



Bell-Southcn Testing Laboratory(Shenzhen)

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Address:No.115,1st Floor,A5 Building,Tianrui Industrial Park,Fuyuan 1st Road,Fuyong,Bao'an District,Shenzhen,China.

Client:

LumCAT: B1410

Luminaire:

Report No:

Ballast type:

Test No: BST24081901-9

Voltage(V): 230.100

LampCAT:

Current(A): 0.089

Lamp flux(lm): 1550.0

Power (W): 11.730

Number of Lamps: 1

PF: 0.566

Length(mm): 380

Width(mm): 380

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 566.86, Efficiency(%): 36.57% , Luminous Efficacy(lm/W): 48.33

Central intensity(cd): 81.96, Maximum intensity(cd): 165.36

Angle of maximum intensity: C=67.5  $\gamma$ =60.0

Beam Angle(50%Imax): [C0/180]Total=133.0

[C90/270]Total=132.1

Field angle(10%Imax): [C0/180]Total=139.4

[C90/270]Total=138.7

IES Classification : TypeVS

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0

Max Cd(80 to 90°Vert) : 0.2363138

Street Side UpWard Lumens: 0.03%of Lamp 0.09%of Luminaire

Street Side DownWard Lumens: 17.70%of Lamp 48.40%of Luminaire

House Side UpWard Lumens: 0.03%of Lamp 0.07%of Luminaire

House Side DownWard Lumens: 18.81%of Lamp 51.44%of Luminaire

SLI: --- (C Flash Area: 0.035)

Throw: 48.6 (short), Spread: 60.8 (broad), Control: --- (tight)

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

Date: 2024-08-19  
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	81.957	0.000	0.000	0.000%	0.000%
1.0	82.193	0.079	0.079	0.005%	0.014%
2.0	82.702	0.237	0.315	0.015%	0.056%
3.0	83.906	0.398	0.714	0.026%	0.126%
4.0	85.110	0.566	1.279	0.037%	0.226%
5.0	86.424	0.738	2.017	0.048%	0.356%
6.0	88.492	0.919	2.937	0.059%	0.518%
7.0	90.493	1.111	4.048	0.072%	0.714%
8.0	93.248	1.315	5.363	0.085%	0.946%
9.0	95.596	1.530	6.893	0.099%	1.216%
10.0	97.959	1.752	8.645	0.113%	1.525%
11.0	101.238	1.990	10.635	0.128%	1.876%
12.0	103.491	2.238	12.873	0.144%	2.271%
13.0	106.253	2.489	15.362	0.161%	2.710%
14.0	108.985	2.755	18.117	0.178%	3.196%
15.0	111.230	3.023	21.140	0.195%	3.729%
16.0	114.383	3.306	24.446	0.213%	4.313%
17.0	116.584	3.597	28.043	0.232%	4.947%
18.0	118.881	3.882	31.925	0.250%	5.632%
19.0	121.731	4.186	36.111	0.270%	6.370%
20.0	124.057	4.499	40.610	0.290%	7.164%
21.0	126.812	4.817	45.427	0.311%	8.014%
22.0	128.990	5.140	50.568	0.332%	8.921%
23.0	130.955	5.454	56.022	0.352%	9.883%
24.0	133.887	5.790	61.812	0.374%	10.904%
25.0	135.910	6.135	67.947	0.396%	11.987%
26.0	138.251	6.472	74.419	0.418%	13.128%
27.0	140.481	6.819	81.238	0.440%	14.331%
28.0	142.231	7.158	88.396	0.462%	15.594%
29.0	144.403	7.499	95.895	0.484%	16.917%
30.0	145.916	7.839	103.733	0.506%	18.300%
31.0	147.312	8.160	111.893	0.526%	19.739%
32.0	148.966	8.488	120.381	0.548%	21.236%
33.0	150.251	8.815	129.197	0.569%	22.792%
34.0	151.662	9.137	138.333	0.589%	24.403%
35.0	152.710	9.453	147.786	0.610%	26.071%
36.0	153.678	9.755	157.541	0.629%	27.792%
37.0	154.830	10.062	167.603	0.649%	29.567%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	155.517	10.359	177.962	0.668%	31.394%
39.0	156.248	10.641	188.604	0.687%	33.271%
40.0	156.890	10.921	199.525	0.705%	35.198%
41.0	157.422	11.193	210.717	0.722%	37.173%
42.0	158.005	11.460	222.177	0.739%	39.194%
43.0	158.345	11.719	233.896	0.756%	41.261%
44.0	158.670	11.965	245.861	0.772%	43.372%
45.0	158.943	12.206	258.067	0.787%	45.526%
46.0	159.098	12.438	270.505	0.802%	47.720%
47.0	159.172	12.658	283.163	0.817%	49.953%
48.0	159.157	12.869	296.032	0.830%	52.223%
49.0	159.135	13.071	309.103	0.843%	54.529%
50.0	159.061	13.267	322.369	0.856%	56.869%
51.0	159.054	13.459	335.828	0.868%	59.243%
52.0	159.179	13.656	349.484	0.881%	61.652%
53.0	159.401	13.858	363.342	0.894%	64.097%
54.0	159.660	14.063	377.405	0.907%	66.578%
55.0	160.080	14.273	391.678	0.921%	69.096%
56.0	160.376	14.481	406.158	0.934%	71.650%
57.0	160.686	14.680	420.838	0.947%	74.240%
58.0	161.063	14.879	435.717	0.960%	76.865%
59.0	161.225	15.067	450.784	0.972%	79.523%
60.0	159.984	15.175	465.959	0.979%	82.200%
61.0	157.060	15.130	481.089	0.976%	84.869%
62.0	149.579	14.776	495.865	0.953%	87.475%
63.0	135.275	13.854	509.719	0.894%	89.919%
64.0	123.511	12.699	522.417	0.819%	92.159%
65.0	106.290	11.373	533.790	0.734%	94.166%
66.0	87.148	9.651	543.441	0.623%	95.868%
67.0	68.391	7.821	551.262	0.505%	97.248%
68.0	41.628	5.573	556.835	0.360%	98.231%
69.0	29.436	3.625	560.461	0.234%	98.871%
70.0	15.471	2.306	562.767	0.149%	99.278%
71.0	8.367	1.232	563.999	0.079%	99.495%
72.0	5.059	0.698	564.697	0.045%	99.618%
73.0	3.582	0.452	565.149	0.029%	99.698%
74.0	2.415	0.315	565.464	0.020%	99.753%
75.0	1.617	0.213	565.677	0.014%	99.791%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.812	0.129	565.806	0.008%	99.814%
77.0	0.443	0.067	565.873	0.004%	99.826%
78.0	0.192	0.034	565.907	0.002%	99.832%
79.0	0.096	0.015	565.923	0.001%	99.834%
80.0	0.037	0.007	565.930	0.000%	99.835%
81.0	0.007	0.002	565.932	0.000%	99.836%
82.0	0.000	0.000	565.933	0.000%	99.836%
83.0	0.000	0.000	565.933	0.000%	99.836%
84.0	0.000	0.000	565.933	0.000%	99.836%
85.0	0.000	0.000	565.933	0.000%	99.836%
86.0	0.000	0.000	565.933	0.000%	99.836%
87.0	0.000	0.000	565.933	0.000%	99.836%
88.0	0.000	0.000	565.933	0.000%	99.836%
89.0	0.000	0.000	565.933	0.000%	99.836%
90.0	0.000	0.000	565.933	0.000%	99.836%
91.0	0.000	0.000	565.933	0.000%	99.836%
92.0	0.000	0.000	565.933	0.000%	99.836%
93.0	0.000	0.000	565.933	0.000%	99.836%
94.0	0.000	0.000	565.933	0.000%	99.836%
95.0	0.000	0.000	565.933	0.000%	99.836%
96.0	0.000	0.000	565.933	0.000%	99.836%
97.0	0.000	0.000	565.933	0.000%	99.836%
98.0	0.000	0.000	565.933	0.000%	99.836%
99.0	0.000	0.000	565.933	0.000%	99.836%
100.0	0.000	0.000	565.933	0.000%	99.836%
101.0	0.000	0.000	565.933	0.000%	99.836%
102.0	0.000	0.000	565.933	0.000%	99.836%
103.0	0.000	0.000	565.933	0.000%	99.836%
104.0	0.000	0.000	565.933	0.000%	99.836%
105.0	0.000	0.000	565.933	0.000%	99.836%
106.0	0.000	0.000	565.933	0.000%	99.836%
107.0	0.007	0.000	565.933	0.000%	99.836%
108.0	0.000	0.000	565.933	0.000%	99.836%
109.0	0.007	0.000	565.934	0.000%	99.836%
110.0	0.007	0.001	565.934	0.000%	99.836%
111.0	0.015	0.001	565.936	0.000%	99.837%
112.0	0.030	0.002	565.938	0.000%	99.837%
113.0	0.030	0.003	565.941	0.000%	99.837%

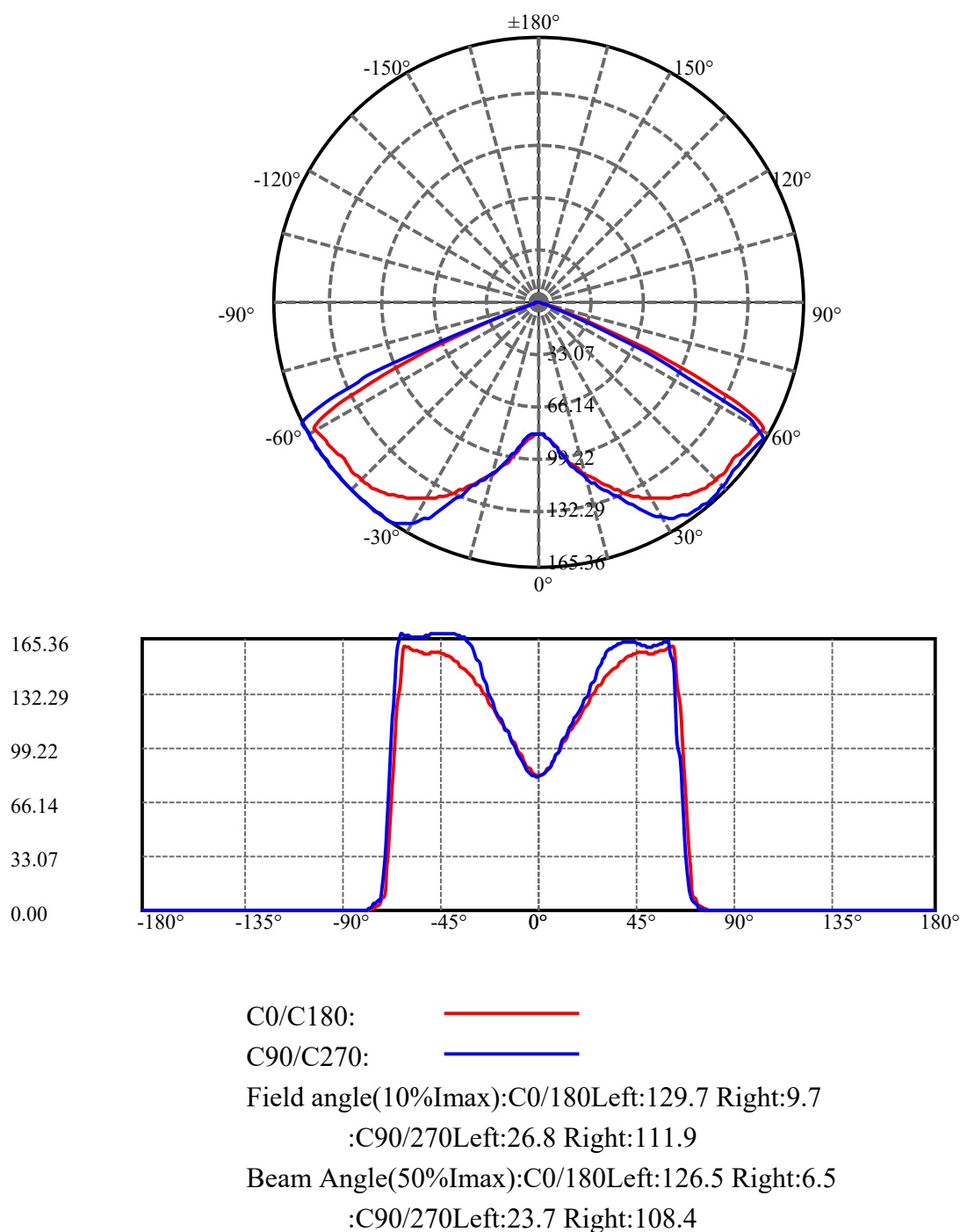
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.052	0.004	565.945	0.000%	99.838%
115.0	0.081	0.007	565.952	0.000%	99.839%
116.0	0.074	0.008	565.959	0.000%	99.841%
117.0	0.103	0.009	565.968	0.001%	99.842%
118.0	0.111	0.010	565.978	0.001%	99.844%
119.0	0.103	0.010	565.989	0.001%	99.846%
120.0	0.133	0.011	566.000	0.001%	99.848%
121.0	0.126	0.012	566.012	0.001%	99.850%
122.0	0.148	0.013	566.025	0.001%	99.852%
123.0	0.155	0.014	566.039	0.001%	99.855%
124.0	0.162	0.015	566.053	0.001%	99.857%
125.0	0.170	0.015	566.068	0.001%	99.860%
126.0	0.185	0.016	566.084	0.001%	99.863%
127.0	0.199	0.017	566.101	0.001%	99.866%
128.0	0.214	0.018	566.119	0.001%	99.869%
129.0	0.222	0.019	566.138	0.001%	99.872%
130.0	0.258	0.020	566.158	0.001%	99.876%
131.0	0.258	0.022	566.180	0.001%	99.880%
132.0	0.266	0.022	566.201	0.001%	99.883%
133.0	0.273	0.022	566.223	0.001%	99.887%
134.0	0.266	0.021	566.245	0.001%	99.891%
135.0	0.281	0.021	566.266	0.001%	99.895%
136.0	0.288	0.022	566.288	0.001%	99.899%
137.0	0.281	0.021	566.309	0.001%	99.902%
138.0	0.288	0.021	566.330	0.001%	99.906%
139.0	0.288	0.021	566.351	0.001%	99.910%
140.0	0.281	0.020	566.371	0.001%	99.913%
141.0	0.310	0.021	566.392	0.001%	99.917%
142.0	0.318	0.021	566.413	0.001%	99.921%
143.0	0.332	0.022	566.435	0.001%	99.925%
144.0	0.325	0.021	566.457	0.001%	99.928%
145.0	0.325	0.021	566.477	0.001%	99.932%
146.0	0.318	0.020	566.497	0.001%	99.936%
147.0	0.332	0.020	566.517	0.001%	99.939%
148.0	0.340	0.020	566.537	0.001%	99.943%
149.0	0.340	0.019	566.556	0.001%	99.946%
150.0	0.354	0.019	566.575	0.001%	99.949%
151.0	0.347	0.019	566.594	0.001%	99.953%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.340	0.018	566.612	0.001%	99.956%
153.0	0.354	0.018	566.630	0.001%	99.959%
154.0	0.347	0.017	566.647	0.001%	99.962%
155.0	0.325	0.016	566.663	0.001%	99.965%
156.0	0.354	0.015	566.678	0.001%	99.968%
157.0	0.347	0.015	566.694	0.001%	99.970%
158.0	0.347	0.015	566.708	0.001%	99.973%
159.0	0.340	0.014	566.722	0.001%	99.975%
160.0	0.325	0.013	566.735	0.001%	99.978%
161.0	0.318	0.012	566.747	0.001%	99.980%
162.0	0.332	0.011	566.758	0.001%	99.982%
163.0	0.332	0.011	566.769	0.001%	99.984%
164.0	0.332	0.010	566.779	0.001%	99.985%
165.0	0.332	0.010	566.789	0.001%	99.987%
166.0	0.340	0.009	566.798	0.001%	99.989%
167.0	0.318	0.008	566.807	0.001%	99.990%
168.0	0.340	0.008	566.814	0.001%	99.992%
169.0	0.340	0.007	566.822	0.000%	99.993%
170.0	0.347	0.007	566.829	0.000%	99.994%
171.0	0.354	0.006	566.835	0.000%	99.995%
172.0	0.354	0.006	566.841	0.000%	99.996%
173.0	0.347	0.005	566.846	0.000%	99.997%
174.0	0.340	0.004	566.850	0.000%	99.998%
175.0	0.354	0.004	566.854	0.000%	99.999%
176.0	0.354	0.003	566.857	0.000%	99.999%
177.0	0.354	0.002	566.859	0.000%	99.999%
178.0	0.347	0.002	566.861	0.000%	100.000%
179.0	0.354	0.001	566.862	0.000%	100.000%
180.0	0.354	0.000	566.862	0.000%	100.000%

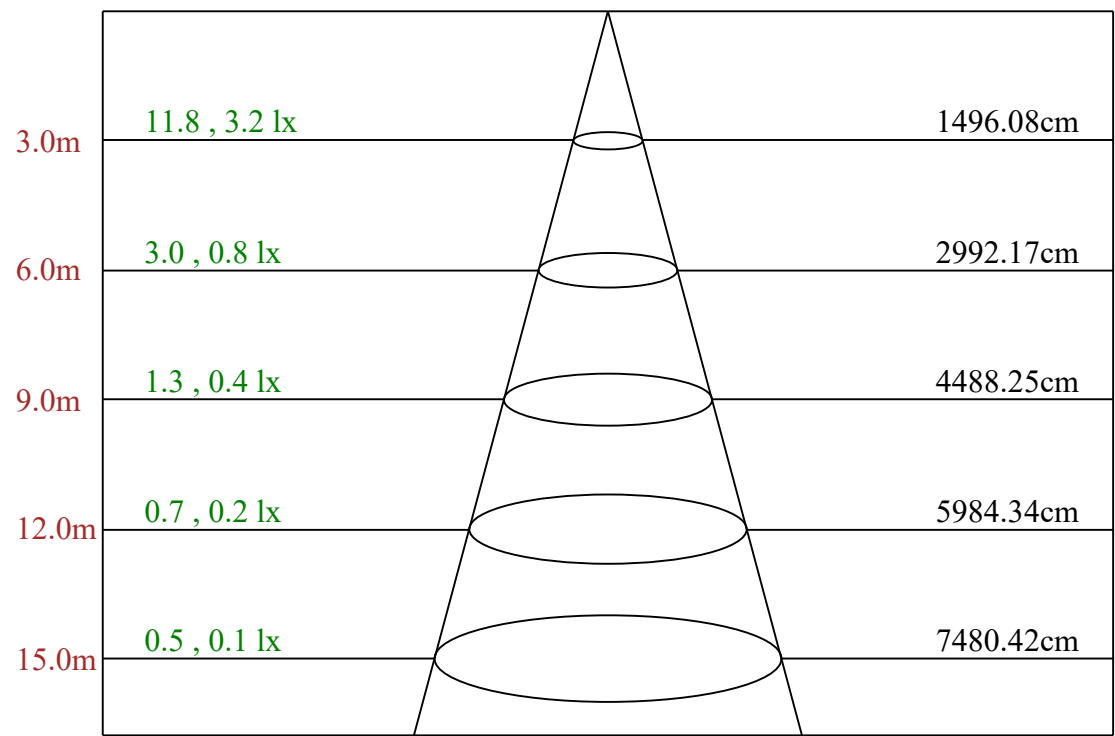
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	103.73	6.69%	18.30%
0-40	199.52	12.87%	35.20%
0-60	465.96	30.06%	82.20%
0-90	565.93	36.51%	99.84%
0-120	566.00	36.52%	99.85%
0-180	566.86	36.57%	100.00%
60-90	99.97	6.45%	17.64%
90-120	0.07	0.00%	0.01%
90-130	0.23	0.01%	0.04%
90-150	0.64	0.04%	0.11%
90-180	0.93	0.06%	0.16%
0-59.18	453.49	29.26%	80.00%

ZONAL LUMEN SUMMARY

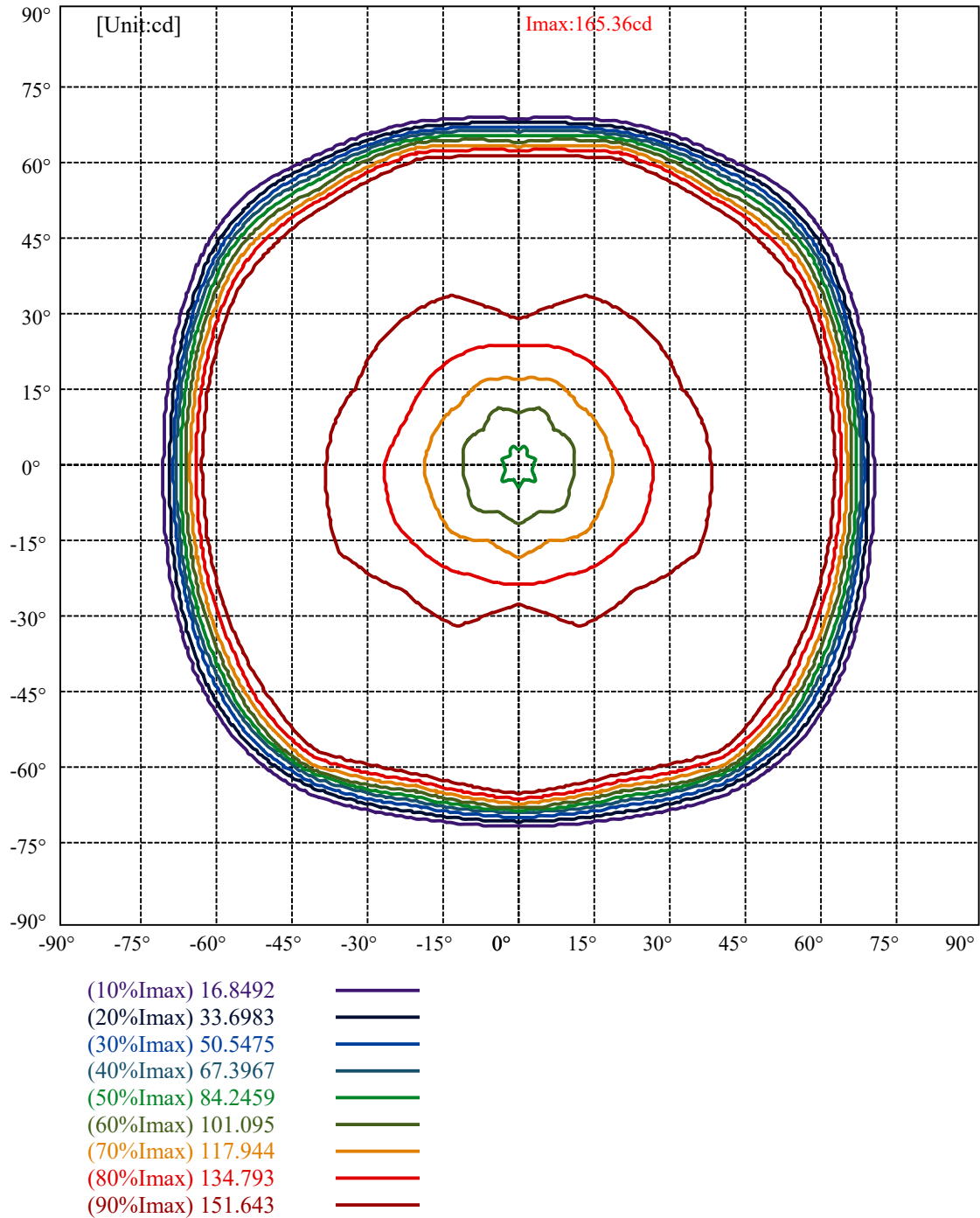
0-10	8.64
10-20	31.97
20-30	63.12
30-40	95.79
40-50	122.84
50-60	143.59
60-70	96.81
70-80	3.16
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.07
120-130	0.16
130-140	0.21
140-150	0.20
150-160	0.16
160-170	0.09
170-180	0.03

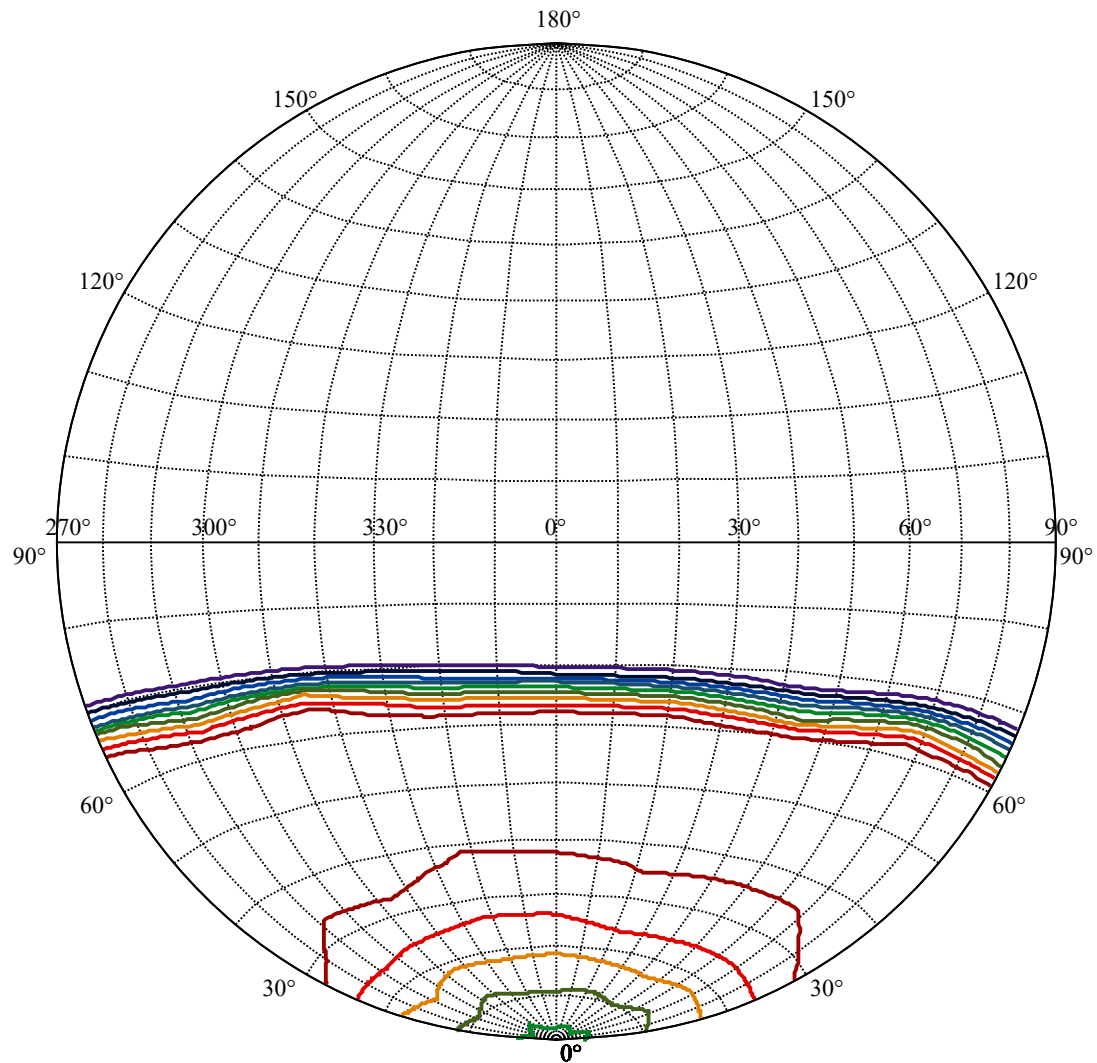






Max , Ave      Beam angle of C67.5 plane 136.29





House

[Unit:cd]

Road

**Imax:165.36**

(10%Imax) 16.8492

(20%Imax) 33.6983

(30%Imax) 50.5475

(40%Imax) 67.3967

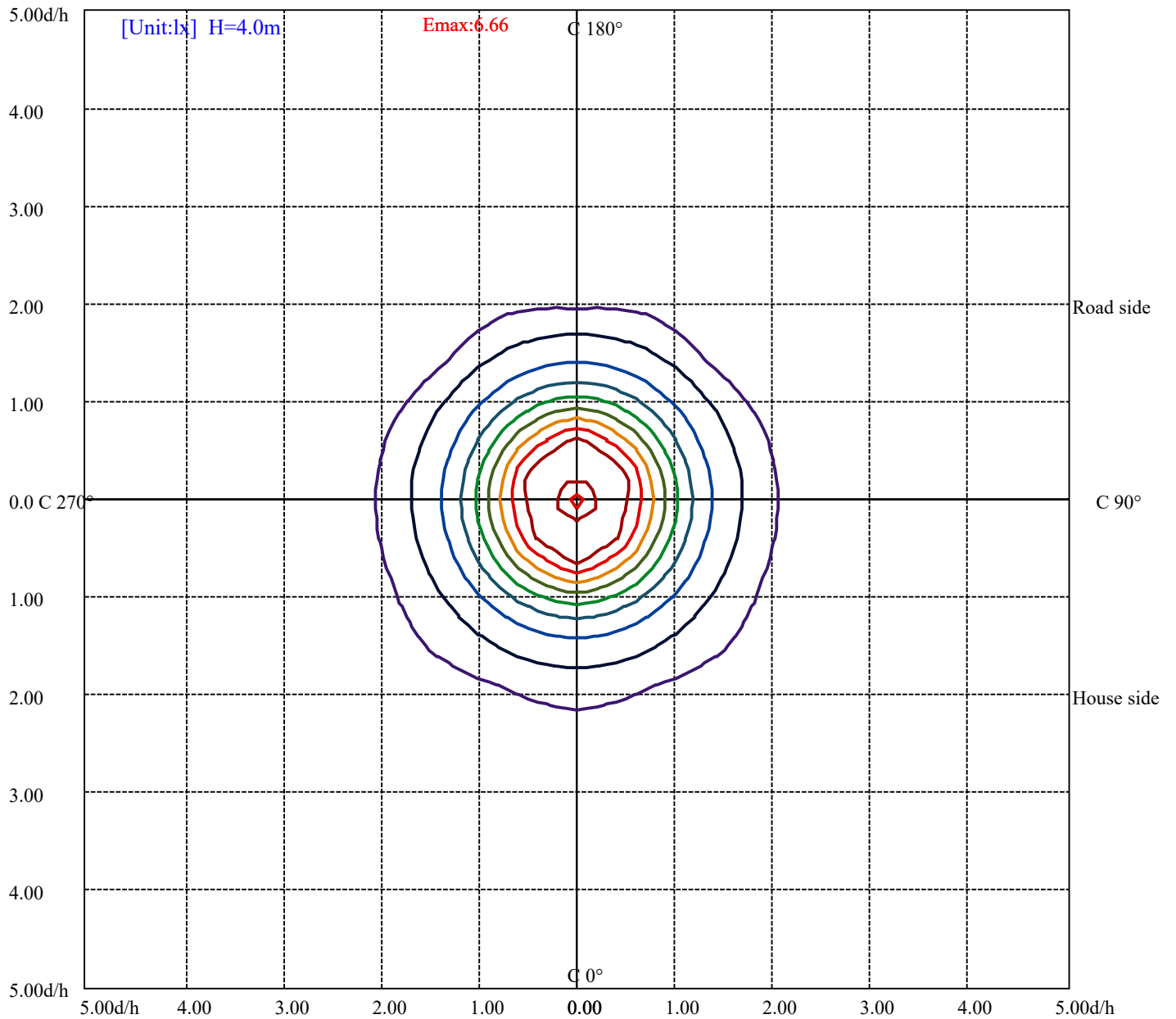
(50%Imax) 84.2459

(60%Imax) 101.095

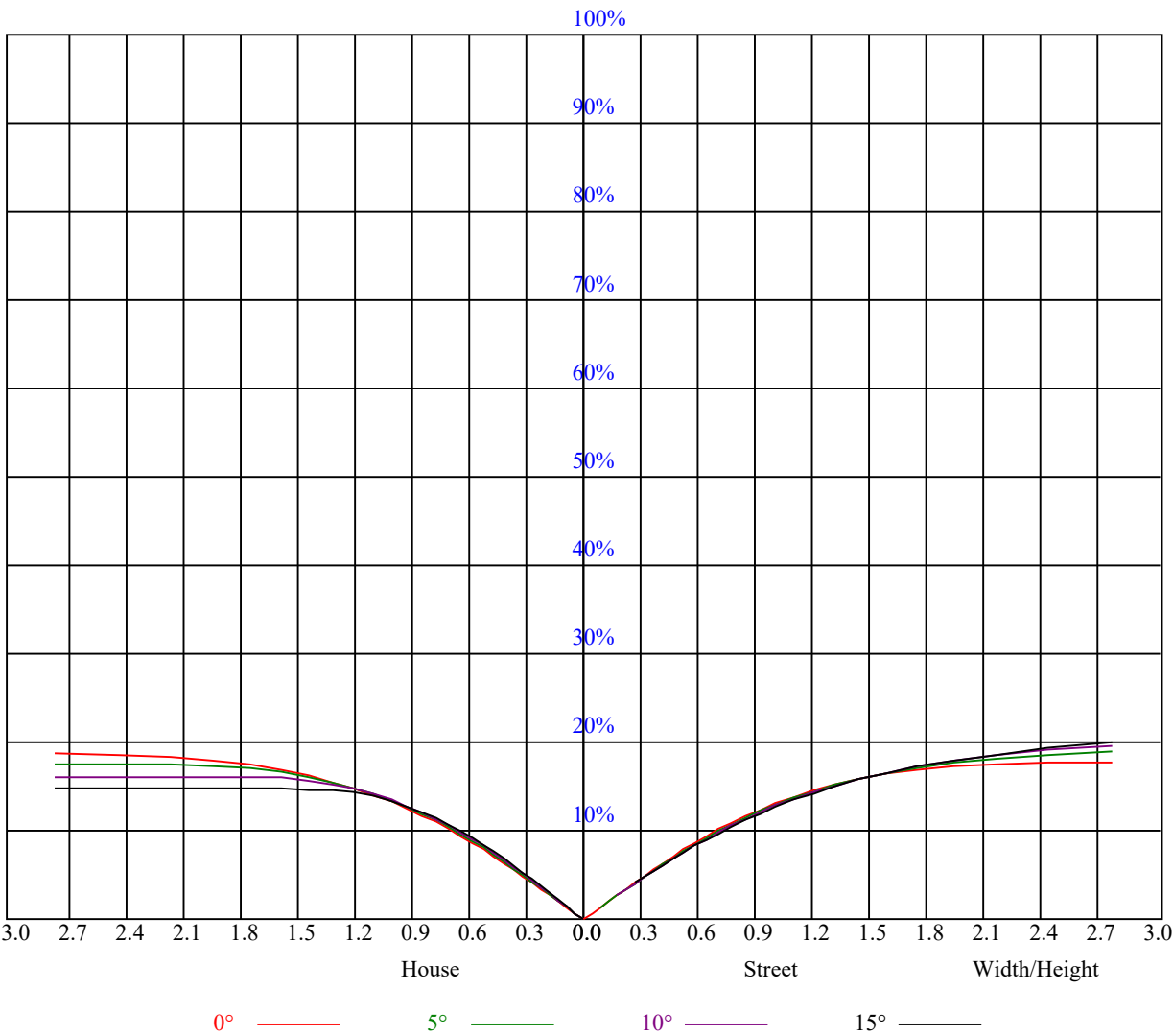
(70%Imax) 117.944

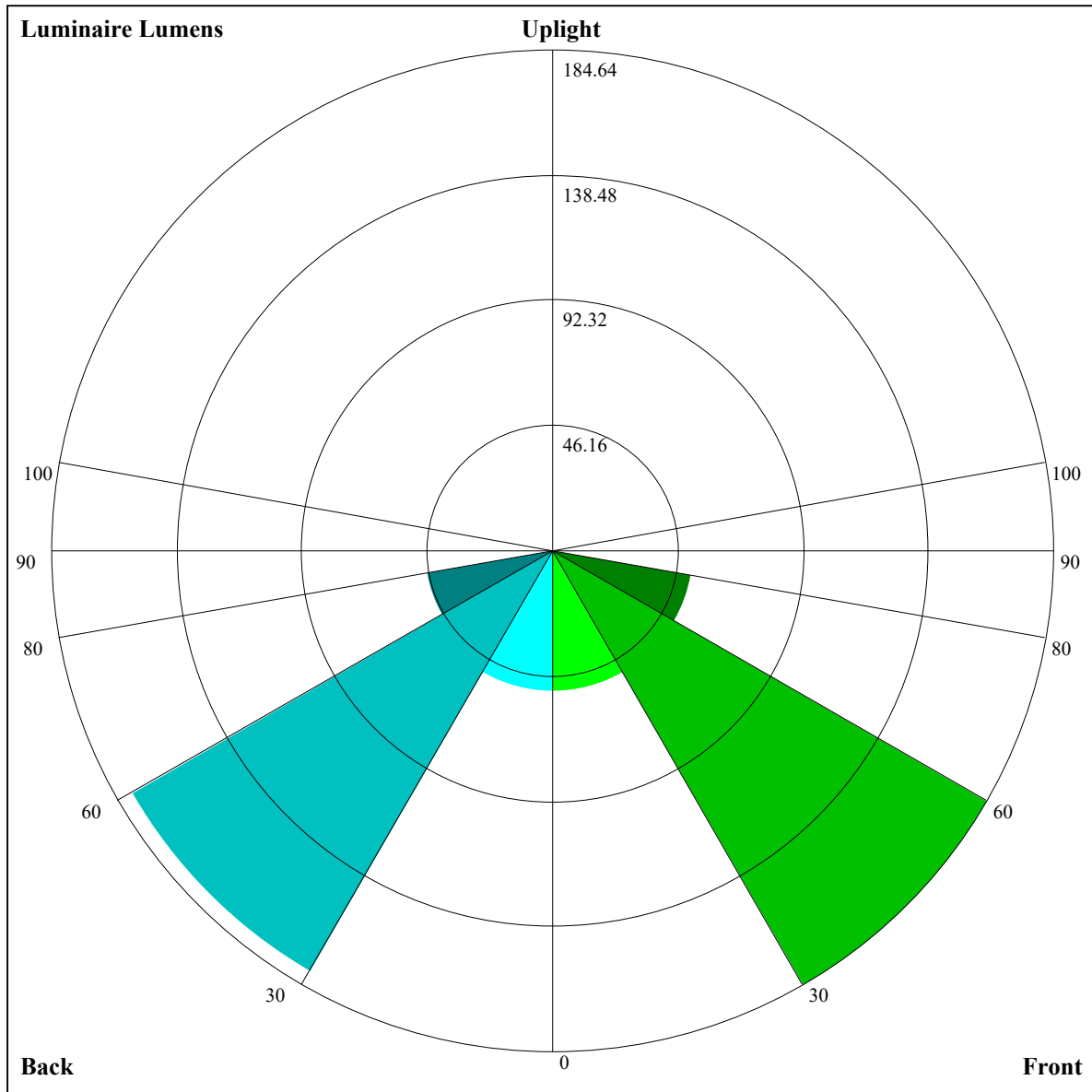
(80%Imax) 134.793

(90%Imax) 151.643



(10%Emax)	0.6662125	
(20%Emax)	1.332425	
(30%Emax)	1.998638	
(40%Emax)	2.664856	
(50%Emax)	3.331069	
(60%Emax)	3.997281	
(70%Emax)	4.663494	
(80%Emax)	5.329706	
(90%Emax)	5.995919	





Luminaire Lumens:

FL=51.8,FM=184.64,FH=52.11,FVH=0

BL=52.16,BM=179.2,BH=47.56,BVH=0

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	81.96	82.59	83.12	84.36	85.90	86.96	88.91	91.16	94.11
22.5	81.96	82.18	82.53	83.48	85.37	86.43	88.38	89.86	92.75
45.0	81.96	82.71	83.77	85.60	86.67	88.50	90.57	92.87	95.94
67.5	81.96	81.76	81.88	82.71	84.01	84.90	87.02	89.03	91.22
90.0	81.96	82.12	82.71	84.13	85.19	87.08	90.51	91.45	94.53
112.5	81.96	81.76	81.88	82.71	84.01	84.90	87.02	89.03	91.22
135.0	81.96	82.71	83.77	85.60	86.67	88.50	90.57	92.87	95.94
157.5	81.96	82.18	82.53	83.48	85.37	86.43	88.38	89.86	92.75
180.0	81.96	82.59	83.12	84.36	85.90	86.96	88.91	91.16	94.11
202.5	81.96	82.41	83.24	84.60	85.31	86.73	88.56	90.69	93.46
225.0	81.96	81.82	81.82	82.59	83.71	84.54	86.31	88.15	90.27
247.5	81.96	82.18	83.01	84.60	85.55	87.26	89.33	91.81	95.12
270.0	81.96	81.65	81.76	82.47	83.54	85.07	87.20	89.33	91.69
292.5	81.96	82.18	83.01	84.60	85.55	87.26	89.33	91.81	95.12
315.0	81.96	81.82	81.82	82.59	83.71	84.54	86.31	88.15	90.27
337.5	81.96	82.41	83.24	84.60	85.31	86.73	88.56	90.69	93.46
360.0	81.96	82.59	83.12	84.36	85.90	86.96	88.91	91.16	94.11
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	96.12	98.25	101.61	103.62	106.10	108.41	110.89	112.78	114.49
22.5	95.29	96.77	99.90	102.74	105.57	108.59	110.36	114.20	116.98
45.0	98.72	101.56	104.81	106.52	109.18	111.84	114.32	117.27	118.69
67.5	93.70	95.18	98.42	101.26	104.16	106.93	108.70	112.78	116.33
90.0	96.18	100.20	103.62	105.40	108.35	111.07	113.79	116.86	118.39
112.5	93.70	95.18	98.42	101.26	104.16	106.93	108.70	112.78	116.33
135.0	98.72	101.56	104.81	106.52	109.18	111.84	114.32	117.27	118.69
157.5	95.29	96.77	99.90	102.74	105.57	108.59	110.36	114.20	116.98
180.0	96.12	98.25	101.61	103.62	106.10	108.41	110.89	112.78	114.49
202.5	95.47	98.48	101.44	102.86	105.28	107.82	110.54	113.67	115.26
225.0	92.69	94.23	97.48	100.37	103.33	106.05	107.64	110.77	113.31
247.5	97.48	101.08	104.69	106.58	109.47	112.49	115.50	118.75	120.34
270.0	94.41	96.06	99.49	102.56	105.51	108.47	110.00	112.84	116.15
292.5	97.48	101.08	104.69	106.58	109.47	112.49	115.50	118.75	120.34
315.0	92.69	94.23	97.48	100.37	103.33	106.05	107.64	110.77	113.31
337.5	95.47	98.48	101.44	102.86	105.28	107.82	110.54	113.67	115.26
360.0	96.12	98.25	101.61	103.62	106.10	108.41	110.89	112.78	114.49
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	116.68	118.98	121.05	123.41	125.60	127.43	130.15	132.04	134.23
22.5	118.98	122.17	124.89	127.79	130.62	132.45	135.88	138.54	140.84
45.0	121.05	123.41	125.72	128.26	130.09	131.98	134.64	135.82	137.53
67.5	118.10	121.58	124.36	127.25	129.91	131.45	134.11	136.06	137.89
90.0	120.87	123.36	125.60	128.44	130.80	133.52	137.18	139.19	142.85
112.5	118.10	121.58	124.36	127.25	129.91	131.45	134.11	136.06	137.89
135.0	121.05	123.41	125.72	128.26	130.09	131.98	134.64	135.82	137.53
157.5	118.98	122.17	124.89	127.79	130.62	132.45	135.88	138.54	140.84
180.0	116.68	118.98	121.05	123.41	125.60	127.43	130.15	132.04	134.23
202.5	117.80	120.82	122.41	124.77	125.96	128.38	130.39	131.74	133.64
225.0	116.15	119.46	122.12	124.71	127.37	128.97	132.28	135.11	138.01
247.5	123.00	125.54	128.02	130.68	131.92	134.05	136.41	137.42	139.13
270.0	117.68	120.40	122.17	126.78	130.09	132.34	137.30	141.91	146.63
292.5	123.00	125.54	128.02	130.68	131.92	134.05	136.41	137.42	139.13
315.0	116.15	119.46	122.12	124.71	127.37	128.97	132.28	135.11	138.01
337.5	117.80	120.82	122.41	124.77	125.96	128.38	130.39	131.74	133.64
360.0	116.68	118.98	121.05	123.41	125.60	127.43	130.15	132.04	134.23

## Intensity data(cd)

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C/ $\gamma$ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	136.29	137.89	139.84	141.49	142.79	144.39	145.81	147.22	148.29
22.5	142.73	143.68	145.39	146.99	147.87	148.94	149.70	151.00	151.77
45.0	139.25	140.96	142.91	143.86	145.39	147.34	148.41	149.82	150.77
67.5	139.66	140.61	142.50	144.62	145.57	147.28	148.64	149.94	151.30
90.0	146.75	150.06	153.13	154.31	156.91	158.80	159.28	160.58	161.40
112.5	139.66	140.61	142.50	144.62	145.57	147.28	148.64	149.94	151.30
135.0	139.25	140.96	142.91	143.86	145.39	147.34	148.41	149.82	150.77
157.5	142.73	143.68	145.39	146.99	147.87	148.94	149.70	151.00	151.77
180.0	136.29	137.89	139.84	141.49	142.79	144.39	145.81	147.22	148.29
202.5	135.64	137.53	139.66	140.55	142.14	143.62	145.04	146.57	147.58
225.0	140.72	143.03	145.27	147.40	148.41	150.18	151.89	153.19	154.55
247.5	140.78	142.62	144.80	145.86	147.46	149.05	150.59	152.30	153.31
270.0	150.77	153.01	156.56	158.80	160.81	163.06	164.59	165.89	166.84
292.5	140.78	142.62	144.80	145.86	147.46	149.05	150.59	152.30	153.31
315.0	140.72	143.03	145.27	147.40	148.41	150.18	151.89	153.19	154.55
337.5	135.64	137.53	139.66	140.55	142.14	143.62	145.04	146.57	147.58
360.0	136.29	137.89	139.84	141.49	142.79	144.39	145.81	147.22	148.29
C/ $\gamma$ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	149.29	150.89	151.89	152.95	153.90	154.61	155.44	155.91	156.38
22.5	152.25	152.84	153.25	153.54	153.84	153.96	154.37	154.49	154.61
45.0	151.89	152.90	153.43	154.14	154.73	155.32	155.73	155.91	156.14
67.5	152.01	153.43	154.43	155.26	156.03	156.68	157.33	158.03	158.45
90.0	162.11	162.70	162.94	163.06	163.29	163.29	163.29	163.17	162.94
112.5	152.01	153.43	154.43	155.26	156.03	156.68	157.33	158.03	158.45
135.0	151.89	152.90	153.43	154.14	154.73	155.32	155.73	155.91	156.14
157.5	152.25	152.84	153.25	153.54	153.84	153.96	154.37	154.49	154.61
180.0	149.29	150.89	151.89	152.95	153.90	154.61	155.44	155.91	156.38
202.5	149.00	150.30	150.95	151.89	152.72	153.49	154.25	154.61	155.08
225.0	155.26	156.50	157.50	158.33	158.98	159.45	160.04	160.52	160.87
247.5	155.02	156.50	157.15	158.21	159.16	160.04	161.05	161.52	162.11
270.0	167.31	167.90	168.14	168.26	168.26	168.37	168.37	168.37	168.49
292.5	155.02	156.50	157.15	158.21	159.16	160.04	161.05	161.52	162.11
315.0	155.26	156.50	157.50	158.33	158.98	159.45	160.04	160.52	160.87
337.5	149.00	150.30	150.95	151.89	152.72	153.49	154.25	154.61	155.08
360.0	149.29	150.89	151.89	152.95	153.90	154.61	155.44	155.91	156.38
C/ $\gamma$ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	156.74	156.91	156.97	156.85	156.79	156.44	156.26	156.44	156.79
22.5	154.73	154.73	154.67	154.61	154.61	154.67	154.96	155.38	155.91
45.0	156.26	156.32	156.32	156.32	156.50	157.03	157.33	157.80	158.21
67.5	158.92	159.22	159.51	159.75	159.81	159.81	159.81	160.10	160.40
90.0	162.58	162.11	161.52	161.05	160.58	160.58	160.69	161.05	161.28
112.5	158.92	159.22	159.51	159.75	159.81	159.81	159.81	160.10	160.40
135.0	156.26	156.32	156.32	156.32	156.50	157.03	157.33	157.80	158.21
157.5	154.73	154.73	154.67	154.61	154.61	154.67	154.96	155.38	155.91
180.0	156.74	156.91	156.97	156.85	156.79	156.44	156.26	156.44	156.79
202.5	155.49	155.97	156.26	156.38	156.56	156.38	156.38	156.38	156.50
225.0	161.23	161.34	161.40	161.40	161.34	161.11	160.87	160.63	160.40
247.5	162.64	163.00	163.23	163.29	163.17	163.00	162.94	162.94	163.29
270.0	168.49	168.49	168.49	168.26	168.02	167.55	167.07	166.48	166.13
292.5	162.64	163.00	163.23	163.29	163.17	163.00	162.94	162.94	163.29
315.0	161.23	161.34	161.40	161.40	161.34	161.11	160.87	160.63	160.40
337.5	155.49	155.97	156.26	156.38	156.56	156.38	156.38	156.38	156.50
360.0	156.74	156.91	156.97	156.85	156.79	156.44	156.26	156.44	156.79



## Intensity data(cd)

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C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	157.09	157.80	158.21	158.63	159.22	159.75	160.16	159.75	152.42
22.5	156.32	157.03	157.56	158.03	158.57	158.98	159.04	155.38	150.71
45.0	158.63	158.98	159.22	159.63	159.93	159.39	151.60	140.67	119.75
67.5	160.69	160.87	161.11	161.17	161.28	161.28	161.11	157.86	151.77
90.0	161.64	162.23	162.47	162.94	163.41	163.06	156.44	148.76	126.07
112.5	160.69	160.87	161.11	161.17	161.28	161.28	161.11	157.86	151.77
135.0	158.63	158.98	159.22	159.63	159.93	159.39	151.60	140.67	119.75
157.5	156.32	157.03	157.56	158.03	158.57	158.98	159.04	155.38	150.71
180.0	157.09	157.80	158.21	158.63	159.22	159.75	160.16	159.75	152.42
202.5	156.62	156.97	157.09	157.27	157.68	157.92	157.98	156.14	150.65
225.0	160.40	160.69	161.05	161.34	161.70	162.17	162.64	163.12	163.29
247.5	163.71	164.12	164.36	164.71	165.01	165.18	165.36	165.24	160.99
270.0	166.01	166.13	166.36	166.48	166.84	167.19	167.55	167.90	168.02
292.5	163.71	164.12	164.36	164.71	165.01	165.18	165.36	165.24	160.99
315.0	160.40	160.69	161.05	161.34	161.70	162.17	162.64	163.12	163.29
337.5	156.62	156.97	157.09	157.27	157.68	157.92	157.98	156.14	150.65
360.0	157.09	157.80	158.21	158.63	159.22	159.75	160.16	159.75	152.42
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	137.77	124.60	106.75	88.03	72.55	37.81	26.94	10.46	7.56
22.5	135.23	119.04	101.02	82.06	57.48	34.32	20.09	8.09	6.85
45.0	97.66	86.20	67.64	49.15	30.43	11.40	7.27	5.02	3.72
67.5	134.23	116.92	98.48	73.73	46.32	24.81	11.40	6.62	6.62
90.0	103.15	91.69	72.90	54.12	35.33	14.77	9.33	6.26	4.61
112.5	134.23	116.92	98.48	73.73	46.32	24.81	11.40	6.62	6.62
135.0	97.66	86.20	67.64	49.15	30.43	11.40	7.27	5.02	3.72
157.5	135.23	119.04	101.02	82.06	57.48	34.32	20.09	8.09	6.85
180.0	137.77	124.60	106.75	88.03	72.55	37.81	26.94	10.46	7.56
202.5	137.18	127.73	110.77	92.93	74.62	52.11	41.12	18.55	8.27
225.0	163.17	157.38	144.56	127.31	115.79	76.86	56.24	31.67	15.36
247.5	141.79	131.39	113.14	94.47	75.74	53.05	42.00	23.93	10.22
270.0	167.19	157.98	142.97	124.89	113.08	70.54	51.52	32.61	12.05
292.5	141.79	131.39	113.14	94.47	75.74	53.05	42.00	23.93	10.22
315.0	163.17	157.38	144.56	127.31	115.79	76.86	56.24	31.67	15.36
337.5	137.18	127.73	110.77	92.93	74.62	52.11	41.12	18.55	8.27
360.0	137.77	124.60	106.75	88.03	72.55	37.81	26.94	10.46	7.56
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.55	3.07	2.13	1.24	0.53	0.35	0.12	0.06	0.00
22.5	4.02	2.84	1.77	1.30	0.65	0.30	0.18	0.06	0.00
45.0	2.36	1.18	0.71	0.41	0.12	0.00	0.00	0.00	0.00
67.5	5.32	3.19	1.95	1.36	0.59	0.30	0.12	0.00	0.00
90.0	3.07	1.54	0.71	0.35	0.12	0.00	0.00	0.00	0.00
112.5	5.32	3.19	1.95	1.36	0.59	0.30	0.12	0.00	0.00
135.0	2.36	1.18	0.71	0.41	0.12	0.00	0.00	0.00	0.00
157.5	4.02	2.84	1.77	1.30	0.65	0.30	0.18	0.06	0.00
180.0	4.55	3.07	2.13	1.24	0.53	0.35	0.12	0.06	0.00
202.5	6.14	3.54	2.78	1.42	0.59	0.30	0.18	0.06	0.00
225.0	7.15	7.03	4.67	3.84	2.36	1.30	0.53	0.30	0.18
247.5	6.14	3.96	2.78	1.36	0.53	0.41	0.18	0.12	0.00
270.0	6.50	6.14	4.37	3.66	2.13	1.18	0.47	0.35	0.24
292.5	6.14	3.96	2.78	1.36	0.53	0.41	0.18	0.12	0.00
315.0	7.15	7.03	4.67	3.84	2.36	1.30	0.53	0.30	0.18
337.5	6.14	3.54	2.78	1.42	0.59	0.30	0.18	0.06	0.00
360.0	4.55	3.07	2.13	1.24	0.53	0.35	0.12	0.06	0.00

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	0.00	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	0.06	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	0.06	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/ $\gamma(^{\circ})$	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	0.12
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/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	0.12	0.12
22.5	0.00	0.00	0.00	0.06	0.06	0.06	0.12	0.12	0.06
45.0	0.00	0.00	0.00	0.06	0.12	0.06	0.12	0.12	0.12
67.5	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.12	0.12
90.0	0.00	0.12	0.12	0.00	0.12	0.12	0.12	0.12	0.12
112.5	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.12	0.12
135.0	0.00	0.00	0.00	0.06	0.12	0.06	0.12	0.12	0.12
157.5	0.00	0.00	0.00	0.06	0.06	0.06	0.12	0.12	0.06
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06
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	0.06
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
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	0.06	0.06	0.06
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18
22.5	0.12	0.12	0.12	0.12	0.12	0.18	0.18	0.18	0.18
45.0	0.12	0.12	0.12	0.18	0.18	0.18	0.24	0.24	0.24
67.5	0.12	0.12	0.12	0.12	0.18	0.18	0.18	0.24	0.24
90.0	0.12	0.24	0.24	0.24	0.12	0.24	0.24	0.24	0.24
112.5	0.12	0.12	0.12	0.12	0.18	0.18	0.18	0.24	0.24
135.0	0.12	0.12	0.12	0.18	0.18	0.18	0.24	0.24	0.24
157.5	0.12	0.12	0.12	0.12	0.12	0.18	0.18	0.18	0.18
180.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18
202.5	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
225.0	0.06	0.00	0.00	0.12	0.06	0.12	0.12	0.12	0.12
247.5	0.12	0.12	0.06	0.12	0.12	0.12	0.12	0.12	0.12
270.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
292.5	0.12	0.12	0.06	0.12	0.12	0.12	0.12	0.12	0.12
315.0	0.06	0.00	0.00	0.12	0.06	0.12	0.12	0.12	0.12
337.5	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
360.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.18	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
22.5	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30	0.24
45.0	0.24	0.24	0.30	0.24	0.30	0.30	0.30	0.30	0.35
67.5	0.24	0.24	0.24	0.24	0.30	0.30	0.30	0.30	0.30
90.0	0.24	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.24
112.5	0.24	0.24	0.24	0.24	0.30	0.30	0.30	0.30	0.30
135.0	0.24	0.24	0.30	0.24	0.30	0.30	0.30	0.30	0.35
157.5	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30	0.24
180.0	0.18	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
202.5	0.18	0.12	0.18	0.18	0.24	0.24	0.24	0.30	0.24
225.0	0.12	0.12	0.12	0.12	0.24	0.24	0.24	0.24	0.24
247.5	0.12	0.18	0.18	0.24	0.24	0.18	0.24	0.24	0.24
270.0	0.12	0.12	0.12	0.24	0.24	0.24	0.24	0.24	0.24
292.5	0.12	0.18	0.18	0.24	0.24	0.18	0.24	0.24	0.24
315.0	0.12	0.12	0.12	0.12	0.24	0.24	0.24	0.24	0.24
337.5	0.18	0.12	0.18	0.18	0.24	0.24	0.24	0.30	0.24
360.0	0.18	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30

## 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	0.24	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30
22.5	0.30	0.30	0.30	0.35	0.35	0.30	0.35	0.35	0.35
45.0	0.30	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
67.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35	0.35
90.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
112.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35	0.35
135.0	0.30	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
157.5	0.30	0.30	0.30	0.35	0.35	0.30	0.35	0.35	0.35
180.0	0.24	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30
202.5	0.30	0.30	0.24	0.24	0.24	0.24	0.30	0.35	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	0.30	0.30	0.35
270.0	0.24	0.24	0.35	0.24	0.24	0.24	0.24	0.24	0.35
292.5	0.24	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.35
315.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.30
337.5	0.30	0.30	0.24	0.24	0.24	0.24	0.30	0.35	0.30
360.0	0.24	0.24	0.24	0.24	0.24	0.24	0.30	0.30	0.30
C/ $\gamma(^{\circ})$	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.35	0.30	0.35	0.35	0.30	0.35	0.35	0.35	0.30
22.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
45.0	0.35	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35
67.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
90.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
112.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
135.0	0.35	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35
157.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
180.0	0.35	0.30	0.35	0.35	0.30	0.35	0.35	0.35	0.30
202.5	0.30	0.30	0.30	0.30	0.35	0.35	0.35	0.35	0.35
225.0	0.24	0.24	0.24	0.30	0.30	0.35	0.35	0.35	0.35
247.5	0.35	0.35	0.30	0.35	0.35	0.30	0.35	0.30	0.35
270.0	0.24	0.35	0.24	0.35	0.35	0.24	0.35	0.35	0.24
292.5	0.35	0.35	0.30	0.35	0.35	0.30	0.35	0.30	0.35
315.0	0.24	0.24	0.24	0.30	0.30	0.35	0.35	0.35	0.35
337.5	0.30	0.30	0.30	0.30	0.35	0.35	0.35	0.35	0.35
360.0	0.35	0.30	0.35	0.35	0.30	0.35	0.35	0.35	0.30
C/ $\gamma(^{\circ})$	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.30
22.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.30	0.30
45.0	0.35	0.35	0.35	0.35	0.35	0.30	0.35	0.30	0.35
67.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
90.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
112.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
135.0	0.35	0.35	0.35	0.35	0.35	0.30	0.35	0.30	0.35
157.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.30	0.30
180.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.30
202.5	0.35	0.30	0.35	0.35	0.35	0.35	0.24	0.30	0.24
225.0	0.35	0.35	0.24	0.35	0.35	0.35	0.35	0.30	0.35
247.5	0.35	0.35	0.30	0.35	0.30	0.35	0.35	0.35	0.35
270.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.24
292.5	0.35	0.35	0.30	0.35	0.30	0.35	0.35	0.35	0.35
315.0	0.35	0.35	0.24	0.35	0.35	0.35	0.35	0.30	0.35
337.5	0.35	0.30	0.35	0.35	0.35	0.35	0.24	0.30	0.24
360.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.30

Intensity data(cd)

C/ $\gamma(^{\circ})$	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	0.35	0.35	0.35	0.30	0.35	0.30	0.35	0.30	0.35
22.5	0.30	0.35	0.35	0.35	0.30	0.30	0.30	0.35	0.35
45.0	0.35	0.35	0.30	0.35	0.35	0.35	0.30	0.35	0.35
67.5	0.30	0.30	0.35	0.35	0.30	0.35	0.35	0.30	0.30
90.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
112.5	0.30	0.30	0.35	0.35	0.30	0.35	0.35	0.30	0.30
135.0	0.35	0.35	0.30	0.35	0.35	0.35	0.30	0.35	0.35
157.5	0.30	0.35	0.35	0.35	0.30	0.30	0.30	0.35	0.35
180.0	0.35	0.35	0.35	0.30	0.35	0.30	0.35	0.30	0.35
202.5	0.35	0.30	0.35	0.30	0.35	0.30	0.35	0.35	0.35
225.0	0.30	0.35	0.35	0.30	0.35	0.24	0.35	0.35	0.35
247.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35	0.35
270.0	0.35	0.24	0.24	0.35	0.35	0.35	0.35	0.35	0.35
292.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35	0.35
315.0	0.30	0.35	0.35	0.30	0.35	0.24	0.35	0.35	0.35
337.5	0.35	0.30	0.35	0.30	0.35	0.30	0.35	0.35	0.35
360.0	0.35	0.35	0.35	0.30	0.35	0.30	0.35	0.30	0.35
C/ $\gamma(^{\circ})$	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	0.35	0.35	0.35	0.24	0.35	0.35	0.35	0.35	0.35
45.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
67.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35	0.35
90.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
112.5	0.35	0.35	0.30	0.35	0.35	0.35	0.35	0.35	0.35
135.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
157.5	0.35	0.35	0.35	0.24	0.35	0.35	0.35	0.35	0.35
180.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
202.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
225.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
247.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.30	0.35
270.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
292.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.30	0.35
315.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
337.5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
360.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
C/ $\gamma(^{\circ})$	180.0								
0.0	0.35								
22.5	0.35								
45.0	0.35								
67.5	0.35								
90.0	0.35								
112.5	0.35								
135.0	0.35								
157.5	0.35								
180.0	0.35								
202.5	0.35								
225.0	0.35								
247.5	0.35								
270.0	0.35								
292.5	0.35								
315.0	0.35								
337.5	0.35								
360.0	0.35								