



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-150DW-3

Luminaire:

Report No:

Voltage(V): 219.9500

Test No:

Current(A): 0.6500

LampCAT:

Power (W): 142.0400

Lamp flux(lm)

PF: 0.9932

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 17505.62

Lumens(lm)/Power(W): 123.24

Central intensity(cd): 4228.573

Maximum intensity(cd): 6360.933

Angle of maximum intensity: $C=22.5$ $\gamma=63.0$

Beam Angle(50%Imax): [C0/180]Total=145.2

[C90/270]Total=112.1

Field angle(10%Imax): [C0/180]Total=153.7

[C90/270]Total=136.5

Maximum s/h(1/2): C0_180=1.69 C90_270=1.90

Maximum s/h(1/4): C0_180=1.92 C90_270=1.91

Up flux rate of LUM(%): 0.37%

Down flux rate of LUM(%): 99.63%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 76.460%

Equipment:
Temperature(°C): 25.3

Date: 2018-11-12
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	4228.574	.000	.000	.000%	.000%	.000%
1.0	4240.922	4.052	4.052	.023%	.023%	.023%
2.0	4240.300	12.173	16.226	.070%	.093%	.093%
3.0	4241.151	20.285	36.510	.116%	.209%	.209%
4.0	4240.592	28.391	64.902	.162%	.371%	.371%
5.0	4243.893	36.500	101.401	.209%	.579%	.579%
6.0	4248.613	44.630	146.032	.255%	.834%	.834%
7.0	4249.959	52.750	198.782	.301%	1.136%	1.136%
8.0	4252.954	60.854	259.636	.348%	1.483%	1.483%
9.0	4255.276	68.955	328.591	.394%	1.877%	1.877%
10.0	4260.353	77.063	405.654	.440%	2.317%	2.317%
11.0	4263.538	85.171	490.825	.487%	2.804%	2.804%
12.0	4264.719	93.226	584.051	.533%	3.336%	3.336%
13.0	4268.324	101.266	685.317	.578%	3.915%	3.915%
14.0	4273.552	109.335	794.652	.625%	4.539%	4.539%
15.0	4278.108	117.401	912.053	.671%	5.210%	5.210%
16.0	4282.778	125.441	1037.494	.717%	5.927%	5.927%
17.0	4285.304	133.428	1170.922	.762%	6.689%	6.689%
18.0	4289.416	141.379	1312.301	.808%	7.496%	7.496%
19.0	4293.414	149.324	1461.624	.853%	8.349%	8.349%
20.0	4298.592	157.258	1618.882	.898%	9.248%	9.248%
21.0	4302.958	165.167	1784.049	.944%	10.191%	10.191%
22.0	4307.260	173.026	1957.075	.988%	11.180%	11.180%
23.0	4311.030	180.835	2137.910	1.033%	12.213%	12.213%
24.0	4315.801	188.614	2326.523	1.077%	13.290%	13.290%
25.0	4319.469	196.347	2522.871	1.122%	14.412%	14.412%
26.0	4322.350	203.991	2726.862	1.165%	15.577%	15.577%
27.0	4324.978	211.559	2938.421	1.209%	16.786%	16.786%
28.0	4326.653	219.041	3157.462	1.251%	18.037%	18.037%
29.0	4330.193	226.488	3383.949	1.294%	19.331%	19.331%
30.0	4331.323	233.859	3617.808	1.336%	20.667%	20.667%
31.0	4333.772	241.137	3858.945	1.377%	22.044%	22.044%
32.0	4334.458	248.335	4107.280	1.419%	23.463%	23.463%
33.0	4337.466	255.478	4362.758	1.459%	24.922%	24.922%
34.0	4339.420	262.588	4625.346	1.500%	26.422%	26.422%
35.0	4340.626	269.570	4894.916	1.540%	27.962%	27.962%
36.0	4341.057	276.427	5171.343	1.579%	29.541%	29.541%
37.0	4341.362	283.172	5454.515	1.618%	31.159%	31.159%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	4337.212	289.679	5744.194	1.655%	32.813%	32.813%
39.0	4335.397	296.020	6040.214	1.691%	34.504%	34.504%
40.0	4333.951	302.356	6342.570	1.727%	36.232%	36.232%
41.0	4330.168	308.525	6651.095	1.762%	37.994%	37.994%
42.0	4327.452	314.547	6965.641	1.797%	39.791%	39.791%
43.0	4320.687	320.352	7285.993	1.830%	41.621%	41.621%
44.0	4311.271	325.794	7611.787	1.861%	43.482%	43.482%
45.0	4305.979	331.171	7942.958	1.892%	45.374%	45.374%
46.0	4300.483	336.580	8279.538	1.923%	47.296%	47.296%
47.0	4295.432	341.882	8621.420	1.953%	49.249%	49.249%
48.0	4289.188	347.035	8968.455	1.982%	51.232%	51.232%
49.0	4282.423	351.998	9320.453	2.011%	53.243%	53.243%
50.0	4274.187	356.754	9677.207	2.038%	55.281%	55.281%
51.0	4256.545	360.923	10038.130	2.062%	57.342%	57.342%
52.0	4236.251	364.432	10402.560	2.082%	59.424%	59.424%
53.0	4214.879	367.624	10770.190	2.100%	61.524%	61.524%
54.0	4180.702	370.042	11140.230	2.114%	63.638%	63.638%
55.0	4152.019	371.959	11512.190	2.125%	65.763%	65.763%
56.0	4122.194	373.889	11886.080	2.136%	67.899%	67.899%
57.0	4086.405	375.316	12261.390	2.144%	70.043%	70.043%
58.0	4039.142	375.754	12637.150	2.146%	72.189%	72.189%
59.0	3980.862	374.940	13012.090	2.142%	74.331%	74.331%
60.0	3910.096	372.797	13384.880	2.130%	76.460%	76.460%
61.0	3823.616	369.068	13753.950	2.108%	78.569%	78.569%
62.0	3733.761	364.159	14118.110	2.080%	80.649%	80.649%
63.0	3616.124	357.463	14475.570	2.042%	82.691%	82.691%
64.0	3479.184	348.164	14823.740	1.989%	84.680%	84.680%
65.0	3315.998	336.288	15160.030	1.921%	86.601%	86.601%
66.0	3109.915	320.612	15480.640	1.831%	88.432%	88.432%
67.0	2882.917	301.336	15781.970	1.721%	90.154%	90.154%
68.0	2646.488	280.102	16062.070	1.600%	91.754%	91.754%
69.0	2309.341	252.823	16314.900	1.444%	93.198%	93.198%
70.0	2039.230	223.335	16538.230	1.276%	94.474%	94.474%
71.0	1739.268	195.293	16733.520	1.116%	95.589%	95.589%
72.0	1441.757	165.404	16898.930	.945%	96.534%	96.534%
73.0	1085.902	132.178	17031.110	.755%	97.289%	97.289%
74.0	797.528	99.017	17130.120	.566%	97.855%	97.855%
75.0	597.880	73.728	17203.850	.421%	98.276%	98.276%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	391.885	52.541	17256.390	.300%	98.576%	98.576%
77.0	256.113	34.548	17290.940	.197%	98.774%	98.774%
78.0	189.153	23.835	17314.780	.136%	98.910%	98.910%
79.0	154.556	18.467	17333.240	.105%	99.015%	99.015%
80.0	133.907	15.552	17348.790	.089%	99.104%	99.104%
81.0	126.686	14.092	17362.890	.081%	99.185%	99.185%
82.0	113.766	13.039	17375.930	.074%	99.259%	99.259%
83.0	102.978	11.782	17387.710	.067%	99.326%	99.326%
84.0	92.292	10.638	17398.350	.061%	99.387%	99.387%
85.0	83.256	9.581	17407.930	.055%	99.442%	99.442%
86.0	74.575	8.627	17416.550	.049%	99.491%	99.491%
87.0	65.538	7.668	17424.220	.044%	99.535%	99.535%
88.0	55.842	6.649	17430.870	.038%	99.573%	99.573%
89.0	45.562	5.558	17436.430	.032%	99.605%	99.605%
90.0	38.582	4.613	17441.040	.026%	99.631%	99.631%
91.0	32.998	3.925	17444.970	.022%	99.654%	99.654%
92.0	28.124	3.350	17448.320	.019%	99.673%	99.673%
93.0	24.241	2.868	17451.190	.016%	99.689%	99.689%
94.0	20.484	2.448	17453.630	.014%	99.703%	99.703%
95.0	18.276	2.119	17455.750	.012%	99.715%	99.715%
96.0	16.283	1.886	17457.640	.011%	99.726%	99.726%
97.0	14.506	1.677	17459.320	.010%	99.735%	99.735%
98.0	13.529	1.524	17460.840	.009%	99.744%	99.744%
99.0	12.704	1.423	17462.260	.008%	99.752%	99.752%
100.0	12.070	1.340	17463.600	.008%	99.760%	99.760%
101.0	11.448	1.268	17464.870	.007%	99.767%	99.767%
102.0	10.864	1.199	17466.070	.007%	99.774%	99.774%
103.0	10.344	1.135	17467.200	.006%	99.781%	99.781%
104.0	10.090	1.089	17468.290	.006%	99.787%	99.787%
105.0	9.785	1.055	17469.350	.006%	99.793%	99.793%
106.0	9.455	1.017	17470.360	.006%	99.799%	99.799%
107.0	9.036	.972	17471.340	.006%	99.804%	99.804%
108.0	8.554	.920	17472.260	.005%	99.809%	99.809%
109.0	8.097	.866	17473.120	.005%	99.814%	99.814%
110.0	7.628	.813	17473.930	.005%	99.819%	99.819%
111.0	7.183	.761	17474.690	.004%	99.823%	99.823%
112.0	6.904	.719	17475.410	.004%	99.827%	99.827%
113.0	6.663	.687	17476.100	.004%	99.831%	99.831%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	6.612	.668	17476.770	.004%	99.835%	99.835%
115.0	6.549	.657	17477.420	.004%	99.839%	99.839%
116.0	6.587	.650	17478.070	.004%	99.843%	99.843%
117.0	6.688	.651	17478.730	.004%	99.846%	99.846%
118.0	6.739	.653	17479.380	.004%	99.850%	99.850%
119.0	6.866	.656	17480.040	.004%	99.854%	99.854%
120.0	6.879	.656	17480.690	.004%	99.858%	99.858%
121.0	7.044	.658	17481.350	.004%	99.861%	99.861%
122.0	7.145	.663	17482.010	.004%	99.865%	99.865%
123.0	7.234	.665	17482.680	.004%	99.869%	99.869%
124.0	7.310	.665	17483.340	.004%	99.873%	99.873%
125.0	7.424	.666	17484.010	.004%	99.877%	99.877%
126.0	7.551	.668	17484.680	.004%	99.880%	99.880%
127.0	7.628	.669	17485.350	.004%	99.884%	99.884%
128.0	7.742	.669	17486.010	.004%	99.888%	99.888%
129.0	7.856	.669	17486.680	.004%	99.892%	99.892%
130.0	7.907	.667	17487.350	.004%	99.896%	99.896%
131.0	8.046	.665	17488.020	.004%	99.899%	99.899%
132.0	8.021	.660	17488.680	.004%	99.903%	99.903%
133.0	8.122	.653	17489.330	.004%	99.907%	99.907%
134.0	8.148	.647	17489.970	.004%	99.911%	99.911%
135.0	8.211	.640	17490.620	.004%	99.914%	99.914%
136.0	8.249	.633	17491.250	.004%	99.918%	99.918%
137.0	8.148	.619	17491.870	.004%	99.921%	99.921%
138.0	8.237	.607	17492.470	.003%	99.925%	99.925%
139.0	8.211	.598	17493.070	.003%	99.928%	99.928%
140.0	8.237	.586	17493.660	.003%	99.932%	99.932%
141.0	8.275	.576	17494.230	.003%	99.935%	99.935%
142.0	8.249	.564	17494.800	.003%	99.938%	99.938%
143.0	8.249	.551	17495.350	.003%	99.941%	99.941%
144.0	8.224	.537	17495.890	.003%	99.944%	99.944%
145.0	8.249	.525	17496.410	.003%	99.947%	99.947%
146.0	8.300	.514	17496.930	.003%	99.950%	99.950%
147.0	8.249	.501	17497.430	.003%	99.953%	99.953%
148.0	8.262	.486	17497.910	.003%	99.956%	99.956%
149.0	8.275	.474	17498.390	.003%	99.959%	99.959%
150.0	8.224	.459	17498.850	.003%	99.961%	99.961%
151.0	8.237	.444	17499.290	.003%	99.964%	99.964%

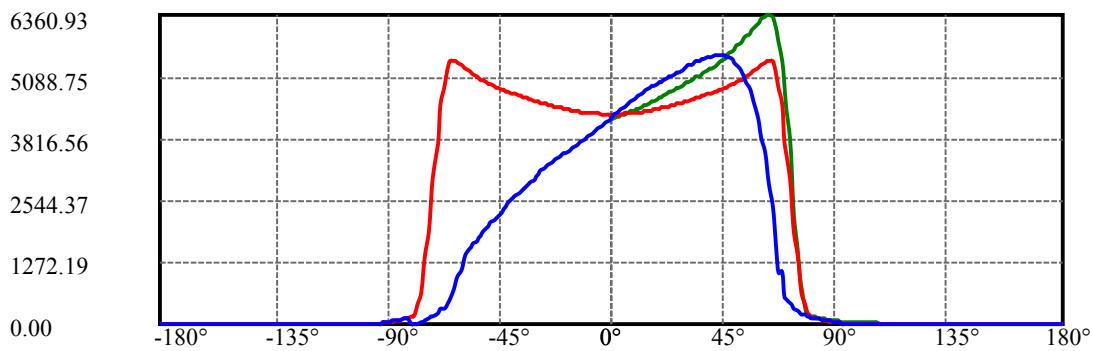
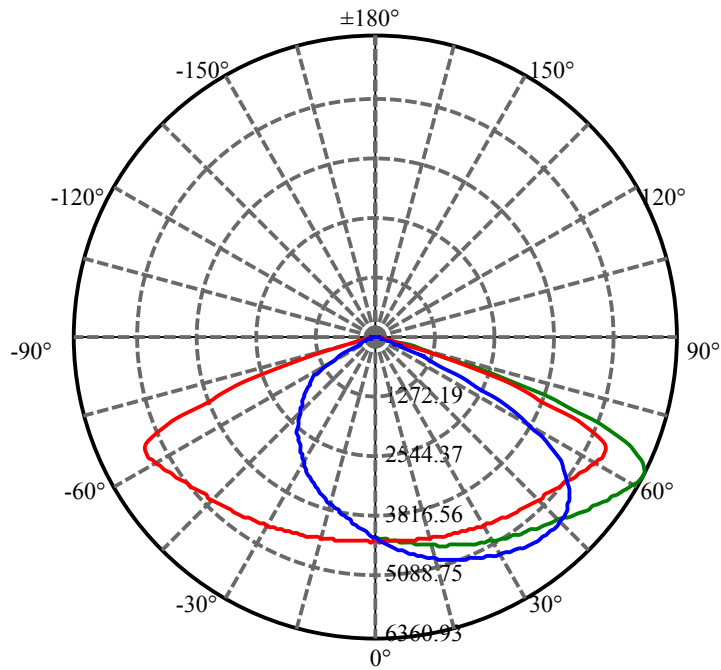
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	8.249	.431	17499.720	.002%	99.966%	99.966%
153.0	8.262	.418	17500.140	.002%	99.969%	99.969%
154.0	8.300	.405	17500.540	.002%	99.971%	99.971%
155.0	8.211	.390	17500.940	.002%	99.973%	99.973%
156.0	8.224	.374	17501.310	.002%	99.975%	99.975%
157.0	8.199	.359	17501.670	.002%	99.977%	99.977%
158.0	8.224	.345	17502.010	.002%	99.979%	99.979%
159.0	8.161	.329	17502.340	.002%	99.981%	99.981%
160.0	8.110	.312	17502.650	.002%	99.983%	99.983%
161.0	8.110	.297	17502.950	.002%	99.985%	99.985%
162.0	8.008	.280	17503.230	.002%	99.986%	99.986%
163.0	7.996	.264	17503.500	.002%	99.988%	99.988%
164.0	7.919	.248	17503.740	.001%	99.989%	99.989%
165.0	7.958	.233	17503.980	.001%	99.991%	99.991%
166.0	7.907	.218	17504.200	.001%	99.992%	99.992%
167.0	7.818	.201	17504.400	.001%	99.993%	99.993%
168.0	7.831	.186	17504.580	.001%	99.994%	99.994%
169.0	7.805	.171	17504.750	.001%	99.995%	99.995%
170.0	7.729	.155	17504.910	.001%	99.996%	99.996%
171.0	7.678	.139	17505.050	.001%	99.997%	99.997%
172.0	7.742	.125	17505.170	.001%	99.997%	99.997%
173.0	7.666	.110	17505.280	.001%	99.998%	99.998%
174.0	7.742	.096	17505.380	.001%	99.999%	99.999%
175.0	7.704	.081	17505.460	.000%	99.999%	99.999%
176.0	7.793	.067	17505.530	.000%	99.999%	99.999%
177.0	7.843	.052	17505.580	.000%	100.000%	100.000%
178.0	7.907	.038	17505.620	.000%	100.000%	100.000%
179.0	7.945	.023	17505.640	.000%	100.000%	100.000%
180.0	8.122	.008	17505.650	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	3617.81	20.67%
0-40	6342.57	36.23%
0-60	13384.88	76.46%
0-90	17441.04	99.63%
0-120	17480.69	99.86%
0-180	17505.65	100.00%
60-90	4428.96	25.30%
90-120	44.26	0.25%
90-130	50.92	0.29%
90-150	62.41	0.36%
90-180	69.21	0.40%
0-61.69	14004.52	80.00%

ZONAL LUMEN SUMMARY

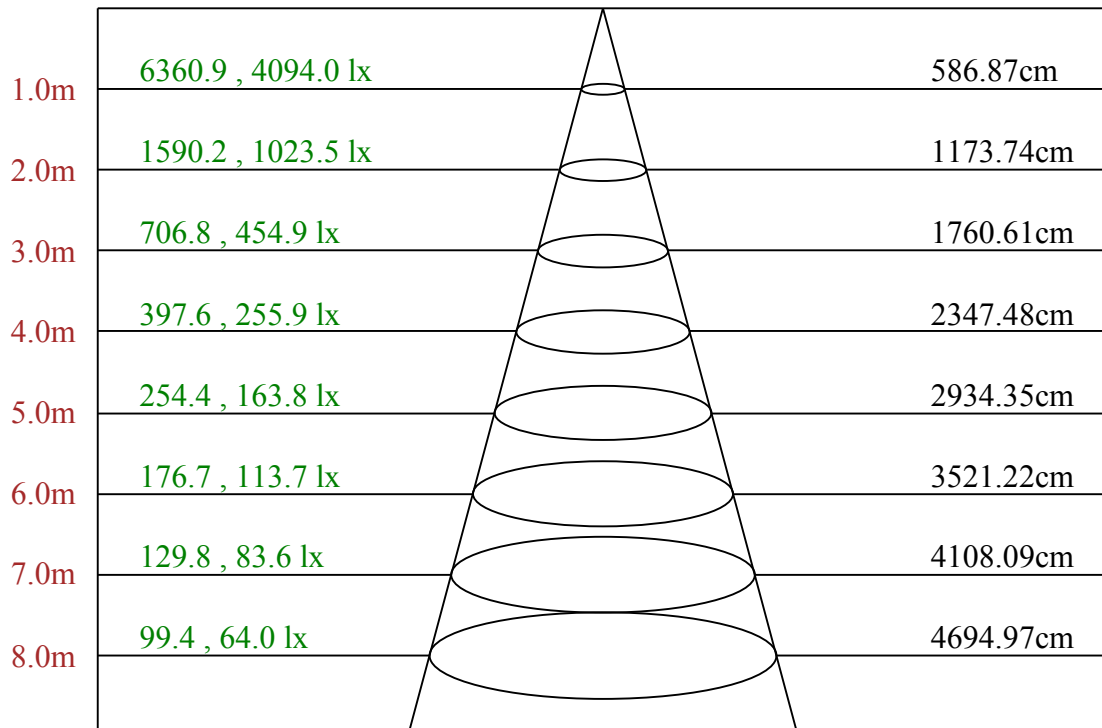
0-10	405.65
10-20	1213.23
20-30	1998.93
30-40	2724.76
40-50	3334.64
50-60	3707.67
60-70	3153.35
70-80	810.56
80-90	92.25
90-100	22.56
100-110	10.33
110-120	6.76
120-130	6.66
130-140	6.31
140-150	5.19
150-160	3.81
160-170	2.25
170-180	0.73



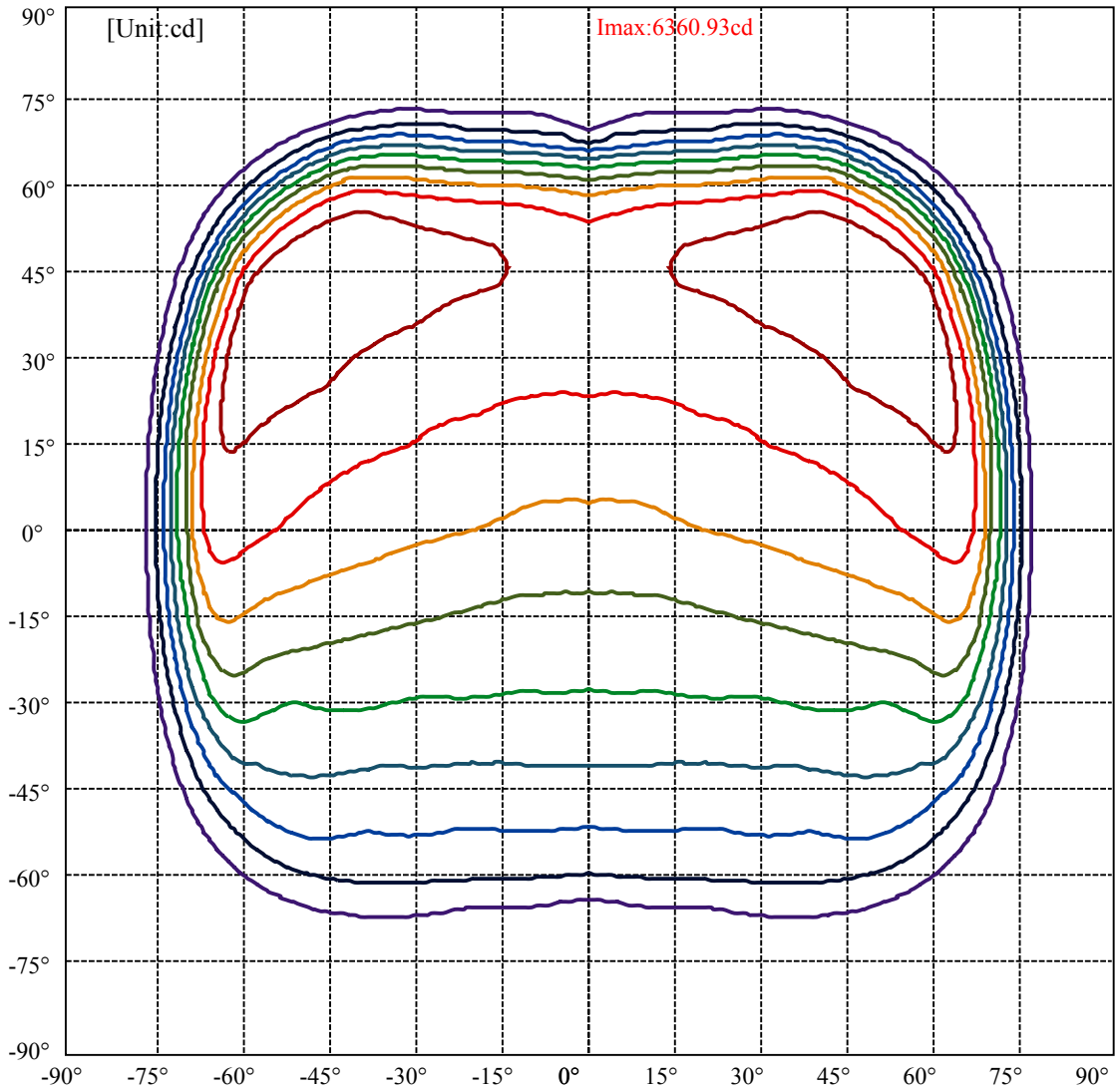
C22.5(Max): —
 C0/C180: —
 C90/C270: —

Field angle(10%Imax):C0/180Left:76.9 Right:76.9
 :C90/270Left:65.2 Right:71.3

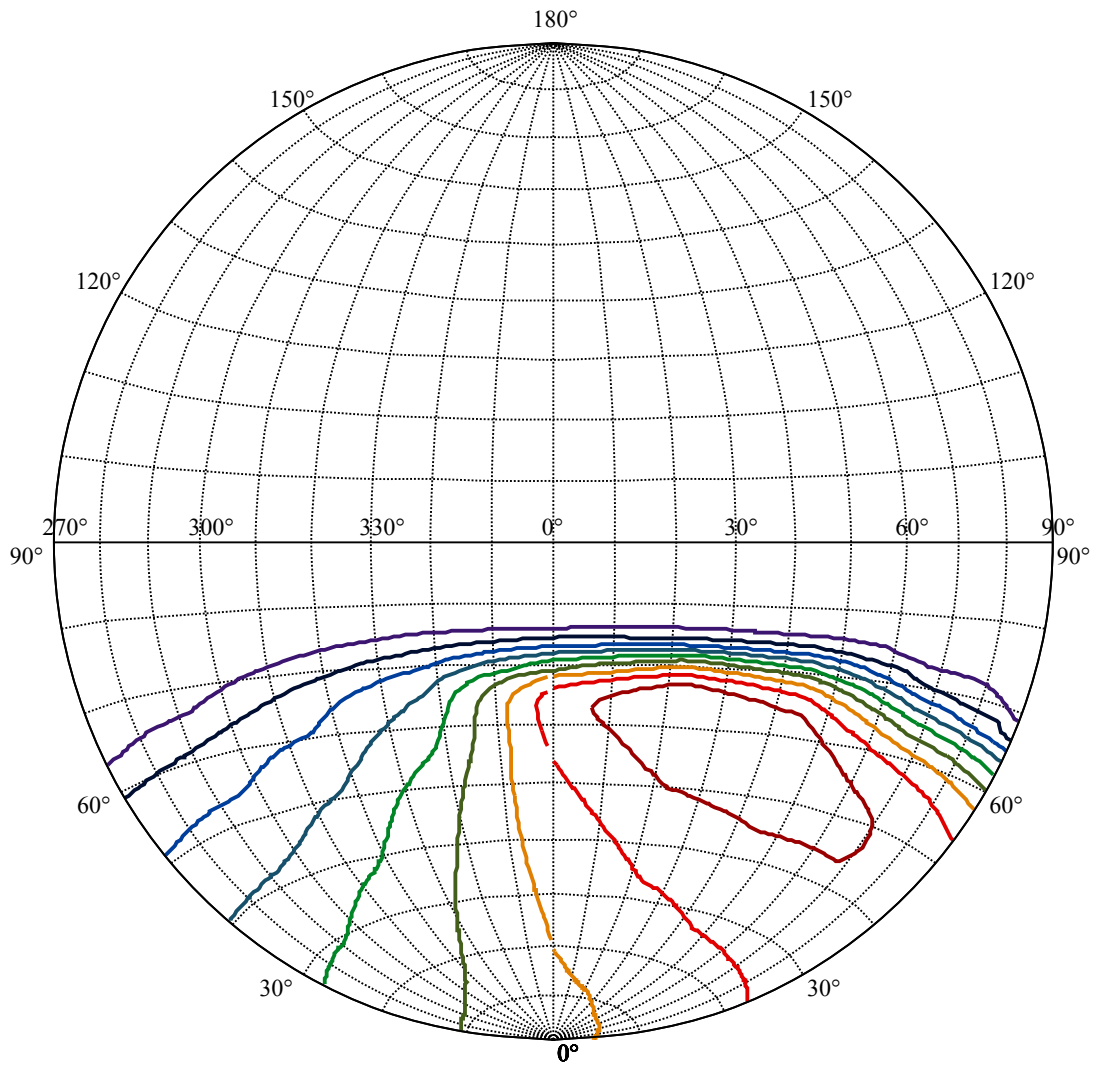
Beam Angle(50%Imax):C0/180Left:72.6 Right:72.6
 :C90/270Left:47.4 Right:64.8



Max , Ave Beam angle of C22.5plane141.83



(10%Imax) 634.991	—
(20%Imax) 1269.98	—
(30%Imax) 1904.97	—
(40%Imax) 2539.96	—
(50%Imax) 3174.95	—
(60%Imax) 3809.94	—
(70%Imax) 4444.94	—
(80%Imax) 5079.93	—
(90%Imax) 5714.92	—



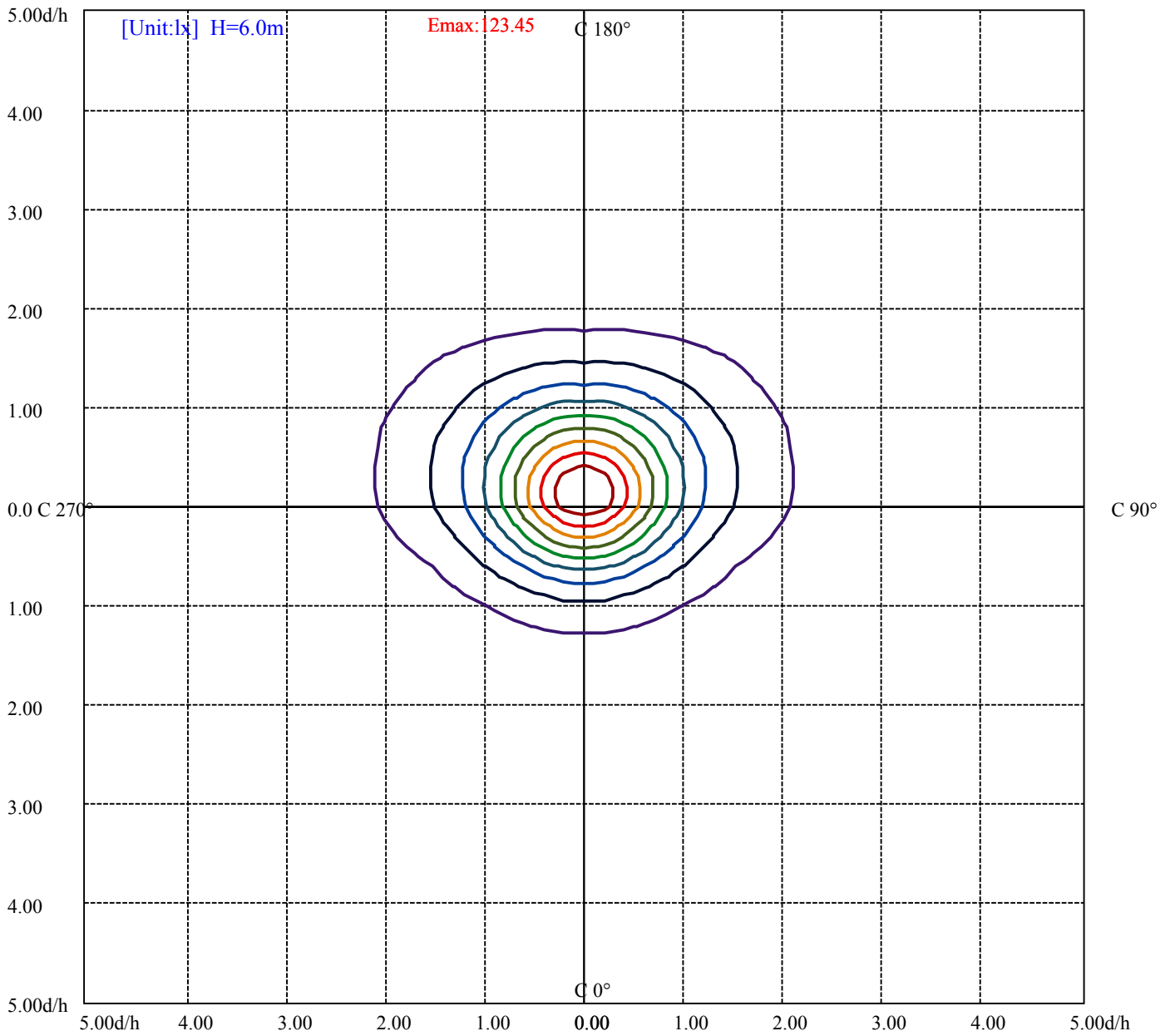
House

[Unit:cd]

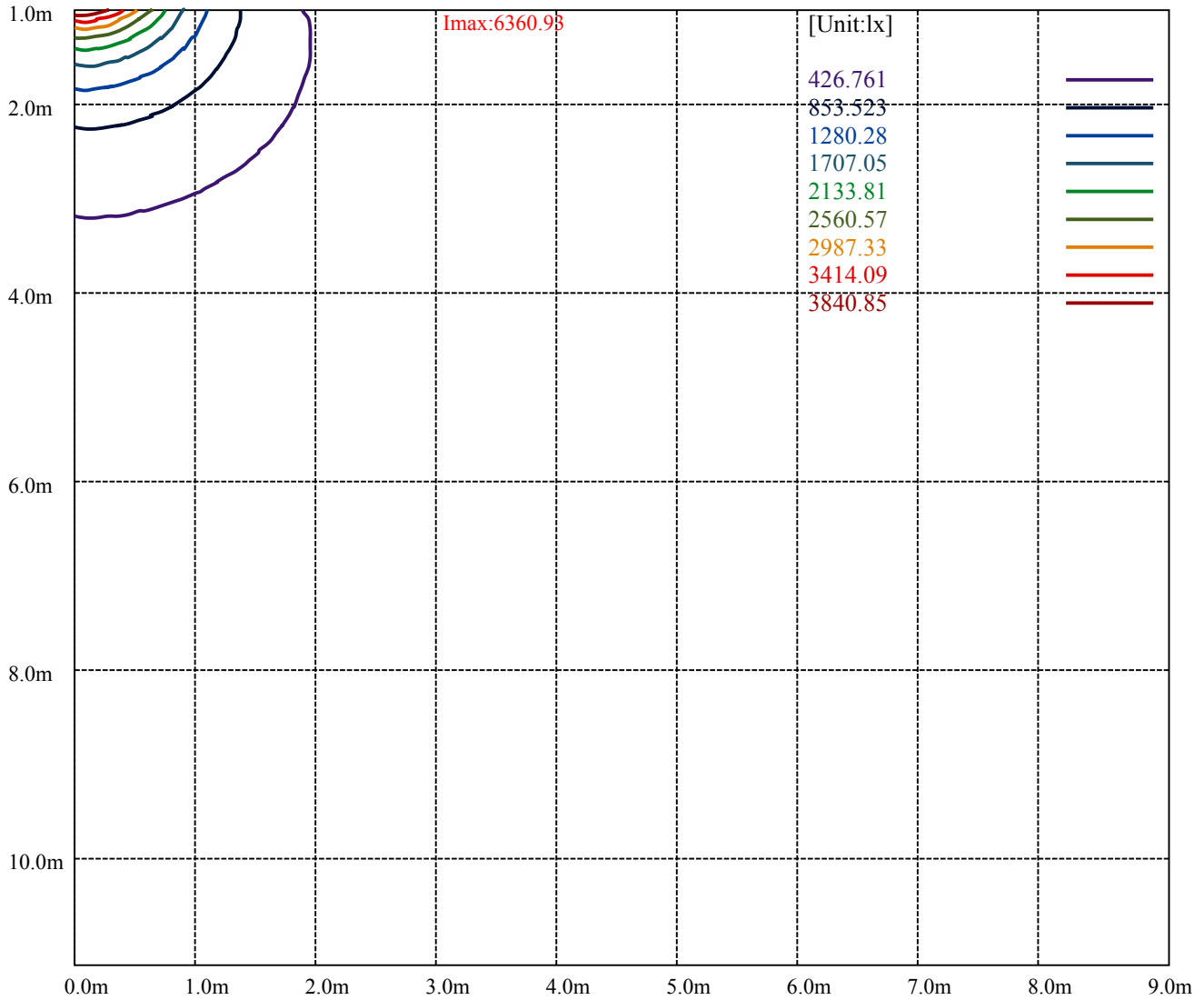
Road

Imax:6360.93

(10%Imax) 634.833	—
(20%Imax) 1269.67	—
(30%Imax) 1904.5	—
(40%Imax) 2539.33	—
(50%Imax) 3174.16	—
(60%Imax) 3809	—
(70%Imax) 4443.83	—
(80%Imax) 5078.66	—
(90%Imax) 5713.5	—



- (10%Emax) 12.34472
- (20%Emax) 24.68945
- (30%Emax) 37.03416
- (40%Emax) 49.37889
- (50%Emax) 61.72361
- (60%Emax) 74.06833
- (70%Emax) 86.41306
- (80%Emax) 98.75778
- (90%Emax) 111.1025



Luminance Table

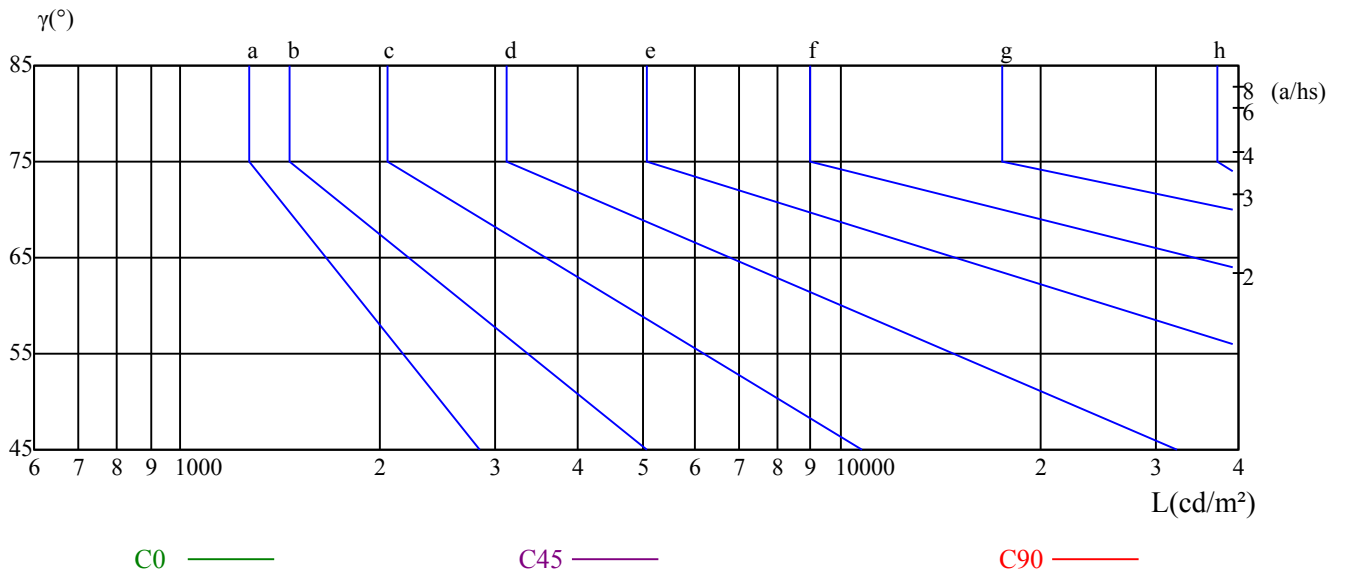
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

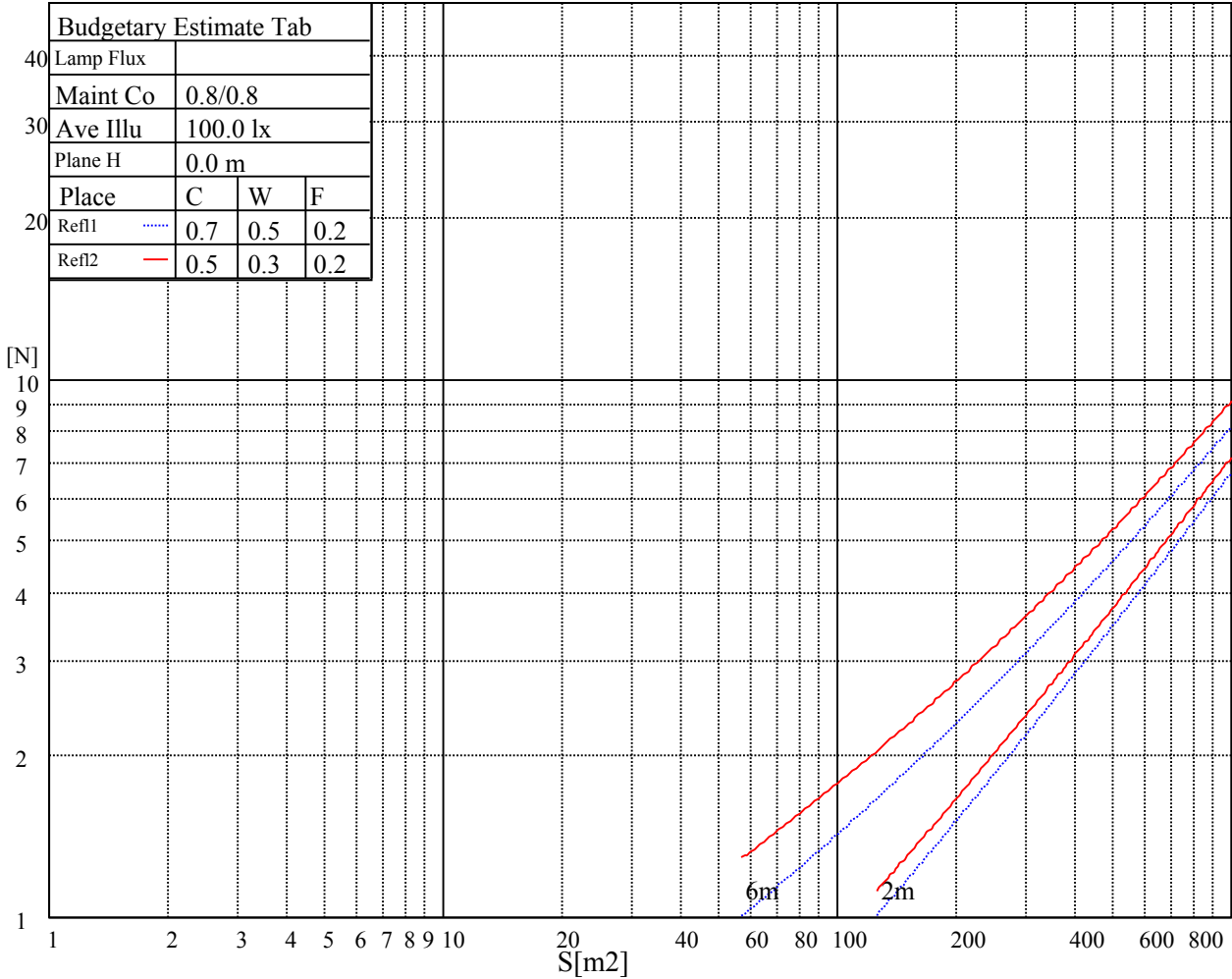
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

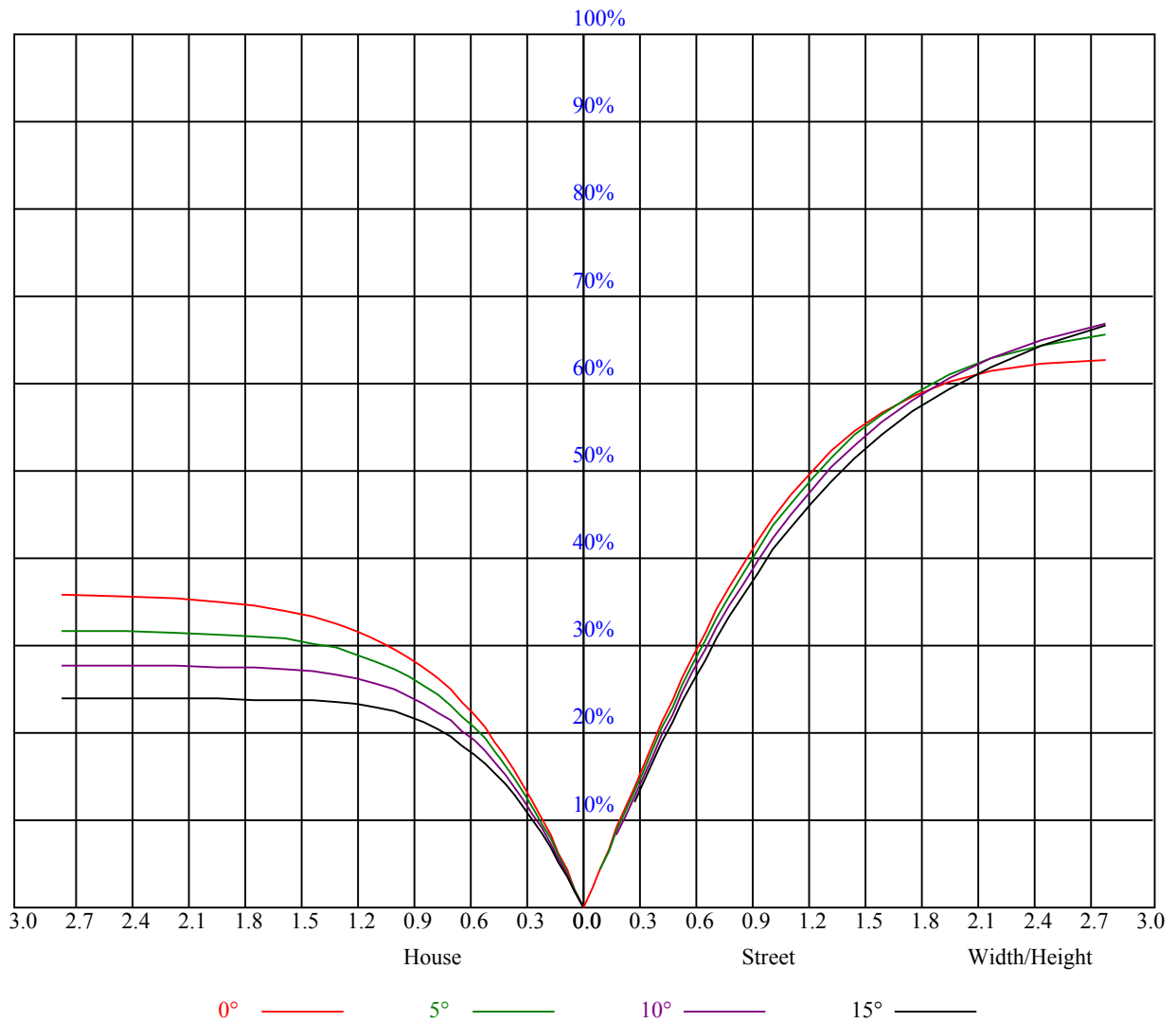
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	0.83
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	0.70	0.68
3	0.78	0.69	0.62	0.76	0.68	0.62	0.73	0.66	0.60	0.70	0.64	0.59	0.67	0.62	0.58	0.56
4	0.68	0.58	0.51	0.66	0.58	0.51	0.64	0.56	0.50	0.61	0.55	0.49	0.59	0.53	0.49	0.46
5	0.60	0.50	0.43	0.58	0.50	0.43	0.56	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.41	0.39
6	0.53	0.44	0.37	0.52	0.43	0.37	0.50	0.42	0.36	0.48	0.41	0.36	0.47	0.40	0.36	0.33
7	0.48	0.38	0.32	0.47	0.38	0.32	0.45	0.37	0.31	0.44	0.36	0.31	0.42	0.36	0.31	0.29
8	0.43	0.34	0.28	0.42	0.34	0.28	0.41	0.33	0.28	0.40	0.33	0.27	0.38	0.32	0.27	0.25
9	0.39	0.31	0.25	0.39	0.30	0.25	0.37	0.30	0.24	0.36	0.29	0.24	0.35	0.29	0.24	0.22
10	0.36	0.28	0.22	0.35	0.27	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	4228.57	4316.30	4317.31	4318.33	4324.42	4327.47	4333.56	4337.62	4344.93
22.5	4228.57	4240.76	4257.00	4271.22	4293.35	4312.64	4332.95	4353.25	4377.62
45.0	4228.57	4258.02	4284.42	4316.91	4346.35	4377.82	4408.28	4442.80	4474.28
67.5	4228.57	4267.16	4301.68	4341.07	4376.61	4413.16	4449.71	4490.32	4525.86
90.0	4228.57	4289.49	4330.31	4370.92	4423.92	4458.44	4511.44	4550.02	4580.48
112.5	4228.57	4267.16	4301.68	4341.07	4376.61	4413.16	4449.71	4490.32	4525.86
135.0	4228.57	4258.02	4284.42	4316.91	4346.35	4377.82	4408.28	4442.80	4474.28
157.5	4228.57	4240.76	4257.00	4271.22	4293.35	4312.64	4332.95	4353.25	4377.62
180.0	4228.57	4316.30	4317.31	4318.33	4324.42	4327.47	4333.56	4337.62	4344.93
202.5	4228.57	4211.31	4198.11	4184.92	4174.76	4159.53	4147.35	4135.17	4121.97
225.0	4228.57	4200.15	4169.69	4143.29	4115.87	4079.12	4062.06	4025.51	4006.42
247.5	4228.57	4189.99	4153.44	4116.89	4050.49	4038.30	4006.02	3965.81	3933.32
270.0	4228.57	4197.91	4151.21	4102.27	4061.86	4027.74	3986.52	3948.35	3897.99
292.5	4228.57	4189.99	4153.44	4116.89	4050.49	4038.30	4006.02	3965.81	3933.32
315.0	4228.57	4200.15	4169.69	4143.29	4115.87	4079.12	4062.06	4025.51	4006.42
337.5	4228.57	4211.31	4198.11	4184.92	4174.76	4159.53	4147.35	4135.17	4121.97
360.0	4228.57	4316.30	4317.31	4318.33	4324.42	4327.47	4333.56	4337.62	4344.93
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4348.99	4356.10	4360.16	4365.23	4374.37	4384.73	4393.87	4403.00	4416.20
22.5	4396.91	4417.22	4438.34	4462.71	4490.12	4516.52	4543.93	4572.16	4598.55
45.0	4504.74	4545.35	4574.59	4607.08	4639.57	4675.11	4706.58	4743.13	4774.61
67.5	4569.52	4606.07	4645.66	4680.19	4715.52	4748.01	4785.57	4816.03	4847.51
90.0	4617.24	4665.97	4702.73	4737.25	4773.80	4808.52	4841.01	4883.86	4914.32
112.5	4569.52	4606.07	4645.66	4680.19	4715.52	4748.01	4785.57	4816.03	4847.51
135.0	4504.74	4545.35	4574.59	4607.08	4639.57	4675.11	4706.58	4743.13	4774.61
157.5	4396.91	4417.22	4438.34	4462.71	4490.12	4516.52	4543.93	4572.16	4598.55
180.0	4348.99	4356.10	4360.16	4365.23	4374.37	4384.73	4393.87	4403.00	4416.20
202.5	4101.66	4093.94	4082.37	4071.00	4058.20	4047.04	4036.48	4026.93	4014.55
225.0	3976.78	3952.00	3927.23	3902.05	3863.87	3848.64	3824.28	3800.72	3771.48
247.5	3901.24	3864.08	3831.18	3787.73	3762.75	3726.40	3692.69	3654.31	3619.18
270.0	3867.53	3830.17	3794.83	3746.30	3710.56	3675.43	3641.93	3608.01	3566.39
292.5	3901.24	3864.08	3831.18	3787.73	3762.75	3726.40	3692.69	3654.31	3619.18
315.0	3976.78	3952.00	3927.23	3902.05	3863.87	3848.64	3824.28	3800.72	3771.48
337.5	4101.66	4093.94	4082.37	4071.00	4058.20	4047.04	4036.48	4026.93	4014.55
360.0	4348.99	4356.10	4360.16	4365.23	4374.37	4384.73	4393.87	4403.00	4416.20
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4425.54	4438.74	4449.91	4460.07	4472.45	4483.62	4493.77	4508.19	4524.44
22.5	4624.95	4650.33	4674.50	4705.97	4734.40	4762.63	4795.12	4820.50	4848.73
45.0	4804.05	4831.47	4862.94	4895.43	4925.89	4953.30	4986.81	5019.30	5047.73
67.5	4876.95	4906.40	4940.92	4970.36	4995.74	5024.17	5054.63	5087.12	5116.36
90.0	4944.78	4971.17	4995.74	5028.23	5052.60	5081.23	5105.60	5138.09	5164.49
112.5	4876.95	4906.40	4940.92	4970.36	4995.74	5024.17	5054.63	5087.12	5116.36
135.0	4804.05	4831.47	4862.94	4895.43	4925.89	4953.30	4986.81	5019.30	5047.73
157.5	4624.95	4650.33	4674.50	4705.97	4734.40	4762.63	4795.12	4820.50	4848.73
180.0	4425.54	4438.74	4449.91	4460.07	4472.45	4483.62	4493.77	4508.19	4524.44
202.5	4005.81	3996.47	3989.37	3983.27	3977.39	3971.90	3965.20	3961.95	3954.03
225.0	3750.16	3729.45	3709.14	3685.99	3664.06	3638.88	3616.34	3590.15	3567.81
247.5	3587.71	3557.05	3528.21	3491.46	3461.40	3430.54	3398.86	3360.28	3320.28
270.0	3535.52	3503.64	3471.76	3433.99	3400.89	3365.15	3325.76	3278.44	3234.38
292.5	3587.71	3557.05	3528.21	3491.46	3461.40	3430.54	3398.86	3360.28	3320.28
315.0	3750.16	3729.45	3709.14	3685.99	3664.06	3638.88	3616.34	3590.15	3567.81
337.5	4005.81	3996.47	3989.37	3983.27	3977.39	3971.90	3965.20	3961.95	3954.03
360.0	4425.54	4438.74	4449.91	4460.07	4472.45	4483.62	4493.77	4508.19	4524.44

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	4537.64	4552.05	4564.24	4582.51	4599.98	4615.21	4630.64	4646.88	4666.17
22.5	4875.13	4899.49	4931.78	4959.19	4987.62	5012.80	5053.41	5083.87	5113.11
45.0	5079.00	5105.40	5135.86	5164.29	5194.75	5226.22	5263.79	5300.34	5335.87
67.5	5147.84	5176.27	5216.88	5255.46	5292.01	5327.55	5368.16	5405.73	5450.40
90.0	5191.09	5221.55	5258.10	5286.73	5317.19	5345.62	5378.31	5398.62	5420.96
112.5	5147.84	5176.27	5216.88	5255.46	5292.01	5327.55	5368.16	5405.73	5450.40
135.0	5079.00	5105.40	5135.86	5164.29	5194.75	5226.22	5263.79	5300.34	5335.87
157.5	4875.13	4899.49	4931.78	4959.19	4987.62	5012.80	5053.41	5083.87	5113.11
180.0	4537.64	4552.05	4564.24	4582.51	4599.98	4615.21	4630.64	4646.88	4666.17
202.5	3946.11	3939.21	3930.88	3920.93	3909.77	3900.63	3890.48	3879.92	3865.90
225.0	3542.63	3518.06	3492.68	3463.64	3436.02	3400.49	3368.20	3335.30	3293.47
247.5	3281.08	3240.07	3196.00	3145.44	3100.56	3054.06	2998.62	2950.70	2899.73
270.0	3189.71	3143.81	3088.38	3031.52	2981.77	2931.82	2874.55	2826.63	2779.72
292.5	3281.08	3240.07	3196.00	3145.44	3100.56	3054.06	2998.62	2950.70	2899.73
315.0	3542.63	3518.06	3492.68	3463.64	3436.02	3400.49	3368.20	3335.30	3293.47
337.5	3946.11	3939.21	3930.88	3920.93	3909.77	3900.63	3890.48	3879.92	3865.90
360.0	4537.64	4552.05	4564.24	4582.51	4599.98	4615.21	4630.64	4646.88	4666.17
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	4683.64	4700.90	4726.48	4735.62	4753.08	4771.36	4791.87	4811.16	4831.67
22.5	5142.56	5173.02	5204.29	5236.78	5268.25	5303.59	5346.23	5381.56	5420.14
45.0	5371.41	5406.95	5441.47	5481.06	5518.63	5552.95	5589.50	5635.19	5680.88
67.5	5482.69	5517.21	5553.76	5590.31	5624.83	5654.28	5677.63	5698.95	5715.19
90.0	5445.32	5469.90	5486.14	5500.35	5510.51	5520.66	5524.72	5530.81	5526.75
112.5	5482.69	5517.21	5553.76	5590.31	5624.83	5654.28	5677.63	5698.95	5715.19
135.0	5371.41	5406.95	5441.47	5481.06	5518.63	5552.95	5589.50	5635.19	5680.88
157.5	5142.56	5173.02	5204.29	5236.78	5268.25	5303.59	5346.23	5381.56	5420.14
180.0	4683.64	4700.90	4726.48	4735.62	4753.08	4771.36	4791.87	4811.16	4831.67
202.5	3853.92	3840.93	3825.29	3807.63	3790.97	3771.48	3750.36	3726.60	3702.03
225.0	3253.06	3204.94	3146.66	3082.49	3026.65	2983.60	2940.95	2887.35	2844.09
247.5	2854.45	2807.54	2730.58	2691.39	2643.87	2600.01	2551.68	2481.63	2393.90
270.0	2728.15	2688.95	2652.20	2615.45	2580.11	2487.52	2418.07	2355.32	2277.75
292.5	2854.45	2807.54	2730.58	2691.39	2643.87	2600.01	2551.68	2481.63	2393.90
315.0	3253.06	3204.94	3146.66	3082.49	3026.65	2983.60	2940.95	2887.35	2844.09
337.5	3853.92	3840.93	3825.29	3807.63	3790.97	3771.48	3750.36	3726.60	3702.03
360.0	4683.64	4700.90	4726.48	4735.62	4753.08	4771.36	4791.87	4811.16	4831.67
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	4851.98	4873.50	4896.85	4922.44	4946.81	4974.42	5003.05	5029.45	5058.08
22.5	5463.60	5507.26	5555.99	5604.53	5660.16	5713.77	5765.55	5807.18	5878.86
45.0	5721.49	5764.13	5806.78	5855.51	5893.89	5931.46	5970.04	6004.56	6032.99
67.5	5729.41	5742.61	5756.82	5758.85	5759.87	5754.79	5736.52	5699.96	5660.37
90.0	5520.66	5500.35	5475.99	5437.20	5386.44	5333.44	5272.52	5195.15	5095.45
112.5	5729.41	5742.61	5756.82	5758.85	5759.87	5754.79	5736.52	5699.96	5660.37
135.0	5721.49	5764.13	5806.78	5855.51	5893.89	5931.46	5970.04	6004.56	6032.99
157.5	5463.60	5507.26	5555.99	5604.53	5660.16	5713.77	5765.55	5807.18	5878.86
180.0	4851.98	4873.50	4896.85	4922.44	4946.81	4974.42	5003.05	5029.45	5058.08
202.5	3675.43	3642.33	3613.50	3577.76	3543.64	3506.89	3461.20	3415.51	3358.45
225.0	2802.26	2759.42	2715.15	2667.63	2630.47	2563.87	2471.68	2405.07	2347.40
247.5	2330.95	2274.10	2214.40	2167.08	2122.41	2092.56	2055.60	2017.83	1952.85
270.0	2224.75	2180.69	2131.95	2082.20	2017.83	1978.03	1904.93	1825.74	1764.61
292.5	2330.95	2274.10	2214.40	2167.08	2122.41	2092.56	2055.60	2017.83	1952.85
315.0	2802.26	2759.42	2715.15	2667.63	2630.47	2563.87	2471.68	2405.07	2347.40
337.5	3675.43	3642.33	3613.50	3577.76	3543.64	3506.89	3461.20	3415.51	3358.45
360.0	4851.98	4873.50	4896.85	4922.44	4946.81	4974.42	5003.05	5029.45	5058.08

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	5085.70	5125.50	5156.16	5196.98	5240.84	5282.67	5331.61	5373.44	5412.23
22.5	5930.64	5983.24	6032.78	6097.56	6151.17	6198.89	6265.70	6316.26	6350.78
45.0	6058.37	6079.69	6092.89	6101.01	6094.92	6079.69	6041.11	5989.53	5900.18
67.5	5596.40	5523.30	5419.94	5295.06	5167.13	4978.48	4766.28	4530.93	4264.11
90.0	4975.23	4853.19	4737.25	4576.42	4324.22	4098.21	3852.10	3538.77	3227.27
112.5	5596.40	5523.30	5419.94	5295.06	5167.13	4978.48	4766.28	4530.93	4264.11
135.0	6058.37	6079.69	6092.89	6101.01	6094.92	6079.69	6041.11	5989.53	5900.18
157.5	5930.64	5983.24	6032.78	6097.56	6151.17	6198.89	6265.70	6316.26	6350.78
180.0	5085.70	5125.50	5156.16	5196.98	5240.84	5282.67	5331.61	5373.44	5412.23
202.5	3300.17	3235.80	3176.91	3109.50	3048.78	2992.53	2936.08	2879.02	2810.99
225.0	2295.22	2228.61	2179.06	2132.97	2084.64	2033.06	1969.91	1890.51	1827.56
247.5	1841.98	1782.28	1752.63	1708.77	1654.76	1593.64	1488.85	1349.55	1261.83
270.0	1699.02	1662.27	1597.09	1522.36	1417.58	1277.67	1110.35	980.59	857.53
292.5	1841.98	1782.28	1752.63	1708.77	1654.76	1593.64	1488.85	1349.55	1261.83
315.0	2295.22	2228.61	2179.06	2132.97	2084.64	2033.06	1969.91	1890.51	1827.56
337.5	3300.17	3235.80	3176.91	3109.50	3048.78	2992.53	2936.08	2879.02	2810.99
360.0	5085.70	5125.50	5156.16	5196.98	5240.84	5282.67	5331.61	5373.44	5412.23
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5425.42	5395.78	5302.98	5103.98	4843.85	4501.90	3795.24	3508.92	2996.39
22.5	6360.93	6331.49	6214.12	6048.01	5810.02	5407.15	4981.73	4458.24	3837.48
45.0	5793.78	5637.42	5452.63	5194.14	4888.73	4520.37	4024.90	3548.92	2972.84
67.5	3917.08	3600.50	3242.30	2885.92	2456.85	2088.30	1705.93	1342.65	1091.87
90.0	2865.21	2451.98	2026.77	1469.16	1082.53	1082.53	578.73	496.49	439.63
112.5	3917.08	3600.50	3242.30	2885.92	2456.85	2088.30	1705.93	1342.65	1091.87
135.0	5793.78	5637.42	5452.63	5194.14	4888.73	4520.37	4024.90	3548.92	2972.84
157.5	6360.93	6331.49	6214.12	6048.01	5810.02	5407.15	4981.73	4458.24	3837.48
180.0	5425.42	5395.78	5302.98	5103.98	4843.85	4501.90	3795.24	3508.92	2996.39
202.5	2738.50	2668.04	2587.02	2482.03	2353.70	2209.73	2044.64	1831.02	1643.99
225.0	1758.72	1688.67	1619.63	1538.20	1419.81	1272.19	1126.19	978.15	829.71
247.5	1140.60	1026.08	878.25	707.67	584.01	478.82	380.95	295.86	237.38
270.0	722.70	519.03	435.37	369.57	330.18	304.39	251.59	203.67	169.35
292.5	1140.60	1026.08	878.25	707.67	584.01	478.82	380.95	295.86	237.38
315.0	1758.72	1688.67	1619.63	1538.20	1419.81	1272.19	1126.19	978.15	829.71
337.5	2738.50	2668.04	2587.02	2482.03	2353.70	2209.73	2044.64	1831.02	1643.99
360.0	5425.42	5395.78	5302.98	5103.98	4843.85	4501.90	3795.24	3508.92	2996.39
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2466.19	1896.00	1439.10	1037.45	621.57	389.27	237.38	175.85	145.19
22.5	3129.60	2247.70	1551.80	1070.55	750.93	301.55	217.68	188.04	168.34
45.0	2442.03	1852.34	1312.39	1064.45	527.76	393.13	290.18	236.77	204.69
67.5	962.92	586.44	427.45	320.03	247.13	211.59	187.22	169.15	145.60
90.0	378.71	315.97	269.87	229.87	195.96	178.29	159.61	144.78	135.65
112.5	962.92	586.44	427.45	320.03	247.13	211.59	187.22	169.15	145.60
135.0	2442.03	1852.34	1312.39	1064.45	527.76	393.13	290.18	236.77	204.69
157.5	3129.60	2247.70	1551.80	1070.55	750.93	301.55	217.68	188.04	168.34
180.0	2466.19	1896.00	1439.10	1037.45	621.57	389.27	237.38	175.85	145.19
202.5	1390.57	1166.59	911.14	695.69	504.20	347.64	233.93	160.22	131.18
225.0	682.90	558.22	418.92	323.68	248.55	199.00	161.43	139.50	123.87
247.5	199.81	170.57	148.24	131.58	121.63	110.87	102.34	93.41	84.27
270.0	141.33	102.75	72.49	49.34	30.66	13.40	6.50	2.23	0.61
292.5	199.81	170.57	148.24	131.58	121.63	110.87	102.34	93.41	84.27
315.0	682.90	558.22	418.92	323.68	248.55	199.00	161.43	139.50	123.87
337.5	1390.57	1166.59	911.14	695.69	504.20	347.64	233.93	160.22	131.18
360.0	2466.19	1896.00	1439.10	1037.45	621.57	389.27	237.38	175.85	145.19

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	125.49	114.12	103.76	93.41	81.63	70.87	57.06	46.30	34.11
22.5	150.88	136.05	125.09	114.73	106.61	98.69	91.78	78.99	66.60
45.0	183.16	165.29	149.66	130.98	115.75	102.75	89.14	76.55	56.45
67.5	129.55	112.50	100.92	93.61	88.13	84.88	77.77	68.03	57.87
90.0	121.84	112.09	103.76	92.80	82.65	72.49	62.14	50.56	43.46
112.5	129.55	112.50	100.92	93.61	88.13	84.88	77.77	68.03	57.87
135.0	183.16	165.29	149.66	130.98	115.75	102.75	89.14	76.55	56.45
157.5	150.88	136.05	125.09	114.73	106.61	98.69	91.78	78.99	66.60
180.0	125.49	114.12	103.76	93.41	81.63	70.87	57.06	46.30	34.11
202.5	113.92	99.70	87.72	77.16	69.85	60.92	54.01	47.92	40.41
225.0	112.70	103.76	94.42	86.10	77.57	67.82	59.29	50.16	44.06
247.5	75.95	66.60	58.48	49.55	43.86	38.18	33.10	28.23	21.52
270.0	121.84	112.09	103.76	92.80	82.65	72.49	62.14	50.56	43.46
292.5	75.95	66.60	58.48	49.55	43.86	38.18	33.10	28.23	21.52
315.0	112.70	103.76	94.42	86.10	77.57	67.82	59.29	50.16	44.06
337.5	113.92	99.70	87.72	77.16	69.85	60.92	54.01	47.92	40.41
360.0	125.49	114.12	103.76	93.41	81.63	70.87	57.06	46.30	34.11
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	27.01	22.34	19.70	17.67	16.45	15.43	14.82	13.81	13.40
22.5	60.72	57.47	53.61	50.16	47.11	43.05	38.38	35.33	34.32
45.0	45.49	39.80	34.52	30.26	26.40	23.15	20.51	16.85	14.62
67.5	48.13	34.32	25.79	21.73	19.29	17.46	15.84	14.21	13.00
90.0	37.57	27.01	16.85	12.59	9.14	8.12	5.08	4.67	4.26
112.5	48.13	34.32	25.79	21.73	19.29	17.46	15.84	14.21	13.00
135.0	45.49	39.80	34.52	30.26	26.40	23.15	20.51	16.85	14.62
157.5	60.72	57.47	53.61	50.16	47.11	43.05	38.38	35.33	34.32
180.0	27.01	22.34	19.70	17.67	16.45	15.43	14.82	13.81	13.40
202.5	33.51	30.05	26.80	23.76	20.71	18.88	17.67	16.04	15.03
225.0	38.78	36.55	33.10	26.60	21.52	18.68	16.25	14.01	12.39
247.5	17.46	16.45	14.62	11.17	7.72	5.28	4.06	3.25	2.84
270.0	37.57	27.01	16.85	12.59	0.20	0.41	0.41	0.41	1.02
292.5	17.46	16.45	14.62	11.17	7.72	5.28	4.06	3.25	2.84
315.0	38.78	36.55	33.10	26.60	21.52	18.68	16.25	14.01	12.39
337.5	33.51	30.05	26.80	23.76	20.71	18.88	17.67	16.04	15.03
360.0	27.01	22.34	19.70	17.67	16.45	15.43	14.82	13.81	13.40
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	13.20	13.20	13.40	13.81	14.21	14.82	15.23	15.43	15.64
22.5	33.51	32.49	30.66	27.82	25.18	23.76	22.13	20.31	17.26
45.0	12.39	10.76	9.34	8.53	7.92	7.51	6.90	6.50	6.29
67.5	11.98	11.17	10.56	10.15	9.54	9.14	8.73	8.12	7.92
90.0	4.47	4.67	5.08	5.28	5.69	6.09	6.29	6.50	6.50
112.5	11.98	11.17	10.56	10.15	9.54	9.14	8.73	8.12	7.92
135.0	12.39	10.76	9.34	8.53	7.92	7.51	6.90	6.50	6.29
157.5	33.51	32.49	30.66	27.82	25.18	23.76	22.13	20.31	17.26
180.0	13.20	13.20	13.40	13.81	14.21	14.82	15.23	15.43	15.64
202.5	14.01	13.20	12.39	11.78	11.37	10.97	10.56	10.36	9.95
225.0	11.37	10.36	9.54	8.73	7.92	7.31	7.11	6.90	6.70
247.5	2.44	2.44	2.44	2.64	2.84	3.05	3.25	3.45	3.86
270.0	1.02	1.22	1.42	1.62	1.83	2.23	2.44	2.64	2.84
292.5	2.44	2.44	2.44	2.64	2.84	3.05	3.25	3.45	3.86
315.0	11.37	10.36	9.54	8.73	7.92	7.31	7.11	6.90	6.70
337.5	14.01	13.20	12.39	11.78	11.37	10.97	10.56	10.36	9.95
360.0	13.20	13.20	13.40	13.81	14.21	14.82	15.23	15.43	15.64

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	15.43	14.62	13.61	12.59	11.57	10.56	9.95	9.54	9.14
22.5	14.42	11.98	9.95	8.53	7.72	7.31	7.11	6.90	6.90
45.0	5.89	5.69	5.28	4.67	4.47	4.26	4.26	4.26	4.06
67.5	7.31	6.70	6.29	5.48	4.87	4.06	3.86	3.25	3.05
90.0	6.50	6.29	6.09	5.48	5.28	4.67	4.26	4.47	4.47
112.5	7.31	6.70	6.29	5.48	4.87	4.06	3.86	3.25	3.05
135.0	5.89	5.69	5.28	4.67	4.47	4.26	4.26	4.26	4.06
157.5	14.42	11.98	9.95	8.53	7.72	7.31	7.11	6.90	6.90
180.0	15.43	14.62	13.61	12.59	11.57	10.56	9.95	9.54	9.14
202.5	9.75	9.34	9.14	8.93	8.93	8.93	8.93	8.93	9.14
225.0	6.70	6.90	6.90	7.11	7.31	7.51	7.92	7.92	8.33
247.5	4.06	4.67	4.87	5.28	5.48	5.89	6.09	6.50	6.90
270.0	3.25	3.45	3.86	4.26	4.47	4.87	5.28	5.69	5.89
292.5	4.06	4.67	4.87	5.28	5.48	5.89	6.09	6.50	6.90
315.0	6.70	6.90	6.90	7.11	7.31	7.51	7.92	7.92	8.33
337.5	9.75	9.34	9.14	8.93	8.93	8.93	8.93	8.93	9.14
360.0	15.43	14.62	13.61	12.59	11.57	10.56	9.95	9.54	9.14
C/ γ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	8.73	8.53	8.12	8.12	8.12	8.33	8.12	8.33	8.33
22.5	6.90	6.90	6.70	6.70	6.70	6.70	6.90	6.90	6.90
45.0	4.26	4.06	4.47	4.26	4.47	4.67	4.67	4.67	4.87
67.5	3.05	3.05	3.25	3.05	3.25	3.25	3.45	3.66	3.66
90.0	4.67	4.87	5.28	5.28	5.08	4.47	3.86	3.66	3.45
112.5	3.05	3.05	3.25	3.05	3.25	3.25	3.45	3.66	3.66
135.0	4.26	4.06	4.47	4.26	4.47	4.67	4.67	4.67	4.87
157.5	6.90	6.90	6.70	6.70	6.70	6.90	6.90	6.90	6.90
180.0	8.73	8.53	8.12	8.12	8.12	8.33	8.12	8.33	8.33
202.5	9.14	9.34	9.34	9.54	9.75	9.75	9.95	9.95	9.95
225.0	8.73	8.73	9.14	9.14	9.34	9.75	9.95	9.95	10.15
247.5	7.11	7.51	7.72	7.92	8.33	8.53	8.73	8.93	9.34
270.0	6.50	6.70	7.11	7.31	7.72	7.92	8.33	8.53	8.93
292.5	7.11	7.51	7.72	7.92	8.33	8.53	8.73	8.93	9.34
315.0	8.73	8.73	9.14	9.14	9.34	9.75	9.95	9.95	10.15
337.5	9.14	9.34	9.34	9.54	9.75	9.75	9.95	9.95	9.95
360.0	8.73	8.53	8.12	8.12	8.12	8.33	8.12	8.33	8.33
C/ γ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	8.53	8.73	8.53	8.73	8.73	8.73	8.73	8.73	8.73
22.5	6.90	6.90	7.11	7.11	7.31	7.31	7.31	7.31	7.31
45.0	5.08	5.08	5.28	5.28	5.28	5.48	5.48	5.69	5.69
67.5	3.86	3.86	4.06	4.26	4.47	4.67	4.67	4.87	4.87
90.0	3.45	3.66	3.66	3.86	3.86	4.26	4.06	4.47	4.67
112.5	3.86	3.86	4.06	4.26	4.47	4.67	4.67	4.87	4.87
135.0	5.08	5.08	5.28	5.28	5.28	5.48	5.48	5.69	5.69
157.5	6.90	6.90	7.11	7.11	7.31	7.31	7.31	7.31	7.31
180.0	8.53	8.73	8.53	8.73	8.73	8.73	8.73	8.73	8.73
202.5	10.15	10.15	10.36	10.15	10.15	10.36	10.15	10.15	10.15
225.0	10.15	10.36	10.36	10.56	10.56	10.56	10.56	10.76	10.56
247.5	9.54	9.54	9.75	9.95	9.95	10.15	10.15	10.15	10.36
270.0	8.93	9.14	9.34	9.75	9.75	9.95	10.15	10.15	10.36
292.5	9.54	9.54	9.75	9.95	9.95	10.15	10.15	10.15	10.36
315.0	10.15	10.36	10.36	10.56	10.56	10.56	10.56	10.76	10.56
337.5	10.15	10.15	10.36	10.15	10.15	10.36	10.15	10.15	10.15
360.0	8.53	8.73	8.53	8.73	8.73	8.73	8.73	8.73	8.73

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	8.73	8.73	8.53	8.53	8.53	8.53	8.53	8.53	8.53
22.5	7.51	7.31	7.31	7.51	7.31	7.72	7.51	7.51	7.51
45.0	5.89	6.09	6.09	6.29	6.29	6.29	6.50	6.50	6.50
67.5	5.08	5.28	5.08	5.28	5.28	5.48	5.69	5.69	5.69
90.0	4.87	4.87	5.08	5.28	5.28	5.28	5.48	5.48	5.48
112.5	5.08	5.28	5.08	5.28	5.28	5.48	5.69	5.69	5.69
135.0	5.89	6.09	6.09	6.29	6.29	6.29	6.50	6.50	6.50
157.5	7.51	7.31	7.31	7.51	7.31	7.72	7.51	7.51	7.51
180.0	8.73	8.73	8.53	8.53	8.53	8.53	8.53	8.53	8.53
202.5	9.95	9.95	9.75	9.75	9.75	9.54	9.54	9.54	9.34
225.0	10.56	10.56	10.36	10.36	10.36	10.36	10.36	10.15	10.15
247.5	10.36	10.36	10.36	10.36	10.36	10.15	10.15	10.15	10.36
270.0	10.36	10.56	10.36	10.36	10.36	10.36	10.36	10.36	10.36
292.5	10.36	10.36	10.36	10.36	10.36	10.15	10.15	10.15	10.36
315.0	10.56	10.56	10.36	10.36	10.36	10.36	10.36	10.15	10.15
337.5	9.95	9.95	9.75	9.75	9.75	9.54	9.54	9.54	9.34
360.0	8.73	8.73	8.53	8.53	8.53	8.53	8.53	8.53	8.53
C/ γ (°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	8.33	8.33	8.33	8.12	8.33	8.33	8.12	8.12	8.12
22.5	7.51	7.51	7.72	7.51	7.72	7.51	7.72	7.72	7.72
45.0	6.50	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.90
67.5	5.89	5.89	6.09	6.09	6.09	6.29	6.29	6.50	6.50
90.0	5.89	5.89	5.89	5.89	6.09	6.29	6.09	6.29	6.50
112.5	5.89	5.89	6.09	6.09	6.09	6.29	6.29	6.50	6.50
135.0	6.50	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.90
157.5	7.51	7.51	7.72	7.51	7.72	7.51	7.72	7.72	7.72
180.0	8.33	8.33	8.33	8.12	8.33	8.33	8.12	8.12	8.12
202.5	9.34	9.34	9.34	9.34	9.14	9.14	9.14	9.14	9.14
225.0	9.95	9.95	9.95	9.95	9.75	9.75	9.75	9.54	9.54
247.5	10.15	10.15	10.15	10.15	10.15	10.15	9.95	9.95	9.75
270.0	10.36	10.36	10.36	10.36	10.36	10.36	10.15	10.15	10.15
292.5	10.15	10.15	10.15	10.15	10.15	10.15	9.95	9.95	9.75
315.0	9.95	9.95	9.95	9.95	9.75	9.75	9.75	9.54	9.54
337.5	9.34	9.34	9.34	9.34	9.14	9.14	9.14	9.14	9.14
360.0	8.33	8.33	8.33	8.12	8.33	8.33	8.12	8.12	8.12
C/ γ (°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	8.33	8.12	8.12	7.92	8.12	8.12	8.12	8.12	7.92
22.5	7.72	7.92	7.72	7.72	7.72	7.72	7.72	7.72	7.72
45.0	6.90	7.11	7.11	7.11	7.31	7.11	7.31	7.31	7.31
67.5	6.50	6.70	6.70	6.90	6.70	7.11	6.90	7.11	7.11
90.0	6.50	6.70	6.70	6.70	6.90	6.90	6.90	7.11	7.11
112.5	6.50	6.70	6.70	6.90	6.70	7.11	6.90	7.11	7.11
135.0	6.90	7.11	7.11	7.11	7.31	7.11	7.31	7.31	7.31
157.5	7.72	7.92	7.72	7.72	7.72	7.72	7.72	7.72	7.72
180.0	8.33	8.12	8.12	7.92	8.12	8.12	8.12	8.12	7.92
202.5	8.93	8.93	8.73	8.73	8.73	8.73	8.73	8.33	8.53
225.0	9.54	9.54	9.34	9.34	9.14	9.14	8.93	8.93	8.93
247.5	9.95	9.75	9.75	9.75	9.54	9.54	9.34	9.14	9.14
270.0	9.95	9.95	9.75	9.95	9.75	9.75	9.54	9.34	9.34
292.5	9.95	9.75	9.75	9.75	9.54	9.54	9.34	9.14	9.14
315.0	9.54	9.54	9.34	9.34	9.14	9.14	8.93	8.93	8.93
337.5	8.93	8.93	8.73	8.73	8.73	8.73	8.73	8.33	8.53
360.0	8.33	8.12	8.12	7.92	8.12	8.12	8.12	8.12	7.92

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	7.92	7.72	7.72	7.72	7.72	7.51	7.51	7.51	7.51
22.5	7.72	7.72	7.72	7.72	7.72	7.51	7.51	7.72	7.51
45.0	7.31	7.31	7.31	7.31	7.51	7.31	7.51	7.31	7.31
67.5	7.11	7.11	7.11	7.11	7.11	7.11	7.31	7.31	7.31
90.0	6.90	7.11	7.31	7.31	7.11	7.31	7.31	7.51	7.31
112.5	7.11	7.11	7.11	7.11	7.11	7.11	7.31	7.31	7.31
135.0	7.31	7.31	7.31	7.31	7.51	7.31	7.51	7.31	7.31
157.5	7.72	7.72	7.72	7.72	7.72	7.51	7.51	7.72	7.51
180.0	7.92	7.72	7.72	7.72	7.72	7.51	7.51	7.51	7.51
202.5	8.33	8.33	8.12	8.12	8.12	8.12	8.12	7.92	7.92
225.0	8.53	8.73	8.53	8.53	8.53	8.33	8.12	8.33	8.12
247.5	9.14	8.93	8.73	8.93	8.73	8.53	8.53	8.33	8.33
270.0	9.14	9.14	8.93	9.14	8.93	8.93	8.73	8.53	8.33
292.5	9.14	8.93	8.73	8.93	8.73	8.53	8.53	8.33	8.33
315.0	8.53	8.73	8.53	8.53	8.53	8.33	8.12	8.33	8.12
337.5	8.33	8.33	8.12	8.12	8.12	8.12	8.12	7.92	7.92
360.0	7.92	7.72	7.72	7.72	7.72	7.51	7.51	7.51	7.51
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	7.51	7.51	7.51	7.72	7.51	7.72	7.92	8.12	8.12
22.5	7.51	7.72	7.31	7.72	7.51	7.72	7.72	7.92	7.92
45.0	7.31	7.31	7.31	7.51	7.51	7.72	7.72	7.72	7.92
67.5	7.31	7.31	7.51	7.31	7.51	7.51	7.72	7.72	7.92
90.0	7.31	7.31	7.51	7.51	7.51	7.72	7.72	7.92	7.92
112.5	7.31	7.31	7.51	7.31	7.51	7.51	7.72	7.72	7.92
135.0	7.31	7.31	7.31	7.51	7.51	7.72	7.72	7.72	7.92
157.5	7.51	7.72	7.31	7.72	7.51	7.72	7.72	7.92	7.92
180.0	7.51	7.51	7.51	7.72	7.51	7.72	7.92	8.12	8.12
202.5	7.72	7.92	7.72	7.92	7.92	7.92	7.92	7.92	7.92
225.0	8.12	8.12	7.92	7.92	7.92	7.92	7.92	7.92	7.92
247.5	8.12	8.12	8.12	8.12	7.92	7.92	7.92	7.92	7.92
270.0	8.33	8.53	8.33	7.92	8.12	8.12	8.12	8.12	7.92
292.5	8.12	8.12	8.12	8.12	7.92	7.92	7.92	7.92	7.92
315.0	8.12	8.12	7.92	7.92	7.92	7.92	7.92	7.92	7.92
337.5	7.72	7.92	7.72	7.92	7.92	7.92	7.92	7.92	7.92
360.0	7.51	7.51	7.51	7.72	7.51	7.72	7.92	8.12	8.12
C/γ(°)	180.0								
0.0	8.12								
22.5	8.12								
45.0	8.12								
67.5	8.12								
90.0	8.12								
112.5	8.12								
135.0	8.12								
157.5	8.12								
180.0	8.12								
202.5	8.12								
225.0	8.12								
247.5	8.12								
270.0	8.12								
292.5	8.12								
315.0	8.12								
337.5	8.12								
360.0	8.12								