



Shenzhen Anbotek Compliance Laboratory Ltd

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

Shenzhen Tianya lighting Co., LTD

LumCAT:

Luminaire: TY-BUH-150CW-B120

Report No:

Voltage(V): 220.0300

Test No:

Current(A): 0.6470

LampCAT:

Power (W): 140.1000

Lamp flux(lm)

PF: 0.9838

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 18753.08

Lumens(lm)/Power(W): 133.85

Central intensity(cd): 7166.056

Maximum intensity(cd): 7444.330

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

Beam Angle(50%Imax): [C0/180]Total=108.6

[C90/270]Total=106.9

Field angle(10%Imax): [C0/180]Total=149.9

[C90/270]Total=149.1

Maximum s/h(1/2): C0_180=1.31 C90_270=1.28

Maximum s/h(1/4): C0_180=1.40 C90_270=1.39

Up flux rate of LUM(%): 0.76%

Down flux rate of LUM(%): 99.24%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 84.413%

Equipment:
Temperature(°C): 25.0

Date: 2018-1-9
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	7166.055	.000	.000	.000%	.000%	.000%
1.0	7200.459	6.874	6.874	.037%	.037%	.037%
2.0	7196.650	20.664	27.538	.110%	.147%	.147%
3.0	7190.049	34.408	61.946	.183%	.330%	.330%
4.0	7180.654	48.103	110.050	.257%	.587%	.587%
5.0	7170.245	61.737	171.787	.329%	.916%	.916%
6.0	7157.397	75.296	247.082	.402%	1.318%	1.318%
7.0	7141.655	88.754	335.836	.473%	1.791%	1.791%
8.0	7123.502	102.093	437.929	.544%	2.335%	2.335%
9.0	7103.827	115.305	553.234	.615%	2.950%	2.950%
10.0	7081.737	128.374	681.608	.685%	3.635%	3.635%
11.0	7057.388	141.279	822.887	.753%	4.388%	4.388%
12.0	7030.640	154.002	976.889	.821%	5.209%	5.209%
13.0	7002.469	166.538	1143.427	.888%	6.097%	6.097%
14.0	6970.858	178.857	1322.284	.954%	7.051%	7.051%
15.0	6934.703	190.902	1513.186	1.018%	8.069%	8.069%
16.0	6898.128	202.690	1715.876	1.081%	9.150%	9.150%
17.0	6858.151	214.222	1930.098	1.142%	10.292%	10.292%
18.0	6819.561	225.516	2155.614	1.203%	11.495%	11.495%
19.0	6775.750	236.531	2392.145	1.261%	12.756%	12.756%
20.0	6731.051	247.212	2639.356	1.318%	14.074%	14.074%
21.0	6680.029	257.520	2896.876	1.373%	15.447%	15.447%
22.0	6632.537	267.522	3164.398	1.427%	16.874%	16.874%
23.0	6579.078	277.215	3441.613	1.478%	18.352%	18.352%
24.0	6524.263	286.486	3728.099	1.528%	19.880%	19.880%
25.0	6466.450	295.380	4023.480	1.575%	21.455%	21.455%
26.0	6407.417	303.889	4327.369	1.620%	23.076%	23.076%
27.0	6341.555	311.907	4639.275	1.663%	24.739%	24.739%
28.0	6279.504	319.538	4958.813	1.704%	26.443%	26.443%
29.0	6211.078	326.789	5285.603	1.743%	28.185%	28.185%
30.0	6140.493	333.490	5619.092	1.778%	29.964%	29.964%
31.0	6065.313	339.670	5958.762	1.811%	31.775%	31.775%
32.0	5990.160	345.375	6304.137	1.842%	33.617%	33.617%
33.0	5907.896	350.521	6654.658	1.869%	35.486%	35.486%
34.0	5821.824	354.976	7009.634	1.893%	37.379%	37.379%
35.0	5736.895	358.971	7368.605	1.914%	39.293%	39.293%
36.0	5652.258	362.633	7731.238	1.934%	41.227%	41.227%
37.0	5559.457	365.663	8096.901	1.950%	43.176%	43.176%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	5465.299	367.992	8464.893	1.962%	45.139%	45.139%
39.0	5370.074	369.841	8834.733	1.972%	47.111%	47.111%
40.0	5270.418	371.103	9205.836	1.979%	49.090%	49.090%
41.0	5170.255	371.787	9577.623	1.983%	51.072%	51.072%
42.0	5068.543	371.993	9949.616	1.984%	53.056%	53.056%
43.0	4956.547	371.359	10320.970	1.980%	55.036%	55.036%
44.0	4846.368	369.989	10690.960	1.973%	57.009%	57.009%
45.0	4734.500	368.204	11059.170	1.963%	58.973%	58.973%
46.0	4613.238	365.570	11424.740	1.949%	60.922%	60.922%
47.0	4461.203	360.914	11785.650	1.925%	62.846%	62.846%
48.0	4329.886	355.382	12141.030	1.895%	64.742%	64.742%
49.0	4191.434	349.933	12490.970	1.866%	66.608%	66.608%
50.0	4079.681	344.851	12835.820	1.839%	68.446%	68.446%
51.0	3937.624	339.200	13175.020	1.809%	70.255%	70.255%
52.0	3797.877	331.936	13506.950	1.770%	72.025%	72.025%
53.0	3651.213	324.035	13830.990	1.728%	73.753%	73.753%
54.0	3506.643	315.488	14146.480	1.682%	75.436%	75.436%
55.0	3357.654	306.411	14452.890	1.634%	77.069%	77.069%
56.0	3208.971	296.727	14749.610	1.582%	78.652%	78.652%
57.0	3060.110	286.637	15036.250	1.528%	80.180%	80.180%
58.0	2905.980	275.893	15312.140	1.471%	81.651%	81.651%
59.0	2757.893	264.790	15576.930	1.412%	83.063%	83.063%
60.0	2598.724	253.065	15830.000	1.349%	84.413%	84.413%
61.0	2441.865	240.547	16070.550	1.283%	85.696%	85.696%
62.0	2277.388	227.402	16297.950	1.213%	86.908%	86.908%
63.0	2118.473	213.794	16511.740	1.140%	88.048%	88.048%
64.0	1959.862	200.122	16711.860	1.067%	89.115%	89.115%
65.0	1805.110	186.325	16898.190	.994%	90.109%	90.109%
66.0	1661.010	172.937	17071.130	.922%	91.031%	91.031%
67.0	1517.100	159.804	17230.930	.852%	91.883%	91.883%
68.0	1375.221	146.516	17377.450	.781%	92.665%	92.665%
69.0	1244.602	133.651	17511.100	.713%	93.377%	93.377%
70.0	1129.852	121.948	17633.040	.650%	94.027%	94.027%
71.0	1028.623	111.562	17744.610	.595%	94.622%	94.622%
72.0	932.534	101.974	17846.580	.544%	95.166%	95.166%
73.0	867.498	94.129	17940.710	.502%	95.668%	95.668%
74.0	768.350	86.001	18026.710	.459%	96.127%	96.127%
75.0	698.668	77.512	18104.220	.413%	96.540%	96.540%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	631.752	70.624	18174.850	.377%	96.917%	96.917%
77.0	571.845	64.170	18239.020	.342%	97.259%	97.259%
78.0	511.874	58.012	18297.030	.309%	97.568%	97.568%
79.0	457.501	52.084	18349.110	.278%	97.846%	97.846%
80.0	406.988	46.607	18395.720	.249%	98.094%	98.094%
81.0	359.509	41.451	18437.170	.221%	98.315%	98.315%
82.0	309.262	36.266	18473.440	.193%	98.509%	98.509%
83.0	264.601	31.196	18504.630	.166%	98.675%	98.675%
84.0	219.344	26.364	18531.000	.141%	98.816%	98.816%
85.0	177.476	21.658	18552.650	.115%	98.931%	98.931%
86.0	141.117	17.415	18570.070	.093%	99.024%	99.024%
87.0	111.487	13.825	18583.890	.074%	99.098%	99.098%
88.0	87.367	10.893	18594.790	.058%	99.156%	99.156%
89.0	71.485	8.707	18603.490	.046%	99.202%	99.202%
90.0	63.653	7.409	18610.900	.040%	99.242%	99.242%
91.0	58.575	6.702	18617.600	.036%	99.278%	99.278%
92.0	54.004	6.171	18623.770	.033%	99.311%	99.311%
93.0	50.031	5.699	18629.470	.030%	99.341%	99.341%
94.0	46.794	5.299	18634.770	.028%	99.369%	99.369%
95.0	43.772	4.950	18639.720	.026%	99.396%	99.396%
96.0	41.056	4.630	18644.350	.025%	99.420%	99.420%
97.0	38.555	4.337	18648.690	.023%	99.443%	99.443%
98.0	36.473	4.079	18652.770	.022%	99.465%	99.465%
99.0	34.505	3.849	18656.620	.021%	99.486%	99.486%
100.0	32.728	3.636	18660.250	.019%	99.505%	99.505%
101.0	31.077	3.440	18663.690	.018%	99.523%	99.523%
102.0	29.706	3.266	18666.960	.017%	99.541%	99.541%
103.0	28.373	3.109	18670.070	.017%	99.557%	99.557%
104.0	27.116	2.958	18673.030	.016%	99.573%	99.573%
105.0	25.949	2.817	18675.840	.015%	99.588%	99.588%
106.0	24.882	2.686	18678.530	.014%	99.602%	99.602%
107.0	23.905	2.565	18681.090	.014%	99.616%	99.616%
108.0	22.927	2.449	18683.540	.013%	99.629%	99.629%
109.0	22.064	2.339	18685.880	.012%	99.642%	99.642%
110.0	21.251	2.239	18688.120	.012%	99.654%	99.654%
111.0	20.401	2.139	18690.260	.011%	99.665%	99.665%
112.0	19.728	2.047	18692.310	.011%	99.676%	99.676%
113.0	19.081	1.966	18694.270	.010%	99.686%	99.686%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	18.497	1.889	18696.160	.010%	99.697%	99.697%
115.0	17.875	1.815	18697.980	.010%	99.706%	99.706%
116.0	17.481	1.750	18699.730	.009%	99.716%	99.716%
117.0	17.100	1.697	18701.420	.009%	99.725%	99.725%
118.0	16.745	1.646	18703.070	.009%	99.733%	99.733%
119.0	16.491	1.601	18704.670	.009%	99.742%	99.742%
120.0	16.237	1.562	18706.230	.008%	99.750%	99.750%
121.0	16.085	1.527	18707.760	.008%	99.758%	99.758%
122.0	15.919	1.496	18709.260	.008%	99.766%	99.766%
123.0	15.793	1.466	18710.720	.008%	99.774%	99.774%
124.0	15.729	1.441	18712.170	.008%	99.782%	99.782%
125.0	15.754	1.423	18713.590	.008%	99.789%	99.789%
126.0	15.691	1.404	18714.990	.007%	99.797%	99.797%
127.0	15.640	1.381	18716.370	.007%	99.804%	99.804%
128.0	15.628	1.360	18717.730	.007%	99.812%	99.812%
129.0	15.666	1.343	18719.080	.007%	99.819%	99.819%
130.0	15.653	1.325	18720.400	.007%	99.826%	99.826%
131.0	15.691	1.307	18721.710	.007%	99.833%	99.833%
132.0	15.729	1.290	18723.000	.007%	99.840%	99.840%
133.0	15.704	1.271	18724.270	.007%	99.846%	99.846%
134.0	15.805	1.253	18725.520	.007%	99.853%	99.853%
135.0	15.729	1.233	18726.760	.007%	99.860%	99.860%
136.0	15.793	1.211	18727.970	.006%	99.866%	99.866%
137.0	15.780	1.192	18729.160	.006%	99.872%	99.872%
138.0	15.716	1.167	18730.320	.006%	99.879%	99.879%
139.0	15.742	1.143	18731.470	.006%	99.885%	99.885%
140.0	15.704	1.120	18732.590	.006%	99.891%	99.891%
141.0	15.640	1.093	18733.680	.006%	99.897%	99.897%
142.0	15.564	1.065	18734.740	.006%	99.902%	99.902%
143.0	15.475	1.036	18735.780	.006%	99.908%	99.908%
144.0	15.399	1.007	18736.790	.005%	99.913%	99.913%
145.0	15.272	.977	18737.760	.005%	99.918%	99.918%
146.0	15.069	.942	18738.710	.005%	99.923%	99.923%
147.0	14.790	.904	18739.610	.005%	99.928%	99.928%
148.0	14.523	.864	18740.470	.005%	99.933%	99.933%
149.0	14.218	.823	18741.300	.004%	99.937%	99.937%
150.0	13.812	.780	18742.080	.004%	99.941%	99.941%
151.0	13.254	.731	18742.810	.004%	99.945%	99.945%

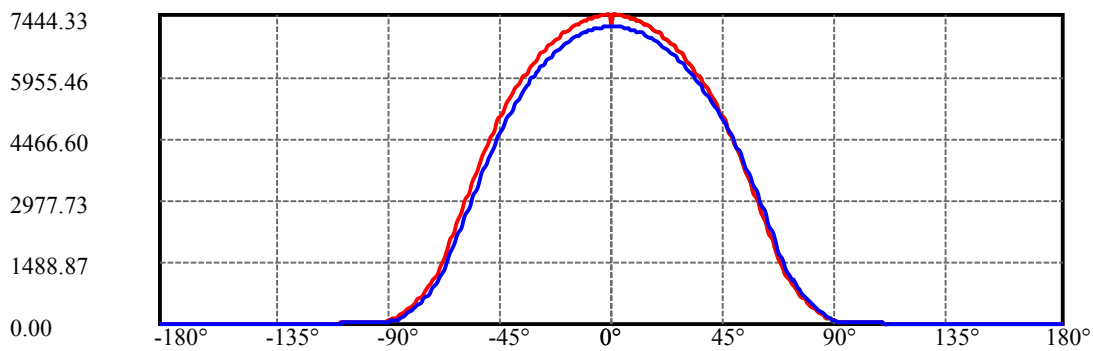
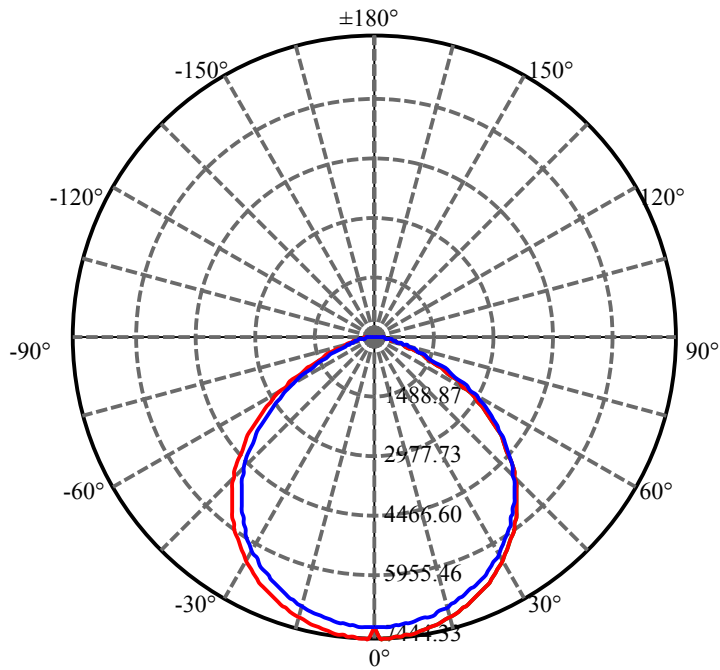
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	12.936	.685	18743.490	.004%	99.949%	99.949%
153.0	12.758	.651	18744.140	.003%	99.952%	99.952%
154.0	12.746	.624	18744.770	.003%	99.956%	99.956%
155.0	12.822	.604	18745.370	.003%	99.959%	99.959%
156.0	12.911	.585	18745.960	.003%	99.962%	99.962%
157.0	12.962	.566	18746.520	.003%	99.965%	99.965%
158.0	13.038	.546	18747.070	.003%	99.968%	99.968%
159.0	13.076	.525	18747.590	.003%	99.971%	99.971%
160.0	13.165	.504	18748.100	.003%	99.973%	99.973%
161.0	13.190	.482	18748.580	.003%	99.976%	99.976%
162.0	13.114	.458	18749.040	.002%	99.978%	99.978%
163.0	13.114	.432	18749.470	.002%	99.981%	99.981%
164.0	13.139	.409	18749.880	.002%	99.983%	99.983%
165.0	13.127	.385	18750.260	.002%	99.985%	99.985%
166.0	13.152	.361	18750.620	.002%	99.987%	99.987%
167.0	13.139	.337	18750.960	.002%	99.989%	99.989%
168.0	13.177	.312	18751.270	.002%	99.990%	99.990%
169.0	13.139	.288	18751.560	.002%	99.992%	99.992%
170.0	13.190	.263	18751.820	.001%	99.993%	99.993%
171.0	13.114	.238	18752.060	.001%	99.995%	99.995%
172.0	13.089	.212	18752.270	.001%	99.996%	99.996%
173.0	13.127	.188	18752.460	.001%	99.997%	99.997%
174.0	13.165	.163	18752.620	.001%	99.998%	99.998%
175.0	13.190	.139	18752.760	.001%	99.998%	99.998%
176.0	13.342	.114	18752.880	.001%	99.999%	99.999%
177.0	13.393	.089	18752.960	.000%	99.999%	99.999%
178.0	13.546	.064	18753.030	.000%	100.000%	100.000%
179.0	13.634	.039	18753.070	.000%	100.000%	100.000%
180.0	13.609	.013	18753.080	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	5619.09	29.96%
0-40	9205.84	49.09%
0-60	15830.00	84.41%
0-90	18610.90	99.24%
0-120	18706.23	99.75%
0-180	18753.08	100.00%
60-90	3033.97	16.18%
90-120	102.74	0.55%
90-130	116.91	0.62%
90-150	138.58	0.74%
90-180	149.58	0.80%
0-56.88	15002.47	80.00%

ZONAL LUMEN SUMMARY

0-10	681.61
10-20	1957.75
20-30	2979.74
30-40	3586.74
40-50	3629.98
50-60	2994.18
60-70	1803.05
70-80	762.67
80-90	215.18
90-100	49.35
100-110	27.87
110-120	18.11
120-130	14.17
130-140	12.19
140-150	9.49
150-160	6.02
160-170	3.73
170-180	1.25



C0(Max): ———

C0/C180: ———

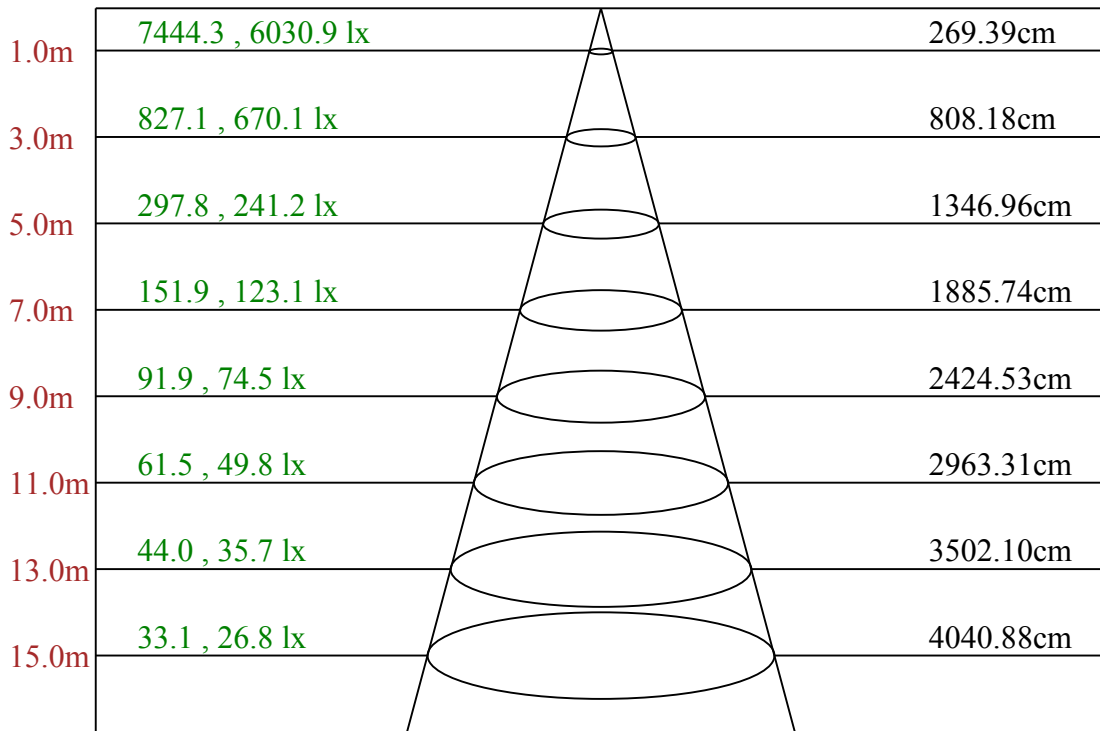
C90/C270: ———

Field angle(10%Imax):C0/180Left:74.9 Right:74.9

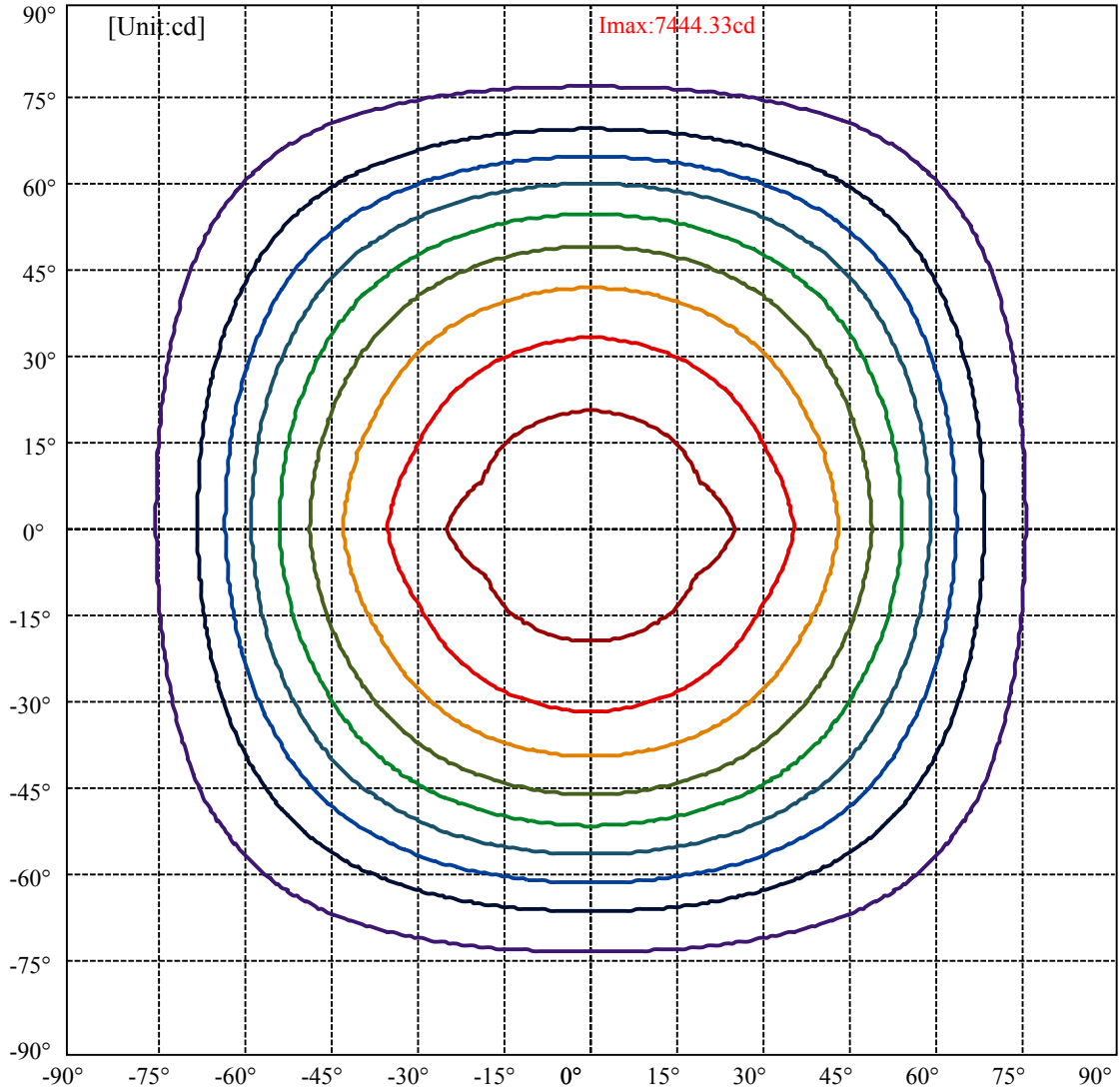
:C90/270Left:72.9 Right:76.3

Beam Angle(50%Imax):C0/180Left:54.3 Right:54.3

:C90/270Left:51.9 Right:55.1



Max , Ave Beam angle of C0plane106.82

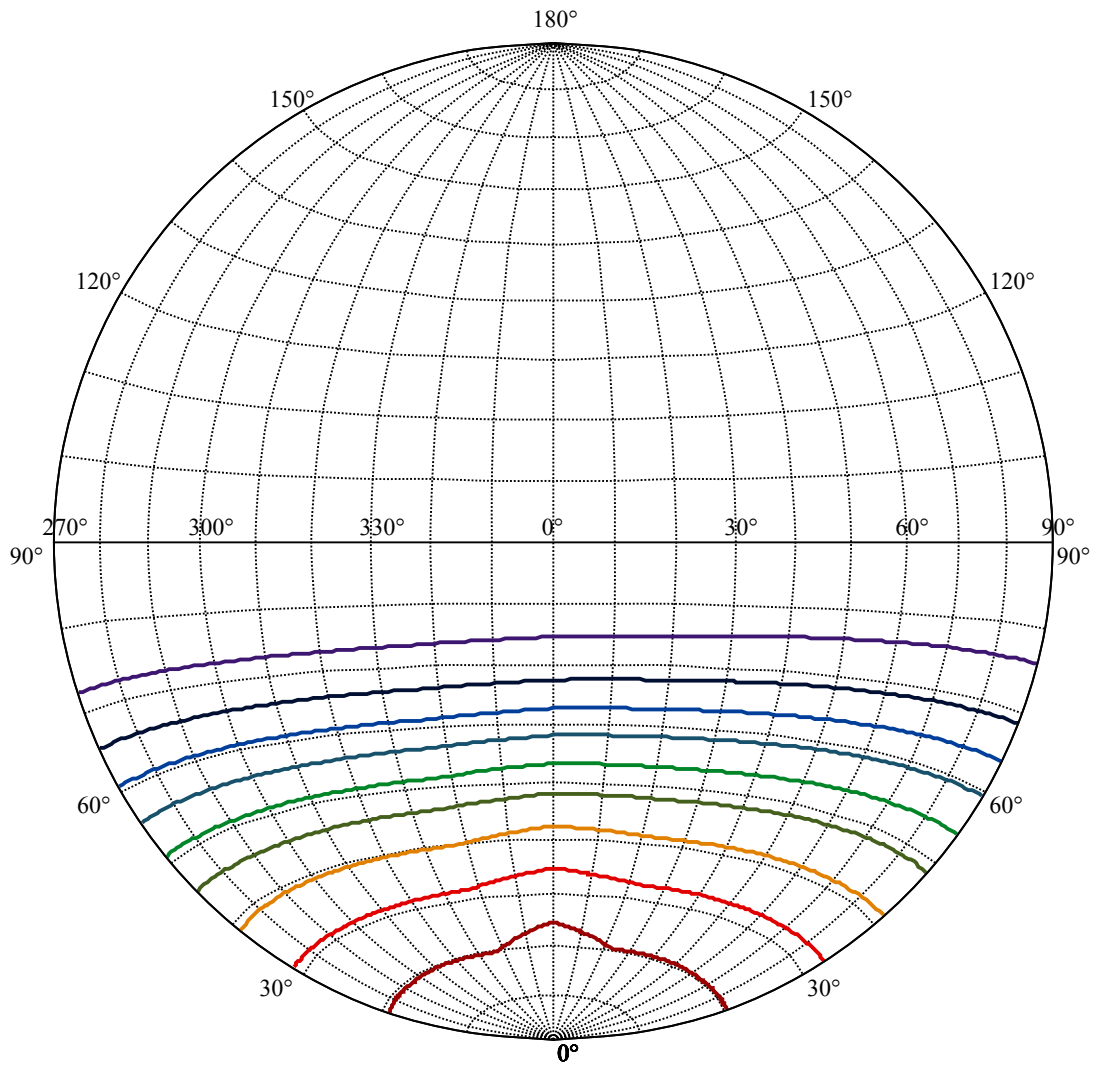


(10%Imax) 744.433	—
(20%Imax) 1488.87	—
(30%Imax) 2233.3	—
(40%Imax) 2977.73	—
(50%Imax) 3722.17	—
(60%Imax) 4466.6	—
(70%Imax) 5211.03	—
(80%Imax) 5955.46	—
(90%Imax) 6699.9	—

Equipment:
Temperature(°C): 25.0

Date: 2018-1-9
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25



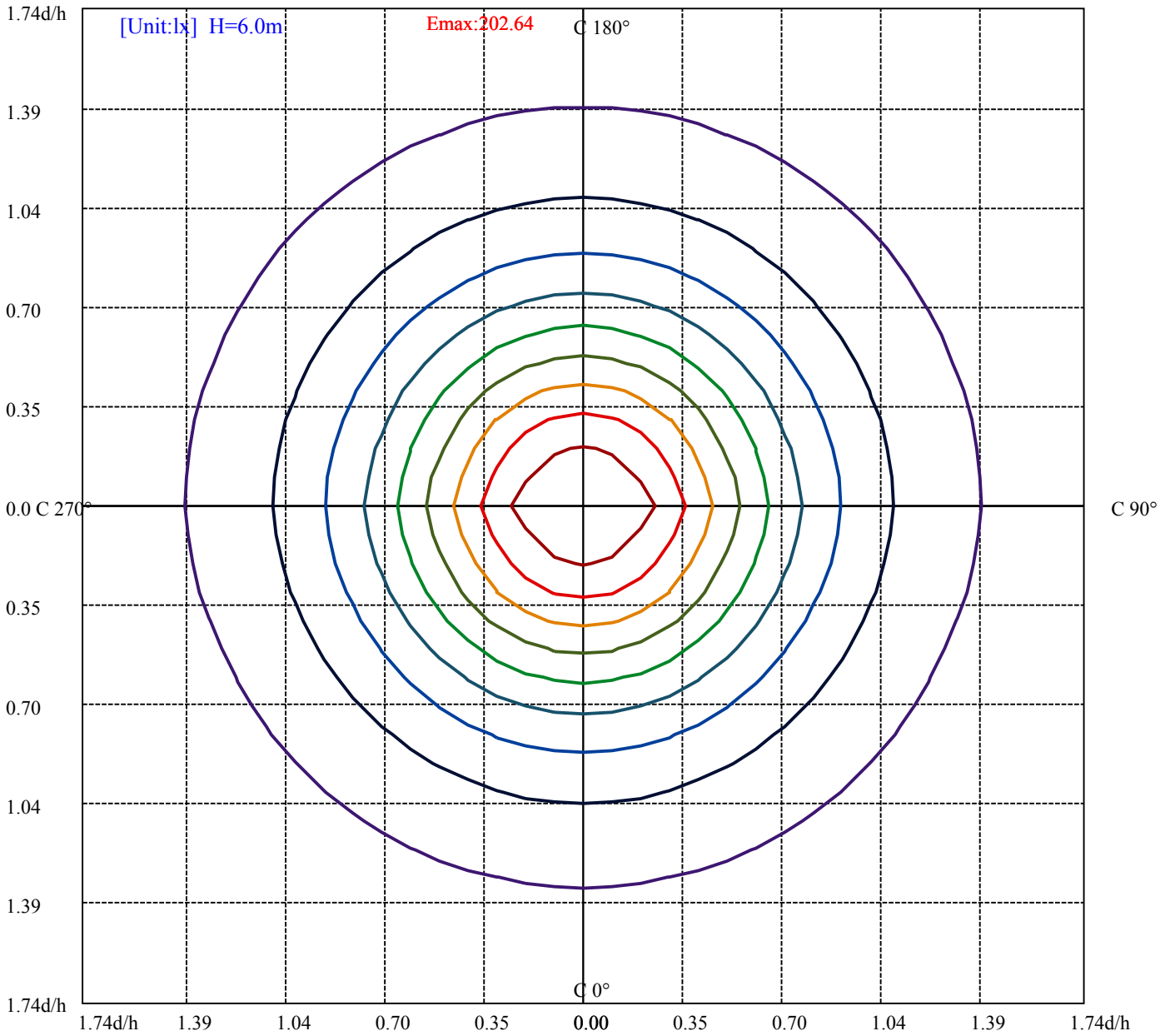
House

[Unit:cd]

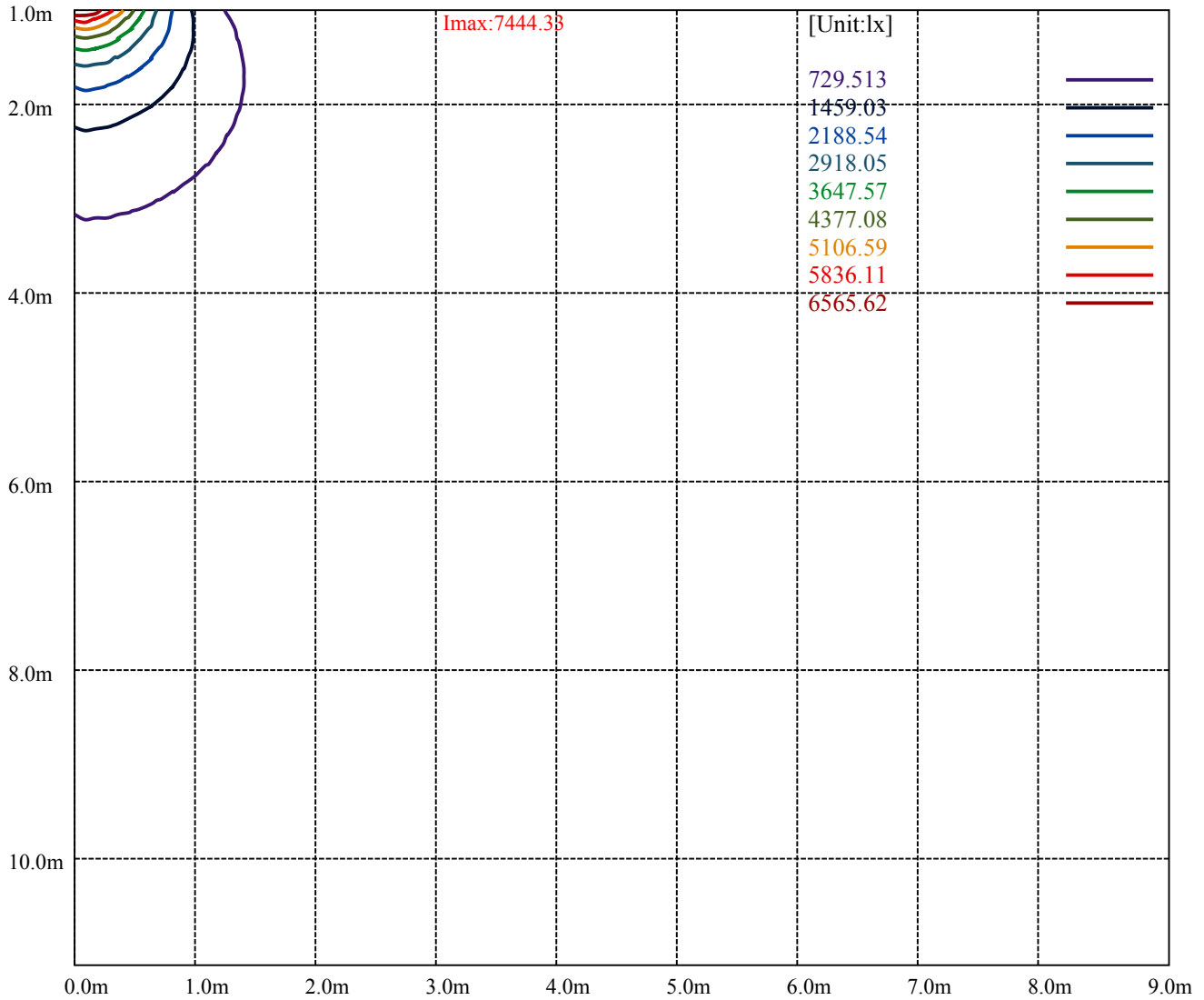
Road

Imax:7444.33

(10%Imax) 744.433	—
(20%Imax) 1488.87	—
(30%Imax) 2233.3	—
(40%Imax) 2977.73	—
(50%Imax) 3722.17	—
(60%Imax) 4466.6	—
(70%Imax) 5211.03	—
(80%Imax) 5955.46	—
(90%Imax) 6699.9	—



(10%Emax) 20.26419	—
(20%Emax) 40.52834	—
(30%Emax) 60.7925	—
(40%Emax) 81.05695	—
(50%Emax) 101.3211	—
(60%Emax) 121.5853	—
(70%Emax) 141.8494	—
(80%Emax) 162.1136	—
(90%Emax) 182.3778	—



Luminance Table

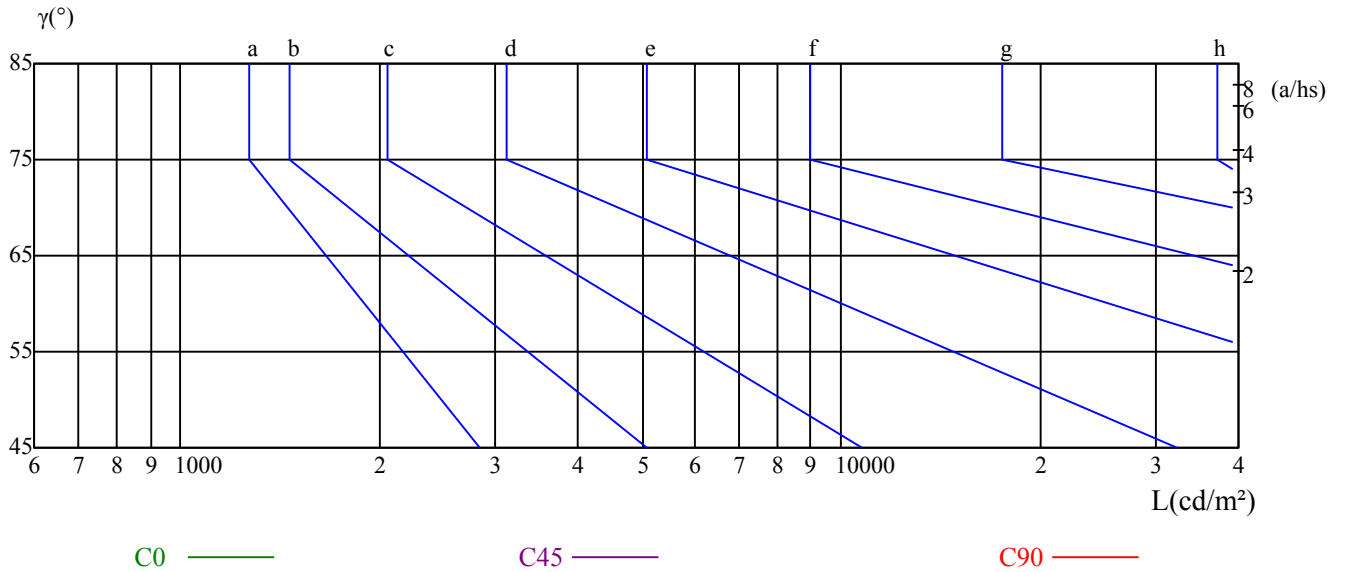
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

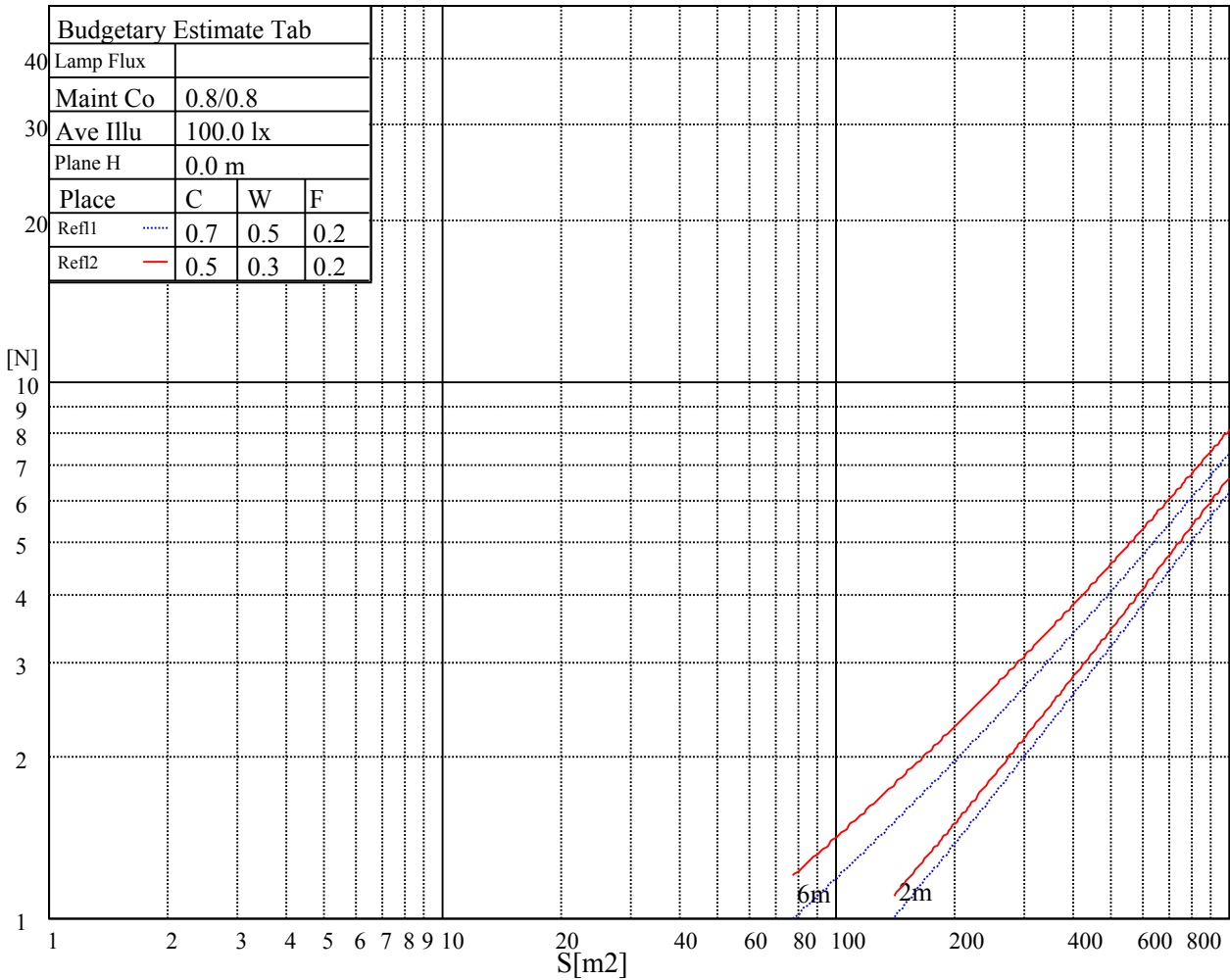
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

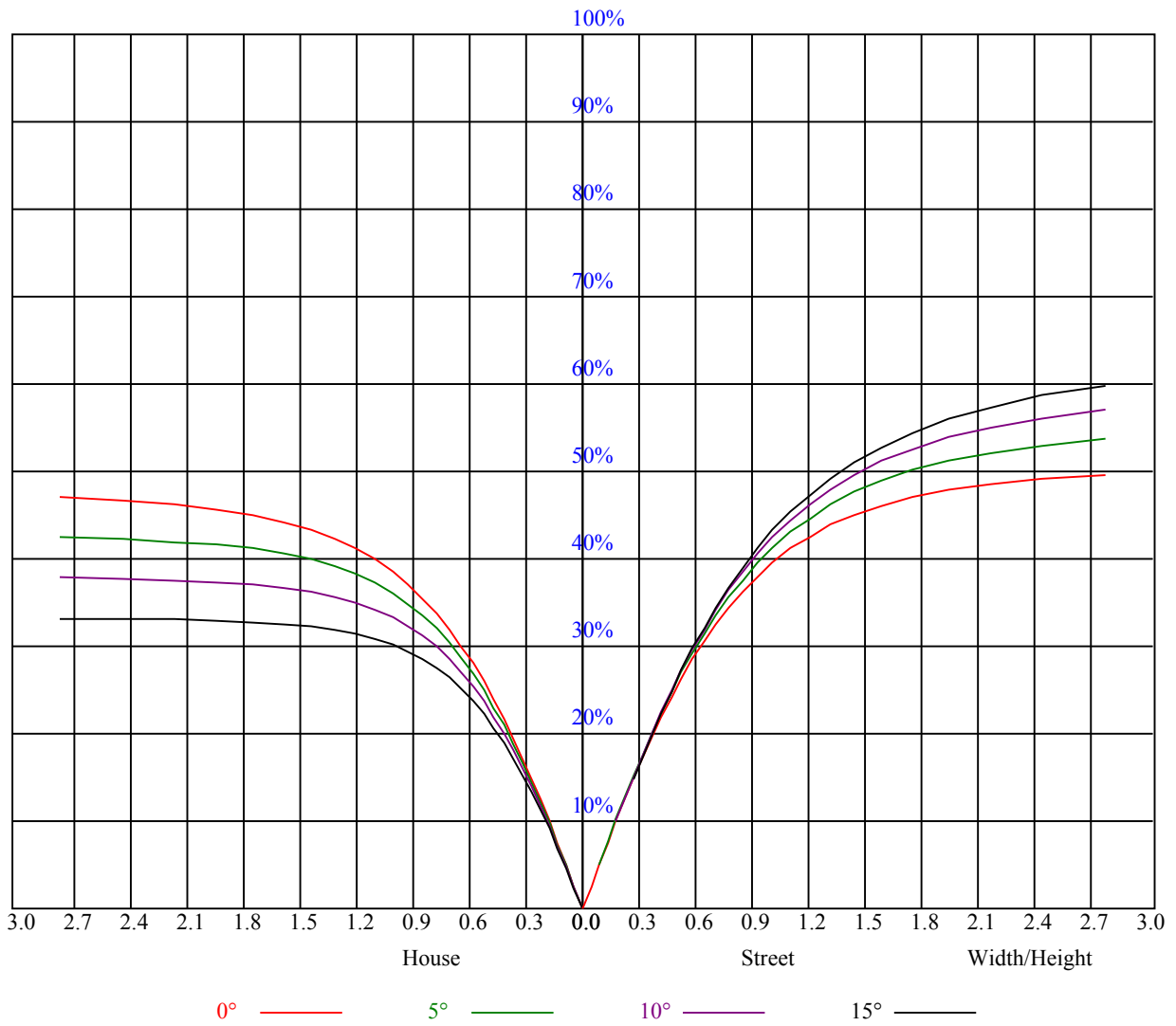
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

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	1.01	1.01	1.01	0.99
1	1.05	1.01	0.98	1.03	0.99	0.96	0.99	0.96	0.93	0.95	0.92	0.90	0.91	0.89	0.87	0.85
2	0.93	0.86	0.81	0.91	0.85	0.80	0.87	0.82	0.78	0.84	0.80	0.76	0.81	0.77	0.74	0.72
3	0.82	0.74	0.68	0.80	0.73	0.68	0.77	0.71	0.66	0.75	0.69	0.65	0.72	0.68	0.64	0.62
4	0.73	0.65	0.58	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.65	0.59	0.55	0.53
5	0.65	0.57	0.50	0.64	0.56	0.50	0.62	0.55	0.50	0.60	0.54	0.49	0.58	0.53	0.48	0.46
6	0.59	0.50	0.44	0.58	0.50	0.44	0.56	0.49	0.44	0.55	0.48	0.43	0.53	0.47	0.43	0.41
7	0.54	0.45	0.39	0.53	0.45	0.39	0.51	0.44	0.39	0.50	0.43	0.38	0.48	0.42	0.38	0.36
8	0.49	0.41	0.35	0.48	0.40	0.35	0.47	0.40	0.35	0.46	0.39	0.34	0.44	0.39	0.34	0.32
9	0.45	0.37	0.32	0.44	0.37	0.31	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.29
10	0.42	0.34	0.29	0.41	0.34	0.29	0.40	0.33	0.28	0.39	0.33	0.28	0.38	0.32	0.28	0.26



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	7166.06	7444.33	7440.27	7433.97	7423.82	7413.66	7401.27	7382.99	7366.54
22.5	7166.06	7165.04	7161.99	7155.90	7145.74	7137.62	7125.43	7109.18	7091.92
45.0	7166.06	7168.09	7165.04	7159.96	7152.85	7141.68	7129.29	7115.07	7096.79
67.5	7166.06	7164.03	7160.98	7153.87	7140.67	7132.54	7119.34	7108.17	7089.89
90.0	7166.06	7166.06	7161.99	7157.93	7151.84	7139.65	7123.40	7104.92	7086.64
112.5	7166.06	7164.03	7160.98	7153.87	7140.67	7132.54	7119.34	7108.17	7089.89
135.0	7166.06	7168.09	7165.04	7159.96	7152.85	7141.68	7129.29	7115.07	7096.79
157.5	7166.06	7165.04	7161.99	7155.90	7145.74	7137.62	7125.43	7109.18	7091.92
180.0	7166.06	7444.33	7440.27	7433.97	7423.82	7413.66	7401.27	7382.99	7366.54
202.5	7166.06	7166.06	7160.98	7155.09	7146.96	7133.76	7121.78	7105.53	7088.46
225.0	7166.06	7167.07	7161.99	7154.88	7144.73	7134.57	7121.37	7106.34	7085.01
247.5	7166.06	7163.01	7159.96	7151.84	7142.70	7131.53	7119.34	7103.09	7084.81
270.0	7166.06	7166.06	7161.99	7151.84	7143.71	7133.56	7119.34	7100.86	7082.57
292.5	7166.06	7163.01	7159.96	7151.84	7142.70	7131.53	7119.34	7103.09	7084.81
315.0	7166.06	7167.07	7161.99	7154.88	7144.73	7134.57	7121.37	7106.34	7085.01
337.5	7166.06	7166.06	7160.98	7155.09	7146.96	7133.76	7121.78	7105.53	7088.46
360.0	7166.06	7444.33	7440.27	7433.97	7423.82	7413.66	7401.27	7382.99	7366.54
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7346.02	7322.46	7298.08	7266.19	7234.51	7204.85	7164.03	7128.28	7087.25
22.5	7073.84	7054.54	7025.09	7003.76	6979.59	6946.08	6912.77	6879.25	6839.85
45.0	7078.51	7060.23	7033.83	7009.45	6985.08	6956.64	6918.05	6882.50	6846.96
67.5	7069.58	7050.28	7028.95	7000.31	6972.89	6943.44	6910.94	6867.27	6831.72
90.0	7066.33	7041.95	7031.79	7011.48	6972.69	6944.25	6909.72	6879.25	6834.36
112.5	7069.58	7050.28	7028.95	7000.31	6972.89	6943.44	6910.94	6867.27	6831.72
135.0	7078.51	7060.23	7033.83	7009.45	6985.08	6956.64	6918.05	6882.50	6846.96
157.5	7073.84	7054.54	7025.09	7003.76	6979.59	6946.08	6912.77	6879.25	6839.85
180.0	7346.02	7322.46	7298.08	7266.19	7234.51	7204.85	7164.03	7128.28	7087.25
202.5	7067.14	7047.03	7019.81	6994.42	6963.14	6932.88	6897.53	6860.16	6814.66
225.0	7065.72	7041.34	7017.98	6988.53	6963.14	6933.69	6895.10	6861.58	6820.14
247.5	7065.51	7037.08	7013.72	6985.28	6957.86	6917.24	6884.74	6848.17	6808.57
270.0	7062.26	7039.92	7011.48	6982.84	6954.41	6919.88	6879.25	6836.39	6797.80
292.5	7065.51	7037.08	7013.72	6985.28	6957.86	6917.24	6884.74	6848.17	6808.57
315.0	7065.72	7041.34	7017.98	6988.53	6963.14	6933.69	6895.10	6861.58	6820.14
337.5	7067.14	7047.03	7019.81	6994.42	6963.14	6932.88	6897.53	6860.16	6814.66
360.0	7346.02	7322.46	7298.08	7266.19	7234.51	7204.85	7164.03	7128.28	7087.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	7049.47	7005.39	6960.50	6906.27	6862.19	6802.88	6743.57	6687.30	6625.96
22.5	6802.27	6758.80	6716.15	6668.82	6622.10	6560.35	6510.79	6457.17	6397.45
45.0	6811.41	6768.76	6729.15	6676.34	6627.59	6578.84	6531.10	6473.42	6415.33
67.5	6795.16	6758.60	6710.87	6665.16	6619.46	6573.76	6524.00	6454.73	6404.97
90.0	6799.83	6755.15	6714.32	6669.63	6626.77	6573.96	6523.18	6474.23	6423.45
112.5	6795.16	6758.60	6710.87	6665.16	6619.46	6573.76	6524.00	6454.73	6404.97
135.0	6811.41	6768.76	6729.15	6676.34	6627.59	6578.84	6531.10	6473.42	6415.33
157.5	6802.27	6758.80	6716.15	6668.82	6622.10	6560.35	6510.79	6457.17	6397.45
180.0	7049.47	7005.39	6960.50	6906.27	6862.19	6802.88	6743.57	6687.30	6625.96
202.5	6775.25	6731.79	6685.27	6634.70	6587.37	6534.76	6483.17	6428.53	6357.84
225.0	6780.54	6734.83	6686.09	6633.27	6580.46	6529.68	6459.81	6402.94	6343.02
247.5	6763.88	6715.13	6670.45	6619.67	6570.92	6514.04	6459.20	6398.06	6334.08
270.0	6757.18	6710.26	6665.57	6602.40	6553.65	6502.67	6441.73	6384.66	6337.94
292.5	6763.88	6715.13	6670.45	6619.67	6570.92	6514.04	6459.20	6398.06	6334.08
315.0	6780.54	6734.83	6686.09	6633.27	6580.46	6529.68	6459.81	6402.94	6343.02
337.5	6775.25	6731.79	6685.27	6634.70	6587.37	6534.76	6483.17	6428.53	6357.84
360.0	7049.47	7005.39	6960.50	6906.27	6862.19	6802.88	6743.57	6687.30	6625.96

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	6565.64	6503.28	6419.39	6343.63	6278.22	6199.41	6118.57	6033.87	5944.70
22.5	6335.70	6272.94	6209.36	6145.58	6072.66	6004.82	5933.93	5831.76	5753.97
45.0	6358.66	6298.74	6236.79	6155.54	6083.43	6012.34	5931.09	5850.86	5774.69
67.5	6342.00	6277.00	6214.04	6143.96	6072.87	5998.73	5925.61	5846.19	5771.03
90.0	6346.06	6287.16	6228.05	6165.08	6095.82	6016.40	5945.31	5871.98	5780.38
112.5	6342.00	6277.00	6214.04	6143.96	6072.87	5998.73	5925.61	5846.19	5771.03
135.0	6358.66	6298.74	6236.79	6155.54	6083.43	6012.34	5931.09	5850.86	5774.69
157.5	6335.70	6272.94	6209.36	6145.58	6072.66	6004.82	5933.93	5831.76	5753.97
180.0	6565.64	6503.28	6419.39	6343.63	6278.22	6199.41	6118.57	6033.87	5944.70
202.5	6297.31	6234.55	6157.77	6090.13	6020.26	5945.51	5857.56	5778.75	5695.88
225.0	6270.91	6207.13	6141.12	6070.02	5990.81	5898.59	5811.25	5726.96	5641.85
247.5	6260.96	6203.07	6134.01	6063.93	5964.40	5899.40	5812.06	5714.56	5620.11
270.0	6256.49	6191.49	6124.26	6057.23	5983.90	5908.54	5800.89	5711.31	5605.49
292.5	6260.96	6203.07	6134.01	6063.93	5964.40	5899.40	5812.06	5714.56	5620.11
315.0	6270.91	6207.13	6141.12	6070.02	5990.81	5898.59	5811.25	5726.96	5641.85
337.5	6297.31	6234.55	6157.77	6090.13	6020.26	5945.51	5857.56	5778.75	5695.88
360.0	6565.64	6503.28	6419.39	6343.63	6278.22	6199.41	6118.57	6033.87	5944.70
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	5868.12	5773.88	5677.80	5577.66	5483.41	5378.20	5264.66	5144.81	5033.50
22.5	5673.94	5592.08	5510.02	5408.87	5314.01	5231.95	5140.96	5013.40	4917.32
45.0	5689.38	5609.15	5513.88	5429.59	5335.14	5245.77	5155.38	5060.93	4933.16
67.5	5693.85	5608.54	5526.27	5442.99	5329.25	5239.67	5150.30	5058.90	4964.44
90.0	5715.38	5607.52	5524.04	5438.73	5351.18	5247.39	5155.78	5066.21	4974.80
112.5	5693.85	5608.54	5526.27	5442.99	5329.25	5239.67	5150.30	5058.90	4964.44
135.0	5689.38	5609.15	5513.88	5429.59	5335.14	5245.77	5155.38	5060.93	4933.16
157.5	5673.94	5592.08	5510.02	5408.87	5314.01	5231.95	5140.96	5013.40	4917.32
180.0	5868.12	5773.88	5677.80	5577.66	5483.41	5378.20	5264.66	5144.81	5033.50
202.5	5602.04	5499.87	5396.89	5299.79	5203.72	5096.67	4993.49	4870.20	4749.75
225.0	5547.40	5447.06	5353.62	5259.17	5146.44	5037.97	4935.40	4810.48	4695.72
247.5	5530.74	5427.15	5324.58	5224.84	5126.33	5008.52	4883.60	4773.92	4659.97
270.0	5509.82	5428.37	5314.62	5196.61	5098.91	4999.18	4893.35	4773.31	4659.36
292.5	5530.74	5427.15	5324.58	5224.84	5126.33	5008.52	4883.60	4773.92	4659.97
315.0	5547.40	5447.06	5353.62	5259.17	5146.44	5037.97	4935.40	4810.48	4695.72
337.5	5602.04	5499.87	5396.89	5299.79	5203.72	5096.67	4993.49	4870.20	4749.75
360.0	5868.12	5773.88	5677.80	5577.66	5483.41	5378.20	5264.66	5144.81	5033.50
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	4928.09	4806.42	4639.66	4506.61	4329.29	4239.10	4086.56	3945.60	3780.87
22.5	4813.12	4704.86	4578.31	4447.10	4301.26	4171.67	4029.28	3910.86	3767.05
45.0	4839.73	4724.97	4611.22	4485.29	4351.43	4222.45	4094.48	3953.32	3800.16
67.5	4851.71	4748.12	4631.33	4518.60	4379.26	4256.37	4109.11	3979.92	3839.77
90.0	4848.67	4748.93	4649.20	4537.28	4398.96	4274.85	4146.69	4020.55	3873.90
112.5	4851.71	4748.12	4631.33	4518.60	4379.26	4256.37	4109.11	3979.92	3839.77
135.0	4839.73	4724.97	4611.22	4485.29	4351.43	4222.45	4094.48	3953.32	3800.16
157.5	4813.12	4704.86	4578.31	4447.10	4301.26	4171.67	4029.28	3910.86	3767.05
180.0	4928.09	4806.42	4639.66	4506.61	4329.29	4239.10	4086.56	3945.60	3780.87
202.5	4634.38	4505.80	4380.27	4192.18	4015.67	3949.25	3800.77	3663.26	3524.12
225.0	4575.88	4450.96	4218.79	4151.56	3985.61	3897.25	3750.81	3592.17	3465.42
247.5	4537.08	4390.83	4169.03	4042.28	3977.08	3841.80	3705.10	3545.25	3406.11
270.0	4543.38	4398.96	4272.82	4053.66	3984.80	3844.24	3703.07	3564.75	3378.49
292.5	4537.08	4390.83	4169.03	4042.28	3977.08	3841.80	3705.10	3545.25	3406.11
315.0	4575.88	4450.96	4218.79	4151.56	3985.61	3897.25	3750.81	3592.17	3465.42
337.5	4634.38	4505.80	4380.27	4192.18	4015.67	3949.25	3800.77	3663.26	3524.12
360.0	4928.09	4806.42	4639.66	4506.61	4329.29	4239.10	4086.56	3945.60	3780.87

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	3637.46	3467.86	3321.61	3161.35	3009.42	2854.03	2671.43	2501.82	2342.78
22.5	3609.43	3460.75	3320.19	3179.84	3035.22	2876.38	2699.66	2545.90	2380.97
45.0	3666.10	3532.25	3374.63	3239.76	3075.43	2946.45	2788.22	2637.91	2460.18
67.5	3707.74	3573.69	3427.44	3266.77	3126.62	2987.48	2831.08	2682.80	2521.32
90.0	3725.42	3593.18	3462.98	3328.72	3168.06	3025.47	2885.11	2732.57	2555.45
112.5	3707.74	3573.69	3427.44	3266.77	3126.62	2987.48	2831.08	2682.80	2521.32
135.0	3666.10	3532.25	3374.63	3239.76	3075.43	2946.45	2788.22	2637.91	2460.18
157.5	3609.43	3460.75	3320.19	3179.84	3035.22	2876.38	2699.66	2545.90	2380.97
180.0	3637.46	3467.86	3321.61	3161.35	3009.42	2854.03	2671.43	2501.82	2342.78
202.5	3371.99	3219.44	3077.06	2933.05	2760.80	2600.34	2463.84	2288.95	2139.26
225.0	3314.30	3152.21	3000.68	2846.11	2700.27	2551.79	2391.12	2230.05	2082.79
247.5	3265.55	3112.40	2956.00	2798.38	2638.12	2489.64	2342.98	2195.52	2001.95
270.0	3235.69	3092.09	2925.33	2782.53	2635.88	2488.62	2317.80	2171.35	2024.29
292.5	3265.55	3112.40	2956.00	2798.38	2638.12	2489.64	2342.98	2195.52	2001.95
315.0	3314.30	3152.21	3000.68	2846.11	2700.27	2551.79	2391.12	2230.05	2082.79
337.5	3371.99	3219.44	3077.06	2933.05	2760.80	2600.34	2463.84	2288.95	2139.26
360.0	3637.46	3467.86	3321.61	3161.35	3009.42	2854.03	2671.43	2501.82	2342.78
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2185.77	2029.77	1840.26	1693.00	1551.83	1406.20	1256.70	1142.95	1041.19
22.5	2228.42	2064.71	1913.18	1742.97	1592.66	1460.23	1319.87	1197.59	1105.78
45.0	2306.83	2128.29	1964.78	1819.75	1689.75	1530.51	1388.32	1266.65	1154.94
67.5	2344.41	2192.07	2037.70	1887.39	1715.55	1562.19	1427.12	1298.14	1173.22
90.0	2374.47	2217.86	2061.05	1910.54	1713.11	1591.04	1430.37	1300.17	1178.09
112.5	2344.41	2192.07	2037.70	1887.39	1715.55	1562.19	1427.12	1298.14	1173.22
135.0	2306.83	2128.29	1964.78	1819.75	1689.75	1530.51	1388.32	1266.65	1154.94
157.5	2228.42	2064.71	1913.18	1742.97	1592.66	1460.23	1319.87	1197.59	1105.78
180.0	2185.77	2029.77	1840.26	1693.00	1551.83	1406.20	1256.70	1142.95	1041.19
202.5	1980.01	1811.42	1672.49	1537.21	1398.07	1256.90	1152.91	1041.19	941.05
225.0	1915.62	1776.48	1629.83	1487.24	1370.04	1237.61	1106.39	1004.83	915.26
247.5	1859.97	1722.05	1575.19	1454.54	1315.00	1174.64	1066.17	961.57	875.45
270.0	1879.06	1690.36	1553.86	1421.43	1294.68	1155.95	1048.30	951.61	866.10
292.5	1859.97	1722.05	1575.19	1454.54	1315.00	1174.64	1066.17	961.57	875.45
315.0	1915.62	1776.48	1629.83	1487.24	1370.04	1237.61	1106.39	1004.83	915.26
337.5	1980.01	1811.42	1672.49	1537.21	1398.07	1256.90	1152.91	1041.19	941.05
360.0	2185.77	2029.77	1840.26	1693.00	1551.83	1406.20	1256.70	1142.95	1041.19
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	951.21	901.65	784.85	712.75	644.09	590.47	525.06	468.39	418.63
22.5	985.33	936.18	814.10	743.62	673.34	613.22	556.75	494.39	436.91
45.0	1066.78	970.71	865.09	783.84	714.37	649.37	579.30	522.63	469.00
67.5	1067.60	1007.68	879.10	803.54	739.76	668.67	598.19	536.84	482.41
90.0	1074.30	1041.80	894.34	817.76	735.70	659.94	599.00	542.53	488.30
112.5	1067.60	1007.68	879.10	803.54	739.76	668.67	598.19	536.84	482.41
135.0	1066.78	970.71	865.09	783.84	714.37	649.37	579.30	522.63	469.00
157.5	985.33	936.18	814.10	743.62	673.34	613.22	556.75	494.39	436.91
180.0	951.21	901.65	784.85	712.75	644.09	590.47	525.06	468.39	418.63
202.5	853.71	780.18	712.14	643.89	576.05	519.58	468.60	415.18	364.19
225.0	822.23	744.64	677.81	617.28	551.67	490.94	440.16	392.63	343.88
247.5	792.78	722.70	647.75	584.98	526.49	480.17	419.64	374.55	334.94
270.0	766.98	710.72	637.59	581.12	520.80	464.74	415.58	368.26	323.57
292.5	792.78	722.70	647.75	584.98	526.49	480.17	419.64	374.55	334.94
315.0	822.23	744.64	677.81	617.28	551.67	490.94	440.16	392.63	343.88
337.5	853.71	780.18	712.14	643.89	576.05	519.58	468.60	415.18	364.19
360.0	951.21	901.65	784.85	712.75	644.09	590.47	525.06	468.39	418.63

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	370.29	320.52	275.84	226.07	185.04	145.84	120.65	94.86	71.09
22.5	393.24	343.88	299.40	257.15	208.81	159.86	124.31	97.50	74.95
45.0	411.11	363.99	318.29	265.88	218.76	177.32	136.90	100.75	80.03
67.5	431.43	370.69	325.19	284.57	237.65	192.35	145.84	104.61	79.22
90.0	437.32	373.33	327.63	283.15	239.07	196.21	139.54	100.34	76.17
112.5	431.43	370.69	325.19	284.57	237.65	192.35	145.84	104.61	79.22
135.0	411.11	363.99	318.29	265.88	218.76	177.32	136.90	100.75	80.03
157.5	393.24	343.88	299.40	257.15	208.81	159.86	124.31	97.50	74.95
180.0	370.29	320.52	275.84	226.07	185.04	145.84	120.65	94.86	71.09
202.5	321.13	279.29	231.15	183.82	147.87	117.00	96.28	74.14	65.81
225.0	301.02	255.73	213.07	169.00	131.62	104.81	83.08	71.29	64.59
247.5	292.49	236.84	194.79	151.93	114.15	91.40	77.19	70.48	65.00
270.0	273.40	232.98	190.53	149.50	112.73	84.50	75.76	70.28	66.22
292.5	292.49	236.84	194.79	151.93	114.15	91.40	77.19	70.48	65.00
315.0	301.02	255.73	213.07	169.00	131.62	104.81	83.08	71.29	64.59
337.5	321.13	279.29	231.15	183.82	147.87	117.00	96.28	74.14	65.81
360.0	370.29	320.52	275.84	226.07	185.04	145.84	120.65	94.86	71.09
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	63.37	59.31	54.23	50.78	47.53	44.89	41.64	39.20	37.37
22.5	65.00	59.51	55.05	50.17	47.12	44.28	41.84	39.20	37.17
45.0	66.83	61.14	55.25	51.59	48.34	45.50	42.45	39.81	37.78
67.5	67.84	61.14	56.47	52.40	48.55	45.50	42.86	40.22	37.78
90.0	68.25	60.12	55.25	51.59	48.55	44.48	41.84	40.01	37.58
112.5	67.84	61.14	56.47	52.40	48.55	45.50	42.86	40.22	37.78
135.0	66.83	61.14	55.25	51.59	48.34	45.50	42.45	39.81	37.78
157.5	65.00	59.51	55.05	50.17	47.12	44.28	41.84	39.20	37.17
180.0	63.37	59.31	54.23	50.78	47.53	44.89	41.64	39.20	37.37
202.5	60.33	56.06	52.40	48.14	45.30	42.25	39.81	37.37	35.34
225.0	60.12	56.26	52.20	47.94	44.89	42.05	39.61	36.56	34.73
247.5	61.14	56.67	52.40	48.95	45.50	42.25	39.41	37.37	35.14
270.0	60.94	56.87	52.81	48.95	45.70	42.45	39.81	37.37	35.34
292.5	61.14	56.67	52.40	48.95	45.50	42.25	39.41	37.37	35.14
315.0	60.12	56.26	52.20	47.94	44.89	42.05	39.61	36.56	34.73
337.5	60.33	56.06	52.40	48.14	45.30	42.25	39.81	37.37	35.34
360.0	63.37	59.31	54.23	50.78	47.53	44.89	41.64	39.20	37.37
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	35.14	33.51	31.89	30.47	29.05	27.83	26.61	25.39	24.37
22.5	35.34	33.31	31.48	30.26	28.84	27.62	26.41	25.39	24.37
45.0	35.95	34.12	32.30	30.87	29.45	28.03	26.81	25.80	24.58
67.5	35.95	34.12	32.30	30.87	29.45	28.03	26.81	25.80	24.78
90.0	35.14	33.51	31.69	30.67	29.05	27.83	26.81	25.59	24.58
112.5	35.95	34.12	32.30	30.87	29.45	28.03	26.81	25.80	24.78
135.0	35.95	34.12	32.30	30.87	29.45	28.03	26.81	25.80	24.58
157.5	35.34	33.31	31.48	30.26	28.84	27.62	26.41	25.39	24.37
180.0	35.14	33.51	31.89	30.47	29.05	27.83	26.61	25.39	24.37
202.5	33.51	31.69	30.26	28.84	27.42	26.41	25.19	24.17	23.16
225.0	32.91	31.28	29.66	28.23	27.22	26.00	24.78	23.97	22.95
247.5	33.11	31.28	29.86	28.44	27.42	26.00	24.98	23.76	23.16
270.0	33.11	31.48	30.06	28.64	27.22	26.20	25.19	23.97	23.16
292.5	33.11	31.28	29.86	28.44	27.42	26.00	24.98	23.76	23.16
315.0	32.91	31.28	29.66	28.23	27.22	26.00	24.78	23.97	22.95
337.5	33.51	31.69	30.26	28.84	27.42	26.41	25.19	24.17	23.16
360.0	35.14	33.51	31.89	30.47	29.05	27.83	26.61	25.39	24.37

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	23.56	22.55	21.73	20.72	20.11	19.50	18.89	18.28	17.87
22.5	23.16	22.34	21.53	20.72	19.91	19.09	18.48	17.67	17.47
45.0	23.56	22.34	21.73	20.72	19.91	19.09	18.48	17.67	17.27
67.5	23.56	22.75	21.94	20.72	19.91	19.30	18.48	17.87	17.27
90.0	23.56	22.75	21.73	20.92	19.91	19.30	18.69	18.08	17.27
112.5	23.56	22.75	21.94	20.72	19.91	19.30	18.48	17.87	17.27
135.0	23.56	22.34	21.73	20.72	19.91	19.09	18.48	17.67	17.27
157.5	23.16	22.34	21.53	20.72	19.91	19.09	18.48	17.67	17.47
180.0	23.56	22.55	21.73	20.72	20.11	19.50	18.89	18.28	17.87
202.5	22.34	21.53	20.92	20.11	19.50	18.89	18.28	17.67	17.27
225.0	22.14	21.33	20.52	19.91	19.30	18.69	18.28	17.67	17.27
247.5	22.14	21.53	20.52	19.91	19.50	18.89	18.48	18.08	17.87
270.0	22.34	21.53	20.52	19.91	19.50	19.09	18.48	18.08	17.87
292.5	22.14	21.53	20.52	19.91	19.50	18.89	18.48	18.08	17.87
315.0	22.14	21.33	20.52	19.91	19.30	18.69	18.28	17.67	17.27
337.5	22.34	21.53	20.92	20.11	19.50	18.89	18.28	17.67	17.27
360.0	23.56	22.55	21.73	20.72	20.11	19.50	18.89	18.28	17.87
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	17.47	17.06	16.66	16.45	16.45	16.05	16.05	15.84	15.84
22.5	16.86	16.66	16.45	16.05	15.84	15.64	15.44	15.44	15.44
45.0	16.86	16.45	16.05	15.64	15.64	15.44	15.23	15.03	15.03
67.5	17.06	16.45	16.05	15.84	15.44	15.44	15.23	15.03	15.03
90.0	16.66	16.25	16.05	15.84	15.44	15.23	15.03	14.83	14.83
112.5	17.06	16.45	16.05	15.84	15.44	15.44	15.23	15.03	15.03
135.0	16.86	16.45	16.05	15.64	15.64	15.44	15.23	15.03	15.03
157.5	16.86	16.66	16.45	16.05	15.84	15.64	15.44	15.44	15.44
180.0	17.47	17.06	16.66	16.45	16.45	16.05	16.05	15.84	15.84
202.5	16.86	16.66	16.45	16.05	16.05	15.64	15.64	15.64	15.84
225.0	17.06	16.86	16.66	16.45	16.45	16.25	16.25	16.25	16.25
247.5	17.47	17.06	17.06	17.06	16.66	16.66	16.66	16.86	16.86
270.0	17.67	17.27	17.06	16.86	16.86	16.86	16.66	16.66	16.66
292.5	17.47	17.06	17.06	17.06	16.66	16.86	16.66	16.86	16.86
315.0	17.06	16.86	16.66	16.45	16.45	16.25	16.25	16.25	16.25
337.5	16.86	16.66	16.45	16.05	16.05	15.64	15.64	15.64	15.84
360.0	17.47	17.06	16.66	16.45	16.45	16.05	16.05	15.84	15.84
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	15.84	15.84	15.84	15.84	15.84	16.05	16.05	15.84	16.05
22.5	15.44	15.23	15.23	15.23	15.23	15.23	15.44	15.44	15.23
45.0	15.03	14.83	14.83	14.83	14.83	15.03	15.03	15.03	15.03
67.5	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83	15.03
90.0	14.83	14.83	14.62	14.83	14.62	14.62	14.83	14.83	15.03
112.5	14.83	14.83	14.83	14.83	14.83	14.83	14.83	14.83	15.03
135.0	15.03	14.83	14.83	14.83	14.83	15.03	15.03	15.03	15.03
157.5	15.44	15.23	15.23	15.23	15.23	15.23	15.44	15.44	15.23
180.0	15.84	15.84	15.84	15.84	15.84	16.05	16.05	15.84	16.05
202.5	15.64	15.64	15.64	15.64	15.64	15.64	15.44	15.44	15.64
225.0	16.05	16.05	16.25	16.25	16.25	16.05	16.25	16.25	16.45
247.5	16.86	16.86	16.66	16.86	16.86	16.86	16.86	16.86	16.86
270.0	16.86	16.86	16.86	16.86	16.86	17.06	17.06	17.06	17.27
292.5	16.86	16.86	16.66	16.86	16.86	16.86	16.86	16.86	16.86
315.0	16.05	16.05	16.25	16.25	16.25	16.05	16.25	16.25	16.45
337.5	15.64	15.64	15.64	15.64	15.64	15.64	15.44	15.44	15.64
360.0	15.84	15.84	15.84	15.84	15.84	16.05	16.05	15.84	16.05

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	15.84	16.05	16.05	16.05	16.25	16.05	16.05	15.84	15.64
22.5	15.23	15.23	15.23	15.23	15.44	15.44	15.44	15.23	15.23
45.0	15.03	15.23	15.23	15.03	15.03	15.03	15.03	15.03	15.03
67.5	15.03	15.03	15.03	15.03	15.03	15.03	15.03	15.03	15.23
90.0	14.83	14.83	15.03	15.03	15.03	15.23	15.03	15.03	15.03
112.5	15.03	15.03	15.03	15.03	15.03	15.03	15.03	15.03	15.23
135.0	15.03	15.23	15.23	15.03	15.03	15.03	15.03	15.03	15.03
157.5	15.23	15.23	15.23	15.23	15.44	15.44	15.44	15.23	15.23
180.0	15.84	16.05	16.05	16.05	16.25	16.05	16.05	15.84	15.64
202.5	15.44	15.64	15.44	15.64	15.44	15.44	15.23	15.23	15.03
225.0	16.45	16.25	16.25	16.05	16.05	15.84	15.84	15.84	15.64
247.5	16.86	16.86	16.86	16.66	16.66	16.66	16.45	16.45	16.25
270.0	17.06	17.27	17.27	17.06	17.06	17.06	17.06	16.66	16.45
292.5	16.86	16.86	16.86	16.66	16.66	16.66	16.45	16.45	16.25
315.0	16.45	16.25	16.25	16.05	16.05	15.84	15.84	15.84	15.64
337.5	15.44	15.64	15.44	15.64	15.44	15.44	15.23	15.23	15.03
360.0	15.84	16.05	16.05	16.05	16.25	16.05	16.05	15.84	15.64
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	15.64	15.64	15.23	15.03	14.83	14.62	13.61	13.20	13.20
22.5	15.23	15.03	14.83	14.83	14.62	14.42	14.22	13.61	13.20
45.0	15.03	15.03	14.83	14.62	14.42	14.42	14.02	13.81	13.41
67.5	15.03	14.83	15.03	14.62	14.62	14.42	14.22	13.81	13.61
90.0	15.03	15.03	14.62	14.62	14.62	14.42	14.22	13.61	13.41
112.5	15.03	14.83	15.03	14.62	14.62	14.42	14.22	13.81	13.61
135.0	15.03	15.03	14.83	14.62	14.42	14.42	14.02	13.81	13.41
157.5	15.23	15.03	14.83	14.83	14.62	14.42	14.22	13.61	13.20
180.0	15.64	15.64	15.23	15.03	14.83	14.62	13.61	13.20	13.20
202.5	15.03	15.03	14.83	14.42	14.02	13.61	13.41	12.59	12.19
225.0	15.44	15.23	15.03	14.62	14.22	13.81	13.41	12.80	12.59
247.5	16.05	15.84	15.64	15.23	14.83	14.22	13.81	13.00	12.39
270.0	16.45	16.05	15.64	15.23	14.62	14.02	13.41	12.80	12.39
292.5	16.05	15.84	15.64	15.23	14.83	14.22	13.81	13.00	12.39
315.0	15.44	15.23	15.03	14.62	14.22	13.81	13.41	12.80	12.59
337.5	15.03	15.03	14.83	14.42	14.02	13.61	13.41	12.59	12.19
360.0	15.64	15.64	15.23	15.03	14.83	14.62	13.61	13.20	13.20
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	13.20	13.20	13.20	13.41	13.41	13.41	13.41	13.61	13.61
22.5	13.00	13.00	13.00	13.20	13.20	13.41	13.41	13.41	13.41
45.0	13.00	13.00	13.00	13.20	13.20	13.20	13.41	13.41	13.41
67.5	13.20	13.00	13.20	13.20	13.20	13.41	13.41	13.41	13.41
90.0	13.00	12.80	13.20	13.20	13.20	13.20	13.20	13.41	13.41
112.5	13.20	13.00	13.20	13.20	13.20	13.41	13.41	13.41	13.41
135.0	13.00	13.00	13.00	13.20	13.20	13.20	13.41	13.41	13.41
157.5	13.00	13.00	13.00	13.20	13.20	13.41	13.41	13.41	13.41
180.0	13.20	13.20	13.20	13.41	13.41	13.41	13.41	13.61	13.61
202.5	12.39	12.39	12.39	12.39	12.59	12.59	12.59	12.80	12.80
225.0	12.19	12.39	12.39	12.39	12.59	12.59	12.59	12.80	12.80
247.5	12.39	12.39	12.59	12.59	12.59	12.80	12.80	12.80	13.00
270.0	12.39	12.39	12.39	12.59	12.59	12.59	12.80	12.80	12.80
292.5	12.39	12.39	12.59	12.59	12.59	12.80	12.80	12.80	13.00
315.0	12.19	12.39	12.39	12.39	12.59	12.59	12.59	12.80	12.80
337.5	12.39	12.39	12.39	12.39	12.59	12.59	12.59	12.80	12.80
360.0	13.20	13.20	13.20	13.41	13.41	13.41	13.41	13.61	13.61

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	13.41	13.61	13.61	13.41	13.61	13.41	13.41	13.61	13.61
22.5	13.41	13.41	13.41	13.41	13.41	13.41	13.20	13.20	13.20
45.0	13.41	13.20	13.20	13.41	13.20	13.41	13.20	13.20	13.41
67.5	13.41	13.41	13.41	13.41	13.20	13.20	13.41	13.41	13.20
90.0	13.41	13.41	13.41	13.41	13.41	13.20	13.41	13.20	13.20
112.5	13.41	13.41	13.41	13.41	13.20	13.20	13.41	13.41	13.20
135.0	13.41	13.20	13.20	13.41	13.20	13.41	13.20	13.20	13.41
157.5	13.41	13.41	13.41	13.41	13.41	13.41	13.20	13.20	13.20
180.0	13.41	13.61	13.61	13.41	13.61	13.41	13.41	13.61	13.61
202.5	12.59	12.59	12.80	12.80	12.80	12.80	13.00	12.80	13.00
225.0	12.80	12.80	12.80	12.80	12.80	12.80	13.00	12.80	13.00
247.5	12.80	12.80	12.80	12.80	13.00	13.00	13.00	13.00	13.00
270.0	12.80	12.80	12.80	12.59	13.00	13.00	13.00	13.00	13.00
292.5	12.80	12.80	12.80	12.80	13.00	13.00	13.00	13.00	13.00
315.0	12.80	12.80	12.80	12.80	12.80	12.80	13.00	12.80	13.00
337.5	12.59	12.59	12.80	12.80	12.80	12.80	13.00	12.80	13.00
360.0	13.41	13.61	13.61	13.41	13.61	13.41	13.41	13.61	13.61
C/ γ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	13.41	13.41	13.41	13.41	13.61	13.81	13.81	14.02	14.02
22.5	13.20	13.20	13.20	13.00	13.00	13.20	13.20	13.41	13.61
45.0	13.20	13.00	13.20	13.00	13.00	13.00	13.20	13.41	13.61
67.5	13.20	13.00	13.20	13.20	13.00	13.20	13.41	13.61	13.61
90.0	13.20	13.20	13.00	13.20	13.00	13.20	13.20	13.20	13.61
112.5	13.20	13.00	13.20	13.20	13.00	13.20	13.41	13.61	13.61
135.0	13.20	13.00	13.20	13.00	13.00	13.00	13.20	13.41	13.61
157.5	13.20	13.20	13.20	13.00	13.00	13.20	13.20	13.41	13.61
180.0	13.41	13.41	13.41	13.41	13.61	13.81	13.81	14.02	14.02
202.5	12.80	13.00	13.00	13.20	13.20	13.41	13.41	13.41	13.61
225.0	13.00	12.80	13.00	13.20	13.20	13.41	13.41	13.61	13.41
247.5	13.00	13.20	13.00	13.20	13.41	13.41	13.41	13.61	13.61
270.0	13.00	13.00	13.00	13.00	13.20	13.41	13.41	13.41	13.61
292.5	13.00	13.20	13.00	13.20	13.41	13.41	13.41	13.61	13.61
315.0	13.00	12.80	13.00	13.20	13.20	13.41	13.41	13.61	13.41
337.5	12.80	13.00	13.00	13.20	13.20	13.41	13.41	13.41	13.61
360.0	13.41	13.41	13.41	13.41	13.61	13.81	13.81	14.02	14.02
C/ γ (°)	180.0								
0.0	13.61								
22.5	13.61								
45.0	13.61								
67.5	13.61								
90.0	13.61								
112.5	13.61								
135.0	13.61								
157.5	13.61								
180.0	13.61								
202.5	13.61								
225.0	13.61								
247.5	13.61								
270.0	13.61								
292.5	13.61								
315.0	13.61								
337.5	13.61								
360.0	13.61								