



Shenzhen Anbotek Pengcheng Compliance Laboratory Ltd

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杭州追明科技有限公司

LumCAT:

Luminaire:

Report No:

Voltage(V): 0.0000

Test No:

Current(A): 0.0000

LampCAT:

Power (W): 0.0000

Lamp flux(lm)

PF: 1.0000

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 655.21

Lumens(lm)/Power(W): 0.00

Central intensity(cd): 262.092

Maximum intensity(cd): 276.772

Angle of maximum intensity: $C=0.0$ $\gamma=1.0$

Beam Angle(50%Imax): [C0/180]Total=97.3

[C90/270]Total=94.1

Field angle(10%Imax): [C0/180]Total=159.5

[C90/270]Total=159.4

Maximum s/h(1/2): C0_180=1.16 C90_270=1.11

Maximum s/h(1/4): C0_180=1.26 C90_270=1.22

Up flux rate of LUM(%): 2.72%

Down flux rate of LUM(%): 97.28%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 76.478%

Equipment:
Temperature(°C): 25.1

Date: 2020-1-14
Humidity(%): 54.0%

Operator: Ocean Deng
Distance(m): 13.38

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	262.092	.000	.000	.000%	.000%	.000%
1.0	263.625	.252	.252	.038%	.038%	.038%
2.0	263.356	.756	1.008	.115%	.154%	.154%
3.0	262.920	1.259	2.267	.192%	.346%	.346%
4.0	262.282	1.758	4.025	.268%	.614%	.614%
5.0	261.454	2.253	6.278	.344%	.958%	.958%
6.0	260.357	2.742	9.020	.419%	1.377%	1.377%
7.0	258.959	3.223	12.243	.492%	1.869%	1.869%
8.0	257.381	3.695	15.939	.564%	2.433%	2.433%
9.0	255.613	4.158	20.096	.635%	3.067%	3.067%
10.0	253.778	4.610	24.706	.704%	3.771%	3.771%
11.0	251.552	5.049	29.755	.771%	4.541%	4.541%
12.0	249.202	5.474	35.229	.835%	5.377%	5.377%
13.0	246.629	5.884	41.114	.898%	6.275%	6.275%
14.0	243.742	6.277	47.390	.958%	7.233%	7.233%
15.0	240.810	6.652	54.042	1.015%	8.248%	8.248%
16.0	237.599	7.010	61.052	1.070%	9.318%	9.318%
17.0	234.388	7.350	68.403	1.122%	10.440%	10.440%
18.0	231.087	7.675	76.077	1.171%	11.611%	11.611%
19.0	227.350	7.976	84.053	1.217%	12.828%	12.828%
20.0	223.971	8.260	92.313	1.261%	14.089%	14.089%
21.0	220.368	8.532	100.846	1.302%	15.391%	15.391%
22.0	216.888	8.787	109.633	1.341%	16.732%	16.732%
23.0	213.129	9.023	118.655	1.377%	18.110%	18.110%
24.0	209.649	9.243	127.899	1.411%	19.520%	19.520%
25.0	206.169	9.455	137.354	1.443%	20.963%	20.963%
26.0	202.589	9.649	147.002	1.473%	22.436%	22.436%
27.0	198.784	9.820	156.822	1.499%	23.935%	23.935%
28.0	195.148	9.974	166.796	1.522%	25.457%	25.457%
29.0	191.634	10.119	176.915	1.544%	27.001%	27.001%
30.0	188.345	10.259	187.174	1.566%	28.567%	28.567%
31.0	184.988	10.389	197.564	1.586%	30.153%	30.153%
32.0	181.576	10.502	208.065	1.603%	31.756%	31.756%
33.0	178.297	10.602	218.667	1.618%	33.374%	33.374%
34.0	174.851	10.687	229.355	1.631%	35.005%	35.005%
35.0	171.696	10.762	240.117	1.643%	36.647%	36.647%
36.0	168.373	10.828	250.945	1.653%	38.300%	38.300%
37.0	165.139	10.877	261.822	1.660%	39.960%	39.960%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	161.961	10.918	272.740	1.666%	41.627%	41.627%
39.0	158.918	10.952	283.693	1.672%	43.298%	43.298%
40.0	155.807	10.976	294.669	1.675%	44.973%	44.973%
41.0	152.551	10.980	305.650	1.676%	46.649%	46.649%
42.0	149.530	10.975	316.625	1.675%	48.324%	48.324%
43.0	146.487	10.965	327.590	1.674%	49.998%	49.998%
44.0	143.466	10.944	338.534	1.670%	51.668%	51.668%
45.0	140.243	10.903	349.437	1.664%	53.332%	53.332%
46.0	137.301	10.854	360.291	1.657%	54.989%	54.989%
47.0	134.224	10.799	371.090	1.648%	56.637%	56.637%
48.0	131.225	10.731	381.821	1.638%	58.275%	58.275%
49.0	128.249	10.655	392.477	1.626%	59.901%	59.901%
50.0	125.093	10.563	403.039	1.612%	61.513%	61.513%
51.0	122.162	10.461	413.500	1.597%	63.110%	63.110%
52.0	118.962	10.347	423.847	1.579%	64.689%	64.689%
53.0	115.985	10.220	434.067	1.560%	66.249%	66.249%
54.0	112.931	10.090	444.157	1.540%	67.789%	67.789%
55.0	109.742	9.940	454.097	1.517%	69.306%	69.306%
56.0	106.609	9.776	463.873	1.492%	70.798%	70.798%
57.0	103.398	9.602	473.475	1.465%	72.263%	72.263%
58.0	100.209	9.415	482.890	1.437%	73.700%	73.700%
59.0	96.763	9.209	492.099	1.405%	75.106%	75.106%
60.0	93.529	8.990	501.089	1.372%	76.478%	76.478%
61.0	90.228	8.769	509.858	1.338%	77.816%	77.816%
62.0	86.804	8.530	518.389	1.302%	79.118%	79.118%
63.0	83.347	8.275	526.664	1.263%	80.381%	80.381%
64.0	80.203	8.025	534.689	1.225%	81.606%	81.606%
65.0	76.746	7.767	542.457	1.185%	82.792%	82.792%
66.0	73.243	7.483	549.940	1.142%	83.934%	83.934%
67.0	69.920	7.199	557.139	1.099%	85.032%	85.032%
68.0	66.508	6.911	564.050	1.055%	86.087%	86.087%
69.0	63.196	6.617	570.667	1.010%	87.097%	87.097%
70.0	59.693	6.311	576.978	.963%	88.060%	88.060%
71.0	56.449	6.003	582.981	.916%	88.977%	88.977%
72.0	53.014	5.692	588.673	.869%	89.845%	89.845%
73.0	49.646	5.368	594.041	.819%	90.665%	90.665%
74.0	46.188	5.038	599.079	.769%	91.433%	91.433%
75.0	42.753	4.699	603.778	.717%	92.151%	92.151%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	39.520	4.367	608.146	.667%	92.817%	92.817%
77.0	36.230	4.039	612.184	.616%	93.434%	93.434%
78.0	33.030	3.708	615.892	.566%	94.000%	94.000%
79.0	29.718	3.371	619.263	.515%	94.514%	94.514%
80.0	26.585	3.035	622.299	.463%	94.977%	94.977%
81.0	23.654	2.717	625.016	.415%	95.392%	95.392%
82.0	20.722	2.406	627.422	.367%	95.759%	95.759%
83.0	18.070	2.109	629.531	.322%	96.081%	96.081%
84.0	15.262	1.816	631.347	.277%	96.358%	96.358%
85.0	12.632	1.522	632.869	.232%	96.591%	96.591%
86.0	10.372	1.257	634.127	.192%	96.783%	96.783%
87.0	8.414	1.028	635.155	.157%	96.939%	96.939%
88.0	7.127	.851	636.006	.130%	97.069%	97.069%
89.0	6.176	.729	636.735	.111%	97.181%	97.181%
90.0	5.729	.653	637.388	.100%	97.280%	97.280%
91.0	5.617	.622	638.010	.095%	97.375%	97.375%
92.0	5.639	.617	638.627	.094%	97.469%	97.469%
93.0	5.684	.620	639.247	.095%	97.564%	97.564%
94.0	5.639	.620	639.867	.095%	97.659%	97.659%
95.0	5.706	.620	640.487	.095%	97.753%	97.753%
96.0	5.662	.620	641.108	.095%	97.848%	97.848%
97.0	5.606	.614	641.722	.094%	97.942%	97.942%
98.0	5.460	.602	642.323	.092%	98.034%	98.034%
99.0	5.371	.587	642.910	.090%	98.123%	98.123%
100.0	5.203	.572	643.482	.087%	98.210%	98.210%
101.0	5.069	.554	644.036	.085%	98.295%	98.295%
102.0	4.957	.539	644.575	.082%	98.377%	98.377%
103.0	4.867	.526	645.101	.080%	98.457%	98.457%
104.0	4.431	.496	645.596	.076%	98.533%	98.533%
105.0	3.871	.441	646.037	.067%	98.600%	98.600%
106.0	3.200	.374	646.411	.057%	98.657%	98.657%
107.0	2.999	.326	646.737	.050%	98.707%	98.707%
108.0	3.021	.315	647.051	.048%	98.755%	98.755%
109.0	3.111	.319	647.370	.049%	98.804%	98.804%
110.0	3.155	.324	647.694	.049%	98.853%	98.853%
111.0	3.077	.320	648.014	.049%	98.902%	98.902%
112.0	3.032	.312	648.326	.048%	98.950%	98.950%
113.0	2.920	.302	648.627	.046%	98.996%	98.996%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	2.909	.293	648.920	.045%	99.040%	99.040%
115.0	2.786	.284	649.205	.043%	99.084%	99.084%
116.0	2.753	.274	649.479	.042%	99.126%	99.126%
117.0	2.629	.264	649.743	.040%	99.166%	99.166%
118.0	2.629	.256	649.998	.039%	99.205%	99.205%
119.0	2.562	.250	650.249	.038%	99.243%	99.243%
120.0	2.573	.245	650.494	.037%	99.281%	99.281%
121.0	2.450	.237	650.731	.036%	99.317%	99.317%
122.0	2.294	.222	650.953	.034%	99.351%	99.351%
123.0	2.249	.210	651.163	.032%	99.383%	99.383%
124.0	2.126	.200	651.363	.031%	99.413%	99.413%
125.0	2.048	.189	651.552	.029%	99.442%	99.442%
126.0	2.003	.181	651.732	.028%	99.470%	99.470%
127.0	1.913	.173	651.905	.026%	99.496%	99.496%
128.0	1.824	.163	652.068	.025%	99.521%	99.521%
129.0	1.757	.154	652.221	.023%	99.544%	99.544%
130.0	1.690	.146	652.367	.022%	99.566%	99.566%
131.0	1.622	.138	652.505	.021%	99.588%	99.588%
132.0	1.611	.133	652.638	.020%	99.608%	99.608%
133.0	1.544	.128	652.765	.019%	99.627%	99.627%
134.0	1.600	.125	652.890	.019%	99.646%	99.646%
135.0	1.522	.122	653.013	.019%	99.665%	99.665%
136.0	1.455	.114	653.127	.017%	99.682%	99.682%
137.0	1.354	.106	653.233	.016%	99.699%	99.699%
138.0	1.309	.099	653.332	.015%	99.714%	99.714%
139.0	1.287	.094	653.426	.014%	99.728%	99.728%
140.0	1.231	.090	653.516	.014%	99.742%	99.742%
141.0	1.253	.087	653.602	.013%	99.755%	99.755%
142.0	1.231	.085	653.687	.013%	99.768%	99.768%
143.0	1.253	.083	653.770	.013%	99.781%	99.781%
144.0	1.208	.080	653.850	.012%	99.793%	99.793%
145.0	1.175	.076	653.926	.012%	99.804%	99.804%
146.0	1.253	.075	654.001	.012%	99.816%	99.816%
147.0	1.231	.075	654.077	.011%	99.827%	99.827%
148.0	1.231	.073	654.149	.011%	99.838%	99.838%
149.0	1.208	.070	654.219	.011%	99.849%	99.849%
150.0	1.220	.068	654.286	.010%	99.859%	99.859%
151.0	1.208	.066	654.352	.010%	99.869%	99.869%

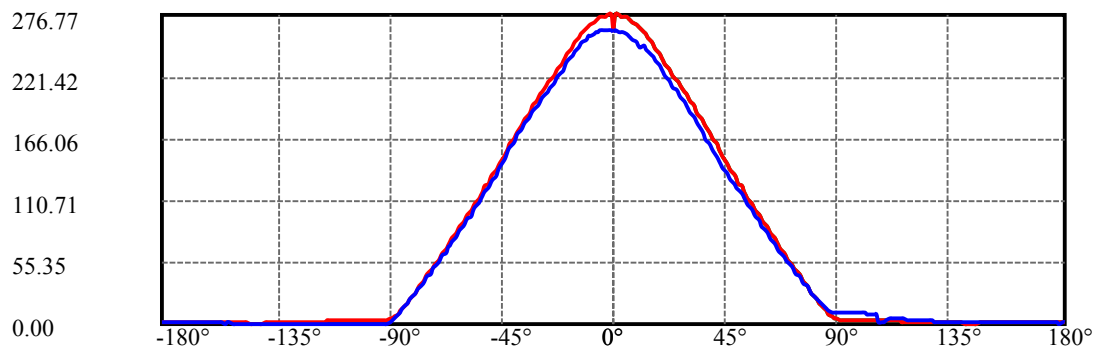
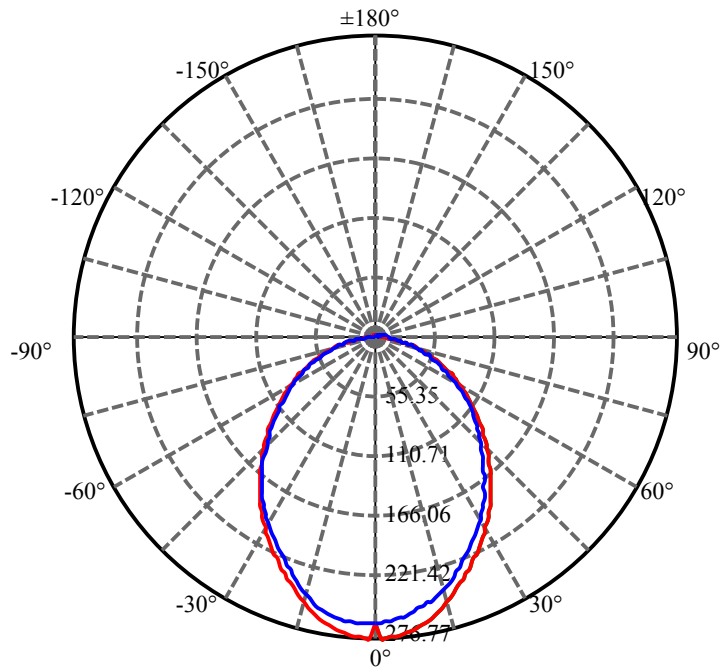
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	1.186	.063	654.415	.010%	99.879%	99.879%
153.0	1.186	.060	654.475	.009%	99.888%	99.888%
154.0	1.141	.057	654.532	.009%	99.897%	99.897%
155.0	1.097	.053	654.584	.008%	99.905%	99.905%
156.0	1.141	.051	654.635	.008%	99.913%	99.913%
157.0	1.119	.049	654.685	.008%	99.920%	99.920%
158.0	1.119	.047	654.732	.007%	99.927%	99.927%
159.0	1.119	.045	654.777	.007%	99.934%	99.934%
160.0	1.108	.043	654.820	.007%	99.941%	99.941%
161.0	1.119	.041	654.860	.006%	99.947%	99.947%
162.0	1.052	.038	654.898	.006%	99.953%	99.953%
163.0	1.029	.034	654.932	.005%	99.958%	99.958%
164.0	1.085	.033	654.965	.005%	99.963%	99.963%
165.0	1.029	.031	654.996	.005%	99.968%	99.968%
166.0	.985	.028	655.024	.004%	99.972%	99.972%
167.0	.985	.025	655.049	.004%	99.976%	99.976%
168.0	.996	.024	655.073	.004%	99.979%	99.979%
169.0	1.018	.022	655.095	.003%	99.983%	99.983%
170.0	.973	.020	655.115	.003%	99.986%	99.986%
171.0	.996	.018	655.132	.003%	99.989%	99.989%
172.0	.996	.016	655.149	.002%	99.991%	99.991%
173.0	.951	.014	655.162	.002%	99.993%	99.993%
174.0	.962	.012	655.174	.002%	99.995%	99.995%
175.0	1.041	.011	655.185	.002%	99.997%	99.997%
176.0	.973	.009	655.194	.001%	99.998%	99.998%
177.0	.973	.007	655.200	.001%	99.999%	99.999%
178.0	.951	.005	655.205	.001%	100.000%	100.000%
179.0	1.029	.003	655.208	.000%	100.000%	100.000%
180.0	.895	.001	655.208	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	187.17	28.57%
0-40	294.67	44.97%
0-60	501.09	76.48%
0-90	637.39	97.28%
0-120	650.49	99.28%
0-180	655.21	100.00%
60-90	145.29	22.17%
90-120	13.76	2.10%
90-130	15.63	2.39%
90-150	17.55	2.68%
90-180	18.47	2.82%
0-62.70	524.17	80.00%

ZONAL LUMEN SUMMARY

0-10	24.71
10-20	67.61
20-30	94.86
30-40	107.49
40-50	108.37
50-60	98.05
60-70	75.89
70-80	45.32
80-90	15.09
90-100	6.09
100-110	4.21
110-120	2.80
120-130	1.87
130-140	1.15
140-150	0.77
150-160	0.53
160-170	0.30
170-180	0.09



C0(Max):

C0/C180:

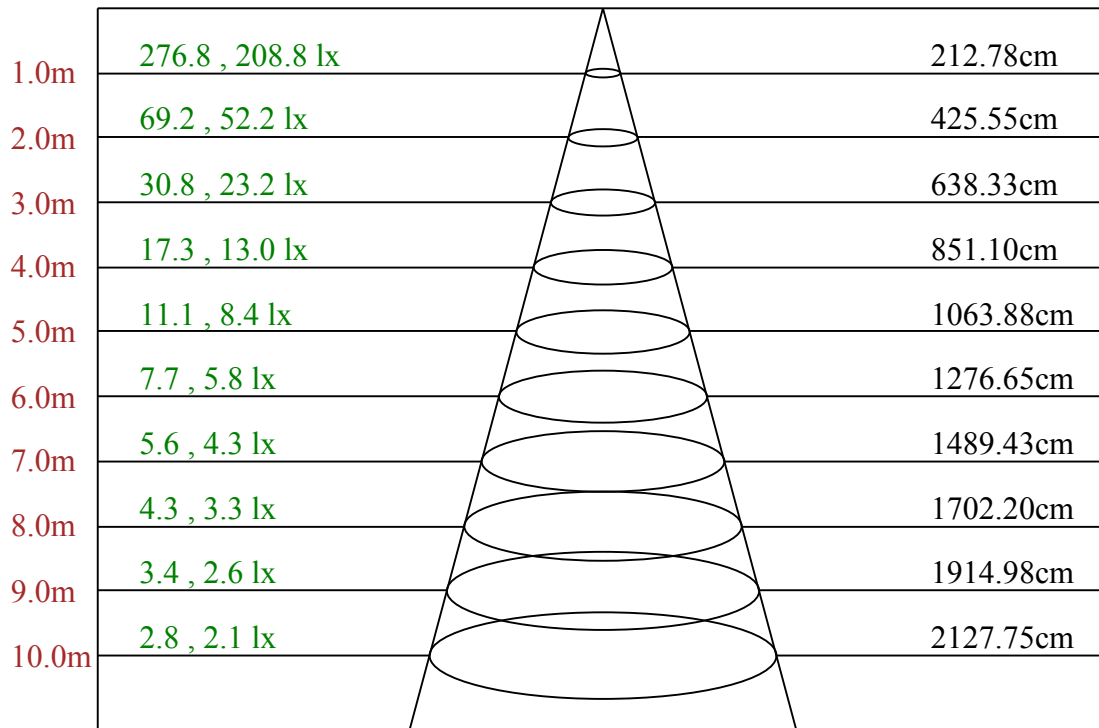
C90/C270:

Field angle(10%Imax):C0/180Left:79.7 Right:79.7

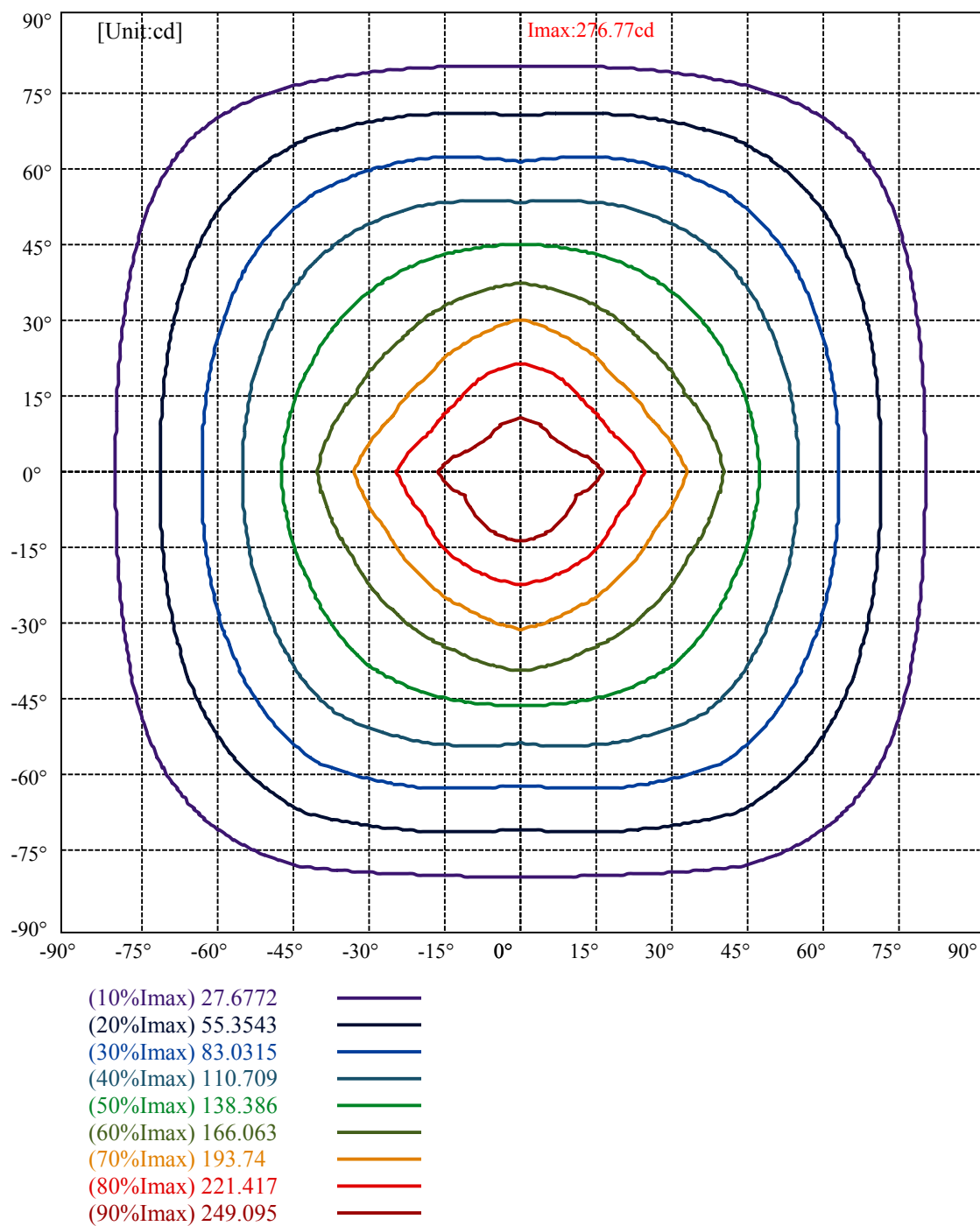
:C90/270Left:79.7 Right:79.8

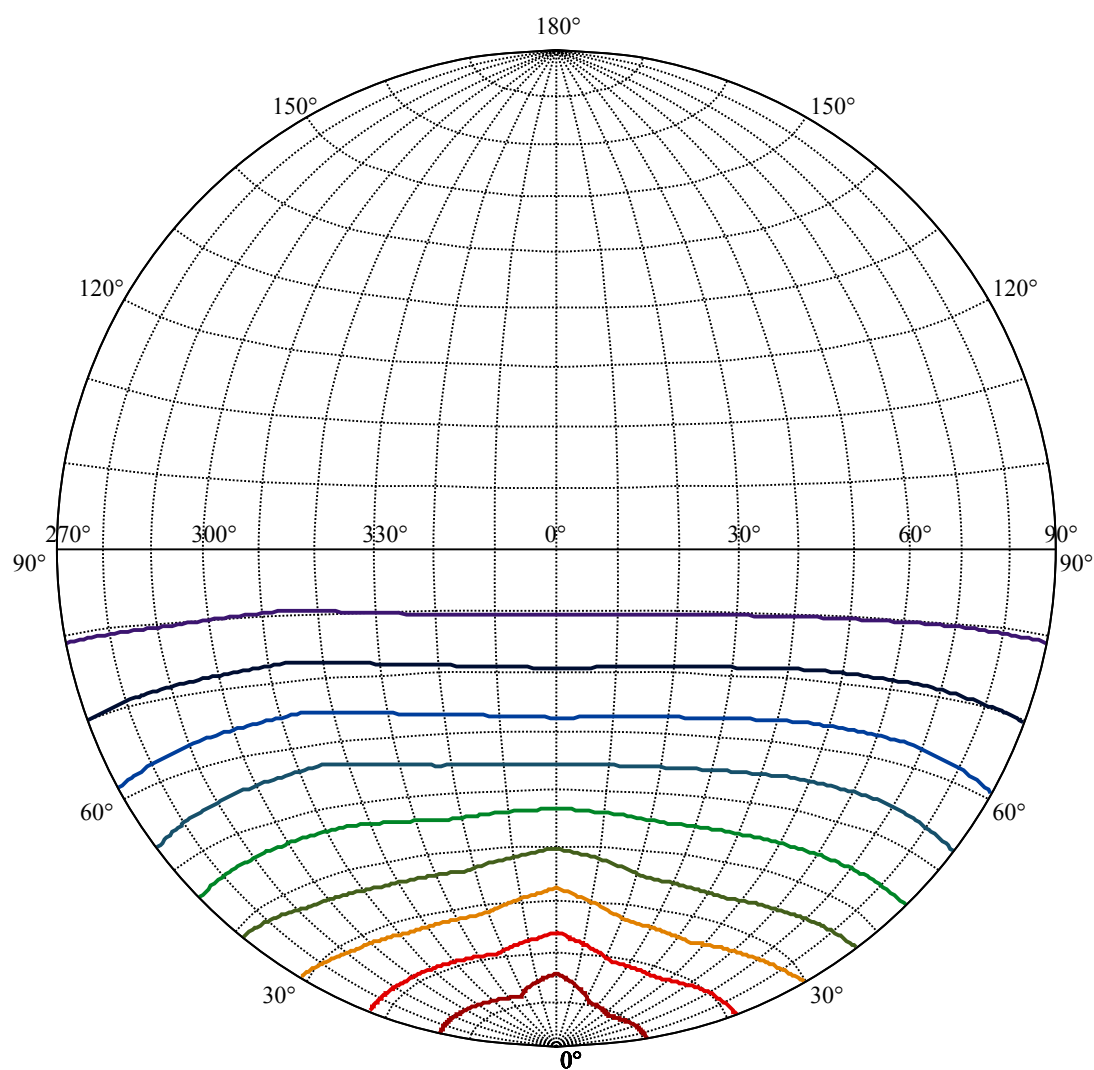
Beam Angle(50%Imax):C0/180Left:48.7 Right:48.7

:C90/270Left:47.6 Right:46.5



Max , Ave Beam angle of C0plane93.55





House

[Unit:cd]

Road

Imax:276.77

(10%Imax) 27.6772

(20%Imax) 55.3543

(30%Imax) 83.0315

(40%Imax) 110.709

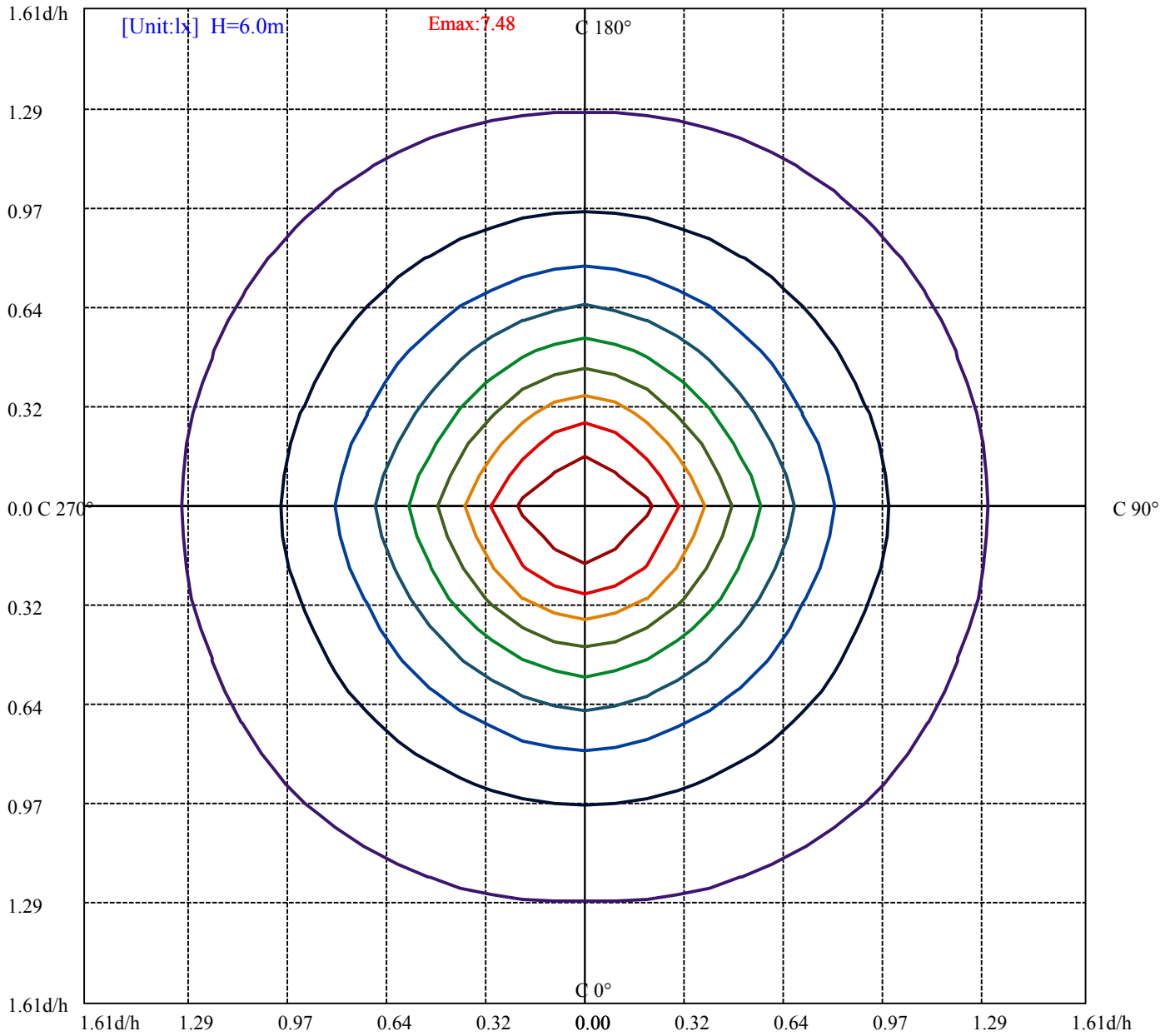
(50%Imax) 138.386

(60%Imax) 166.063

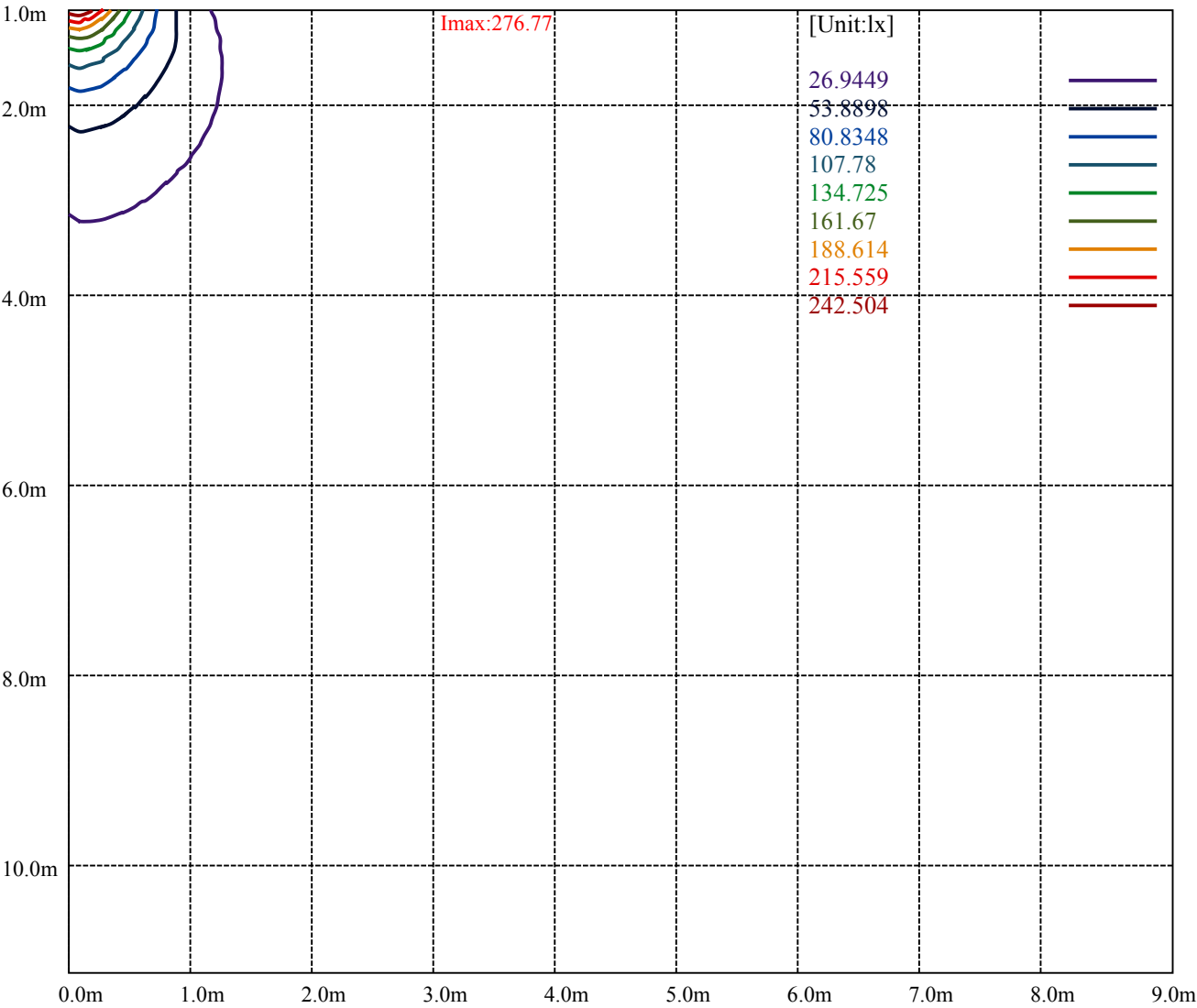
(70%Imax) 193.74

(80%Imax) 221.417

(90%Imax) 249.095



(10%Emax) 0.7484667	—
(20%Emax) 1.496936	—
(30%Emax) 2.245403	—
(40%Emax) 2.993861	—
(50%Emax) 3.742333	—
(60%Emax) 4.490806	—
(70%Emax) 5.239278	—
(80%Emax) 5.98775	—
(90%Emax) 6.736195	—



Luminance Table

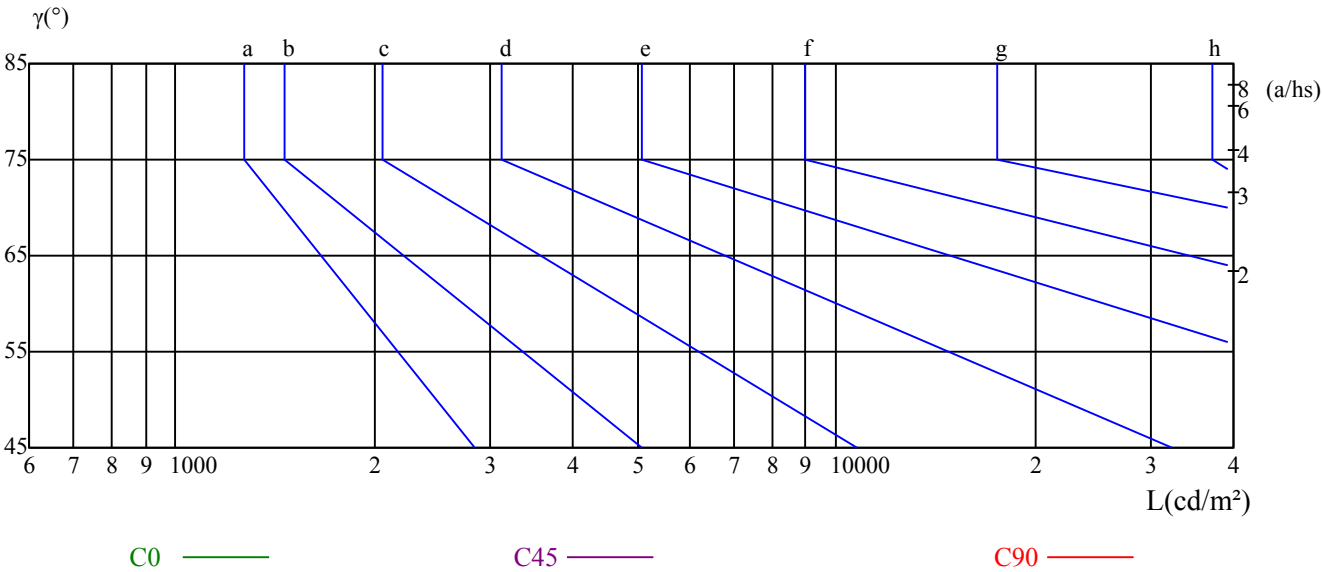
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

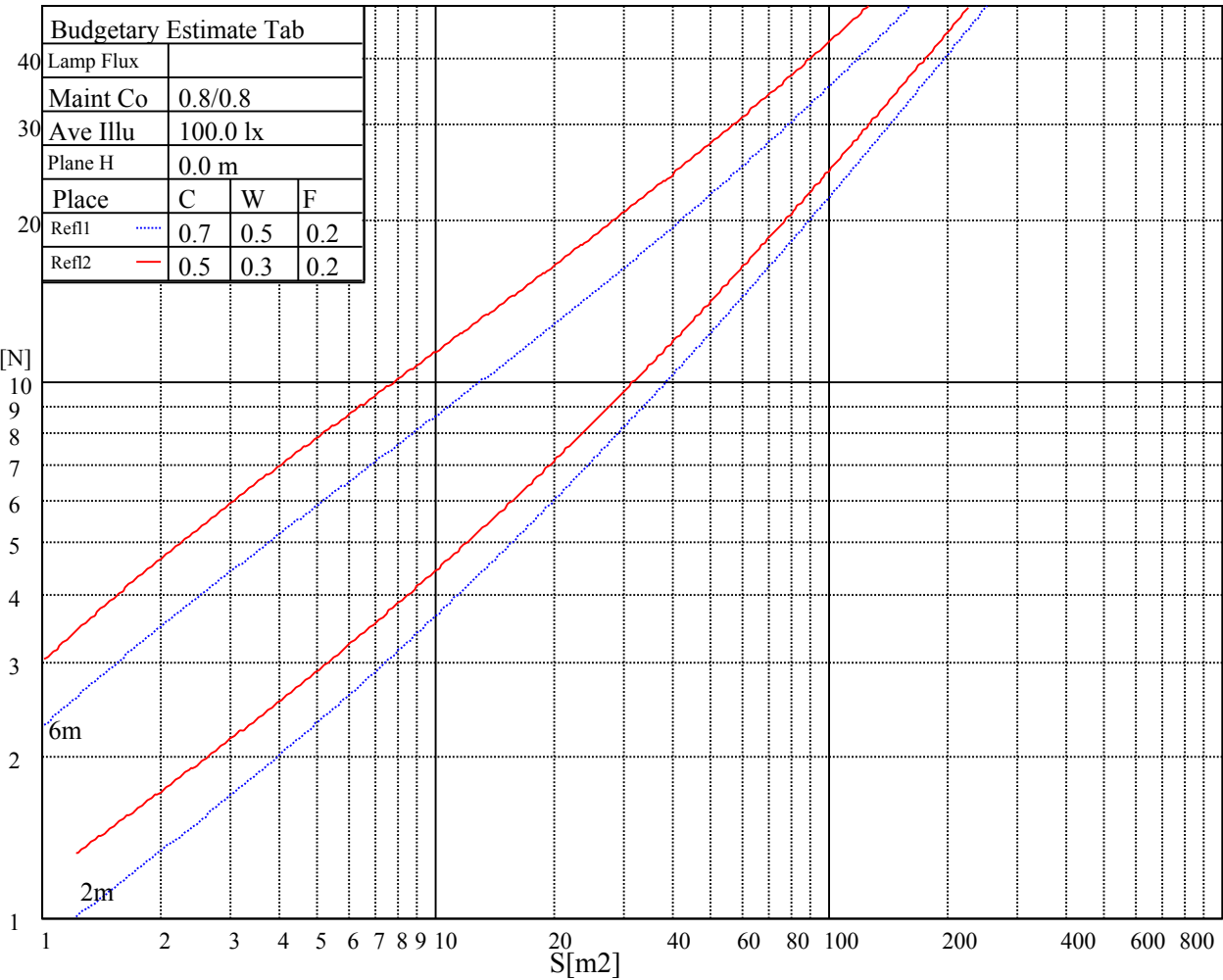
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

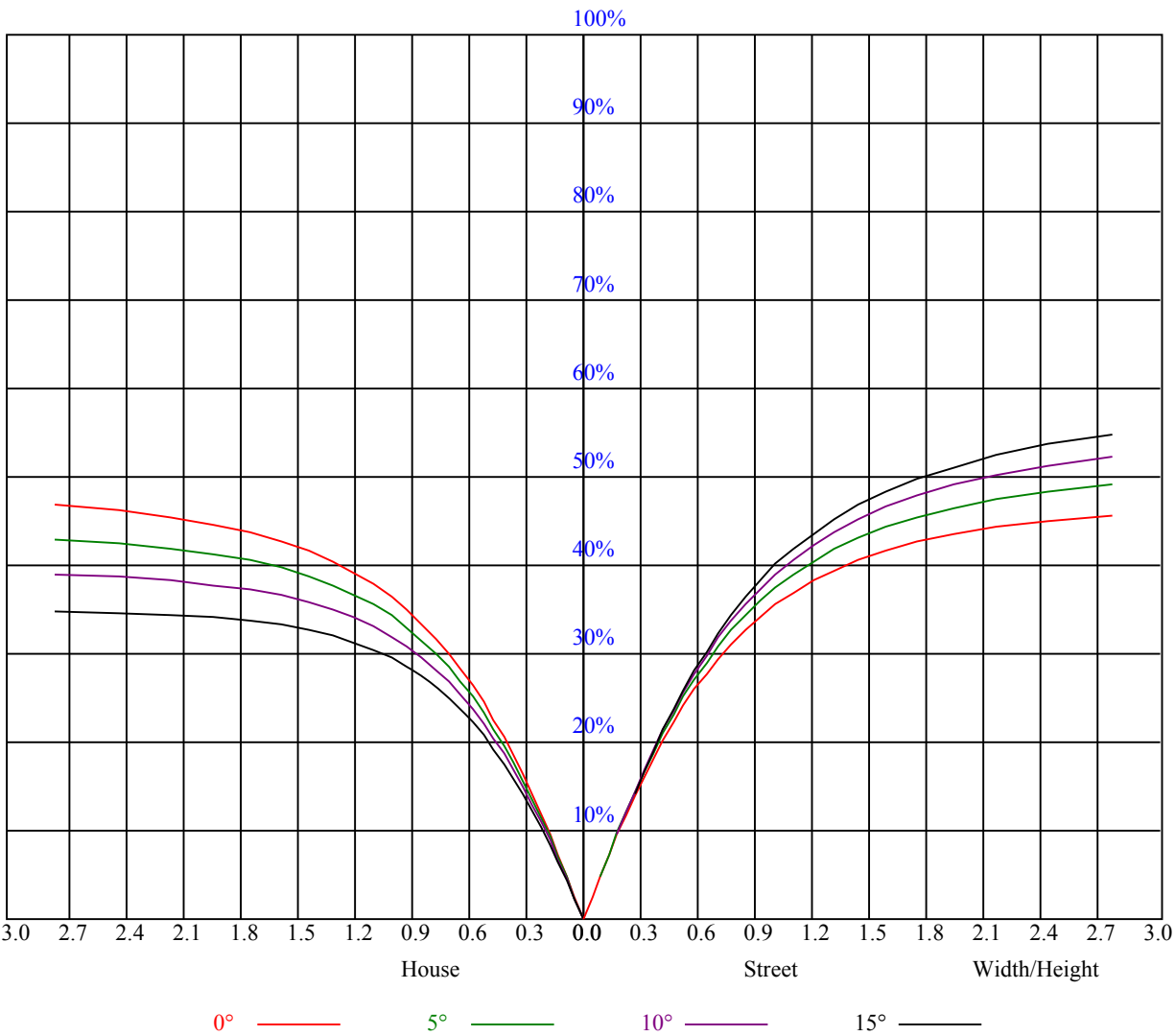
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	1.00	1.00	1.00	0.97
1	1.03	0.99	0.95	1.01	0.97	0.93	0.96	0.93	0.90	0.92	0.89	0.87	0.88	0.85	0.83	0.81
2	0.90	0.83	0.78	0.88	0.82	0.76	0.84	0.79	0.74	0.80	0.76	0.72	0.77	0.73	0.70	0.68
3	0.79	0.71	0.65	0.77	0.70	0.64	0.74	0.68	0.62	0.71	0.66	0.61	0.68	0.64	0.60	0.57
4	0.70	0.62	0.55	0.69	0.61	0.54	0.66	0.59	0.53	0.63	0.57	0.52	0.61	0.56	0.51	0.49
5	0.63	0.54	0.48	0.62	0.53	0.47	0.59	0.52	0.46	0.57	0.51	0.46	0.55	0.49	0.45	0.43
6	0.57	0.48	0.42	0.56	0.47	0.41	0.54	0.46	0.41	0.52	0.45	0.40	0.50	0.44	0.40	0.38
7	0.52	0.43	0.37	0.51	0.43	0.37	0.49	0.42	0.36	0.47	0.41	0.36	0.46	0.40	0.35	0.33
8	0.47	0.39	0.33	0.46	0.38	0.33	0.45	0.38	0.33	0.43	0.37	0.32	0.42	0.36	0.32	0.30
9	0.44	0.35	0.30	0.43	0.35	0.30	0.41	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27
10	0.40	0.32	0.27	0.40	0.32	0.27	0.38	0.32	0.27	0.37	0.31	0.27	0.36	0.31	0.26	0.25



Intensity data(cd)

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C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	262.09	276.77	276.41	275.88	275.34	274.27	273.19	271.94	270.33
22.5	262.09	261.91	261.55	260.84	260.12	259.41	258.15	256.36	254.75
45.0	262.09	260.66	260.12	259.41	258.15	256.90	255.47	253.50	251.35
67.5	262.09	261.73	261.20	260.48	259.59	258.51	256.90	255.11	253.14
90.0	262.09	262.45	261.91	261.38	260.48	259.05	257.97	256.36	254.04
112.5	262.09	261.73	261.20	260.48	259.59	258.51	256.90	255.11	253.14
135.0	262.09	260.66	260.12	259.41	258.15	256.90	255.47	253.50	251.35
157.5	262.09	261.91	261.55	260.84	260.12	259.41	258.15	256.36	254.75
180.0	262.09	276.77	276.41	275.88	275.34	274.27	273.19	271.94	270.33
202.5	262.09	261.91	261.73	261.20	260.84	260.30	259.41	257.97	256.54
225.0	262.09	261.20	261.02	261.20	260.84	260.30	259.41	258.33	257.26
247.5	262.09	262.09	262.27	262.09	261.73	261.20	260.48	259.76	258.69
270.0	262.09	262.99	263.17	263.17	262.81	262.45	261.73	261.02	259.94
292.5	262.09	262.09	262.27	262.09	261.73	261.20	260.48	259.76	258.69
315.0	262.09	261.20	261.02	261.20	260.84	260.30	259.41	258.33	257.26
337.5	262.09	261.91	261.73	261.20	260.84	260.30	259.41	257.97	256.54
360.0	262.09	276.77	276.41	275.88	275.34	274.27	273.19	271.94	270.33
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	268.54	266.39	264.06	261.55	259.05	255.65	252.42	249.02	245.80
22.5	252.60	250.63	248.31	245.80	242.40	239.18	236.13	232.91	229.33
45.0	249.20	247.23	244.19	241.32	238.64	235.42	232.37	228.97	225.57
67.5	250.99	249.02	246.87	244.01	241.68	239.18	236.67	233.27	230.23
90.0	252.07	250.10	247.95	248.66	245.62	243.47	240.97	238.10	235.60
112.5	250.99	249.02	246.87	244.01	241.68	239.18	236.67	233.27	230.23
135.0	249.20	247.23	244.19	241.32	238.64	235.42	232.37	228.97	225.57
157.5	252.60	250.63	248.31	245.80	242.40	239.18	236.13	232.91	229.33
180.0	268.54	266.39	264.06	261.55	259.05	255.65	252.42	249.02	245.80
202.5	255.11	253.32	251.35	248.49	246.16	243.65	240.97	237.39	234.52
225.0	255.83	254.39	252.42	250.10	247.59	245.08	242.22	239.36	235.95
247.5	257.26	255.65	253.68	251.35	249.20	246.34	242.94	240.07	236.67
270.0	258.69	257.08	255.11	253.32	250.99	247.41	244.55	241.50	238.46
292.5	257.26	255.65	253.68	251.35	249.20	246.34	242.94	240.07	236.67
315.0	255.83	254.39	252.42	250.10	247.59	245.08	242.22	239.36	235.95
337.5	255.11	253.32	251.35	248.49	246.16	243.65	240.97	237.39	234.52
360.0	268.54	266.39	264.06	261.55	259.05	255.65	252.42	249.02	245.80
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	242.40	239.00	235.78	232.37	229.33	225.21	222.17	219.13	215.90
22.5	226.11	221.99	218.77	215.19	211.07	207.67	204.27	200.87	197.46
45.0	222.35	218.41	215.01	211.25	207.67	204.09	199.97	196.39	192.27
67.5	227.18	224.14	221.10	216.98	213.58	210.00	206.59	203.19	199.61
90.0	231.48	228.08	225.57	221.81	218.59	214.83	211.96	208.92	205.88
112.5	227.18	224.14	221.10	216.98	213.58	210.00	206.59	203.19	199.61
135.0	222.35	218.41	215.01	211.25	207.67	204.09	199.97	196.39	192.27
157.5	226.11	221.99	218.77	215.19	211.07	207.67	204.27	200.87	197.46
180.0	242.40	239.00	235.78	232.37	229.33	225.21	222.17	219.13	215.90
202.5	230.94	227.72	223.78	220.56	217.16	213.22	209.82	206.42	203.01
225.0	232.91	228.61	225.03	221.10	217.34	213.22	209.28	205.34	200.87
247.5	233.45	229.15	225.75	222.35	218.95	215.01	211.79	207.67	204.27
270.0	235.24	231.48	227.54	224.50	221.45	218.41	214.65	211.79	208.74
292.5	233.45	229.15	225.75	222.35	218.95	215.01	211.79	207.67	204.27
315.0	232.91	228.61	225.03	221.10	217.34	213.22	209.28	205.34	200.87
337.5	230.94	227.72	223.78	220.56	217.16	213.22	209.82	206.42	203.01
360.0	242.40	239.00	235.78	232.37	229.33	225.21	222.17	219.13	215.90

Intensity data(cd)

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C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	212.50	208.56	205.52	202.48	198.90	195.49	191.56	187.80	184.40
22.5	193.88	189.94	186.54	183.32	179.92	176.34	173.47	169.54	166.85
45.0	188.69	185.47	182.25	179.02	175.80	172.76	170.07	166.85	163.63
67.5	195.32	191.56	188.15	184.75	181.53	177.95	174.19	170.79	167.57
90.0	203.01	199.08	195.85	192.99	189.77	185.65	182.07	178.49	174.01
112.5	195.32	191.56	188.15	184.75	181.53	177.95	174.19	170.79	167.57
135.0	188.69	185.47	182.25	179.02	175.80	172.76	170.07	166.85	163.63
157.5	193.88	189.94	186.54	183.32	179.92	176.34	173.47	169.54	166.85
180.0	212.50	208.56	205.52	202.48	198.90	195.49	191.56	187.80	184.40
202.5	198.54	195.14	191.38	187.80	184.22	180.81	177.41	174.01	170.79
225.0	196.75	192.99	189.05	185.29	181.89	178.67	175.62	172.58	169.72
247.5	200.15	196.57	192.63	189.41	186.01	182.43	179.38	175.98	173.12
270.0	205.88	202.83	199.25	196.39	193.53	190.66	187.26	184.04	180.99
292.5	200.15	196.57	192.63	189.41	186.01	182.43	179.38	175.98	173.12
315.0	196.75	192.99	189.05	185.29	181.89	178.67	175.62	172.58	169.72
337.5	198.54	195.14	191.38	187.80	184.22	180.81	177.41	174.01	170.79
360.0	212.50	208.56	205.52	202.48	198.90	195.49	191.56	187.80	184.40
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	180.81	176.34	172.22	169.00	164.70	160.76	156.29	152.53	148.77
22.5	163.81	160.94	158.44	155.39	152.71	149.66	147.16	144.65	141.79
45.0	161.12	158.97	155.57	153.24	150.74	147.87	145.37	143.04	140.53
67.5	164.34	161.12	158.26	154.86	151.45	148.23	145.37	142.68	139.64
90.0	169.36	165.60	161.84	158.08	154.14	150.20	146.44	143.04	139.82
112.5	164.34	161.12	158.26	154.86	151.45	148.23	145.37	142.68	139.64
135.0	161.12	158.97	155.57	153.24	150.74	147.87	145.37	143.04	140.53
157.5	163.81	160.94	158.44	155.39	152.71	149.66	147.16	144.65	141.79
180.0	180.81	176.34	172.22	169.00	164.70	160.76	156.29	152.53	148.77
202.5	167.75	164.17	160.76	157.90	155.04	151.99	149.13	146.08	143.22
225.0	166.49	163.99	161.48	158.62	156.29	153.42	151.10	148.59	145.55
247.5	169.36	165.96	163.27	160.41	157.54	154.32	151.45	148.23	145.37
270.0	177.23	173.65	169.54	165.78	161.84	158.08	154.32	149.13	145.90
292.5	169.36	165.96	163.27	160.41	157.54	154.32	151.45	148.23	145.37
315.0	166.49	163.99	161.48	158.62	156.29	153.42	151.10	148.59	145.55
337.5	167.75	164.17	160.76	157.90	155.04	151.99	149.13	146.08	143.22
360.0	180.81	176.34	172.22	169.00	164.70	160.76	156.29	152.53	148.77
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	144.11	141.43	137.49	133.55	129.79	126.21	122.99	118.69	115.47
22.5	138.74	136.06	133.19	130.33	127.29	124.06	121.20	117.98	114.93
45.0	137.67	135.34	132.48	129.79	127.29	124.42	121.92	119.23	116.19
67.5	137.13	133.91	131.05	128.54	126.03	123.35	120.48	117.44	114.93
90.0	136.42	132.66	129.26	125.68	122.63	119.59	116.19	113.32	109.74
112.5	137.13	133.91	131.05	128.54	126.03	123.35	120.48	117.44	114.93
135.0	137.67	135.34	132.48	129.79	127.29	124.42	121.92	119.23	116.19
157.5	138.74	136.06	133.19	130.33	127.29	124.06	121.20	117.98	114.93
180.0	144.11	141.43	137.49	133.55	129.79	126.21	122.99	118.69	115.47
202.5	140.53	137.31	134.27	131.40	128.18	125.50	122.81	119.41	116.54
225.0	143.22	140.36	137.85	135.52	133.02	129.97	126.93	124.42	121.74
247.5	141.97	139.10	136.24	133.02	130.15	126.57	123.71	120.66	117.62
270.0	140.71	137.13	133.19	129.61	125.85	121.74	118.34	114.40	111.17
292.5	141.97	139.10	136.24	133.02	130.15	126.57	123.71	120.66	117.62
315.0	143.22	140.36	137.85	135.52	133.02	129.97	126.93	124.42	121.74
337.5	140.53	137.31	134.27	131.40	128.18	125.50	122.81	119.41	116.54
360.0	144.11	141.43	137.49	133.55	129.79	126.21	122.99	118.69	115.47

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	112.07	108.31	104.55	101.33	97.93	94.17	90.77	87.36	83.96
22.5	112.07	109.03	106.16	102.94	99.54	96.32	92.91	89.69	86.11
45.0	113.68	110.46	107.41	104.37	101.51	97.93	94.35	91.30	88.26
67.5	112.25	109.20	106.34	103.12	99.72	96.67	94.17	90.59	86.65
90.0	105.98	102.58	99.36	96.14	92.73	88.08	85.22	81.99	78.77
112.5	112.25	109.20	106.34	103.12	99.72	96.67	94.17	90.59	86.65
135.0	113.68	110.46	107.41	104.37	101.51	97.93	94.35	91.30	88.26
157.5	112.07	109.03	106.16	102.94	99.54	96.32	92.91	89.69	86.11
180.0	112.07	108.31	104.55	101.33	97.93	94.17	90.77	87.36	83.96
202.5	113.14	110.28	107.41	103.83	100.61	97.57	93.99	90.94	87.18
225.0	118.69	116.01	112.96	110.10	107.41	103.66	100.61	97.03	94.17
247.5	114.58	111.17	107.95	104.91	101.69	98.46	95.06	91.66	88.44
270.0	107.95	104.37	100.79	97.03	93.81	90.59	87.54	84.50	80.56
292.5	114.58	111.17	107.95	104.91	101.69	98.46	95.06	91.66	88.44
315.0	118.69	116.01	112.96	110.10	107.41	103.66	100.61	97.03	94.17
337.5	113.14	110.28	107.41	103.83	100.61	97.57	93.99	90.94	87.18
360.0	112.07	108.31	104.55	101.33	97.93	94.17	90.77	87.36	83.96
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	80.56	77.70	73.94	70.18	66.96	63.91	60.69	56.93	53.71
22.5	82.53	79.31	76.09	72.86	69.46	65.52	62.12	58.90	55.68
45.0	85.04	81.81	78.23	74.83	71.79	68.03	64.45	61.23	57.82
67.5	83.25	80.02	76.62	72.68	69.28	66.06	62.66	59.08	55.86
90.0	75.73	72.33	68.92	65.88	63.02	60.15	57.11	54.24	51.38
112.5	83.25	80.02	76.62	72.68	69.28	66.06	62.66	59.08	55.86
135.0	85.04	81.81	78.23	74.83	71.79	68.03	64.45	61.23	57.82
157.5	82.53	79.31	76.09	72.86	69.46	65.52	62.12	58.90	55.68
180.0	80.56	77.70	73.94	70.18	66.96	63.91	60.69	56.93	53.71
202.5	83.96	80.74	77.16	73.76	70.54	66.96	63.73	59.79	56.57
225.0	90.05	87.01	83.60	80.02	76.80	73.22	69.82	66.06	62.66
247.5	84.86	81.64	78.23	74.47	70.89	67.67	64.45	60.87	57.47
270.0	77.34	74.47	71.25	68.39	64.27	61.23	58.18	55.14	52.28
292.5	84.86	81.64	78.23	74.47	70.89	67.67	64.45	60.87	57.47
315.0	90.05	87.01	83.60	80.02	76.80	73.22	69.82	66.06	62.66
337.5	83.96	80.74	77.16	73.76	70.54	66.96	63.73	59.79	56.57
360.0	80.56	77.70	73.94	70.18	66.96	63.91	60.69	56.93	53.71
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	50.66	47.44	44.40	40.64	37.60	34.55	31.15	28.29	25.42
22.5	52.28	48.34	45.47	42.25	39.03	35.63	32.58	29.18	26.14
45.0	54.24	50.66	46.90	43.68	40.28	36.88	33.66	29.90	26.50
67.5	52.63	49.59	45.83	42.25	39.21	36.16	33.12	29.90	26.67
90.0	48.69	44.94	42.25	39.56	36.70	33.84	30.79	28.11	25.60
112.5	52.63	49.59	45.83	42.25	39.21	36.16	33.12	29.90	26.67
135.0	54.24	50.66	46.90	43.68	40.28	36.88	33.66	29.90	26.50
157.5	52.28	48.34	45.47	42.25	39.03	35.63	32.58	29.18	26.14
180.0	50.66	47.44	44.40	40.64	37.60	34.55	31.15	28.29	25.42
202.5	53.17	49.95	46.37	42.97	39.56	35.63	32.58	29.54	26.32
225.0	58.36	55.14	51.56	47.62	44.04	40.82	37.42	33.48	29.90
247.5	53.71	50.84	46.37	43.14	39.92	36.52	32.94	29.36	26.32
270.0	49.41	45.47	42.97	39.39	36.34	33.48	30.79	28.11	25.24
292.5	53.71	50.84	46.37	43.14	39.92	36.52	32.94	29.36	26.32
315.0	58.36	55.14	51.56	47.62	44.04	40.82	37.42	33.48	29.90
337.5	53.17	49.95	46.37	42.97	39.56	35.63	32.58	29.54	26.32
360.0	50.66	47.44	44.40	40.64	37.60	34.55	31.15	28.29	25.42

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	22.74	19.33	16.83	14.32	11.64	9.13	6.98	5.37	4.48
22.5	22.92	20.05	17.54	15.04	12.71	10.56	8.41	7.52	6.62
45.0	23.63	20.95	17.72	15.40	13.07	11.28	9.85	8.95	8.77
67.5	23.99	21.12	19.16	16.47	14.14	12.35	10.92	10.20	9.67
90.0	22.92	20.59	18.26	16.29	14.14	12.35	11.10	10.20	10.03
112.5	23.99	21.12	19.16	16.47	14.14	12.35	10.92	10.20	9.67
135.0	23.63	20.95	17.72	15.40	13.07	11.28	9.85	8.95	8.77
157.5	22.92	20.05	17.54	15.04	12.71	10.56	8.41	7.52	6.62
180.0	22.74	19.33	16.83	14.32	11.64	9.13	6.98	5.37	4.48
202.5	23.27	20.23	17.54	14.50	12.17	10.03	7.88	6.44	5.55
225.0	26.85	23.63	20.41	17.01	13.96	11.10	8.41	6.44	4.83
247.5	23.45	20.41	17.72	14.68	11.10	8.41	6.44	4.83	3.40
270.0	21.84	19.51	17.01	13.07	10.38	7.88	5.73	4.30	2.15
292.5	23.45	20.41	17.72	14.68	11.10	8.41	6.44	4.83	3.40
315.0	26.85	23.63	20.41	17.01	13.96	11.10	8.41	6.44	4.83
337.5	23.27	20.23	17.54	14.50	12.17	10.03	7.88	6.44	5.55
360.0	22.74	19.33	16.83	14.32	11.64	9.13	6.98	5.37	4.48
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	3.94	4.12	4.30	4.30	4.12	4.30	4.12	4.12	4.12
22.5	6.62	6.62	6.80	6.98	6.98	7.16	7.16	7.16	6.98
45.0	8.77	8.77	8.95	8.95	8.95	8.77	8.77	8.59	8.41
67.5	9.85	9.85	10.03	10.03	10.03	10.20	10.03	10.03	9.67
90.0	10.03	10.03	10.38	10.38	10.38	10.38	10.20	10.20	9.85
112.5	9.85	9.85	10.03	10.03	10.03	10.20	10.03	10.03	9.67
135.0	8.77	8.77	8.95	8.95	8.95	8.77	8.77	8.59	8.41
157.5	6.62	6.62	6.80	6.98	6.98	7.16	7.16	7.16	6.98
180.0	3.94	4.12	4.30	4.30	4.12	4.30	4.12	4.12	4.12
202.5	4.83	4.65	4.48	4.65	4.65	4.83	5.01	5.01	4.83
225.0	3.76	3.76	3.58	3.58	3.40	3.58	3.40	3.22	3.22
247.5	2.69	1.97	1.61	1.61	1.61	1.43	1.43	1.43	1.43
270.0	0.72	0.36	0.36	0.36	0.36	0.36	0.54	0.36	0.18
292.5	2.69	1.97	1.61	1.61	1.61	1.43	1.43	1.43	1.43
315.0	3.76	3.76	3.58	3.58	3.40	3.58	3.40	3.22	3.22
337.5	4.83	4.65	4.48	4.65	4.65	4.83	5.01	5.01	4.83
360.0	3.94	4.12	4.30	4.30	4.12	4.30	4.12	4.12	4.12
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	3.94	3.94	3.76	3.76	3.58	3.58	3.40	3.22	3.04
22.5	6.98	6.62	6.44	6.27	6.09	6.09	5.91	5.55	5.37
45.0	8.24	8.06	7.88	7.70	7.34	6.98	6.44	5.55	4.65
67.5	9.49	9.13	8.77	8.59	8.41	6.27	3.76	3.22	3.40
90.0	9.67	9.49	9.13	8.77	8.77	8.59	7.88	1.07	1.07
112.5	9.49	9.13	8.77	8.59	8.41	6.27	3.76	3.22	3.40
135.0	8.24	8.06	7.88	7.70	7.34	6.98	6.44	5.55	4.65
157.5	6.98	6.62	6.44	6.27	6.09	6.09	5.91	5.55	5.37
180.0	3.94	3.94	3.76	3.76	3.58	3.58	3.40	3.22	3.04
202.5	4.83	4.65	4.65	4.48	4.48	3.94	3.58	3.40	3.04
225.0	3.22	3.22	3.04	3.04	3.04	2.86	2.69	2.69	2.69
247.5	1.25	1.07	1.25	1.25	1.43	1.25	1.07	1.25	1.07
270.0	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
292.5	1.25	1.07	1.25	1.25	1.43	1.25	1.07	1.25	1.07
315.0	3.22	3.22	3.04	3.04	3.04	2.86	2.69	2.69	2.69
337.5	4.83	4.65	4.65	4.48	4.48	3.94	3.58	3.40	3.04
360.0	3.94	3.94	3.76	3.76	3.58	3.58	3.40	3.22	3.04

Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	3.04	2.86	2.86	3.04	3.04	2.86	2.86	2.51	2.51
22.5	5.19	5.01	5.01	4.48	4.30	3.40	2.86	2.69	2.86
45.0	4.65	4.30	4.48	4.65	5.01	5.01	5.37	5.19	4.83
67.5	4.30	3.94	3.76	3.76	3.76	3.94	4.30	4.30	4.30
90.0	1.07	4.30	5.73	5.55	5.55	5.37	5.01	4.83	4.48
112.5	4.30	3.94	3.76	3.76	3.76	3.94	4.30	4.30	4.30
135.0	4.65	4.30	4.48	4.65	5.01	5.01	5.37	5.19	4.83
157.5	5.19	5.01	5.01	4.48	4.30	3.40	2.86	2.69	2.86
180.0	3.04	2.86	2.86	3.04	3.04	2.86	2.86	2.51	2.51
202.5	2.69	2.86	2.69	2.69	2.51	2.51	2.51	2.33	2.51
225.0	2.51	2.51	2.33	2.15	2.15	2.15	2.15	2.15	1.97
247.5	1.07	1.07	1.07	0.90	0.54	0.54	0.54	0.54	0.54
270.0	0.36	0.36	0.36	0.36	0.36	0.54	0.36	0.36	0.54
292.5	1.07	1.07	1.07	0.90	0.54	0.54	0.54	0.54	0.54
315.0	2.51	2.51	2.33	2.15	2.15	2.15	2.15	2.15	1.97
337.5	2.69	2.86	2.69	2.69	2.51	2.51	2.51	2.33	2.51
360.0	3.04	2.86	2.86	3.04	3.04	2.86	2.86	2.51	2.51
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	2.33	2.33	2.15	2.33	2.15	2.15	2.15	2.15	1.97
22.5	2.86	3.22	3.40	3.58	3.40	3.22	3.04	2.86	2.69
45.0	4.48	4.12	3.76	3.40	3.04	2.69	2.69	2.51	2.33
67.5	4.48	4.48	4.30	4.12	4.12	3.94	3.76	3.58	3.58
90.0	4.12	3.76	3.76	3.58	3.22	2.86	2.86	2.86	2.86
112.5	4.48	4.48	4.30	4.12	4.12	3.94	3.76	3.58	3.58
135.0	4.48	4.12	3.76	3.40	3.04	2.69	2.69	2.51	2.33
157.5	2.86	3.22	3.40	3.58	3.40	3.22	3.04	2.86	2.69
180.0	2.33	2.33	2.15	2.33	2.15	2.15	2.15	2.15	1.97
202.5	2.33	2.33	2.51	2.69	2.51	2.33	2.33	2.15	2.15
225.0	1.79	1.97	1.79	1.79	1.61	1.43	1.43	1.25	1.07
247.5	0.54	0.54	0.54	0.72	0.90	0.90	0.90	0.90	0.90
270.0	0.36	0.36	0.36	0.36	0.54	0.54	0.54	0.36	0.54
292.5	0.54	0.54	0.54	0.72	0.90	0.90	0.90	0.90	0.90
315.0	1.79	1.97	1.79	1.79	1.61	1.43	1.43	1.25	1.07
337.5	2.33	2.33	2.51	2.69	2.51	2.33	2.33	2.15	2.15
360.0	2.33	2.33	2.15	2.33	2.15	2.15	2.15	2.15	1.97
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	1.97	1.97	1.79	1.79	1.79	1.79	1.79	1.61	1.61
22.5	2.69	2.51	2.33	2.33	2.15	2.15	2.15	1.79	1.79
45.0	2.15	1.97	1.79	1.61	1.61	1.43	1.43	1.61	1.61
67.5	3.58	3.40	3.40	3.22	3.04	3.04	2.86	2.69	2.86
90.0	2.69	2.69	2.51	2.51	2.51	2.33	2.33	2.33	2.15
112.5	3.58	3.40	3.40	3.22	3.04	3.04	2.86	2.69	2.86
135.0	2.15	1.97	1.79	1.61	1.61	1.43	1.43	1.61	1.61
157.5	2.69	2.51	2.33	2.33	2.15	2.15	2.15	1.79	1.79
180.0	1.97	1.97	1.79	1.79	1.79	1.79	1.79	1.61	1.61
202.5	2.15	1.97	1.79	1.79	1.79	1.79	1.79	1.61	1.79
225.0	1.07	1.07	1.07	0.90	0.72	0.54	0.72	0.72	0.90
247.5	0.90	0.90	0.90	0.90	0.90	0.90	0.72	0.90	0.90
270.0	0.36	0.36	0.54	0.54	0.54	0.36	0.54	0.54	0.54
292.5	0.90	0.90	0.90	0.90	0.90	0.90	0.72	0.90	0.90
315.0	1.07	1.07	1.07	0.90	0.72	0.54	0.72	0.72	0.90
337.5	2.15	1.97	1.79	1.79	1.79	1.79	1.79	1.61	1.79
360.0	1.97	1.97	1.79	1.79	1.79	1.79	1.79	1.61	1.61

Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	1.61	1.43	1.43	1.25	0.90	0.72	0.72	0.72	0.72
22.5	1.61	1.43	1.07	0.90	0.90	0.72	0.90	0.90	0.90
45.0	1.61	1.79	1.79	1.97	1.97	1.97	1.97	1.79	1.79
67.5	2.69	2.51	2.51	2.51	2.33	2.33	2.15	2.15	2.15
90.0	2.33	2.15	2.15	2.15	1.97	1.97	1.97	1.79	1.79
112.5	2.69	2.51	2.51	2.51	2.33	2.33	2.15	2.15	2.15
135.0	1.61	1.79	1.79	1.97	1.97	1.97	1.97	1.79	1.79
157.5	1.61	1.43	1.07	0.90	0.90	0.72	0.90	0.90	0.90
180.0	1.61	1.43	1.43	1.25	0.90	0.72	0.72	0.72	0.72
202.5	1.43	1.25	0.90	0.72	0.90	0.90	0.90	0.90	0.90
225.0	0.90	0.90	0.90	0.90	1.07	1.07	1.25	1.25	1.25
247.5	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.07
270.0	0.54	0.72	0.54	0.54	0.72	0.54	0.54	0.72	0.72
292.5	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.07
315.0	0.90	0.90	0.90	0.90	1.07	1.07	1.25	1.25	1.25
337.5	1.43	1.25	0.90	0.72	0.90	0.90	0.90	0.90	0.90
360.0	1.61	1.43	1.43	1.25	0.90	0.72	0.72	0.72	0.72
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.72	0.72	0.90	0.90	0.90	1.07	1.07	1.07	1.07
22.5	0.90	0.90	1.07	1.07	1.07	1.07	1.07	1.07	1.25
45.0	1.79	1.61	1.61	1.43	1.25	1.25	1.25	1.25	1.25
67.5	2.15	1.97	1.97	1.97	1.97	1.79	1.61	1.61	1.43
90.0	1.79	1.79	1.79	1.79	1.79	1.61	1.61	1.43	1.43
112.5	2.15	1.97	1.97	1.97	1.97	1.79	1.61	1.61	1.43
135.0	1.79	1.61	1.61	1.43	1.25	1.25	1.25	1.25	1.25
157.5	0.90	0.90	1.07	1.07	1.07	1.07	1.07	1.07	1.25
180.0	0.72	0.72	0.90	0.90	0.90	1.07	1.07	1.07	1.07
202.5	0.90	0.90	1.07	1.07	1.25	1.25	1.43	1.25	1.25
225.0	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
247.5	0.72	0.90	0.90	0.90	0.90	0.90	0.90	1.07	0.90
270.0	0.72	0.54	0.72	0.72	0.72	0.54	0.72	0.72	0.72
292.5	0.72	0.90	0.90	0.90	0.90	0.90	0.90	1.07	0.90
315.0	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
337.5	0.90	0.90	1.07	1.07	1.25	1.25	1.43	1.25	1.25
360.0	0.72	0.72	0.90	0.90	0.90	1.07	1.07	1.07	1.07
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
22.5	1.07	1.07	1.07	0.90	1.07	1.07	1.07	1.07	1.07
45.0	1.25	1.07	1.07	1.25	1.07	1.07	1.07	1.07	1.07
67.5	1.43	1.25	1.25	1.43	1.25	1.25	1.25	1.07	1.07
90.0	1.25	1.25	1.43	1.25	1.25	1.25	1.25	1.25	1.25
112.5	1.43	1.25	1.25	1.43	1.25	1.25	1.25	1.07	1.07
135.0	1.25	1.07	1.07	1.25	1.07	1.07	1.07	1.07	1.07
157.5	1.07	1.07	1.07	0.90	1.07	1.07	1.07	1.07	1.07
180.0	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
202.5	1.25	1.25	1.07	1.25	1.25	1.07	1.07	1.07	1.07
225.0	1.25	1.25	1.25	1.25	1.07	1.07	1.25	1.25	1.25
247.5	1.07	1.07	0.90	0.90	1.07	1.25	1.07	1.07	1.07
270.0	0.90	0.90	0.72	0.90	0.90	0.90	0.90	1.07	1.25
292.5	1.07	1.07	0.90	0.90	1.07	1.25	1.07	1.07	1.07
315.0	1.25	1.25	1.25	1.25	1.07	1.07	1.25	1.25	1.25
337.5	1.25	1.25	1.07	1.25	1.25	1.07	1.07	1.07	1.07
360.0	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07

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	1.07	1.07	1.07	1.07	0.90	0.90	1.07	0.90	0.90
22.5	0.90	0.90	1.07	1.07	0.90	0.90	0.90	1.07	0.90
45.0	1.07	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
67.5	1.07	1.07	1.07	0.90	0.90	1.07	0.90	1.07	0.90
90.0	1.07	1.07	1.25	1.07	1.07	0.90	0.90	0.90	0.90
112.5	1.07	1.07	1.07	0.90	0.90	1.07	0.90	1.07	0.90
135.0	1.07	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
157.5	0.90	0.90	1.07	1.07	0.90	0.90	0.90	1.07	0.90
180.0	1.07	1.07	1.07	1.07	0.90	0.90	1.07	0.90	0.90
202.5	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
225.0	1.07	1.07	1.07	1.07	0.90	1.07	1.07	1.07	1.07
247.5	1.07	1.07	1.25	1.07	1.25	1.07	1.07	1.07	1.07
270.0	1.07	1.07	1.07	1.07	1.07	0.90	1.07	1.07	1.07
292.5	1.07	1.07	1.25	1.07	1.25	1.07	1.07	1.07	1.07
315.0	1.07	1.07	1.07	1.07	0.90	1.07	1.07	1.07	1.07
337.5	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
360.0	1.07	1.07	1.07	1.07	0.90	0.90	1.07	0.90	0.90
C/ $\gamma(^{\circ})$	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.90	1.07	0.90	0.90	1.07	0.90	1.07	1.07	1.07
22.5	0.90	0.90	1.07	0.90	1.07	0.90	1.07	1.07	1.07
45.0	1.07	0.90	0.72	0.90	0.90	0.90	0.90	0.90	1.07
67.5	0.90	0.90	0.90	0.90	1.07	0.90	0.90	0.90	0.90
90.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.72	0.90
112.5	0.90	0.90	0.90	0.90	1.07	0.90	0.90	0.90	0.90
135.0	1.07	0.90	0.72	0.90	0.90	0.90	0.90	0.90	1.07
157.5	0.90	0.90	1.07	0.90	1.07	0.90	1.07	1.07	1.07
180.0	0.90	1.07	0.90	0.90	1.07	0.90	1.07	1.07	1.07
202.5	1.07	1.07	0.90	1.07	1.07	1.07	0.90	0.90	1.07
225.0	1.07	1.07	1.07	1.07	1.07	1.07	1.07	0.90	1.07
247.5	1.07	1.07	1.07	1.07	1.07	1.07	0.90	1.07	1.07
270.0	1.07	1.07	1.07	0.90	1.07	1.07	1.07	0.90	0.90
292.5	1.07	1.07	1.07	1.07	1.07	1.07	0.90	1.07	1.07
315.0	1.07	1.07	1.07	1.07	1.07	1.07	1.07	0.90	1.07
337.5	1.07	1.07	0.90	1.07	1.07	1.07	0.90	0.90	1.07
360.0	0.90	1.07	0.90	0.90	1.07	0.90	1.07	1.07	1.07
C/ $\gamma(^{\circ})$	180.0								
0.0	0.90								
22.5	0.90								
45.0	0.90								
67.5	0.90								
90.0	0.90								
112.5	0.90								
135.0	0.90								
157.5	0.90								
180.0	0.90								
202.5	0.90								
225.0	0.90								
247.5	0.90								
270.0	0.90								
292.5	0.90								
315.0	0.90								
337.5	0.90								
360.0	0.90								