL LUMEN SUMMARY

0-10	11.00
10-20	32.07
20-30	50.66
30-40	65.89
40-50	71.94
50-60	58.57
60-70	32.16
70-80	8.28
80-90	0.09
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.03
140-150	0.07
150-160	0.09
160-170	0.07
170-180	0.02



C0(Max):

C0/C180:

C90/C270:

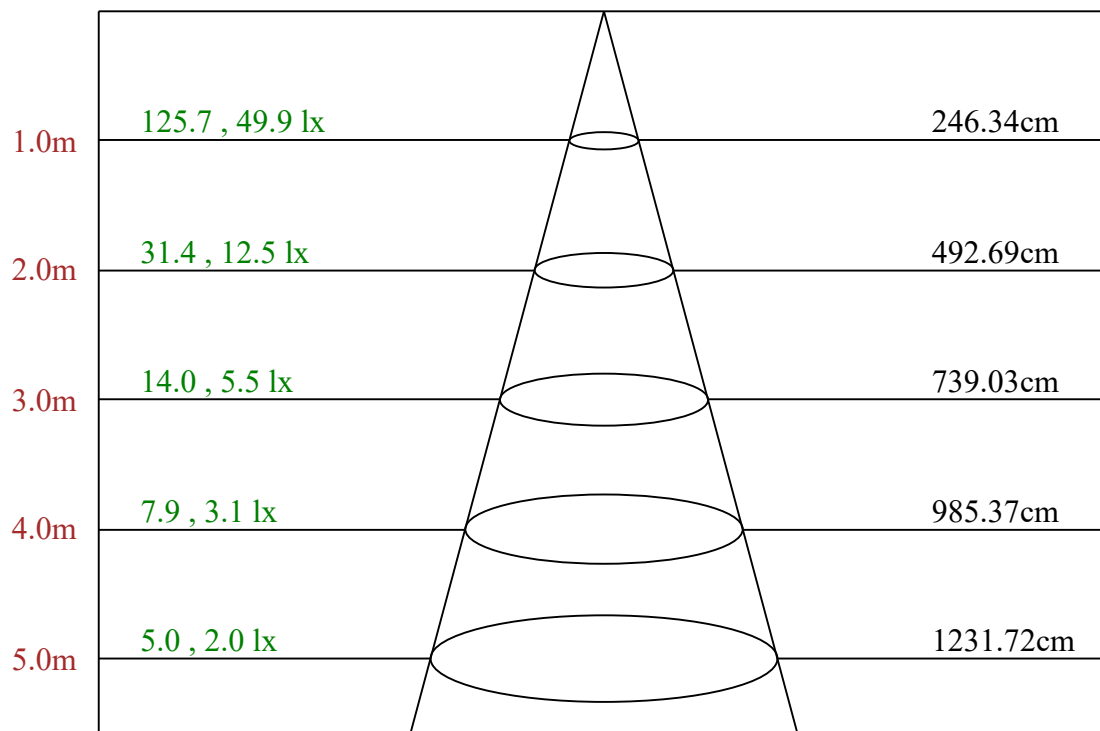
Field angle(10%Imax):C0/180Left:70.0 Right:70.0

:C90/270Left:73.7 Right:74.4

Beam Angle(50%Imax):C0/180Left:52.1 Right:52.1

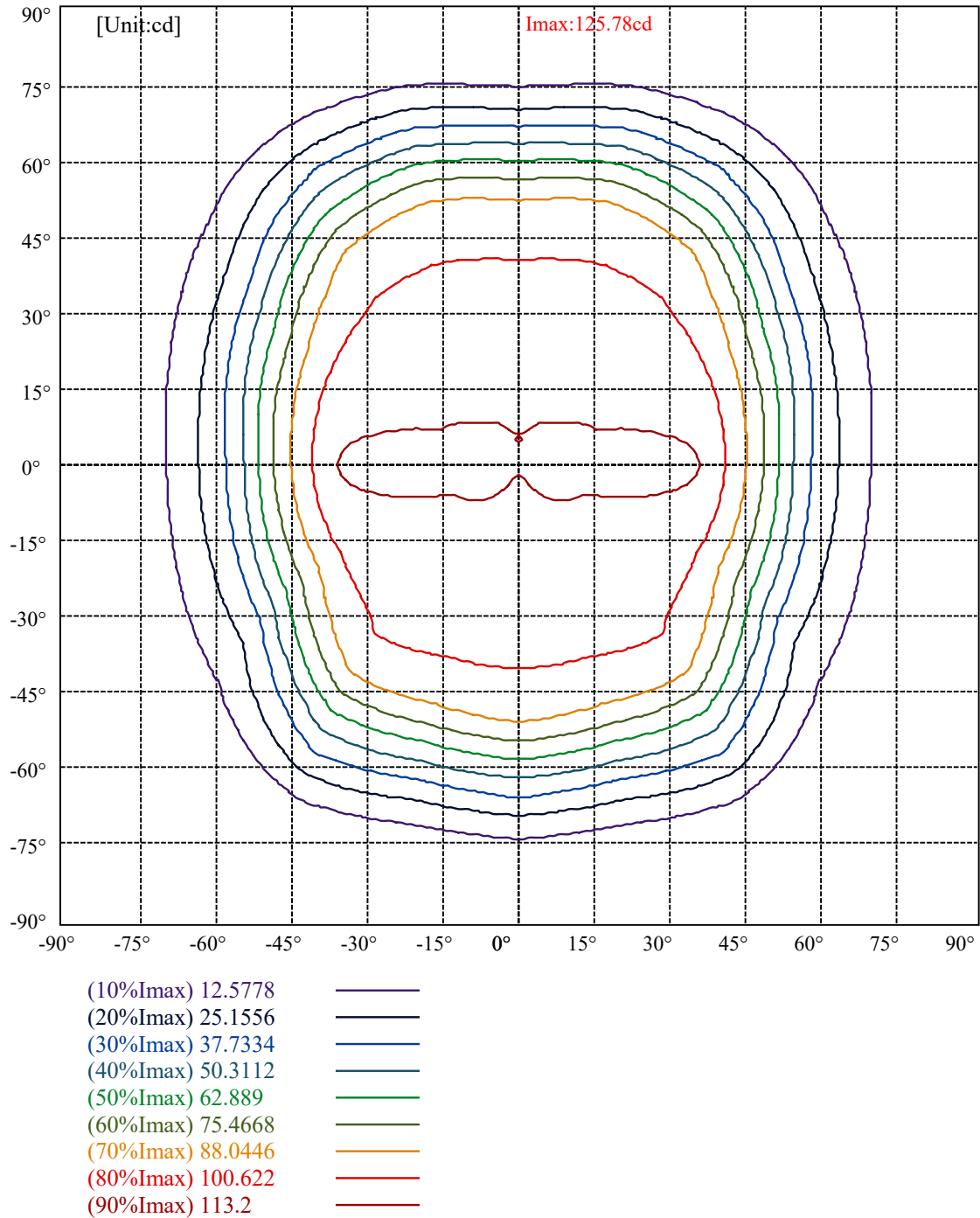
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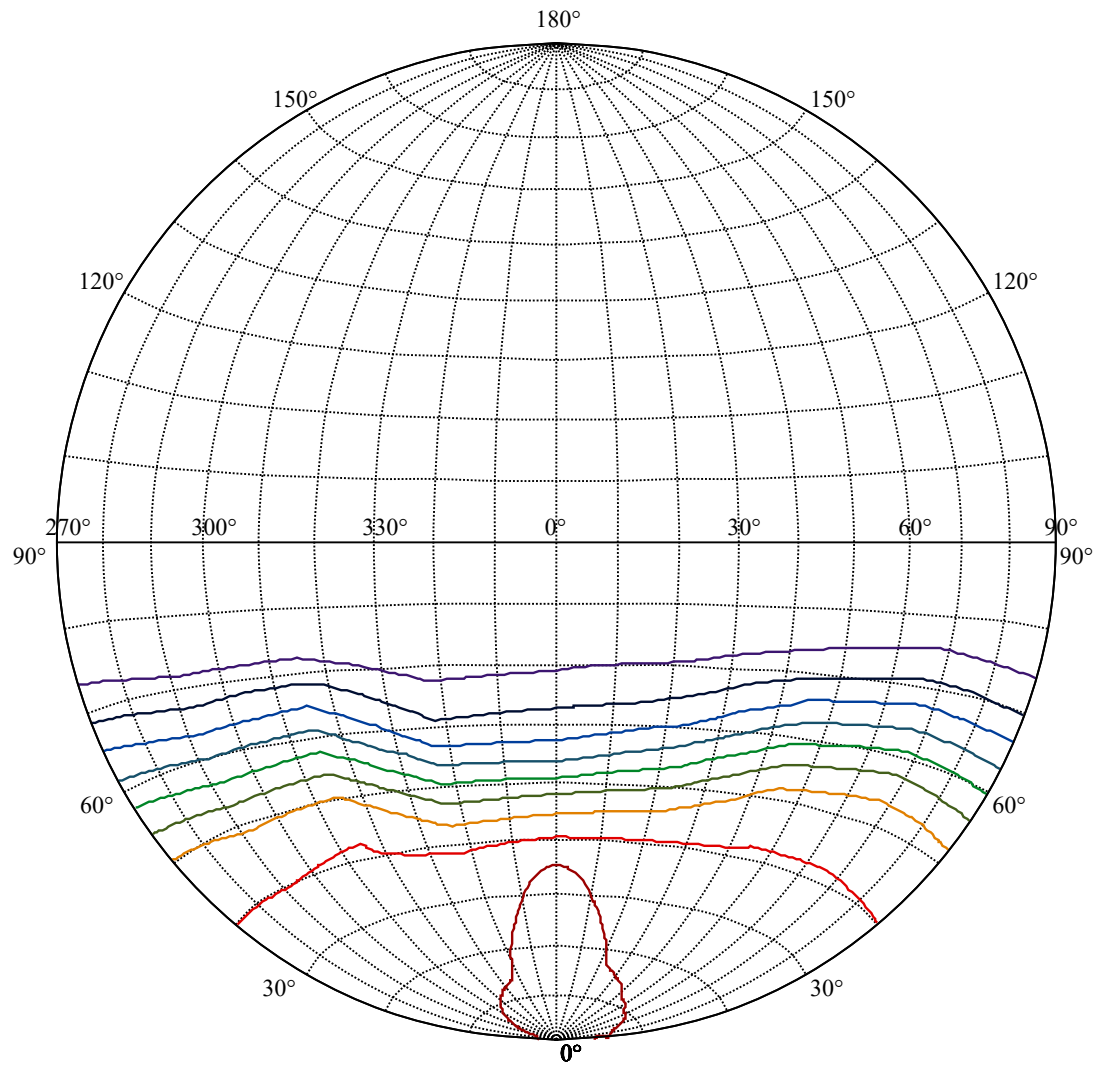




Max , Ave

Beam angle of C0 plane 101.86



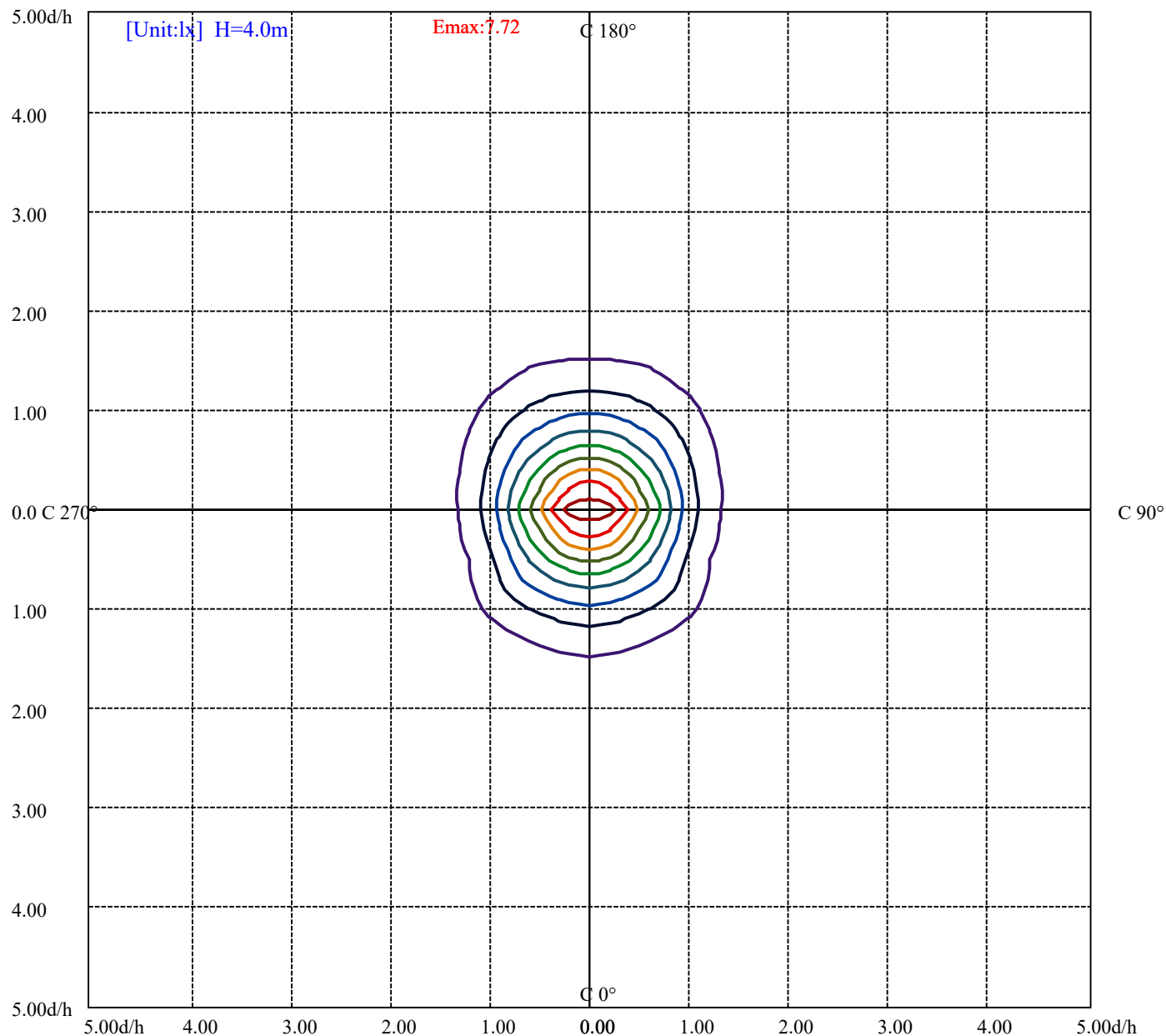


House

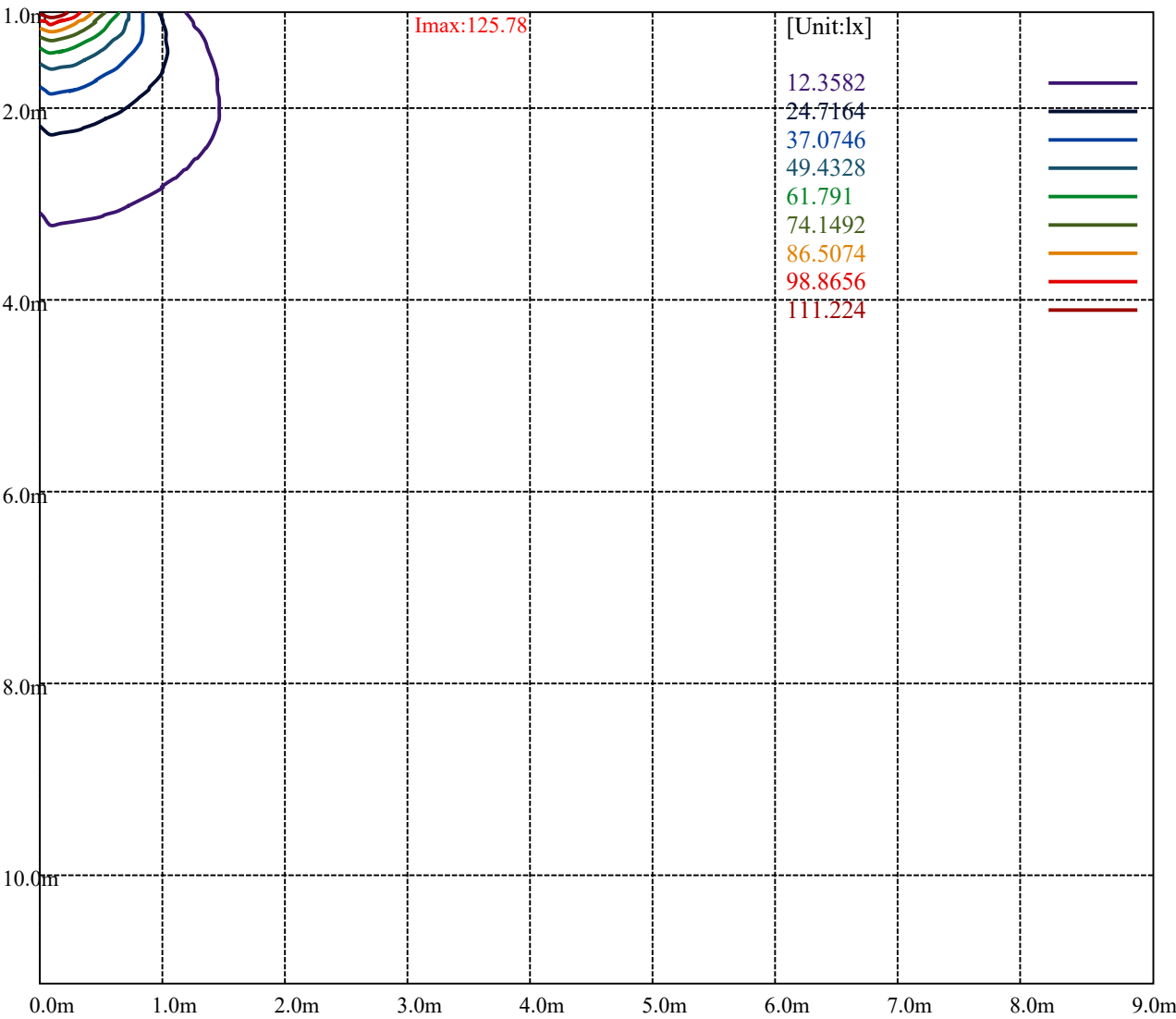
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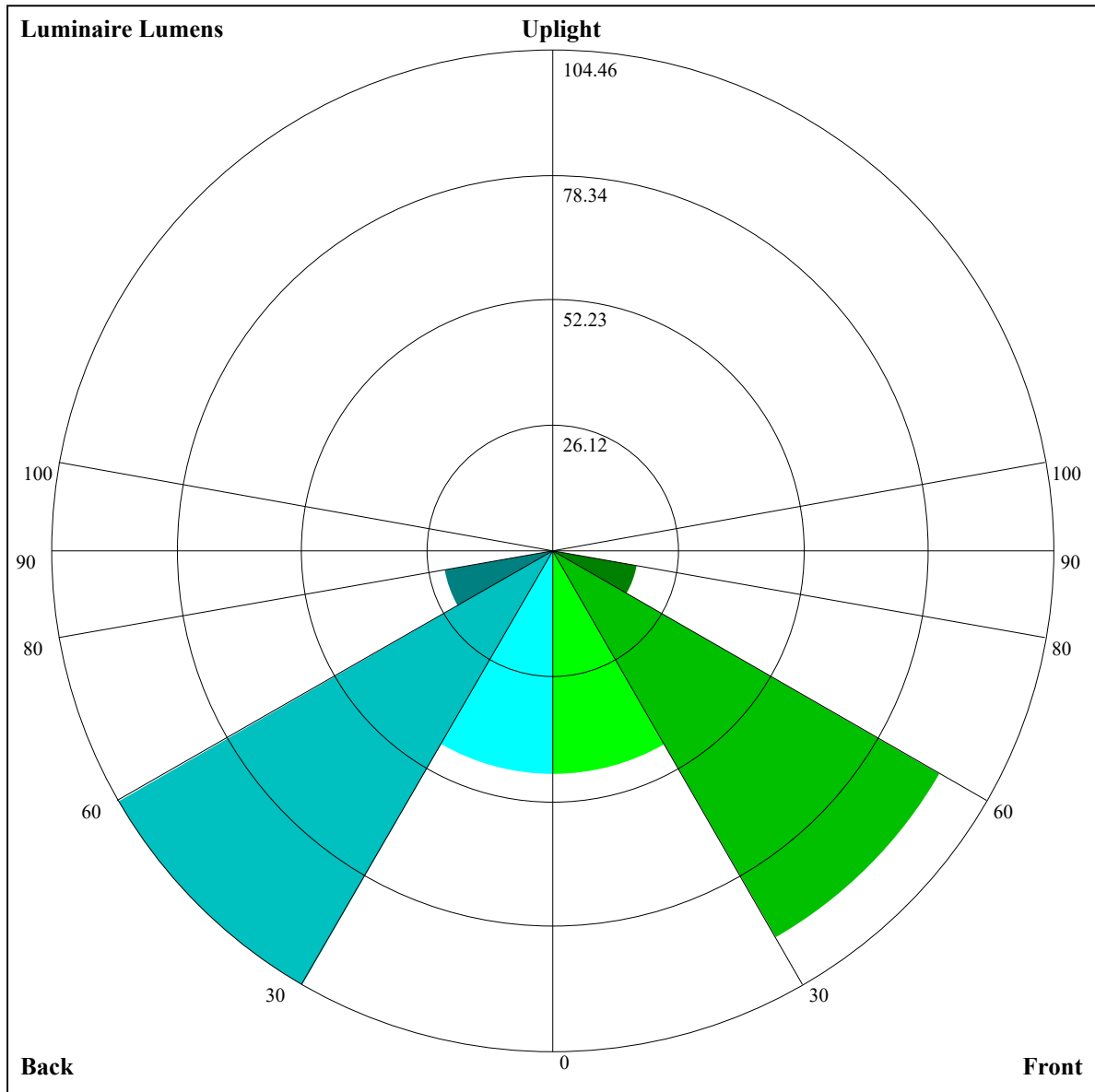
Road

Imax:125.78	
(10%Imax)	12.5778
(20%Imax)	25.1556
(30%Imax)	37.7334
(40%Imax)	50.3112
(50%Imax)	62.889
(60%Imax)	75.4668
(70%Imax)	88.0446
(80%Imax)	100.622
(90%Imax)	113.2



(10%Emax)	0.7723812	—
(20%Emax)	1.544769	—
(30%Emax)	2.31715	—
(40%Emax)	3.089537	—
(50%Emax)	3.861919	—
(60%Emax)	4.634306	—
(70%Emax)	5.406688	—
(80%Emax)	6.179075	—
(90%Emax)	6.951437	—





Luminaire Lumens:

FL=46.71,FM=93.12,FH=18.08,FVH=0.04

BL=46.77,BM=104.46,BH=23.22,BVH=0.03

UL=0,UH=0

BUG Rating:B0-U0-G0

## 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	115.75	125.72	125.78	125.66	125.60	125.48	125.42	125.31	125.13
22.5	115.75	115.73	115.79	115.79	115.73	115.73	115.68	115.56	115.44
45.0	115.75	114.32	114.32	114.20	114.20	114.14	114.08	113.96	113.79
67.5	115.75	113.49	113.49	113.55	113.55	113.43	113.43	113.31	113.25
90.0	115.75	113.31	113.31	113.31	113.31	113.08	113.19	112.96	112.84
112.5	115.75	113.49	113.49	113.55	113.55	113.43	113.43	113.31	113.25
135.0	115.75	114.32	114.32	114.20	114.20	114.14	114.08	113.96	113.79
157.5	115.75	115.73	115.79	115.79	115.73	115.73	115.68	115.56	115.44
180.0	115.75	125.72	125.78	125.66	125.60	125.48	125.42	125.31	125.13
202.5	115.75	115.73	115.68	115.62	115.50	115.32	115.14	115.03	114.85
225.0	115.75	114.26	114.26	114.14	114.02	114.02	113.73	113.61	113.49
247.5	115.75	113.37	113.25	113.14	113.02	112.90	112.72	112.60	112.37
270.0	115.75	113.31	113.19	113.08	113.08	112.84	112.72	112.60	112.49
292.5	115.75	113.37	113.25	113.14	113.02	112.90	112.72	112.60	112.37
315.0	115.75	114.26	114.26	114.14	114.02	114.02	113.73	113.61	113.49
337.5	115.75	115.73	115.68	115.62	115.50	115.32	115.14	115.03	114.85
360.0	115.75	125.72	125.78	125.66	125.60	125.48	125.42	125.31	125.13

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	124.89	124.71	124.42	124.06	123.77	123.47	123.12	122.65	122.35
22.5	115.26	115.14	114.97	114.67	114.43	114.14	113.79	113.55	113.19
45.0	113.67	113.43	113.31	113.08	112.78	112.54	112.25	111.89	111.54
67.5	113.14	112.90	112.84	112.60	112.37	112.19	111.89	111.60	111.36
90.0	112.60	112.49	112.37	112.01	111.66	111.54	111.30	110.95	110.59
112.5	113.14	112.90	112.84	112.60	112.37	112.19	111.89	111.60	111.36
135.0	113.67	113.43	113.31	113.08	112.78	112.54	112.25	111.89	111.54
157.5	115.26	115.14	114.97	114.67	114.43	114.14	113.79	113.55	113.19
180.0	124.89	124.71	124.42	124.06	123.77	123.47	123.12	122.65	122.35
202.5	114.73	114.38	114.20	113.90	113.55	113.31	112.96	112.60	112.25
225.0	113.31	113.08	112.84	112.54	112.37	112.01	111.72	111.42	111.07
247.5	112.13	111.84	111.60	111.30	111.01	110.83	110.42	110.06	109.71
270.0	112.13	111.89	111.66	111.30	111.19	110.83	110.48	110.24	109.77
292.5	112.13	111.84	111.60	111.30	111.01	110.83	110.42	110.06	109.71
315.0	113.31	113.08	112.84	112.54	112.37	112.01	111.72	111.42	111.07
337.5	114.73	114.38	114.20	113.90	113.55	113.31	112.96	112.60	112.25
360.0	124.89	124.71	124.42	124.06	123.77	123.47	123.12	122.65	122.35

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	122.00	121.58	121.17	120.76	120.40	120.11	119.63	119.10	118.75
22.5	112.90	112.49	112.13	111.84	111.19	110.77	110.48	110.00	109.65
45.0	111.07	110.83	110.42	109.94	109.53	109.12	108.76	108.29	107.70
67.5	111.01	110.65	110.24	110.00	109.59	109.18	108.70	108.23	107.94
90.0	110.24	109.89	109.53	109.18	108.82	108.23	108.00	107.29	107.17
112.5	111.01	110.65	110.24	110.00	109.59	109.18	108.70	108.23	107.94
135.0	111.07	110.83	110.42	109.94	109.53	109.12	108.76	108.29	107.70
157.5	112.90	112.49	112.13	111.84	111.19	110.77	110.48	110.00	109.65
180.0	122.00	121.58	121.17	120.76	120.40	120.11	119.63	119.10	118.75
202.5	111.78	111.48	111.13	110.65	110.30	109.89	109.59	109.24	108.82
225.0	110.77	110.30	109.83	109.59	109.06	108.59	108.29	107.88	107.46
247.5	109.18	108.94	108.53	108.05	107.76	107.23	106.99	106.58	106.10
270.0	109.41	109.06	108.59	108.35	108.00	107.52	107.05	106.58	106.46
292.5	109.18	108.94	108.53	108.05	107.76	107.23	106.99	106.58	106.10
315.0	110.77	110.30	109.83	109.59	109.06	108.59	108.29	107.88	107.46
337.5	111.78	111.48	111.13	110.65	110.30	109.89	109.59	109.24	108.82
360.0	122.00	121.58	121.17	120.76	120.40	120.11	119.63	119.10	118.75

## Intensity data(cd)

Appendix Page: 16 Total:21

C/ $\gamma$ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	118.33	117.86	117.45	117.15	116.80	116.33	115.91	115.08	114.20
22.5	109.30	108.88	108.53	108.11	107.82	107.35	106.93	106.58	106.10
45.0	107.52	107.17	106.81	106.34	105.81	105.57	105.04	104.57	104.16
67.5	107.40	106.99	106.64	106.10	105.69	105.34	104.81	104.57	103.98
90.0	106.58	106.10	105.75	105.28	104.81	104.57	104.10	103.62	103.15
112.5	107.40	106.99	106.64	106.10	105.69	105.34	104.81	104.57	103.98
135.0	107.52	107.17	106.81	106.34	105.81	105.57	105.04	104.57	104.16
157.5	109.30	108.88	108.53	108.11	107.82	107.35	106.93	106.58	106.10
180.0	118.33	117.86	117.45	117.15	116.80	116.33	115.91	115.08	114.20
202.5	108.47	108.11	107.88	107.40	106.93	106.75	106.16	105.81	105.34
225.0	107.11	106.70	106.40	106.05	105.69	105.34	104.92	104.63	104.16
247.5	105.87	105.46	105.16	104.75	104.21	104.04	103.62	103.15	102.74
270.0	105.99	105.40	105.16	104.81	104.45	103.98	103.51	103.39	102.80
292.5	105.87	105.46	105.16	104.75	104.21	104.04	103.62	103.15	102.74
315.0	107.11	106.70	106.40	106.05	105.69	105.34	104.92	104.63	104.16
337.5	108.47	108.11	107.88	107.40	106.93	106.75	106.16	105.81	105.34
360.0	118.33	117.86	117.45	117.15	116.80	116.33	115.91	115.08	114.20
C/ $\gamma$ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	111.95	110.48	108.00	104.98	102.09	99.07	95.41	93.34	90.15
22.5	105.75	105.34	104.45	103.62	101.73	99.84	97.60	95.12	93.52
45.0	103.74	103.39	102.86	102.09	101.79	101.20	100.67	100.08	99.43
67.5	103.45	103.03	102.50	102.09	101.50	100.97	100.61	99.96	99.25
90.0	102.56	102.21	101.61	100.91	100.67	100.08	99.61	99.02	98.19
112.5	103.45	103.03	102.50	102.09	101.50	100.97	100.61	99.96	99.25
135.0	103.74	103.39	102.86	102.09	101.79	101.20	100.67	100.08	99.43
157.5	105.75	105.34	104.45	103.62	101.73	99.84	97.60	95.12	93.52
180.0	111.95	110.48	108.00	104.98	102.09	99.07	95.41	93.34	90.15
202.5	104.16	103.21	101.44	99.43	97.30	94.29	91.75	89.03	85.37
225.0	103.68	103.27	102.80	102.38	101.85	101.38	100.97	100.32	99.96
247.5	102.26	101.85	101.44	100.91	100.49	100.02	99.49	98.84	97.83
270.0	102.44	102.09	101.61	101.02	100.55	100.08	99.84	99.13	98.66
292.5	102.26	101.85	101.44	100.91	100.49	100.02	99.49	98.84	97.83
315.0	103.68	103.27	102.80	102.38	101.85	101.38	100.97	100.32	99.96
337.5	104.16	103.21	101.44	99.43	97.30	94.29	91.75	89.03	85.37
360.0	111.95	110.48	108.00	104.98	102.09	99.07	95.41	93.34	90.15
C/ $\gamma$ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	86.79	83.12	78.63	75.68	71.96	67.41	62.50	58.07	54.35
22.5	90.45	87.91	85.31	82.06	77.87	74.85	71.07	68.24	63.98
45.0	99.02	98.25	97.24	96.24	94.35	92.99	90.69	87.73	84.95
67.5	98.72	98.13	97.77	97.01	96.30	95.23	93.64	91.93	89.86
90.0	97.83	97.24	96.53	95.94	94.53	93.58	91.45	87.32	85.43
112.5	98.72	98.13	97.77	97.01	96.30	95.23	93.64	91.93	89.86
135.0	99.02	98.25	97.24	96.24	94.35	92.99	90.69	87.73	84.95
157.5	90.45	87.91	85.31	82.06	77.87	74.85	71.07	68.24	63.98
180.0	86.79	83.12	78.63	75.68	71.96	67.41	62.50	58.07	54.35
202.5	83.06	79.52	75.38	72.19	67.88	64.87	60.91	56.42	53.11
225.0	99.07	97.89	96.65	94.53	92.28	89.50	86.20	83.60	79.81
247.5	97.12	95.06	92.64	90.92	87.61	85.19	82.06	78.28	75.15
270.0	98.07	97.12	96.30	94.05	91.69	89.09	86.02	82.36	79.05
292.5	97.12	95.06	92.64	90.92	87.61	85.19	82.06	78.28	75.15
315.0	99.07	97.89	96.65	94.53	92.28	89.50	86.20	83.60	79.81
337.5	83.06	79.52	75.38	72.19	67.88	64.87	60.91	56.42	53.11
360.0	86.79	83.12	78.63	75.68	71.96	67.41	62.51	58.07	54.35



Intensity data(cd)

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C/ $\gamma(^{\circ})$	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	49.09	44.78	41.65	38.87	35.27	32.67	30.43	28.30	26.94
22.5	60.20	57.13	52.93	49.74	45.55	41.77	38.93	35.15	31.73
45.0	81.65	78.16	74.68	70.19	67.11	63.27	59.02	55.89	51.69
67.5	86.55	84.25	80.23	77.81	73.85	69.42	67.23	62.56	57.90
90.0	82.24	78.81	75.27	70.89	68.65	64.87	60.97	57.19	52.46
112.5	86.55	84.25	80.23	77.81	73.85	69.42	67.23	62.56	57.90
135.0	81.65	78.16	74.68	70.19	67.11	63.27	59.02	55.89	51.69
157.5	60.20	57.13	52.93	49.74	45.55	41.77	38.93	35.15	31.73
180.0	49.09	44.78	41.65	38.87	35.27	32.67	30.43	28.30	26.94
202.5	48.74	45.55	43.19	36.45	34.32	30.31	27.12	25.64	23.34
225.0	76.27	73.38	69.36	65.28	62.39	58.02	55.77	51.34	47.09
247.5	71.66	68.77	64.28	59.73	57.48	53.82	50.16	46.08	42.00
270.0	75.62	73.49	69.24	65.58	61.91	58.13	56.01	51.52	47.85
292.5	71.66	68.77	64.28	59.73	57.48	53.82	50.16	46.08	42.00
315.0	76.27	73.38	69.36	65.28	62.39	58.02	55.77	51.34	47.09
337.5	48.74	45.55	43.19	36.45	34.32	30.31	27.12	25.64	23.34
360.0	49.09	44.78	41.65	38.87	35.27	32.67	30.43	28.30	26.94
C/ $\gamma(^{\circ})$	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.46	21.62	20.38	18.43	16.13	14.30	12.58	11.58	9.57
22.5	29.36	26.41	25.40	21.98	19.79	18.31	15.95	14.06	12.11
45.0	48.50	44.01	39.52	37.69	33.73	30.19	26.47	22.98	21.09
67.5	54.77	50.87	47.50	43.36	39.64	36.63	32.73	28.95	25.58
90.0	50.10	44.78	40.29	38.87	34.50	30.96	27.53	23.51	21.62
112.5	54.77	50.87	47.50	43.36	39.64	36.63	32.73	28.95	25.58
135.0	48.50	44.01	39.52	37.69	33.73	30.19	26.47	22.98	21.09
157.5	29.36	26.41	25.40	21.98	19.79	18.31	15.95	14.06	12.11
180.0	24.46	21.62	20.38	18.43	16.13	14.30	12.58	11.58	9.57
202.5	21.33	19.20	16.84	15.54	13.59	11.82	10.04	8.03	7.15
225.0	44.25	40.47	37.75	33.97	30.66	28.18	21.68	19.08	16.36
247.5	39.17	35.68	31.96	29.30	25.70	22.63	19.61	16.19	14.47
270.0	44.19	40.65	38.52	34.38	29.66	27.77	23.99	20.91	17.96
292.5	39.17	35.68	31.96	29.30	25.70	22.63	19.61	16.19	14.47
315.0	44.25	40.47	37.75	33.97	30.66	28.18	21.68	19.08	16.36
337.5	21.33	19.20	16.84	15.54	13.59	11.82	10.04	8.03	7.15
360.0	24.46	21.62	20.38	18.43	16.13	14.30	12.58	11.58	9.57
C/ $\gamma(^{\circ})$	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.09	6.62	5.32	4.55	3.13	2.19	1.30	0.59	0.24
22.5	10.22	9.04	7.03	5.08	4.25	2.72	1.77	0.89	0.35
45.0	17.43	14.24	12.11	9.39	7.50	5.38	3.25	2.07	0.95
67.5	22.33	20.50	16.84	14.12	11.40	8.68	6.85	4.61	2.84
90.0	18.67	15.60	12.88	9.81	8.39	6.03	2.95	2.01	0.83
112.5	22.33	20.50	16.84	14.12	11.40	8.68	6.85	4.61	2.84
135.0	17.43	14.24	12.11	9.39	7.50	5.38	3.25	2.07	0.95
157.5	10.22	9.04	7.03	5.08	4.25	2.72	1.77	0.89	0.35
180.0	8.09	6.62	5.32	4.55	3.13	2.19	1.30	0.59	0.24
202.5	5.20	3.72	3.13	2.13	1.30	0.59	0.18	0.12	0.06
225.0	13.59	11.05	8.51	8.33	6.62	4.49	3.07	1.60	0.65
247.5	11.87	9.45	7.27	4.84	3.49	1.89	0.71	0.06	0.00
270.0	15.24	13.59	10.52	8.15	6.03	4.14	2.24	0.95	0.12
292.5	11.87	9.45	7.27	4.84	3.49	1.89	0.71	0.06	0.00
315.0	13.59	11.05	8.51	8.33	6.62	4.49	3.07	1.60	0.65
337.5	5.20	3.72	3.13	2.13	1.30	0.59	0.18	0.12	0.06
360.0	8.09	6.62	5.32	4.55	3.13	2.19	1.30	0.59	0.24

Intensity data(cd)

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C/ $\gamma(^{\circ})$	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.18	0.18	0.12	0.12	0.06	0.06	0.06	0.06	0.00
22.5	0.18	0.12	0.06	0.06	0.06	0.00	0.00	0.00	0.00
45.0	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	1.60	0.41	0.12	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	1.60	0.41	0.12	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.18	0.12	0.06	0.06	0.06	0.00	0.00	0.00	0.00
180.0	0.18	0.18	0.12	0.12	0.06	0.06	0.06	0.06	0.00
202.5	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.24	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	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.18	0.18	0.12	0.12	0.06	0.06	0.06	0.06	0.00
C/ $\gamma(^{\circ})$	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/ $\gamma(^{\circ})$	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

Intensity data(cd)

Appendix Page: 19 Total:21

C/ $\gamma(^{\circ})$	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ $\gamma(^{\circ})$	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ $\gamma(^{\circ})$	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.00	0.06	0.00	0.00	0.06	0.06	0.06	0.06	0.06
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06
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	0.06	0.06
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00
180.0	0.00	0.06	0.00	0.00	0.06	0.06	0.06	0.06	0.06
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	0.06	0.00	0.00	0.06	0.06	0.06	0.06	0.06

Intensity data(cd)

Appendix Page: 20 Total:21

C/ $\gamma(^{\circ})$	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.12
22.5	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
45.0	0.06	0.06	0.06	0.06	0.06	0.12	0.06	0.06	0.18
67.5	0.00	0.00	0.06	0.06	0.06	0.12	0.12	0.12	0.12
90.0	0.00	0.00	0.12	0.12	0.12	0.12	0.12	0.12	0.12
112.5	0.00	0.00	0.06	0.06	0.06	0.12	0.12	0.12	0.12
135.0	0.06	0.06	0.06	0.06	0.06	0.12	0.06	0.06	0.18
157.5	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
180.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.12
202.5	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12
225.0	0.00	0.00	0.00	0.06	0.06	0.06	0.12	0.06	0.12
247.5	0.00	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12
270.0	0.00	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
292.5	0.00	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12
315.0	0.00	0.00	0.00	0.06	0.06	0.06	0.12	0.06	0.12
337.5	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12
360.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.12
C/ $\gamma(^{\circ})$	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
22.5	0.12	0.06	0.12	0.12	0.18	0.18	0.18	0.18	0.18
45.0	0.12	0.06	0.12	0.18	0.12	0.18	0.18	0.18	0.18
67.5	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.12	0.12
90.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
112.5	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.12	0.12
135.0	0.12	0.06	0.12	0.18	0.12	0.18	0.18	0.18	0.18
157.5	0.12	0.06	0.12	0.12	0.18	0.18	0.18	0.18	0.18
180.0	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
202.5	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
225.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
247.5	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.12
270.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.24
292.5	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.12
315.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
337.5	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
360.0	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
C/ $\gamma(^{\circ})$	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	0.18	0.18	0.18	0.24	0.30	0.30	0.30	0.30	0.24
22.5	0.18	0.18	0.18	0.18	0.24	0.18	0.18	0.18	0.24
45.0	0.18	0.18	0.18	0.18	0.18	0.24	0.24	0.24	0.24
67.5	0.12	0.18	0.24	0.24	0.24	0.24	0.24	0.24	0.24
90.0	0.12	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
112.5	0.12	0.18	0.24	0.24	0.24	0.24	0.24	0.24	0.24
135.0	0.18	0.18	0.18	0.18	0.18	0.24	0.24	0.24	0.24
157.5	0.18	0.18	0.18	0.18	0.24	0.18	0.18	0.18	0.24
180.0	0.18	0.18	0.18	0.24	0.30	0.30	0.30	0.30	0.24
202.5	0.18	0.12	0.18	0.24	0.24	0.24	0.24	0.24	0.24
225.0	0.12	0.12	0.18	0.12	0.24	0.24	0.24	0.18	0.24
247.5	0.24	0.18	0.24	0.18	0.24	0.24	0.24	0.24	0.24
270.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
292.5	0.24	0.18	0.24	0.18	0.24	0.24	0.24	0.24	0.24
315.0	0.12	0.12	0.18	0.12	0.24	0.24	0.24	0.18	0.24
337.5	0.18	0.12	0.18	0.24	0.24	0.24	0.24	0.24	0.24
360.0	0.18	0.18	0.18	0.24	0.30	0.30	0.30	0.30	0.24

Intensity data(cd)

Appendix Page: 21 Total:21

C/ $\gamma$ (°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.35
22.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
45.0	0.24	0.24	0.24	0.24	0.24	0.30	0.24	0.24	0.24
67.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
90.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
112.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
135.0	0.24	0.24	0.24	0.24	0.24	0.30	0.24	0.24	0.24
157.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
180.0	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.35
202.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
225.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
247.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
270.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
292.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
315.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
337.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
360.0	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.35
C/ $\gamma$ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
22.5	0.24	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30
45.0	0.24	0.24	0.30	0.30	0.24	0.24	0.24	0.24	0.30
67.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
90.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
112.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
135.0	0.24	0.24	0.30	0.30	0.24	0.24	0.24	0.24	0.30
157.5	0.24	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30
180.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
202.5	0.24	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
225.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
247.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
270.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.35	0.24
292.5	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
315.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
337.5	0.24	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
360.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
C/ $\gamma$ (°)	180.0								
0.0	0.25								
22.5	0.25								
45.0	0.25								
67.5	0.25								
90.0	0.25								
112.5	0.25								
135.0	0.25								
157.5	0.25								
180.0	0.25								
202.5	0.25								
225.0	0.25								
247.5	0.25								
270.0	0.25								
292.5	0.25								
315.0	0.25								
337.5	0.25								
360.0	0.25								