



Shenzhen Anbotek Pengcheng Compliance Laboratory Limited
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Address:1/F., Bldg C, Gold Power Industrial Park, Julongshan Grand Industrial Zone, Pingshan New District, Shenzhen, China

LumCAT: TY-BUS-100DW-3

Luminaire:

Report No:

Voltage(V): 219.9000

Test No:

Current(A): 0.4470

LampCAT:

Power (W): 96.6400

Lamp flux(lm)

PF: 0.9834

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 11661.02

Lumens(lm)/Power(W): 120.66

Central intensity(cd): 2685.618

Maximum intensity(cd): 4244.328

Angle of maximum intensity: $C=45.0 \gamma=57.0$

Beam Angle(50%Imax): [C0/180]Total=141.7

[C90/270]Total=116.8

Field angle(10%Imax): [C0/180]Total=156.0

[C90/270]Total=137.7

Maximum s/h(1/2): C0_180=1.73 C90_270=2.07

Maximum s/h(1/4): C0_180=1.92 C90_270=2.01

Up flux rate of LUM(%): 0.39%

Down flux rate of LUM(%): 99.61%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 78.302%

Equipment:
Temperature(°C): 25.3

Date: 2018-11-13
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.45

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	2685.617	.000	.000	.000%	.000%	.000%
1.0	2691.986	2.573	2.573	.022%	.022%	.022%
2.0	2693.500	7.730	10.303	.066%	.088%	.088%
3.0	2694.923	12.887	23.190	.111%	.199%	.199%
4.0	2698.837	18.055	41.245	.155%	.354%	.354%
5.0	2702.466	23.236	64.481	.199%	.553%	.553%
6.0	2706.850	28.427	92.908	.244%	.797%	.797%
7.0	2711.771	33.633	126.542	.288%	1.085%	1.085%
8.0	2717.669	38.857	165.399	.333%	1.418%	1.418%
9.0	2724.559	44.106	209.505	.378%	1.797%	1.797%
10.0	2731.333	49.374	258.879	.423%	2.220%	2.220%
11.0	2738.197	54.652	313.531	.469%	2.689%	2.689%
12.0	2745.139	59.941	373.472	.514%	3.203%	3.203%
13.0	2751.730	65.234	438.706	.559%	3.762%	3.762%
14.0	2759.103	70.538	509.244	.605%	4.367%	4.367%
15.0	2766.777	75.862	585.106	.651%	5.018%	5.018%
16.0	2774.241	81.191	666.297	.696%	5.714%	5.714%
17.0	2782.985	86.541	752.838	.742%	6.456%	6.456%
18.0	2791.703	91.915	844.752	.788%	7.244%	7.244%
19.0	2801.425	97.309	942.061	.834%	8.079%	8.079%
20.0	2812.831	102.757	1044.818	.881%	8.960%	8.960%
21.0	2824.811	108.254	1153.072	.928%	9.888%	9.888%
22.0	2837.365	113.784	1266.856	.976%	10.864%	10.864%
23.0	2851.563	119.369	1386.225	1.024%	11.888%	11.888%
24.0	2865.540	124.996	1511.221	1.072%	12.960%	12.960%
25.0	2880.208	130.646	1641.867	1.120%	14.080%	14.080%
26.0	2896.495	136.360	1778.227	1.169%	15.249%	15.249%
27.0	2912.573	142.120	1920.347	1.219%	16.468%	16.468%
28.0	2928.233	147.877	2068.224	1.268%	17.736%	17.736%
29.0	2942.588	153.597	2221.821	1.317%	19.053%	19.053%
30.0	2956.251	159.268	2381.088	1.366%	20.419%	20.419%
31.0	2970.163	164.924	2546.012	1.414%	21.834%	21.834%
32.0	2983.475	170.565	2716.577	1.463%	23.296%	23.296%
33.0	2997.190	176.193	2892.769	1.511%	24.807%	24.807%
34.0	3007.356	181.715	3074.485	1.558%	26.365%	26.365%
35.0	3018.253	187.133	3261.618	1.605%	27.970%	27.970%
36.0	3027.936	192.512	3454.130	1.651%	29.621%	29.621%
37.0	3036.471	197.787	3651.917	1.696%	31.317%	31.317%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	3044.171	202.964	3854.880	1.741%	33.058%	33.058%
39.0	3047.720	207.933	4062.813	1.783%	34.841%	34.841%
40.0	3052.131	212.741	4275.554	1.824%	36.665%	36.665%
41.0	3053.201	217.408	4492.962	1.864%	38.530%	38.530%
42.0	3052.040	221.814	4714.776	1.902%	40.432%	40.432%
43.0	3052.497	226.130	4940.906	1.939%	42.371%	42.371%
44.0	3048.738	230.278	5171.184	1.975%	44.346%	44.346%
45.0	3046.533	234.248	5405.432	2.009%	46.355%	46.355%
46.0	3044.301	238.199	5643.631	2.043%	48.397%	48.397%
47.0	3034.709	241.778	5885.409	2.073%	50.471%	50.471%
48.0	3028.458	245.105	6130.514	2.102%	52.573%	52.573%
49.0	3010.684	248.001	6378.515	2.127%	54.699%	54.699%
50.0	2991.631	250.257	6628.772	2.146%	56.846%	56.846%
51.0	2962.673	251.918	6880.689	2.160%	59.006%	59.006%
52.0	2935.058	253.076	7133.766	2.170%	61.176%	61.176%
53.0	2903.386	253.972	7387.737	2.178%	63.354%	63.354%
54.0	2866.075	254.294	7642.031	2.181%	65.535%	65.535%
55.0	2821.013	253.862	7895.893	2.177%	67.712%	67.712%
56.0	2768.107	252.557	8148.449	2.166%	69.878%	69.878%
57.0	2715.477	250.722	8399.172	2.150%	72.028%	72.028%
58.0	2651.557	248.191	8647.362	2.128%	74.156%	74.156%
59.0	2575.344	244.361	8891.724	2.096%	76.252%	76.252%
60.0	2484.932	239.065	9130.789	2.050%	78.302%	78.302%
61.0	2396.439	232.949	9363.738	1.998%	80.300%	80.300%
62.0	2294.883	226.056	9589.794	1.939%	82.238%	82.238%
63.0	2176.453	217.464	9807.258	1.865%	84.103%	84.103%
64.0	2030.487	206.433	10013.690	1.770%	85.873%	85.873%
65.0	1883.242	193.687	10207.380	1.661%	87.534%	87.534%
66.0	1747.794	181.165	10388.540	1.554%	89.088%	89.088%
67.0	1610.363	168.858	10557.400	1.448%	90.536%	90.536%
68.0	1457.741	155.420	10712.820	1.333%	91.869%	91.869%
69.0	1295.985	140.482	10853.300	1.205%	93.073%	93.073%
70.0	1162.939	126.286	10979.590	1.083%	94.156%	94.156%
71.0	1017.808	112.713	11092.300	.967%	95.123%	95.123%
72.0	862.681	97.780	11190.080	.839%	95.961%	95.961%
73.0	716.910	82.601	11272.680	.708%	96.670%	96.670%
74.0	594.591	68.949	11341.630	.591%	97.261%	97.261%
75.0	452.423	55.320	11396.950	.474%	97.735%	97.735%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	319.337	40.968	11437.920	.351%	98.087%	98.087%
77.0	231.993	29.394	11467.310	.252%	98.339%	98.339%
78.0	177.600	21.926	11489.240	.188%	98.527%	98.527%
79.0	148.158	17.503	11506.740	.150%	98.677%	98.677%
80.0	138.593	15.459	11522.200	.133%	98.810%	98.810%
81.0	127.370	14.383	11536.580	.123%	98.933%	98.933%
82.0	117.269	13.266	11549.850	.114%	99.047%	99.047%
83.0	106.672	12.174	11562.020	.104%	99.151%	99.151%
84.0	95.579	11.018	11573.040	.094%	99.246%	99.246%
85.0	84.095	9.806	11582.850	.084%	99.330%	99.330%
86.0	73.759	8.629	11591.480	.074%	99.404%	99.404%
87.0	62.615	7.464	11598.940	.064%	99.468%	99.468%
88.0	53.114	6.339	11605.280	.054%	99.522%	99.522%
89.0	43.796	5.312	11610.590	.046%	99.568%	99.568%
90.0	36.567	4.406	11615.000	.038%	99.605%	99.605%
91.0	30.146	3.658	11618.660	.031%	99.637%	99.637%
92.0	23.412	2.936	11621.590	.025%	99.662%	99.662%
93.0	19.158	2.332	11623.930	.020%	99.682%	99.682%
94.0	16.600	1.957	11625.880	.017%	99.699%	99.699%
95.0	14.212	1.684	11627.570	.014%	99.713%	99.713%
96.0	12.633	1.465	11629.030	.013%	99.726%	99.726%
97.0	11.406	1.310	11630.340	.011%	99.737%	99.737%
98.0	10.401	1.185	11631.530	.010%	99.747%	99.747%
99.0	9.605	1.085	11632.610	.009%	99.756%	99.756%
100.0	8.783	.994	11633.610	.009%	99.765%	99.765%
101.0	8.156	.913	11634.520	.008%	99.773%	99.773%
102.0	7.412	.837	11635.360	.007%	99.780%	99.780%
103.0	6.825	.762	11636.120	.007%	99.786%	99.786%
104.0	6.408	.706	11636.820	.006%	99.793%	99.793%
105.0	6.042	.661	11637.480	.006%	99.798%	99.798%
106.0	5.716	.621	11638.110	.005%	99.804%	99.804%
107.0	5.324	.580	11638.690	.005%	99.808%	99.808%
108.0	4.933	.536	11639.220	.005%	99.813%	99.813%
109.0	4.776	.505	11639.730	.004%	99.817%	99.817%
110.0	4.672	.488	11640.210	.004%	99.822%	99.822%
111.0	4.555	.474	11640.690	.004%	99.826%	99.826%
112.0	4.568	.465	11641.150	.004%	99.830%	99.830%
113.0	4.541	.461	11641.620	.004%	99.834%	99.834%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	4.476	.453	11642.070	.004%	99.838%	99.838%
115.0	4.424	.444	11642.510	.004%	99.841%	99.841%
116.0	4.398	.437	11642.950	.004%	99.845%	99.845%
117.0	4.411	.432	11643.380	.004%	99.849%	99.849%
118.0	4.333	.425	11643.810	.004%	99.852%	99.852%
119.0	4.424	.422	11644.230	.004%	99.856%	99.856%
120.0	4.515	.427	11644.660	.004%	99.860%	99.860%
121.0	4.515	.427	11645.080	.004%	99.863%	99.863%
122.0	4.607	.426	11645.510	.004%	99.867%	99.867%
123.0	4.711	.431	11645.940	.004%	99.871%	99.871%
124.0	4.737	.432	11646.370	.004%	99.874%	99.874%
125.0	4.776	.430	11646.800	.004%	99.878%	99.878%
126.0	4.907	.432	11647.230	.004%	99.882%	99.882%
127.0	5.011	.437	11647.670	.004%	99.886%	99.886%
128.0	5.103	.440	11648.110	.004%	99.889%	99.889%
129.0	5.194	.442	11648.550	.004%	99.893%	99.893%
130.0	5.233	.441	11649.000	.004%	99.897%	99.897%
131.0	5.311	.440	11649.430	.004%	99.901%	99.901%
132.0	5.351	.438	11649.870	.004%	99.904%	99.904%
133.0	5.364	.433	11650.310	.004%	99.908%	99.908%
134.0	5.442	.430	11650.740	.004%	99.912%	99.912%
135.0	5.416	.425	11651.160	.004%	99.915%	99.915%
136.0	5.507	.420	11651.580	.004%	99.919%	99.919%
137.0	5.494	.415	11652.000	.004%	99.923%	99.923%
138.0	5.442	.405	11652.400	.003%	99.926%	99.926%
139.0	5.507	.398	11652.800	.003%	99.930%	99.930%
140.0	5.494	.392	11653.190	.003%	99.933%	99.933%
141.0	5.507	.384	11653.570	.003%	99.936%	99.936%
142.0	5.468	.375	11653.950	.003%	99.939%	99.939%
143.0	5.507	.366	11654.310	.003%	99.943%	99.943%
144.0	5.468	.358	11654.670	.003%	99.946%	99.946%
145.0	5.442	.347	11655.020	.003%	99.949%	99.949%
146.0	5.481	.339	11655.360	.003%	99.951%	99.951%
147.0	5.442	.331	11655.690	.003%	99.954%	99.954%
148.0	5.481	.322	11656.010	.003%	99.957%	99.957%
149.0	5.468	.314	11656.330	.003%	99.960%	99.960%
150.0	5.494	.305	11656.630	.003%	99.962%	99.962%
151.0	5.442	.295	11656.920	.003%	99.965%	99.965%

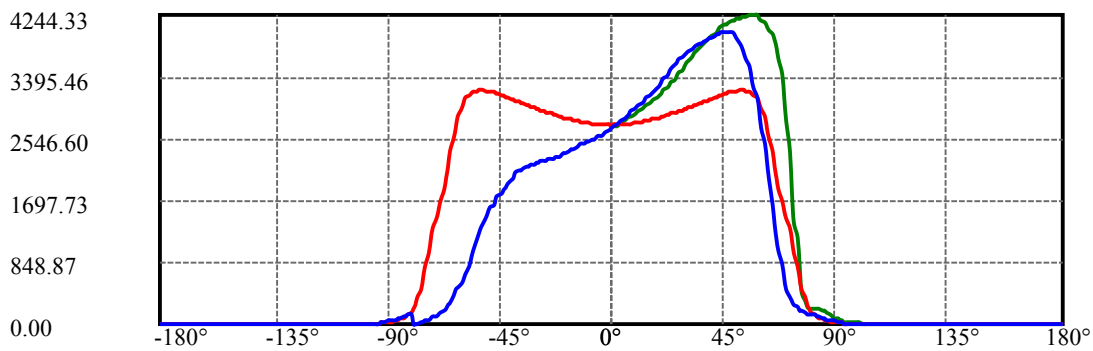
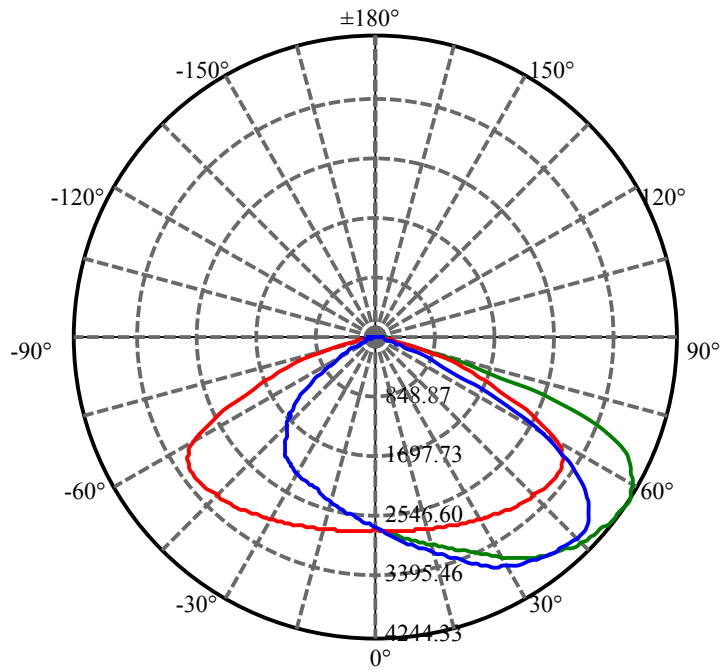
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	5.494	.286	11657.210	.002%	99.967%	99.967%
153.0	5.442	.277	11657.490	.002%	99.970%	99.970%
154.0	5.377	.265	11657.750	.002%	99.972%	99.972%
155.0	5.311	.252	11658.000	.002%	99.974%	99.974%
156.0	5.403	.244	11658.250	.002%	99.976%	99.976%
157.0	5.377	.236	11658.480	.002%	99.978%	99.978%
158.0	5.285	.224	11658.710	.002%	99.980%	99.980%
159.0	5.259	.212	11658.920	.002%	99.982%	99.982%
160.0	5.285	.202	11659.120	.002%	99.984%	99.984%
161.0	5.129	.191	11659.310	.002%	99.985%	99.985%
162.0	5.129	.178	11659.490	.002%	99.987%	99.987%
163.0	5.090	.168	11659.660	.001%	99.988%	99.988%
164.0	5.037	.158	11659.820	.001%	99.990%	99.990%
165.0	5.050	.148	11659.960	.001%	99.991%	99.991%
166.0	4.959	.137	11660.100	.001%	99.992%	99.992%
167.0	4.972	.127	11660.230	.001%	99.993%	99.993%
168.0	4.985	.118	11660.350	.001%	99.994%	99.994%
169.0	4.933	.108	11660.460	.001%	99.995%	99.995%
170.0	4.894	.098	11660.550	.001%	99.996%	99.996%
171.0	4.881	.088	11660.640	.001%	99.997%	99.997%
172.0	4.881	.079	11660.720	.001%	99.997%	99.997%
173.0	4.868	.070	11660.790	.001%	99.998%	99.998%
174.0	4.802	.060	11660.850	.001%	99.999%	99.999%
175.0	4.933	.051	11660.900	.000%	99.999%	99.999%
176.0	4.959	.043	11660.940	.000%	99.999%	99.999%
177.0	5.011	.033	11660.980	.000%	100.000%	100.000%
178.0	5.077	.024	11661.000	.000%	100.000%	100.000%
179.0	5.142	.015	11661.020	.000%	100.000%	100.000%
180.0	5.011	.005	11661.020	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	2381.09	20.42%
0-40	4275.55	36.67%
0-60	9130.79	78.30%
0-90	11615.00	99.61%
0-120	11644.66	99.86%
0-180	11661.02	100.00%
60-90	2723.28	23.35%
90-120	34.06	0.29%
90-130	38.40	0.33%
90-150	46.04	0.39%
90-180	50.42	0.43%
0-60.85	9328.82	80.00%

ZONAL LUMEN SUMMARY

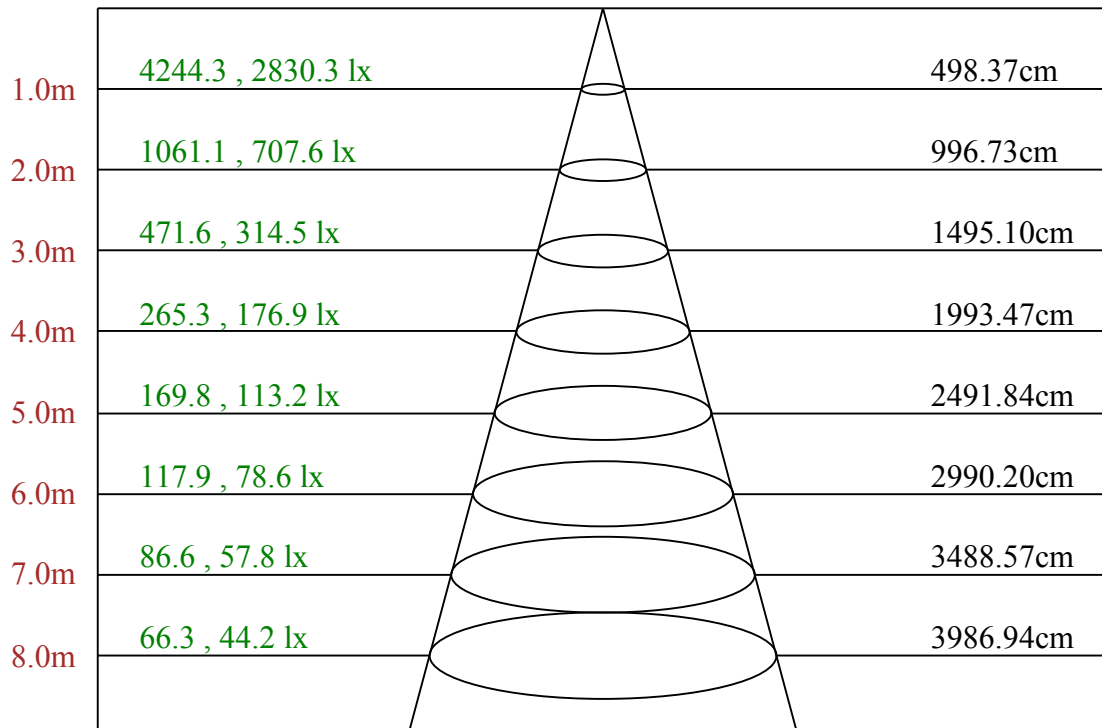
0-10	258.88
10-20	785.94
20-30	1336.27
30-40	1894.47
40-50	2353.22
50-60	2502.02
60-70	1848.80
70-80	542.61
80-90	92.80
90-100	18.61
100-110	6.61
110-120	4.44
120-130	4.34
130-140	4.19
140-150	3.44
150-160	2.49
160-170	1.43
170-180	0.46



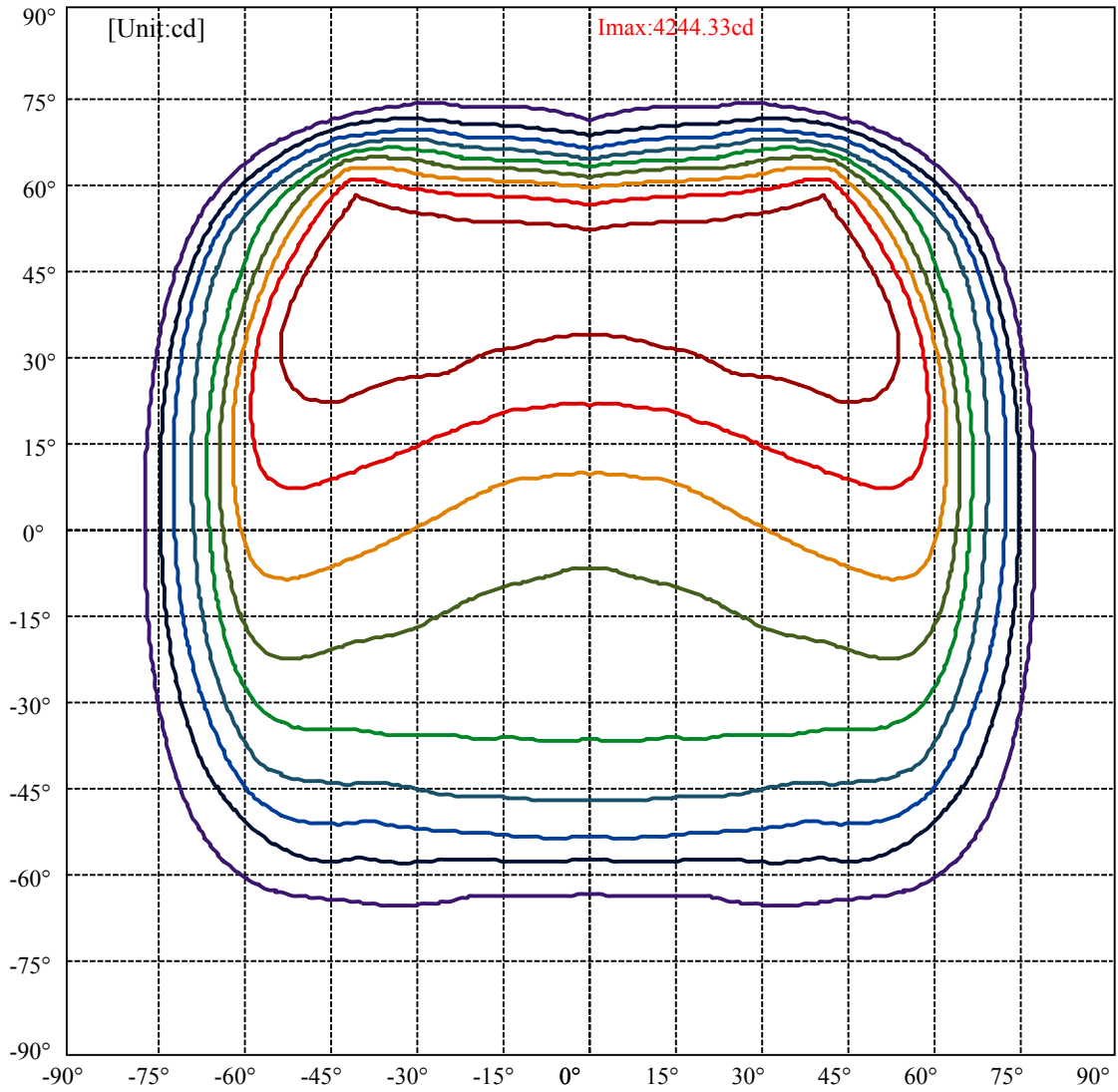
C45(Max): —
 C0/C180: —
 C90/C270: —










Field angle(10%Imax):C0/180Left:78.0 Right:78.0
 :C90/270Left:64.6 Right:73.0

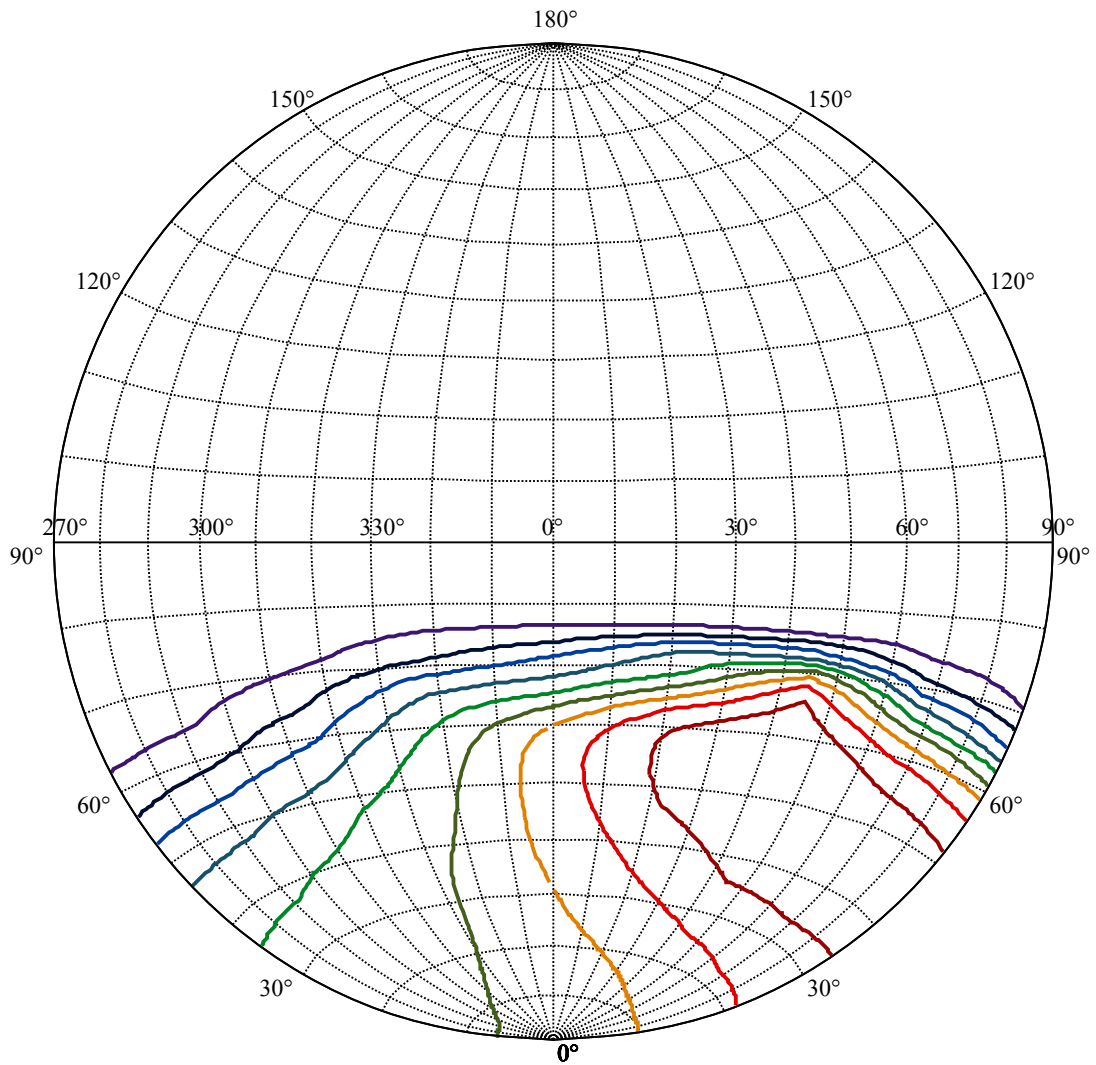
Beam Angle(50%Imax):C0/180Left:70.9 Right:70.9
 :C90/270Left:51.7 Right:65.2



Max , Ave Beam angle of C45plane131.97



(10%Imax) 423.876	
(20%Imax) 847.752	
(30%Imax) 1271.63	
(40%Imax) 1695.5	
(50%Imax) 2119.38	
(60%Imax) 2543.26	
(70%Imax) 2967.13	
(80%Imax) 3391.01	
(90%Imax) 3814.88	



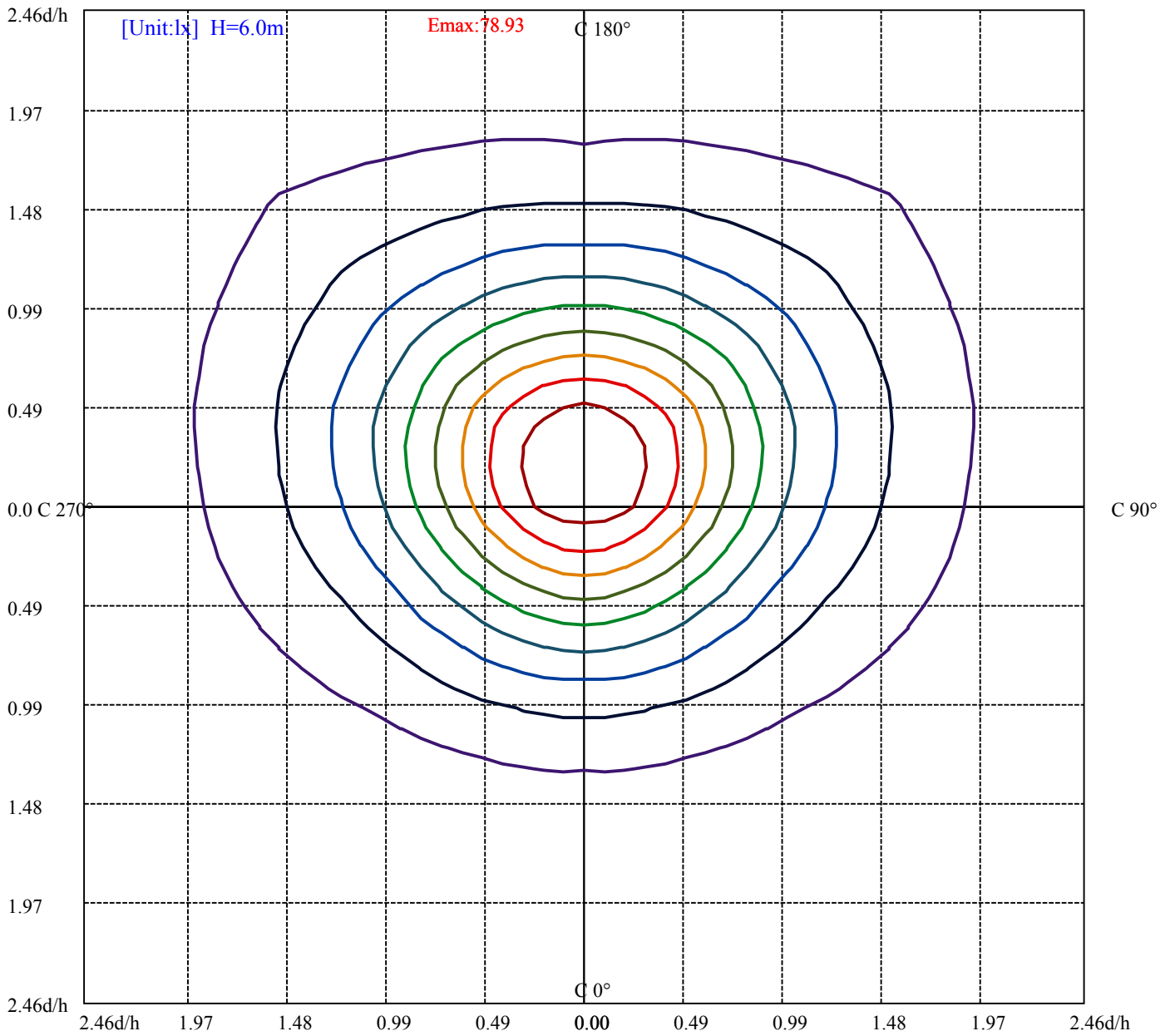
House

[Unit:cd]

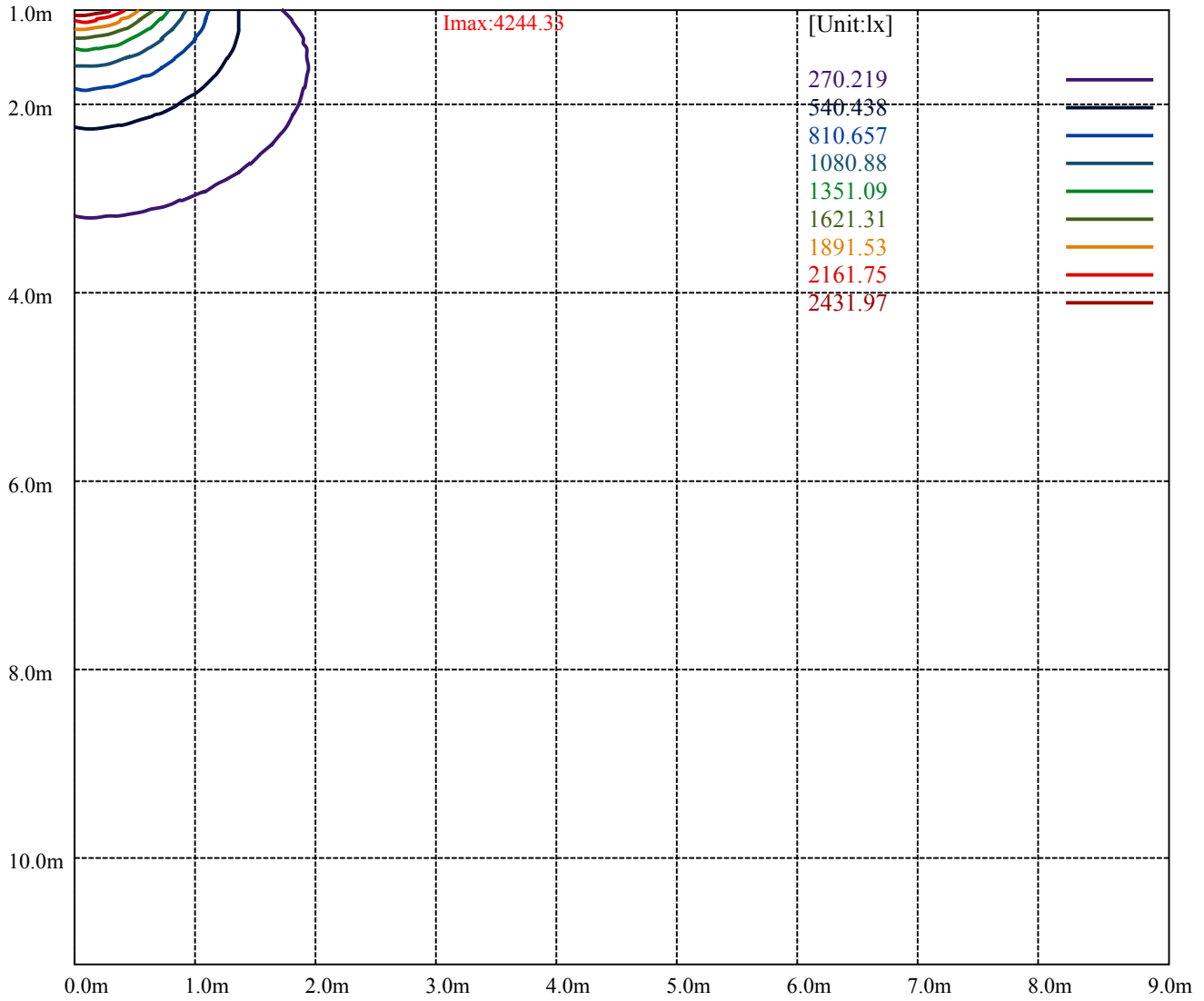
Road

Imax:4244.33

(10%Imax) 424.433	—
(20%Imax) 848.866	—
(30%Imax) 1273.3	—
(40%Imax) 1697.73	—
(50%Imax) 2122.16	—
(60%Imax) 2546.6	—
(70%Imax) 2971.03	—
(80%Imax) 3395.46	—
(90%Imax) 3819.9	—



(10%Emax) 7.892611	—
(20%Emax) 15.78525	—
(30%Emax) 23.67786	—
(40%Emax) 31.57056	—
(50%Emax) 39.46306	—
(60%Emax) 47.35583	—
(70%Emax) 55.24833	—
(80%Emax) 63.14111	—
(90%Emax) 71.03361	—



Luminance Table

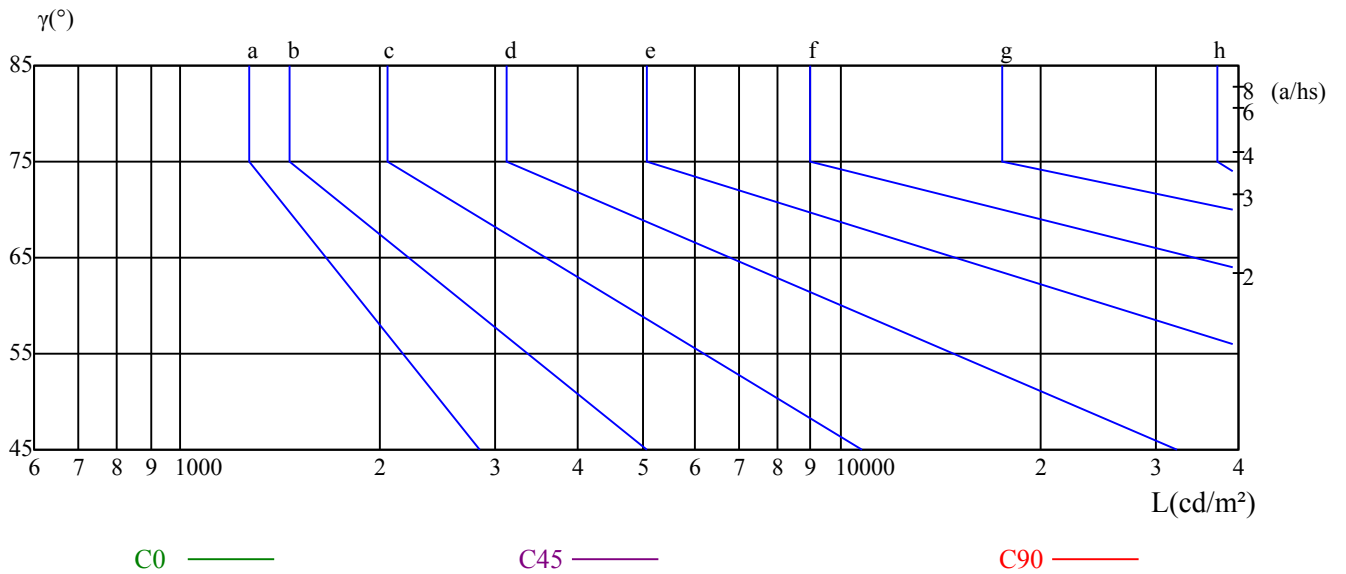
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

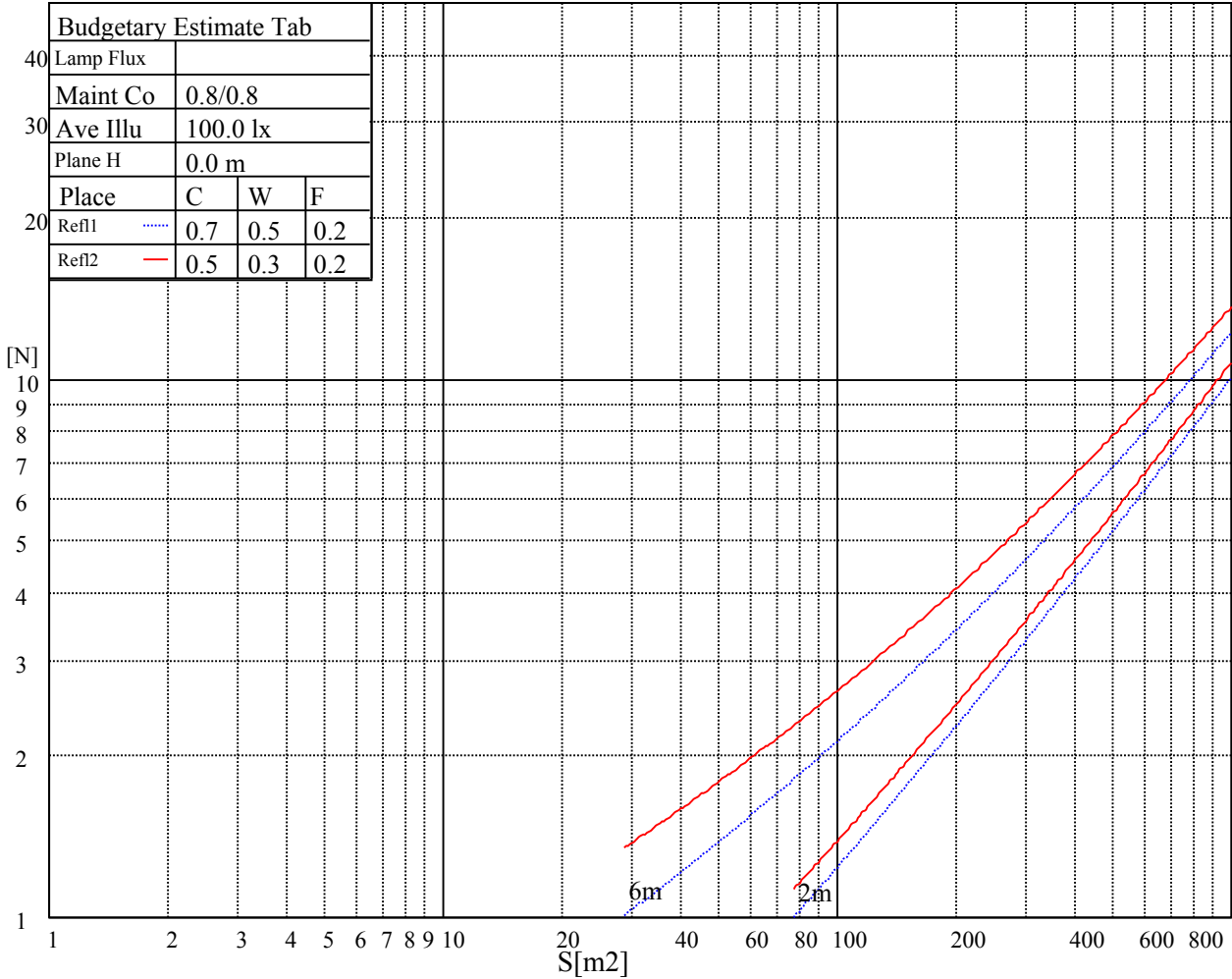
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

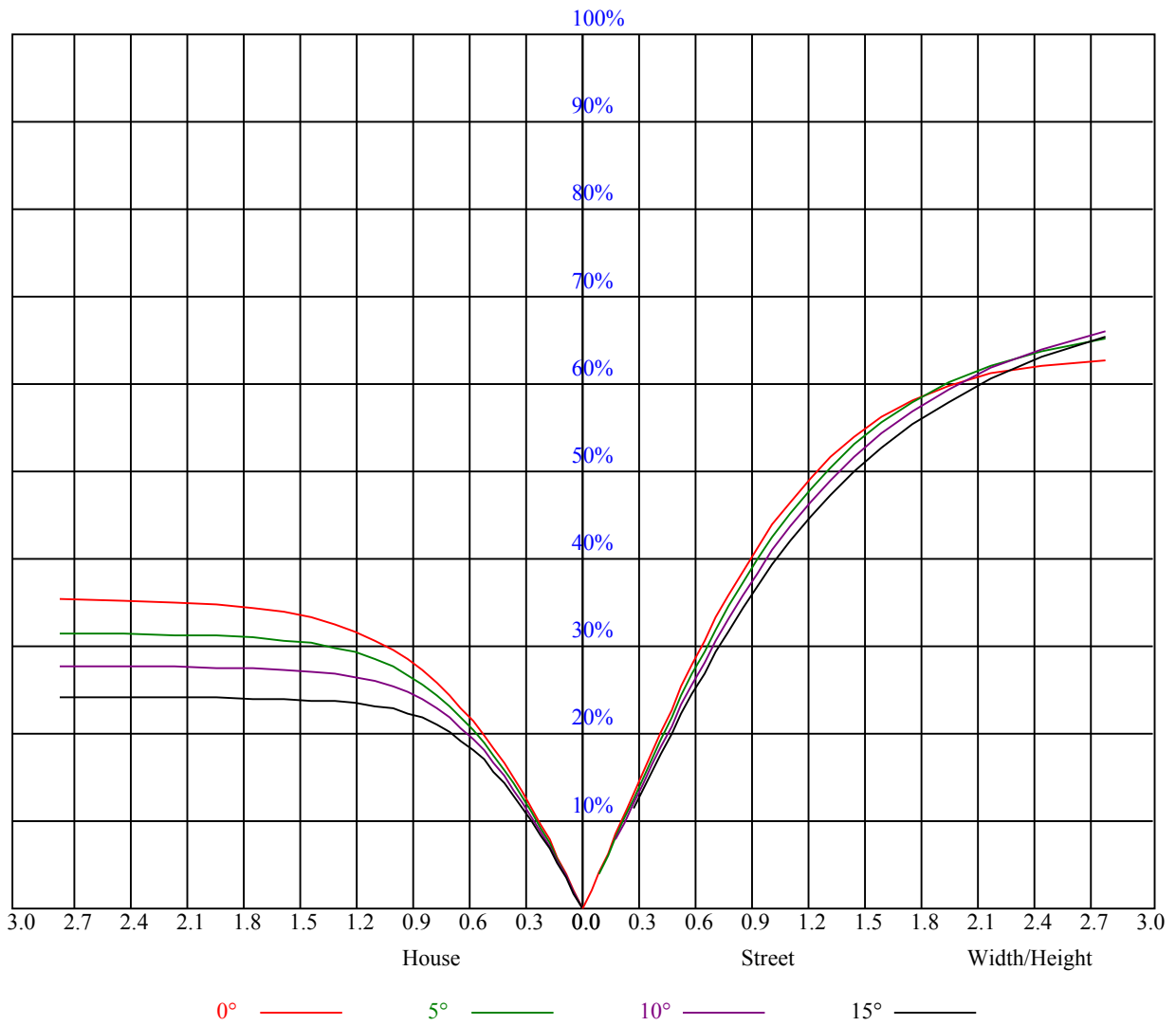
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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 RHOF=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.04	1.00	0.96	1.02	0.98	0.94	0.97	0.94	0.91	0.93	0.91	0.88	0.90	0.88	0.86	0.84
2	0.90	0.83	0.77	0.88	0.81	0.76	0.84	0.79	0.74	0.81	0.76	0.72	0.78	0.74	0.71	0.68
3	0.78	0.69	0.63	0.76	0.68	0.62	0.73	0.66	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.56
4	0.68	0.59	0.52	0.67	0.58	0.51	0.64	0.57	0.51	0.62	0.55	0.50	0.59	0.54	0.49	0.47
5	0.60	0.51	0.44	0.59	0.50	0.43	0.57	0.49	0.43	0.55	0.48	0.42	0.53	0.47	0.42	0.40
6	0.53	0.44	0.37	0.52	0.44	0.37	0.51	0.43	0.37	0.49	0.42	0.36	0.47	0.41	0.36	0.34
7	0.48	0.39	0.32	0.47	0.38	0.32	0.45	0.38	0.32	0.44	0.37	0.32	0.42	0.36	0.31	0.29
8	0.43	0.34	0.28	0.43	0.34	0.28	0.41	0.33	0.28	0.40	0.33	0.28	0.39	0.32	0.27	0.25
9	0.39	0.31	0.25	0.39	0.30	0.25	0.38	0.30	0.25	0.36	0.29	0.25	0.35	0.29	0.24	0.22
10	0.36	0.28	0.22	0.35	0.28	0.22	0.34	0.27	0.22	0.33	0.27	0.22	0.32	0.26	0.22	0.20



Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	2685.62	2734.90	2736.15	2739.28	2741.58	2742.83	2742.83	2747.63	2751.39
22.5	2685.62	2697.73	2708.17	2717.77	2732.81	2742.83	2756.19	2770.39	2785.63
45.0	2685.62	2703.99	2722.78	2744.50	2766.84	2787.30	2808.81	2834.49	2857.25
67.5	2685.62	2708.38	2739.70	2764.34	2792.32	2822.80	2852.24	2880.01	2907.37
90.0	2685.62	2713.18	2735.52	2760.79	2788.14	2822.59	2855.58	2884.61	2914.67
112.5	2685.62	2708.38	2739.70	2764.34	2792.32	2822.80	2852.24	2880.01	2907.37
135.0	2685.62	2703.99	2722.78	2744.50	2766.84	2787.30	2808.81	2834.49	2857.25
157.5	2685.62	2697.73	2708.17	2717.77	2732.81	2742.83	2756.19	2770.39	2785.63
180.0	2685.62	2734.90	2736.15	2739.28	2741.58	2742.83	2742.83	2747.63	2751.39
202.5	2685.62	2675.80	2666.41	2659.10	2651.17	2643.65	2635.92	2627.78	2623.19
225.0	2685.62	2667.03	2650.12	2635.30	2620.05	2606.69	2595.42	2580.38	2571.19
247.5	2685.62	2662.86	2640.52	2612.12	2595.00	2575.37	2558.88	2541.75	2525.68
270.0	2685.62	2657.22	2632.79	2613.16	2593.75	2573.91	2553.45	2538.83	2524.63
292.5	2685.62	2662.86	2640.52	2612.12	2595.00	2575.37	2558.88	2541.75	2525.68
315.0	2685.62	2667.03	2650.12	2635.30	2620.05	2606.69	2595.42	2580.38	2571.19
337.5	2685.62	2675.80	2666.41	2659.10	2651.17	2643.65	2635.92	2627.78	2623.19
360.0	2685.62	2734.90	2736.15	2739.28	2741.58	2742.83	2742.83	2747.63	2751.39
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2756.19	2764.96	2770.60	2776.24	2783.13	2789.39	2797.33	2808.39	2816.12
22.5	2801.71	2818.42	2833.03	2849.53	2865.19	2884.61	2901.73	2918.43	2942.65
45.0	2879.18	2902.98	2929.71	2951.63	2975.02	2997.36	3021.58	3049.56	3077.33
67.5	2935.55	2959.15	2989.84	3015.94	3044.13	3072.74	3104.48	3130.58	3166.49
90.0	2951.21	2976.27	3005.50	3031.40	3062.72	3098.84	3131.41	3165.66	3190.92
112.5	2935.55	2959.15	2989.84	3015.94	3044.13	3072.74	3104.48	3130.58	3166.49
135.0	2879.18	2902.98	2929.71	2951.63	2975.02	2997.36	3021.58	3049.56	3077.33
157.5	2801.71	2818.42	2833.03	2849.53	2865.19	2884.61	2901.73	2918.43	2942.65
180.0	2756.19	2764.96	2770.60	2776.24	2783.13	2789.39	2797.33	2808.39	2816.12
202.5	2618.17	2615.46	2612.12	2611.49	2608.57	2607.53	2605.44	2603.98	2603.14
225.0	2561.59	2555.74	2546.76	2536.53	2527.14	2515.24	2508.55	2494.98	2485.79
247.5	2513.77	2499.37	2481.62	2471.60	2457.61	2443.41	2425.24	2410.21	2392.25
270.0	2509.39	2492.89	2478.28	2464.91	2443.41	2426.29	2408.33	2389.95	2369.28
292.5	2513.77	2499.37	2481.62	2471.60	2457.61	2443.41	2425.24	2410.21	2392.25
315.0	2561.59	2555.74	2546.76	2536.53	2527.14	2515.24	2508.55	2494.98	2485.79
337.5	2618.17	2615.46	2612.12	2611.49	2608.57	2607.53	2605.44	2603.98	2603.14
360.0	2756.19	2764.96	2770.60	2776.24	2783.13	2789.39	2797.33	2808.39	2816.12
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2823.43	2831.78	2842.43	2852.24	2862.06	2874.17	2887.11	2896.72	2909.87
22.5	2961.45	2984.00	3006.55	3026.38	3052.07	3082.34	3109.07	3135.17	3165.03
45.0	3101.97	3132.87	3169.41	3204.49	3237.90	3274.02	3311.82	3355.04	3405.15
67.5	3199.27	3237.27	3271.52	3315.78	3360.68	3408.91	3446.91	3486.58	3530.02
90.0	3239.57	3276.74	3319.12	3371.33	3412.88	3452.55	3495.98	3545.88	3586.60
112.5	3199.27	3237.27	3271.52	3315.78	3360.68	3408.91	3446.91	3486.58	3530.02
135.0	3101.97	3132.87	3169.41	3204.49	3237.90	3274.02	3311.82	3355.04	3405.15
157.5	2961.45	2984.00	3006.55	3026.38	3052.07	3082.34	3109.07	3135.17	3165.03
180.0	2823.43	2831.78	2842.43	2852.24	2862.06	2874.17	2887.11	2896.72	2909.87
202.5	2599.38	2596.46	2596.25	2595.62	2596.25	2595.83	2596.25	2596.25	2596.88
225.0	2477.02	2466.38	2456.14	2442.36	2430.25	2417.31	2406.66	2395.17	2383.48
247.5	2375.55	2356.96	2341.51	2326.48	2310.40	2296.83	2285.34	2275.74	2264.25
270.0	2351.53	2334.62	2318.54	2298.92	2285.76	2273.65	2266.34	2256.11	2247.97
292.5	2375.55	2356.96	2341.51	2326.48	2310.40	2296.83	2285.34	2275.74	2264.25
315.0	2477.02	2466.38	2456.14	2442.36	2430.25	2417.31	2406.66	2395.17	2383.48
337.5	2599.38	2596.46	2596.25	2595.62	2596.25	2595.83	2596.25	2596.25	2596.88
360.0	2823.43	2831.78	2842.43	2852.24	2862.06	2874.17	2887.11	2896.72	2909.87

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2921.15	2933.47	2944.32	2957.90	2974.60	2983.58	2998.61	3010.51	3025.76
22.5	3199.69	3226.42	3262.54	3288.64	3318.29	3352.95	3384.69	3413.09	3445.03
45.0	3441.69	3490.13	3533.77	3581.80	3622.31	3664.07	3709.79	3749.05	3790.18
67.5	3578.04	3619.59	3657.18	3692.26	3732.14	3762.20	3800.83	3827.98	3853.24
90.0	3627.74	3662.60	3693.30	3722.95	3748.63	3782.04	3803.96	3820.46	3841.55
112.5	3578.04	3619.59	3657.18	3692.26	3732.14	3762.20	3800.83	3827.98	3853.24
135.0	3441.69	3490.13	3533.77	3581.80	3622.31	3664.07	3709.79	3749.05	3790.18
157.5	3199.69	3226.42	3262.54	3288.64	3318.29	3352.95	3384.69	3413.09	3445.03
180.0	2921.15	2933.47	2944.32	2957.90	2974.60	2983.58	2998.61	3010.51	3025.76
202.5	2598.76	2598.55	2600.22	2600.43	2601.05	2600.64	2599.80	2596.67	2593.12
225.0	2373.67	2366.57	2353.00	2341.72	2330.65	2320.63	2308.31	2298.50	2286.39
247.5	2254.02	2245.04	2234.40	2222.08	2211.22	2201.82	2190.34	2177.81	2161.73
270.0	2239.41	2229.59	2217.27	2207.46	2193.47	2181.78	2166.33	2150.04	2139.60
292.5	2254.02	2245.04	2234.40	2222.08	2211.22	2201.82	2190.34	2177.81	2161.73
315.0	2373.67	2366.57	2353.00	2341.72	2330.65	2320.63	2308.31	2298.50	2286.39
337.5	2598.76	2598.55	2600.22	2600.43	2601.05	2600.64	2599.80	2596.67	2593.12
360.0	2921.15	2933.47	2944.32	2957.90	2974.60	2983.58	2998.61	3010.51	3025.76
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	3042.04	3059.17	3070.44	3082.97	3095.92	3109.49	3121.60	3133.08	3143.10
22.5	3477.81	3509.55	3542.33	3567.39	3596.83	3635.46	3667.62	3700.40	3732.14
45.0	3826.93	3860.97	3896.88	3934.47	3961.61	3991.05	4019.24	4056.41	4080.00
67.5	3877.46	3896.05	3923.82	3945.95	3965.58	3981.86	4002.74	4014.44	4025.29
90.0	3860.76	3879.76	3898.13	3916.51	3935.30	3956.18	3970.80	3982.28	3997.32
112.5	3877.46	3896.05	3923.82	3945.95	3965.58	3981.86	4002.74	4014.44	4025.29
135.0	3826.93	3860.97	3896.88	3934.47	3961.61	3991.05	4019.24	4056.41	4080.00
157.5	3477.81	3509.55	3542.33	3567.39	3596.83	3635.46	3667.62	3700.40	3732.14
180.0	3042.04	3059.17	3070.44	3082.97	3095.92	3109.49	3121.60	3133.08	3143.10
202.5	2588.53	2582.47	2573.49	2564.72	2557.00	2546.14	2537.16	2523.38	2508.34
225.0	2275.11	2263.21	2246.92	2231.06	2217.90	2202.24	2184.70	2161.73	2139.60
247.5	2146.70	2131.25	2113.71	2090.53	2067.56	2020.79	1959.19	1919.73	1861.89
270.0	2117.05	2098.47	2073.41	2012.86	1974.02	1920.98	1877.34	1839.34	1801.76
292.5	2146.70	2131.25	2113.71	2090.53	2067.56	2020.79	1959.19	1919.73	1861.89
315.0	2275.11	2263.21	2246.92	2231.06	2217.90	2202.24	2184.70	2161.73	2139.60
337.5	2588.53	2582.47	2573.49	2564.72	2557.00	2546.14	2537.16	2523.38	2508.34
360.0	3042.04	3059.17	3070.44	3082.97	3095.92	3109.49	3121.60	3133.08	3143.10
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	3153.54	3165.66	3177.56	3186.12	3195.72	3200.94	3206.16	3208.04	3208.67
22.5	3764.29	3793.52	3824.01	3848.02	3873.29	3897.09	3909.41	3933.42	3941.57
45.0	4099.63	4117.59	4138.67	4161.02	4170.20	4181.27	4197.35	4208.83	4218.23
67.5	4040.33	4049.31	4058.49	4064.13	4063.51	4053.90	4026.97	3992.93	3949.29
90.0	4004.62	4016.73	4011.31	3997.11	3969.34	3926.74	3858.04	3792.69	3710.00
112.5	4040.33	4049.31	4058.49	4064.13	4063.51	4053.90	4026.97	3992.93	3949.29
135.0	4099.63	4117.59	4138.67	4161.02	4170.20	4181.27	4197.35	4208.83	4218.23
157.5	3764.29	3793.52	3824.01	3848.02	3873.29	3897.09	3909.41	3933.42	3941.57
180.0	3153.54	3165.66	3177.56	3186.12	3195.72	3200.94	3206.16	3208.04	3208.67
202.5	2496.65	2483.71	2467.84	2454.89	2439.86	2423.36	2405.41	2385.36	2363.02
225.0	2115.17	2088.65	2052.74	2013.07	1943.12	1894.05	1820.34	1763.55	1713.22
247.5	1817.42	1782.76	1734.94	1692.34	1639.10	1584.60	1514.86	1430.92	1356.38
270.0	1765.84	1729.72	1635.55	1619.06	1552.03	1468.93	1383.73	1322.14	1243.42
292.5	1817.42	1782.76	1734.94	1692.34	1639.10	1584.60	1514.86	1430.92	1356.38
315.0	2115.17	2088.65	2052.74	2013.07	1943.12	1894.05	1820.34	1763.55	1713.22
337.5	2496.65	2483.71	2467.84	2454.89	2439.86	2423.36	2405.41	2385.36	2363.02
360.0	3153.54	3165.66	3177.56	3186.12	3195.72	3200.94	3206.16	3208.04	3208.67

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	3198.65	3190.29	3174.22	3149.16	3105.52	3044.34	2965.62	2849.11	2701.49
22.5	3945.74	3948.87	3942.82	3935.30	3910.04	3868.90	3810.44	3726.29	3600.80
45.0	4225.54	4238.06	4242.24	4244.33	4233.89	4204.66	4172.29	4134.71	4086.68
67.5	3885.61	3817.33	3743.41	3662.19	3570.52	3466.33	3304.51	3149.79	2980.66
90.0	3629.41	3526.67	3379.05	3250.01	3106.15	2931.80	2700.86	2479.11	2248.80
112.5	3885.61	3817.33	3743.41	3662.19	3570.52	3466.33	3304.51	3149.79	2980.66
135.0	4225.54	4238.06	4242.24	4244.33	4233.89	4204.66	4172.29	4134.71	4086.68
157.5	3945.74	3948.87	3942.82	3935.30	3910.04	3868.90	3810.44	3726.29	3600.80
180.0	3198.65	3190.29	3174.22	3149.16	3105.52	3044.34	2965.62	2849.11	2701.49
202.5	2339.63	2315.41	2278.04	2245.25	2207.46	2152.55	2092.83	2035.82	1979.24
225.0	1659.98	1587.53	1523.84	1460.16	1385.41	1300.63	1217.74	1151.13	1082.02
247.5	1284.55	1200.61	1101.22	1006.01	900.98	800.13	691.76	629.54	570.24
270.0	1148.41	1013.32	899.10	792.82	691.14	598.64	547.69	511.15	467.09
292.5	1284.55	1200.61	1101.22	1006.01	900.98	800.13	691.76	629.54	570.24
315.0	1659.98	1587.53	1523.84	1460.16	1385.41	1300.63	1217.74	1151.13	1082.02
337.5	2339.63	2315.41	2278.04	2245.25	2207.46	2152.55	2092.83	2035.82	1979.24
360.0	3198.65	3190.29	3174.22	3149.16	3105.52	3044.34	2965.62	2849.11	2701.49
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2544.47	2372.62	2163.19	1995.11	1840.80	1692.97	1562.68	1450.76	1324.64
22.5	3466.75	3246.25	3000.70	2759.74	2523.17	2291.61	2109.11	1999.70	1913.47
45.0	4023.00	3970.80	3893.33	3798.33	3646.94	3417.26	3123.69	2798.79	2364.06
67.5	2771.85	2508.97	2231.47	1991.35	1773.15	1538.46	1246.34	1070.95	879.06
90.0	1998.03	1625.74	1376.22	1164.70	1004.97	817.25	628.91	464.59	372.92
112.5	2771.85	2508.97	2231.47	1991.35	1773.15	1538.46	1246.34	1070.95	879.06
135.0	4023.00	3970.80	3893.33	3798.33	3646.94	3417.26	3123.69	2798.79	2364.06
157.5	3466.75	3246.25	3000.70	2759.74	2523.17	2291.61	2109.11	1999.70	1913.47
180.0	2544.47	2372.62	2163.19	1995.11	1840.80	1692.97	1562.68	1450.76	1324.64
202.5	1898.02	1820.76	1725.96	1624.07	1493.77	1355.55	1181.20	1025.43	856.72
225.0	993.48	902.03	832.08	762.13	692.39	611.58	540.38	468.14	400.48
247.5	522.42	460.41	405.49	360.60	315.92	266.64	224.46	200.24	167.88
270.0	385.24	298.38	251.19	217.36	188.55	158.48	131.13	114.42	99.39
292.5	522.42	460.41	405.49	360.60	315.92	266.64	224.46	200.24	167.88
315.0	993.48	902.03	832.08	762.13	692.39	611.58	540.38	468.14	400.48
337.5	1898.02	1820.76	1725.96	1624.07	1493.77	1355.55	1181.20	1025.43	856.72
360.0	2544.47	2372.62	2163.19	1995.11	1840.80	1692.97	1562.68	1450.76	1324.64
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1159.69	962.58	791.15	642.28	485.47	356.01	268.52	209.43	152.63
22.5	1797.37	1587.53	1285.81	905.37	584.44	351.41	210.06	158.27	131.34
45.0	1828.07	1410.25	1193.52	810.15	437.02	306.73	249.10	220.08	213.81
67.5	703.66	548.52	418.86	335.75	268.52	202.96	166.42	150.13	137.18
90.0	316.13	269.36	229.89	191.89	171.43	152.01	140.52	133.01	128.20
112.5	703.66	548.52	418.86	335.75	268.52	202.96	166.42	150.13	137.18
135.0	1828.07	1410.25	1193.52	810.15	437.02	306.73	249.10	220.08	213.81
157.5	1797.37	1587.53	1285.81	905.37	584.44	351.41	210.06	158.27	131.34
180.0	1159.69	962.58	791.15	642.28	485.47	356.01	268.52	209.43	152.63
202.5	736.24	645.20	559.59	483.17	396.10	303.60	229.68	178.11	164.33
225.0	329.28	290.03	259.33	229.89	194.81	168.50	146.16	130.29	116.72
247.5	148.04	129.04	113.59	103.57	94.80	87.07	79.14	72.04	64.52
270.0	82.06	54.92	39.88	26.52	15.66	7.31	2.92	0.84	128.20
292.5	148.04	129.04	113.59	103.57	94.80	87.07	79.14	72.04	64.52
315.0	329.28	290.03	259.33	229.89	194.81	168.50	146.16	130.29	116.72
337.5	736.24	645.20	559.59	483.17	396.10	303.60	229.68	178.11	164.33
360.0	1159.69	962.58	791.15	642.28	485.47	356.01	268.52	209.43	152.63

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	121.52	98.55	82.48	70.58	59.72	49.90	38.63	29.86	23.18
22.5	112.75	98.97	91.66	87.28	82.48	77.47	69.32	61.39	55.33
45.0	217.99	219.03	210.68	194.81	176.02	154.10	131.34	112.54	89.16
67.5	126.33	119.23	115.26	109.20	97.51	85.61	71.20	57.42	46.35
90.0	122.15	114.01	102.73	85.82	74.12	65.77	56.79	49.28	41.76
112.5	126.33	119.23	115.26	109.20	97.51	85.61	71.20	57.42	46.35
135.0	217.99	219.03	210.68	194.81	176.02	154.10	131.34	112.54	89.16
157.5	112.75	98.97	91.66	87.28	82.48	77.47	69.32	61.39	55.33
180.0	121.52	98.55	82.48	70.58	59.72	49.90	38.63	29.86	23.18
202.5	154.93	142.19	122.15	103.98	85.19	72.04	63.48	55.12	45.73
225.0	105.24	95.21	84.15	75.17	65.77	57.63	48.02	40.93	34.66
247.5	58.05	50.95	44.27	37.79	31.95	27.56	22.13	18.37	14.20
270.0	122.15	114.01	102.73	85.82	74.12	65.77	56.79	49.28	41.76
292.5	58.05	50.95	44.27	37.79	31.95	27.56	22.13	18.37	14.20
315.0	105.24	95.21	84.15	75.17	65.77	57.63	48.02	40.93	34.66
337.5	154.93	142.19	122.15	103.98	85.19	72.04	63.48	55.12	45.73
360.0	121.52	98.55	82.48	70.58	59.72	49.90	38.63	29.86	23.18
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	17.96	15.66	14.20	12.95	11.69	11.07	10.44	10.02	9.60
22.5	48.44	42.60	36.12	30.69	27.14	24.22	22.13	20.67	19.84
45.0	70.16	55.75	40.93	32.57	26.73	22.97	20.46	17.96	15.24
67.5	39.46	32.36	23.59	21.09	19.63	18.79	17.12	15.66	13.57
90.0	38.42	29.23	17.75	12.11	10.02	7.93	4.38	3.55	3.13
112.5	39.46	32.36	23.59	21.09	19.63	18.79	17.12	15.66	13.57
135.0	70.16	55.75	40.93	32.57	26.73	22.97	20.46	17.96	15.24
157.5	48.44	42.60	36.12	30.69	27.14	24.22	22.13	20.67	19.84
180.0	17.96	15.66	14.20	12.95	11.69	11.07	10.44	10.02	9.60
202.5	35.50	29.23	26.10	20.25	16.91	14.82	13.15	12.32	11.48
225.0	29.86	25.68	20.88	18.17	16.50	14.62	12.95	10.86	9.81
247.5	12.74	10.65	7.73	5.43	4.18	3.13	2.51	1.88	1.88
270.0	38.42	29.23	17.75	12.11	10.02	0.21	0.21	0.21	0.42
292.5	12.74	10.65	7.73	5.43	4.18	3.13	2.51	1.88	1.88
315.0	29.86	25.68	20.88	18.17	16.50	14.62	12.95	10.86	9.81
337.5	35.50	29.23	26.10	20.25	16.91	14.82	13.15	12.32	11.48
360.0	17.96	15.66	14.20	12.95	11.69	11.07	10.44	10.02	9.60
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	9.40	9.19	9.19	9.19	9.40	9.60	9.60	9.40	9.19
22.5	18.79	17.33	15.87	13.99	12.74	11.69	10.65	9.60	8.56
45.0	13.36	11.90	10.65	9.60	8.35	7.73	6.89	6.26	5.64
67.5	12.11	10.44	9.40	7.73	6.47	5.22	4.18	3.55	2.92
90.0	2.71	2.51	2.30	2.09	2.09	1.88	2.09	2.09	2.30
112.5	12.11	10.44	9.40	7.73	6.47	5.22	4.18	3.55	2.92
135.0	13.36	11.90	10.65	9.60	8.35	7.73	6.89	6.26	5.64
157.5	18.79	17.33	15.87	13.99	12.74	11.69	10.65	9.60	8.56
180.0	9.40	9.19	9.19	9.19	9.40	9.60	9.60	9.40	9.19
202.5	10.86	10.23	9.60	9.19	8.56	8.14	7.93	7.52	6.89
225.0	8.98	7.93	7.10	6.26	5.64	5.43	5.01	5.01	4.80
247.5	1.67	1.67	1.88	1.88	1.88	1.88	2.30	2.51	2.51
270.0	0.63	0.63	0.84	0.84	1.04	1.25	1.46	1.67	1.88
292.5	1.67	1.67	1.88	1.88	1.88	1.88	2.30	2.51	2.51
315.0	8.98	7.93	7.10	6.26	5.64	5.43	5.01	5.01	4.80
337.5	10.86	10.23	9.60	9.19	8.56	8.14	7.93	7.52	6.89
360.0	9.40	9.19	9.19	9.19	9.40	9.60	9.60	9.40	9.19

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	8.98	8.56	8.35	8.14	7.73	7.31	6.89	6.26	5.85
22.5	7.10	6.06	5.22	4.80	4.59	4.38	4.38	4.18	4.18
45.0	4.80	4.59	4.18	3.76	3.76	3.34	3.34	3.13	3.13
67.5	2.51	2.30	2.30	2.30	2.09	2.30	2.30	2.30	2.51
90.0	2.30	2.71	3.34	3.76	4.18	4.18	3.55	3.13	2.51
112.5	2.51	2.30	2.30	2.30	2.09	2.30	2.30	2.30	2.51
135.0	4.80	4.59	4.18	3.76	3.76	3.34	3.34	3.13	3.13
157.5	7.10	6.06	5.22	4.80	4.59	4.38	4.38	4.18	4.18
180.0	8.98	8.56	8.35	8.14	7.73	7.31	6.89	6.26	5.85
202.5	6.47	6.26	6.06	5.85	5.85	5.85	5.64	5.85	5.85
225.0	4.80	4.80	5.01	5.01	5.22	5.43	5.43	5.64	5.64
247.5	2.71	3.13	3.34	3.34	3.76	3.97	4.18	4.59	4.80
270.0	1.88	2.30	2.51	2.71	2.92	3.34	3.76	3.76	3.97
292.5	2.71	3.13	3.34	3.34	3.76	3.97	4.18	4.59	4.80
315.0	4.80	4.80	5.01	5.01	5.22	5.43	5.43	5.64	5.64
337.5	6.47	6.26	6.06	5.85	5.85	5.85	5.64	5.85	5.85
360.0	8.98	8.56	8.35	8.14	7.73	7.31	6.89	6.26	5.85
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	5.64	5.22	5.01	5.01	4.80	5.01	5.01	5.01	5.01
22.5	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
45.0	3.13	2.92	3.13	3.13	3.13	3.13	3.34	3.13	3.34
67.5	2.30	2.09	2.09	2.09	2.09	2.09	2.30	2.51	2.51
90.0	2.09	2.09	2.09	2.30	2.30	2.30	2.09	2.09	2.09
112.5	2.30	2.09	2.09	2.09	2.09	2.09	2.30	2.51	2.51
135.0	3.13	2.92	3.13	3.13	3.13	3.13	3.34	3.13	3.34
157.5	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
180.0	5.64	5.22	5.01	5.01	4.80	5.01	5.01	5.01	5.01
202.5	6.06	5.85	6.06	6.06	6.06	6.26	6.26	6.26	6.26
225.0	5.85	6.06	6.06	6.26	6.26	6.47	6.68	6.68	6.68
247.5	5.01	5.22	5.43	5.64	5.85	5.85	6.06	6.26	6.26
270.0	4.18	4.18	4.80	5.22	5.22	5.43	5.64	5.64	5.85
292.5	5.01	5.22	5.43	5.64	5.85	5.85	6.06	6.26	6.26
315.0	5.85	6.06	6.06	6.26	6.26	6.47	6.68	6.68	6.68
337.5	6.06	5.85	6.06	6.06	6.06	6.26	6.26	6.26	6.26
360.0	5.64	5.22	5.01	5.01	4.80	5.01	5.01	5.01	5.01
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	5.22	5.22	5.43	5.43	5.43	5.43	5.43	5.43	5.43
22.5	4.18	4.38	4.38	4.59	4.59	4.80	4.80	4.80	4.80
45.0	3.34	3.34	3.55	3.55	3.55	3.76	3.97	3.76	3.97
67.5	2.51	2.71	2.71	2.92	3.13	3.13	3.13	3.34	3.34
90.0	2.30	2.30	2.51	2.51	2.71	2.51	2.71	2.92	3.13
112.5	2.51	2.71	2.71	2.92	3.13	3.13	3.13	3.34	3.34
135.0	3.34	3.34	3.55	3.55	3.55	3.76	3.97	3.76	3.97
157.5	4.18	4.38	4.38	4.59	4.59	4.80	4.80	4.80	4.80
180.0	5.22	5.22	5.43	5.43	5.43	5.43	5.43	5.43	5.43
202.5	6.47	6.26	6.47	6.47	6.47	6.47	6.68	6.47	6.47
225.0	6.89	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.31
247.5	6.47	6.68	6.68	6.89	6.89	7.10	6.89	7.10	7.10
270.0	6.06	6.47	6.47	6.68	6.68	6.89	6.89	6.89	7.10
292.5	6.47	6.68	6.68	6.89	6.89	7.10	6.89	7.10	7.10
315.0	6.89	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.31
337.5	6.47	6.26	6.47	6.47	6.47	6.47	6.68	6.47	6.47
360.0	5.22	5.22	5.43	5.43	5.43	5.43	5.43	5.43	5.43

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	5.43	5.64	5.43	5.43	5.43	5.43	5.43	5.43	5.43
22.5	4.80	4.80	5.01	4.80	5.01	5.01	5.01	4.80	5.01
45.0	3.97	4.18	3.97	4.18	4.18	4.18	4.18	4.38	4.38
67.5	3.34	3.55	3.55	3.55	3.76	3.76	3.76	3.76	3.97
90.0	3.34	3.34	3.34	3.55	3.55	3.76	3.76	3.55	3.76
112.5	3.34	3.55	3.55	3.55	3.76	3.76	3.76	3.76	3.97
135.0	3.97	4.18	3.97	4.18	4.18	4.18	4.18	4.38	4.38
157.5	4.80	4.80	5.01	4.80	5.01	5.01	5.01	4.80	5.01
180.0	5.43	5.64	5.43	5.43	5.43	5.43	5.43	5.43	5.43
202.5	6.47	6.47	6.47	6.26	6.47	6.26	6.26	6.06	6.06
225.0	7.10	7.10	7.10	6.89	6.89	6.89	6.89	6.89	6.89
247.5	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	6.89
270.0	6.89	7.10	7.31	7.10	6.89	6.89	7.10	7.10	7.10
292.5	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	6.89
315.0	7.10	7.10	7.10	6.89	6.89	6.89	6.89	6.89	6.89
337.5	6.47	6.47	6.47	6.26	6.47	6.26	6.26	6.06	6.06
360.0	5.43	5.64	5.43	5.43	5.43	5.43	5.43	5.43	5.43
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	5.43	5.22	5.22	5.22	5.43	5.43	5.43	5.43	5.43
22.5	4.80	5.01	5.01	4.80	5.01	4.80	5.01	4.80	5.01
45.0	4.38	4.38	4.38	4.38	4.38	4.59	4.59	4.59	4.59
67.5	4.18	3.97	4.18	4.18	4.18	4.18	4.18	4.38	4.38
90.0	3.76	3.76	3.97	3.97	3.97	4.18	4.18	3.97	4.38
112.5	4.18	3.97	4.18	4.18	4.18	4.18	4.18	4.38	4.38
135.0	4.38	4.38	4.38	4.38	4.38	4.59	4.59	4.59	4.59
157.5	4.80	5.01	5.01	4.80	5.01	4.80	5.01	4.80	5.01
180.0	5.43	5.22	5.22	5.22	5.43	5.43	5.43	5.43	5.43
202.5	6.06	6.06	6.06	5.85	5.85	5.85	5.85	5.85	5.85
225.0	6.68	6.68	6.68	6.68	6.68	6.68	6.47	6.47	6.47
247.5	6.89	6.89	6.89	6.89	6.89	6.68	6.89	6.68	6.68
270.0	6.89	6.89	6.89	7.10	6.89	6.89	6.89	6.68	6.68
292.5	6.89	6.89	6.89	6.89	6.89	6.68	6.89	6.68	6.68
315.0	6.68	6.68	6.68	6.68	6.68	6.68	6.47	6.47	6.47
337.5	6.06	6.06	6.06	5.85	5.85	5.85	5.85	5.85	5.85
360.0	5.43	5.22	5.22	5.22	5.43	5.43	5.43	5.43	5.43
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	5.43	5.22	5.22	5.43	5.22	5.22	5.22	5.22	5.01
22.5	5.01	5.01	4.80	5.01	5.01	5.01	5.01	5.01	4.80
45.0	4.59	4.59	4.59	4.80	4.80	4.80	4.80	4.80	4.59
67.5	4.18	4.38	4.38	4.38	4.59	4.59	4.38	4.59	4.59
90.0	4.38	4.18	4.18	4.38	4.38	4.38	4.38	4.38	4.38
112.5	4.18	4.38	4.38	4.38	4.59	4.59	4.38	4.59	4.59
135.0	4.59	4.59	4.59	4.80	4.80	4.80	4.80	4.80	4.59
157.5	5.01	5.01	4.80	5.01	5.01	5.01	5.01	5.01	4.80
180.0	5.43	5.22	5.22	5.43	5.22	5.22	5.22	5.22	5.01
202.5	5.85	5.64	5.64	5.64	5.64	5.43	5.43	5.43	5.43
225.0	6.26	6.06	6.06	6.06	6.06	5.85	5.85	5.85	5.64
247.5	6.68	6.68	6.47	6.47	6.26	6.06	6.06	6.06	5.85
270.0	6.68	6.68	6.47	6.47	6.47	6.26	6.26	6.26	5.85
292.5	6.68	6.68	6.47	6.47	6.26	6.06	6.06	6.06	5.85
315.0	6.26	6.06	6.06	6.06	6.06	5.85	5.85	5.85	5.64
337.5	5.85	5.64	5.64	5.64	5.64	5.43	5.43	5.43	5.43
360.0	5.43	5.22	5.22	5.43	5.22	5.22	5.22	5.22	5.01

Intensity data(cd)

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	5.01	5.01	4.80	5.01	4.80	4.80	4.80	4.80	4.59
22.5	5.01	4.80	4.80	4.80	4.80	4.59	4.80	4.80	4.80
45.0	4.59	4.80	4.59	4.59	4.59	4.59	4.80	4.80	4.59
67.5	4.38	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
90.0	4.38	4.38	4.59	4.38	4.59	4.38	4.59	4.59	4.59
112.5	4.38	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
135.0	4.59	4.80	4.59	4.59	4.59	4.59	4.80	4.80	4.59
157.5	5.01	4.80	4.80	4.80	4.80	4.59	4.80	4.80	4.80
180.0	5.01	5.01	4.80	5.01	4.80	4.80	4.80	4.80	4.59
202.5	5.43	5.22	5.22	5.22	5.22	5.01	5.22	5.01	5.01
225.0	5.64	5.43	5.43	5.43	5.43	5.43	5.43	5.22	5.22
247.5	5.85	5.85	5.64	5.64	5.43	5.64	5.43	5.22	5.43
270.0	5.85	5.64	5.85	5.85	5.43	5.43	5.43	5.43	5.22
292.5	5.85	5.85	5.64	5.64	5.43	5.64	5.43	5.22	5.43
315.0	5.64	5.43	5.43	5.43	5.43	5.43	5.43	5.22	5.22
337.5	5.43	5.22	5.22	5.22	5.01	5.22	5.01	5.01	5.01
360.0	5.01	5.01	4.80	5.01	4.80	4.80	4.80	4.80	4.59
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	4.59	4.59	4.59	4.59	4.80	4.80	5.01	5.01	5.22
22.5	4.59	4.59	4.80	4.59	4.80	4.80	5.01	5.01	5.01
45.0	4.59	4.80	4.59	4.59	4.80	4.80	4.80	5.22	5.22
67.5	4.59	4.59	4.59	4.59	4.59	4.80	5.01	5.01	5.22
90.0	4.59	4.59	4.59	4.38	4.59	4.80	4.80	4.80	5.01
112.5	4.59	4.59	4.59	4.59	4.59	4.80	5.01	5.01	5.22
135.0	4.59	4.80	4.59	4.59	4.80	4.80	4.80	5.22	5.22
157.5	4.59	4.59	4.80	4.59	4.80	4.80	5.01	5.01	5.01
180.0	4.59	4.59	4.59	4.59	4.80	4.80	5.01	5.01	5.22
202.5	5.01	5.01	5.01	4.80	5.01	5.01	5.01	5.01	5.01
225.0	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22
247.5	5.43	5.22	5.22	5.22	5.22	5.22	5.01	5.22	5.22
270.0	5.43	5.43	5.22	5.22	5.43	5.22	5.22	5.01	5.01
292.5	5.43	5.22	5.22	5.22	5.22	5.22	5.01	5.22	5.22
315.0	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22
337.5	5.01	5.01	5.01	4.80	5.01	5.01	5.01	5.01	5.01
360.0	4.59	4.59	4.59	4.59	4.80	4.80	5.01	5.01	5.22
C/γ(°)	180.0								
0.0	5.01								
22.5	5.01								
45.0	5.01								
67.5	5.01								
90.0	5.01								
112.5	5.01								
135.0	5.01								
157.5	5.01								
180.0	5.01								
202.5	5.01								
225.0	5.01								
247.5	5.01								
270.0	5.01								
292.5	5.01								
315.0	5.01								
337.5	5.01								
360.0	5.01								