



Shenzhen Anbotek Compliance Laboratory Ltd
Http://www.anbotek.com.cn
Email:lamps.5@anbotek.com
Tel:+86-755-2606 6205

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-B90

Report No:

Voltage(V): 220.0800

Test No:

Current(A): 0.6470

LampCAT:

Power (W): 140.0000

Lamp flux(lm)

PF: 0.9837

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 19090.23

Lumens(lm)/Power(W): 136.36

Central intensity(cd): 10310.350

Maximum intensity(cd): 10692.620

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

Beam Angle(50%Imax): [C0/180]Total=87.4

[C90/270]Total=87.2

Field angle(10%Imax): [C0/180]Total=121.8

[C90/270]Total=120.9

Maximum s/h(1/2): C0_180=1.26 C90_270=1.28

Maximum s/h(1/4): C0_180=1.25 C90_270=1.28

Up flux rate of LUM(%): 0.44%

Down flux rate of LUM(%): 99.56%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 93.212%

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	10310.340	.000	.000	.000%	.000%	.000%
1.0	10357.110	9.889	9.889	.052%	.052%	.052%
2.0	10351.270	29.723	39.612	.156%	.207%	.207%
3.0	10342.530	49.493	89.104	.259%	.467%	.467%
4.0	10329.550	69.196	158.301	.362%	.829%	.829%
5.0	10312.820	88.802	247.103	.465%	1.294%	1.294%
6.0	10292.270	108.285	355.388	.567%	1.862%	1.862%
7.0	10270.050	127.630	483.018	.669%	2.530%	2.530%
8.0	10241.600	146.798	629.816	.769%	3.299%	3.299%
9.0	10212.410	165.769	795.585	.868%	4.167%	4.167%
10.0	10180.530	184.549	980.133	.967%	5.134%	5.134%
11.0	10139.760	203.042	1183.175	1.064%	6.198%	6.198%
12.0	10101.160	221.262	1404.437	1.159%	7.357%	7.357%
13.0	10053.060	239.180	1643.617	1.253%	8.610%	8.610%
14.0	10005.430	256.747	1900.364	1.345%	9.955%	9.955%
15.0	9951.891	273.983	2174.347	1.435%	11.390%	11.390%
16.0	9896.097	290.829	2465.175	1.523%	12.913%	12.913%
17.0	9834.678	307.261	2772.437	1.610%	14.523%	14.523%
18.0	9770.657	323.250	3095.686	1.693%	16.216%	16.216%
19.0	9697.940	338.714	3434.400	1.774%	17.990%	17.990%
20.0	9623.866	353.643	3788.042	1.852%	19.843%	19.843%
21.0	9543.686	368.056	4156.098	1.928%	21.771%	21.771%
22.0	9463.465	381.957	4538.055	2.001%	23.772%	23.772%
23.0	9373.989	395.261	4933.315	2.070%	25.842%	25.842%
24.0	9279.223	407.826	5341.142	2.136%	27.978%	27.978%
25.0	9176.520	419.643	5760.785	2.198%	30.177%	30.177%
26.0	9072.321	430.766	6191.551	2.256%	32.433%	32.433%
27.0	8953.216	440.999	6632.549	2.310%	34.743%	34.743%
28.0	8834.684	450.352	7082.901	2.359%	37.102%	37.102%
29.0	8703.733	458.855	7541.756	2.404%	39.506%	39.506%
30.0	8569.701	466.379	8008.135	2.443%	41.949%	41.949%
31.0	8411.547	472.564	8480.699	2.475%	44.424%	44.424%
32.0	8250.155	477.338	8958.037	2.500%	46.925%	46.925%
33.0	8070.014	480.798	9438.835	2.519%	49.443%	49.443%
34.0	7896.004	483.179	9922.014	2.531%	51.974%	51.974%
35.0	7694.509	484.184	10406.200	2.536%	54.511%	54.511%
36.0	7470.456	482.856	10889.050	2.529%	57.040%	57.040%
37.0	7233.378	479.557	11368.610	2.512%	59.552%	59.552%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	6988.124	474.695	11843.300	2.487%	62.039%	62.039%
39.0	6701.623	467.269	12310.570	2.448%	64.486%	64.486%
40.0	6413.663	457.415	12767.990	2.396%	66.882%	66.882%
41.0	6089.015	445.214	13213.200	2.332%	69.214%	69.214%
42.0	5745.171	429.957	13643.160	2.252%	71.467%	71.467%
43.0	5381.360	412.159	14055.320	2.159%	73.626%	73.626%
44.0	4945.389	389.760	14445.080	2.042%	75.667%	75.667%
45.0	4613.364	367.354	14812.430	1.924%	77.592%	77.592%
46.0	4218.437	345.393	15157.820	1.809%	79.401%	79.401%
47.0	3831.037	320.149	15477.970	1.677%	81.078%	81.078%
48.0	3447.598	294.241	15772.210	1.541%	82.619%	82.619%
49.0	3075.521	267.876	16040.090	1.403%	84.023%	84.023%
50.0	2727.311	241.940	16282.030	1.267%	85.290%	85.290%
51.0	2436.063	218.455	16500.480	1.144%	86.434%	86.434%
52.0	2183.890	198.246	16698.730	1.038%	87.473%	87.473%
53.0	1951.661	179.896	16878.630	.942%	88.415%	88.415%
54.0	1766.950	163.901	17042.530	.859%	89.274%	89.274%
55.0	1601.216	150.349	17192.880	.788%	90.061%	90.061%
56.0	1467.830	138.682	17331.560	.726%	90.788%	90.788%
57.0	1347.647	128.730	17460.290	.674%	91.462%	91.462%
58.0	1236.668	119.508	17579.790	.626%	92.088%	92.088%
59.0	1137.977	111.016	17690.810	.582%	92.669%	92.669%
60.0	1054.812	103.595	17794.410	.543%	93.212%	93.212%
61.0	979.087	97.062	17891.470	.508%	93.721%	93.721%
62.0	906.649	90.866	17982.330	.476%	94.197%	94.197%
63.0	851.833	85.524	18067.860	.448%	94.645%	94.645%
64.0	789.411	80.535	18148.390	.422%	95.066%	95.066%
65.0	725.187	74.956	18223.350	.393%	95.459%	95.459%
66.0	672.440	69.733	18293.080	.365%	95.824%	95.824%
67.0	626.522	65.315	18358.400	.342%	96.166%	96.166%
68.0	582.382	61.239	18419.640	.321%	96.487%	96.487%
69.0	543.205	57.422	18477.060	.301%	96.788%	96.788%
70.0	503.749	53.770	18530.830	.282%	97.070%	97.070%
71.0	467.670	50.208	18581.040	.263%	97.333%	97.333%
72.0	433.114	46.838	18627.880	.245%	97.578%	97.578%
73.0	401.847	43.662	18671.540	.229%	97.807%	97.807%
74.0	372.394	40.704	18712.240	.213%	98.020%	98.020%
75.0	343.450	37.823	18750.060	.198%	98.218%	98.218%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	315.381	34.973	18785.040	.183%	98.401%	98.401%
77.0	289.153	32.231	18817.270	.169%	98.570%	98.570%
78.0	263.954	29.608	18846.870	.155%	98.725%	98.725%
79.0	237.459	26.941	18873.810	.141%	98.866%	98.866%
80.0	211.600	24.210	18898.020	.127%	98.993%	98.993%
81.0	187.327	21.573	18919.600	.113%	99.106%	99.106%
82.0	160.464	18.860	18938.460	.099%	99.205%	99.205%
83.0	134.935	16.058	18954.520	.084%	99.289%	99.289%
84.0	110.104	13.349	18967.870	.070%	99.359%	99.359%
85.0	86.922	10.753	18978.620	.056%	99.415%	99.415%
86.0	66.801	8.403	18987.020	.044%	99.459%	99.459%
87.0	50.691	6.430	18993.450	.034%	99.493%	99.493%
88.0	38.999	4.913	18998.360	.026%	99.519%	99.519%
89.0	32.106	3.897	19002.260	.020%	99.539%	99.539%
90.0	28.043	3.298	19005.560	.017%	99.556%	99.556%
91.0	25.898	2.957	19008.520	.015%	99.572%	99.572%
92.0	23.968	2.733	19011.250	.014%	99.586%	99.586%
93.0	22.280	2.533	19013.780	.013%	99.600%	99.600%
94.0	20.629	2.348	19016.130	.012%	99.612%	99.612%
95.0	19.106	2.172	19018.300	.011%	99.623%	99.623%
96.0	17.925	2.021	19020.320	.011%	99.634%	99.634%
97.0	16.884	1.896	19022.220	.010%	99.644%	99.644%
98.0	15.881	1.781	19024.000	.009%	99.653%	99.653%
99.0	15.031	1.676	19025.680	.009%	99.662%	99.662%
100.0	14.269	1.584	19027.260	.008%	99.670%	99.670%
101.0	13.660	1.506	19028.770	.008%	99.678%	99.678%
102.0	13.025	1.434	19030.200	.008%	99.686%	99.686%
103.0	12.428	1.363	19031.560	.007%	99.693%	99.693%
104.0	12.060	1.306	19032.870	.007%	99.700%	99.700%
105.0	11.514	1.251	19034.120	.007%	99.706%	99.706%
106.0	11.057	1.193	19035.310	.006%	99.712%	99.712%
107.0	10.676	1.143	19036.460	.006%	99.718%	99.718%
108.0	10.346	1.099	19037.550	.006%	99.724%	99.724%
109.0	10.004	1.058	19038.610	.006%	99.730%	99.730%
110.0	9.648	1.016	19039.630	.005%	99.735%	99.735%
111.0	9.343	.975	19040.600	.005%	99.740%	99.740%
112.0	9.115	.942	19041.540	.005%	99.745%	99.745%
113.0	8.772	.906	19042.450	.005%	99.750%	99.750%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	8.569	.872	19043.320	.005%	99.754%	99.754%
115.0	8.404	.847	19044.170	.004%	99.759%	99.759%
116.0	8.239	.824	19044.990	.004%	99.763%	99.763%
117.0	8.150	.804	19045.800	.004%	99.767%	99.767%
118.0	8.099	.790	19046.590	.004%	99.771%	99.771%
119.0	8.049	.778	19047.370	.004%	99.775%	99.775%
120.0	8.099	.771	19048.140	.004%	99.780%	99.780%
121.0	8.137	.767	19048.910	.004%	99.784%	99.784%
122.0	8.277	.767	19049.670	.004%	99.788%	99.788%
123.0	8.417	.772	19050.450	.004%	99.792%	99.792%
124.0	8.569	.777	19051.220	.004%	99.796%	99.796%
125.0	8.772	.784	19052.010	.004%	99.800%	99.800%
126.0	8.975	.792	19052.800	.004%	99.804%	99.804%
127.0	9.267	.804	19053.600	.004%	99.808%	99.808%
128.0	9.521	.817	19054.420	.004%	99.812%	99.812%
129.0	9.801	.829	19055.250	.004%	99.817%	99.817%
130.0	10.156	.844	19056.090	.004%	99.821%	99.821%
131.0	10.461	.860	19056.950	.005%	99.826%	99.826%
132.0	10.829	.874	19057.830	.005%	99.830%	99.830%
133.0	11.197	.890	19058.720	.005%	99.835%	99.835%
134.0	11.552	.905	19059.620	.005%	99.840%	99.840%
135.0	11.946	.919	19060.540	.005%	99.845%	99.845%
136.0	12.340	.933	19061.480	.005%	99.849%	99.849%
137.0	12.797	.949	19062.430	.005%	99.854%	99.854%
138.0	13.165	.962	19063.390	.005%	99.859%	99.859%
139.0	13.571	.971	19064.360	.005%	99.864%	99.864%
140.0	13.876	.977	19065.330	.005%	99.870%	99.870%
141.0	14.269	.982	19066.320	.005%	99.875%	99.875%
142.0	14.587	.985	19067.300	.005%	99.880%	99.880%
143.0	14.967	.986	19068.290	.005%	99.885%	99.885%
144.0	15.259	.986	19069.270	.005%	99.890%	99.890%
145.0	15.640	.984	19070.260	.005%	99.895%	99.895%
146.0	15.869	.979	19071.240	.005%	99.901%	99.901%
147.0	16.097	.967	19072.200	.005%	99.906%	99.906%
148.0	16.275	.954	19073.160	.005%	99.911%	99.911%
149.0	16.465	.938	19074.090	.005%	99.915%	99.915%
150.0	16.554	.919	19075.010	.005%	99.920%	99.920%
151.0	16.694	.898	19075.910	.005%	99.925%	99.925%

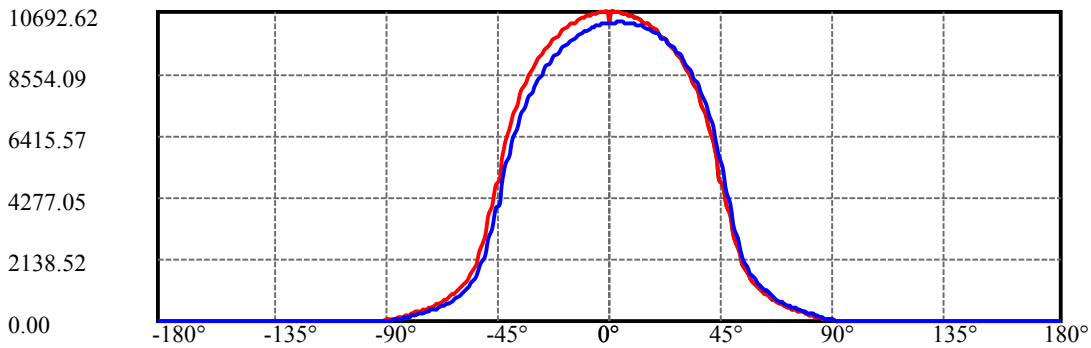
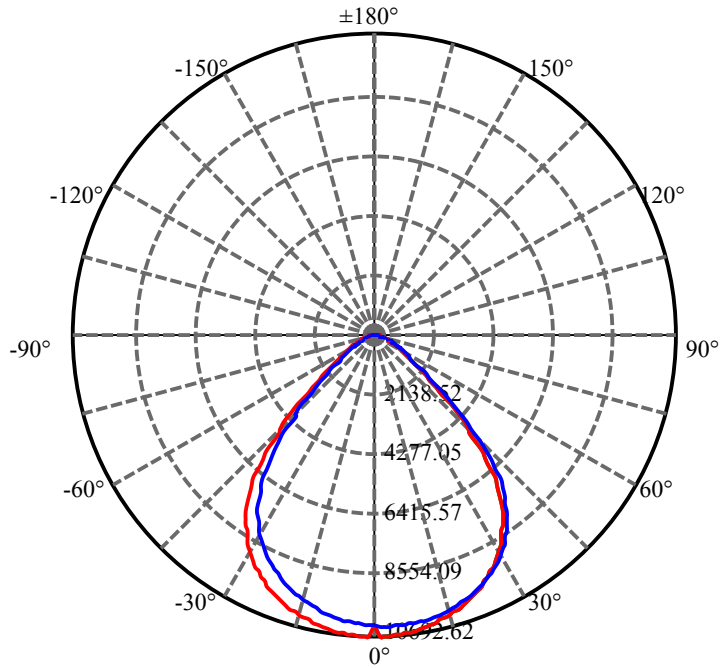
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	16.808	.877	19076.790	.005%	99.930%	99.930%
153.0	17.062	.858	19077.640	.004%	99.934%	99.934%
154.0	17.303	.841	19078.480	.004%	99.938%	99.938%
155.0	17.570	.823	19079.310	.004%	99.943%	99.943%
156.0	17.798	.804	19080.110	.004%	99.947%	99.947%
157.0	18.014	.783	19080.890	.004%	99.951%	99.951%
158.0	18.230	.760	19081.650	.004%	99.955%	99.955%
159.0	18.370	.735	19082.390	.004%	99.959%	99.959%
160.0	18.446	.707	19083.100	.004%	99.963%	99.963%
161.0	18.522	.677	19083.770	.004%	99.966%	99.966%
162.0	18.598	.646	19084.420	.003%	99.970%	99.970%
163.0	18.700	.615	19085.040	.003%	99.973%	99.973%
164.0	18.763	.583	19085.620	.003%	99.976%	99.976%
165.0	18.827	.551	19086.170	.003%	99.979%	99.979%
166.0	18.839	.517	19086.690	.003%	99.981%	99.981%
167.0	18.954	.484	19087.170	.003%	99.984%	99.984%
168.0	18.903	.449	19087.620	.002%	99.986%	99.986%
169.0	18.903	.413	19088.040	.002%	99.989%	99.989%
170.0	18.865	.377	19088.410	.002%	99.990%	99.990%
171.0	18.776	.341	19088.750	.002%	99.992%	99.992%
172.0	18.865	.305	19089.060	.002%	99.994%	99.994%
173.0	18.916	.270	19089.330	.001%	99.995%	99.995%
174.0	18.966	.235	19089.560	.001%	99.997%	99.997%
175.0	19.055	.200	19089.760	.001%	99.998%	99.998%
176.0	19.309	.165	19089.930	.001%	99.998%	99.998%
177.0	19.373	.129	19090.050	.001%	99.999%	99.999%
178.0	19.512	.093	19090.150	.000%	100.000%	100.000%
179.0	19.690	.056	19090.210	.000%	100.000%	100.000%
180.0	19.703	.019	19090.220	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	8008.14	41.95%
0-40	12767.99	66.88%
0-60	17794.41	93.21%
0-90	19005.56	99.56%
0-120	19048.14	99.78%
0-180	19090.22	100.00%
60-90	1314.75	6.89%
90-120	45.88	0.24%
90-130	53.83	0.28%
90-150	72.75	0.38%
90-180	87.94	0.46%
0-46.36	15272.18	80.00%

ZONAL LUMEN SUMMARY

0-10	980.13
10-20	2807.91
20-30	4220.09
30-40	4759.85
40-50	3514.04
50-60	1512.38
60-70	736.42
70-80	367.20
80-90	107.54
90-100	21.70
100-110	12.37
110-120	8.51
120-130	7.95
130-140	9.24
140-150	9.68
150-160	8.09
160-170	5.31
170-180	1.79



C0(Max): ———

C0/C180: ———

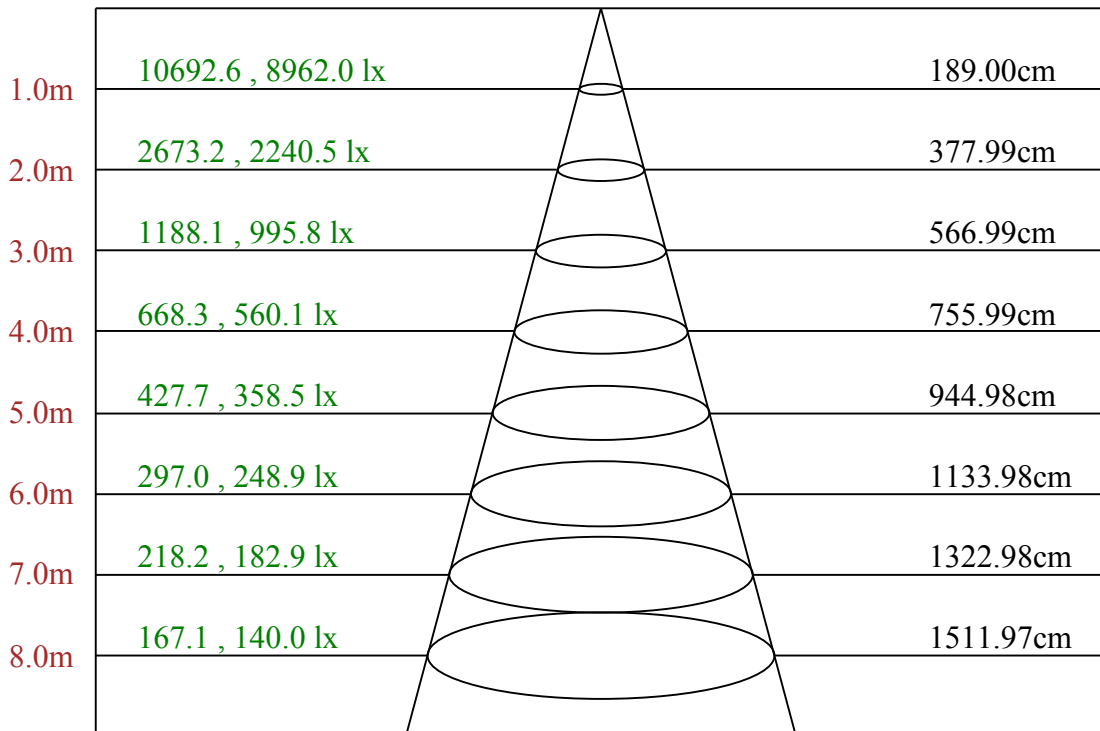
C90/C270: ———

Field angle(10%Imax):C0/180Left:60.9 Right:60.9

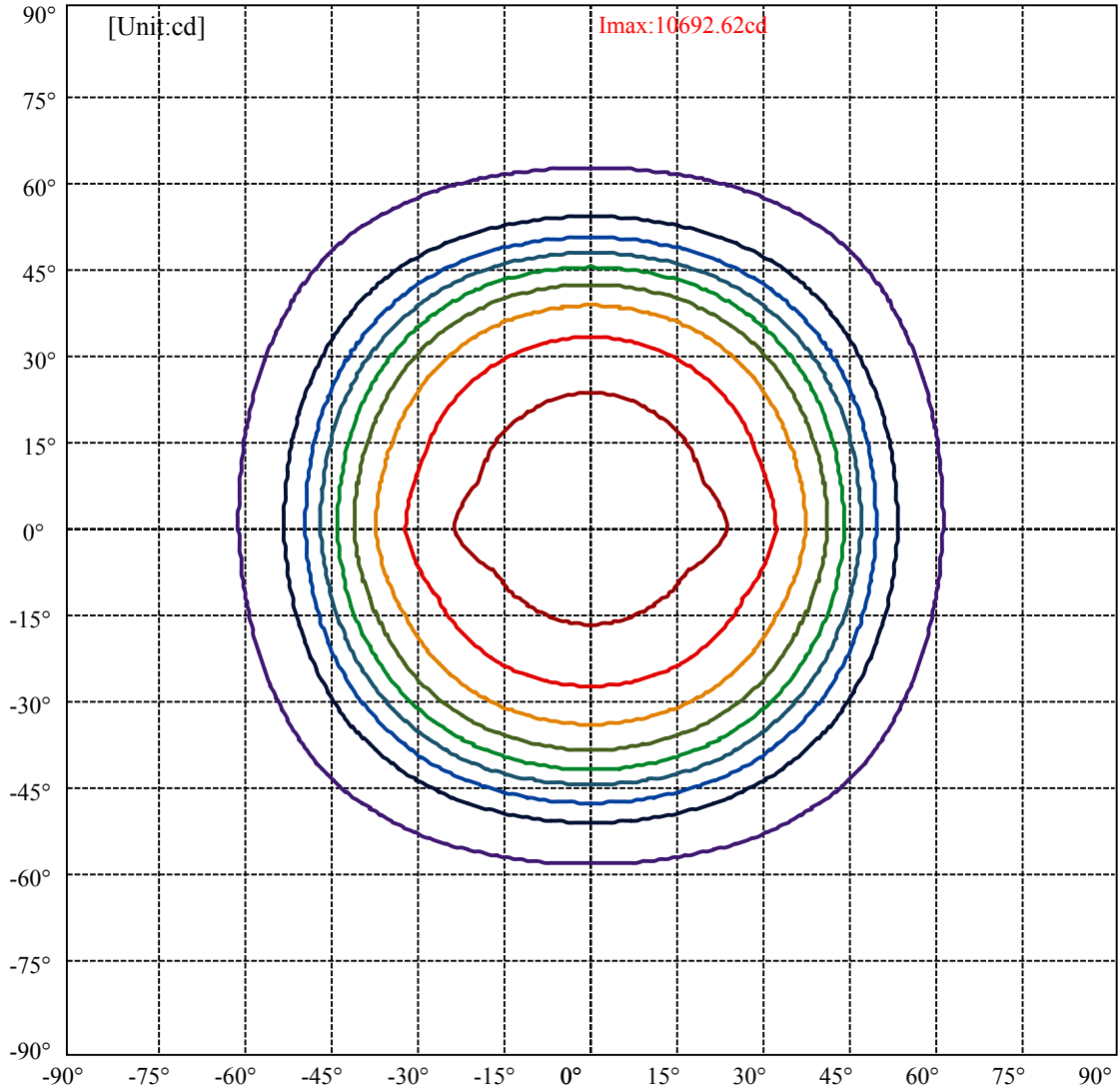
:C90/270Left:57.8 Right:63.1

Beam Angle(50%Imax):C0/180Left:43.7 Right:43.7

:C90/270Left:41.8 Right:45.4



Max , Ave Beam angle of C0plane86.76

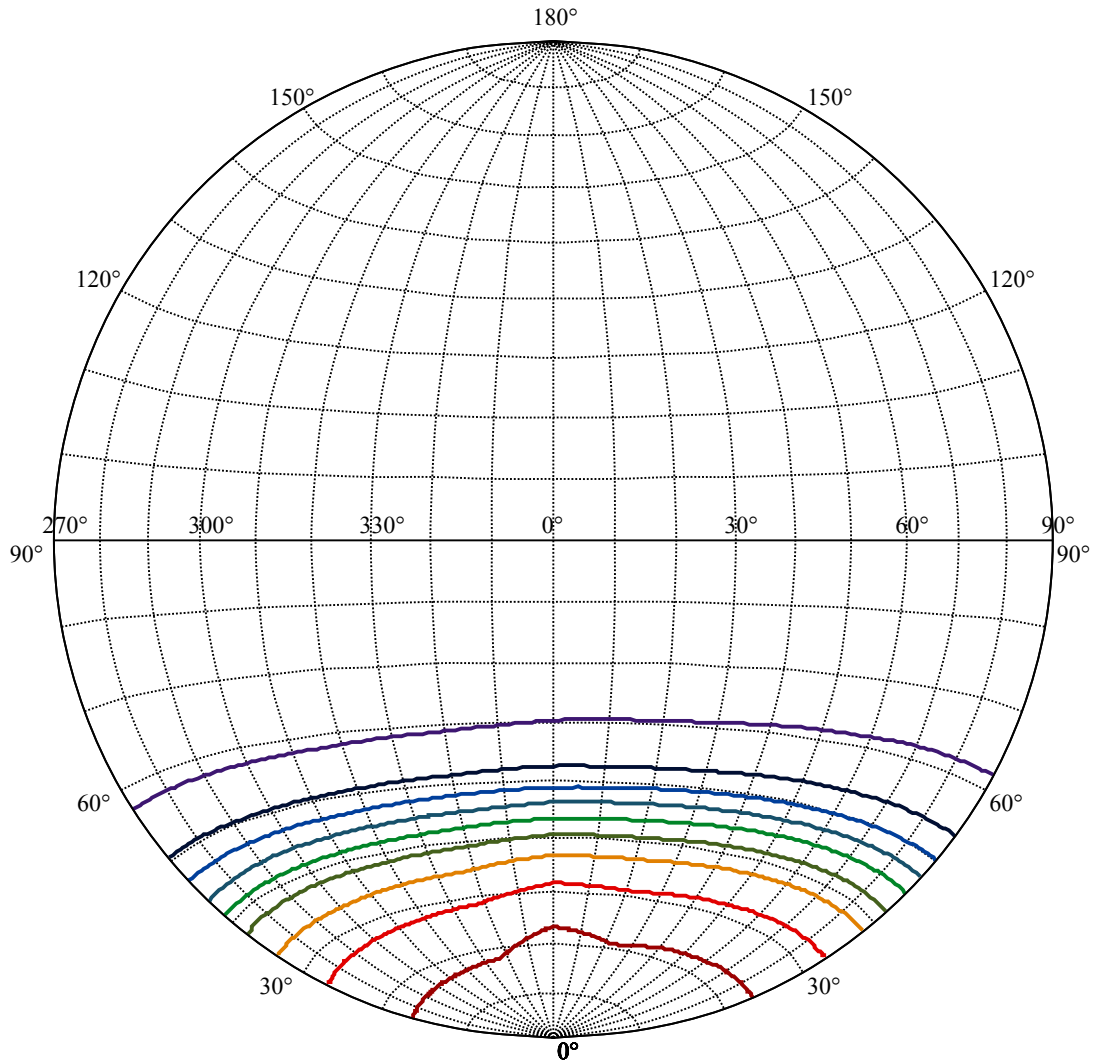


(10%Imax) 1069.26	—
(20%Imax) 2138.52	—
(30%Imax) 3207.79	—
(40%Imax) 4277.05	—
(50%Imax) 5346.31	—
(60%Imax) 6415.57	—
(70%Imax) 7484.83	—
(80%Imax) 8554.09	—
(90%Imax) 9623.36	—

Equipment:
Temperature(°C): 25.0

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

Operator: Meteor
Distance(m): 14.25



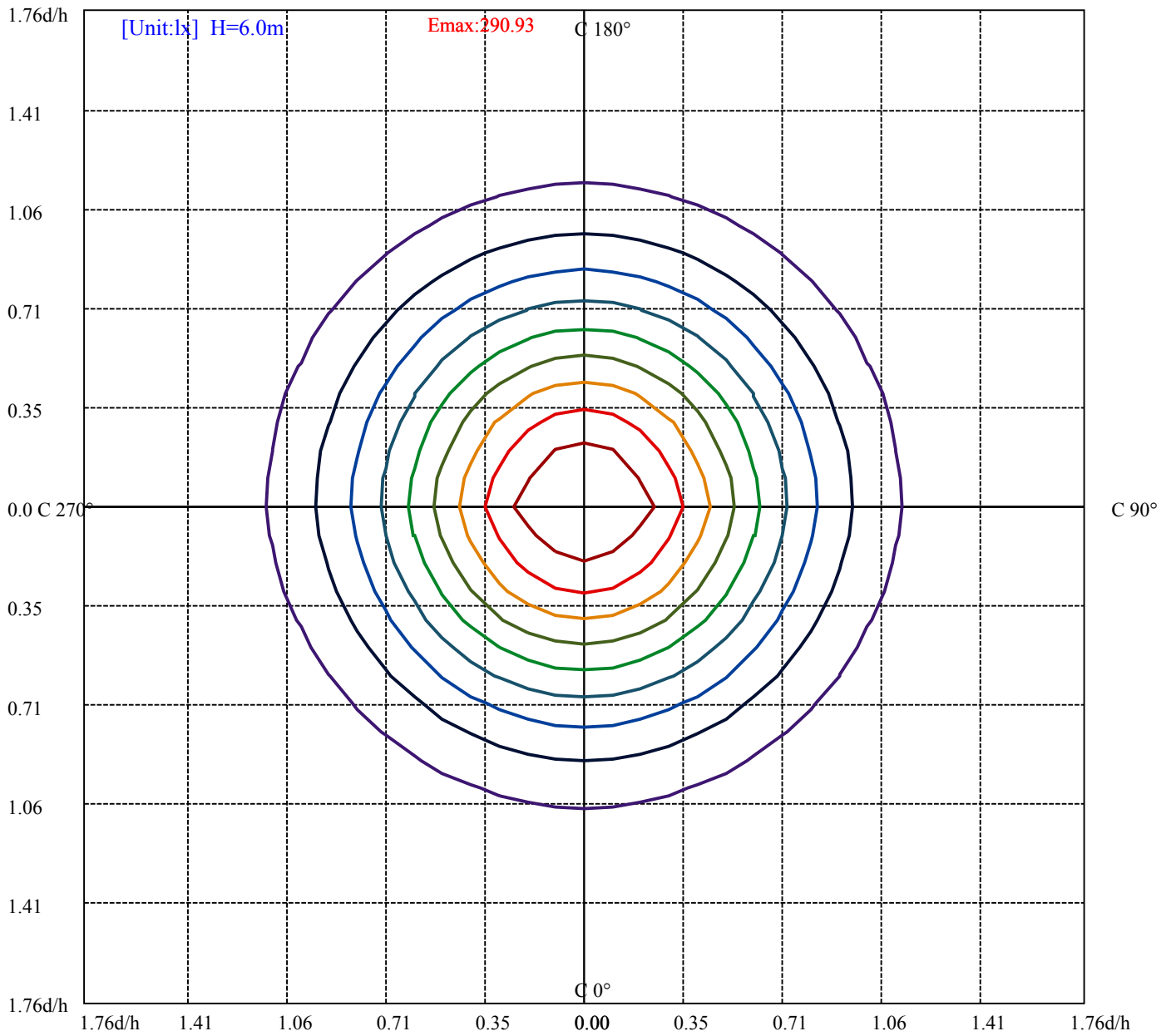
House

[Unit:cd]

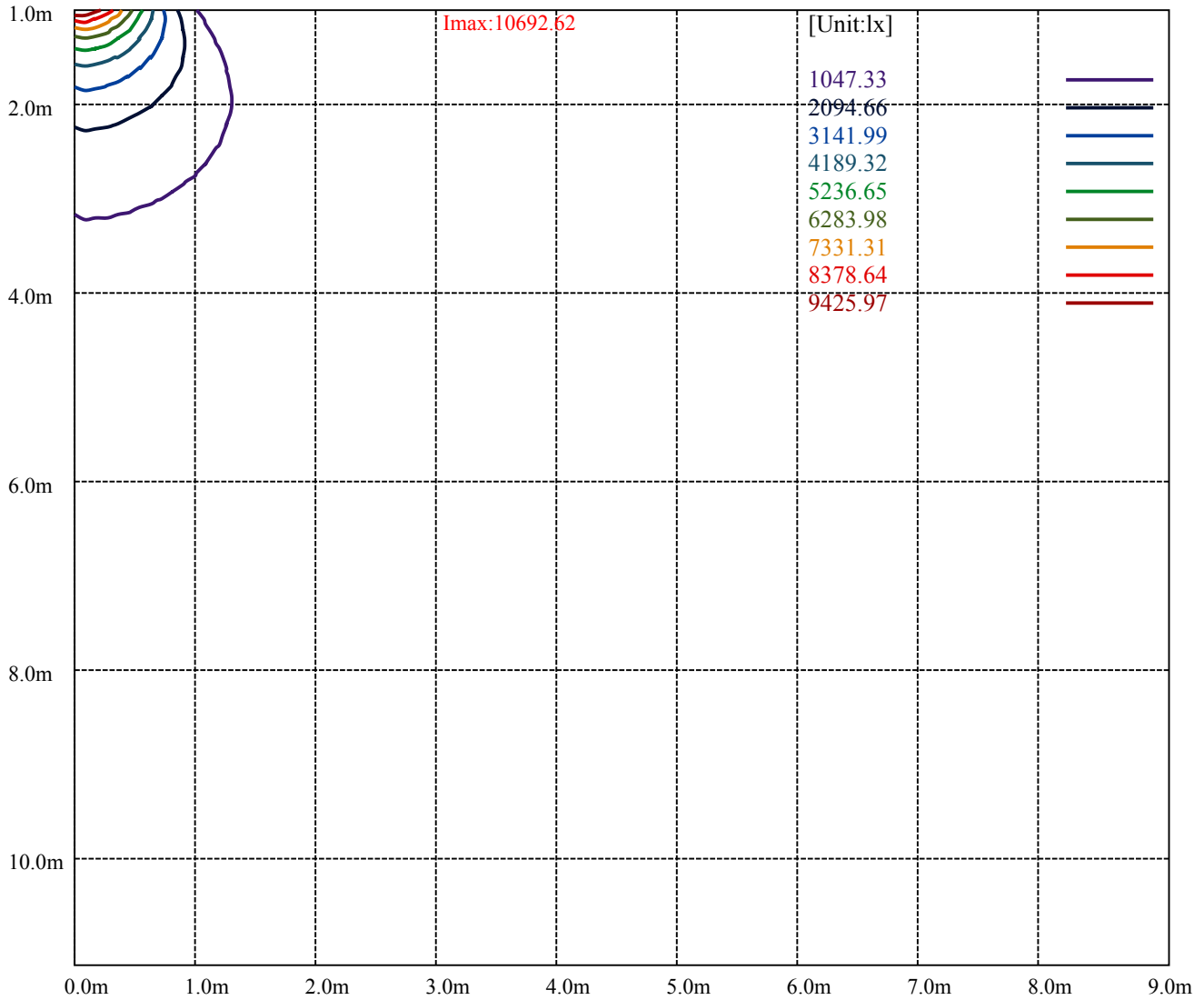
Road

Imax:10692.62

(10%Imax) 1069.26	—
(20%Imax) 2138.52	—
(30%Imax) 3207.79	—
(40%Imax) 4277.05	—
(50%Imax) 5346.31	—
(60%Imax) 6415.57	—
(70%Imax) 7484.83	—
(80%Imax) 8554.09	—
(90%Imax) 9623.36	—



- (10%Emax) 29.0925
- (20%Emax) 58.185
- (30%Emax) 87.27722
- (40%Emax) 116.3697
- (50%Emax) 145.4622
- (60%Emax) 174.5547
- (70%Emax) 203.6469
- (80%Emax) 232.7394
- (90%Emax) 261.8319



Luminance Table

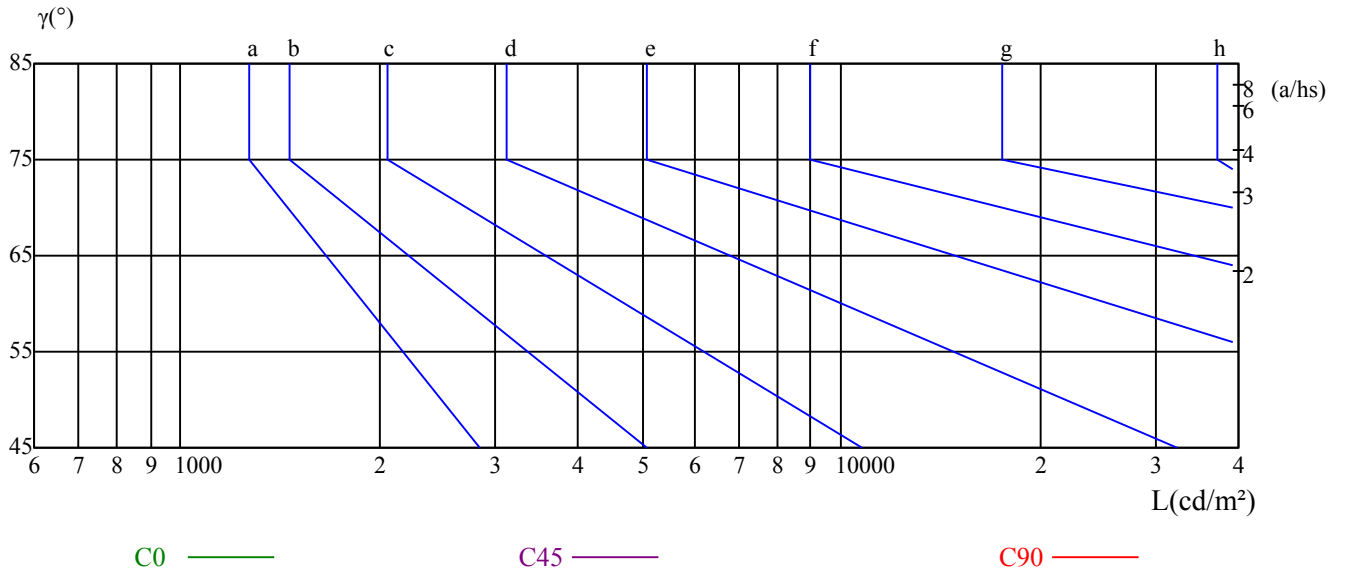
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

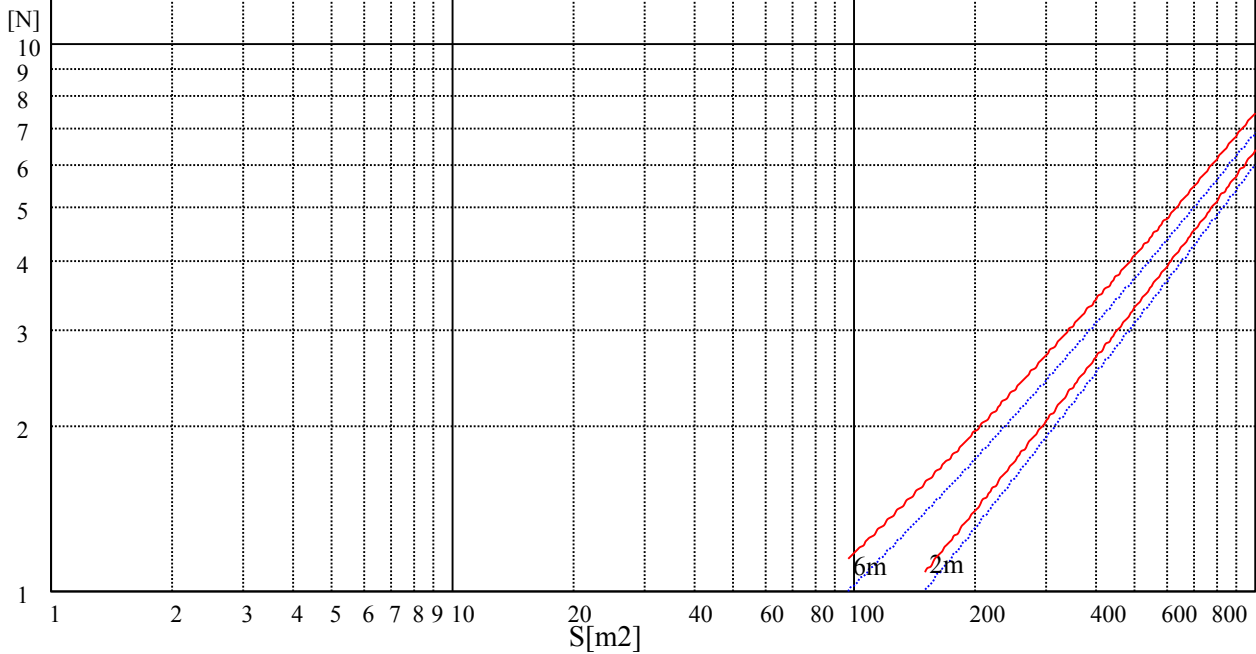
Glare Table

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

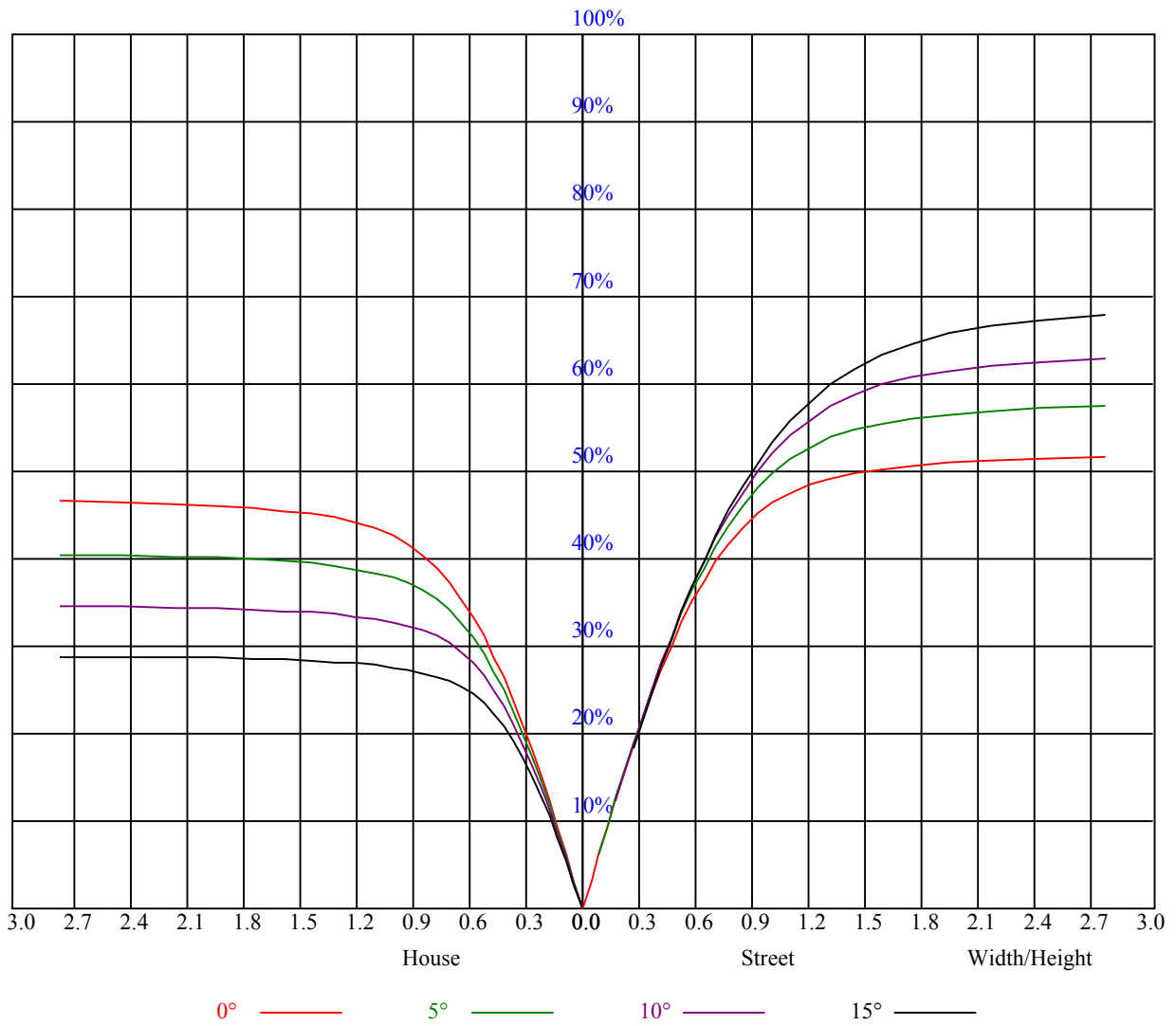
Luminance Limiting Curve



Budgetary Estimate Tab			
Lamp Flux			
Maint Co	0.8/0.8		
Ave Illu	100.0 lx		
Plane H	0.0 m		
Place	C	W	F
Ref1	0.7	0.5	0.2
Ref2	0.5	0.3	0.2



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	1.08	1.04	1.02	1.05	1.03	1.00	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.89
2	0.97	0.92	0.87	0.95	0.91	0.86	0.92	0.88	0.84	0.89	0.85	0.83	0.86	0.83	0.81	0.79
3	0.88	0.82	0.76	0.86	0.80	0.76	0.84	0.79	0.74	0.81	0.77	0.73	0.79	0.75	0.72	0.70
4	0.80	0.73	0.67	0.79	0.72	0.67	0.76	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.62
5	0.73	0.65	0.60	0.72	0.65	0.60	0.70	0.64	0.59	0.68	0.63	0.58	0.66	0.61	0.58	0.56
6	0.67	0.59	0.54	0.66	0.59	0.53	0.64	0.58	0.53	0.62	0.57	0.53	0.61	0.56	0.52	0.50
7	0.61	0.54	0.48	0.61	0.53	0.48	0.59	0.53	0.48	0.58	0.52	0.48	0.56	0.51	0.47	0.46
8	0.57	0.49	0.44	0.56	0.49	0.44	0.55	0.48	0.44	0.53	0.48	0.43	0.52	0.47	0.43	0.41
9	0.52	0.45	0.40	0.52	0.45	0.40	0.51	0.44	0.40	0.50	0.44	0.40	0.49	0.43	0.39	0.38
10	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.40	0.36	0.45	0.40	0.36	0.35



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	10310.35	10692.62	10687.54	10678.40	10664.99	10644.68	10625.18	10602.64	10574.00
22.5	10310.35	10314.41	10314.21	10310.14	10304.05	10292.88	10278.66	10263.43	10236.00
45.0	10310.35	10317.46	10323.55	10324.36	10322.33	10316.24	10303.03	10290.85	10275.61
67.5	10310.35	10321.52	10328.63	10329.64	10327.61	10323.55	10315.42	10305.27	10288.00
90.0	10310.35	10320.50	10324.56	10332.69	10330.66	10328.63	10320.50	10312.38	10300.19
112.5	10310.35	10321.52	10328.63	10329.64	10327.61	10323.55	10315.42	10305.27	10288.00
135.0	10310.35	10317.46	10323.55	10324.36	10322.33	10316.24	10303.03	10290.85	10275.61
157.5	10310.35	10314.41	10314.21	10310.14	10304.05	10292.88	10278.66	10263.43	10236.00
180.0	10310.35	10692.62	10687.54	10678.40	10664.99	10644.68	10625.18	10602.64	10574.00
202.5	10310.35	10303.24	10295.32	10281.30	10263.02	10240.88	10217.72	10190.50	10156.18
225.0	10310.35	10300.19	10281.91	10264.85	10241.49	10216.10	10182.79	10148.26	10112.71
247.5	10310.35	10299.17	10276.83	10254.49	10233.16	10203.71	10170.19	10136.68	10091.99
270.0	10310.35	10296.13	10279.88	10261.39	10228.90	10200.46	10169.79	10133.23	10096.46
292.5	10310.35	10299.17	10276.83	10254.49	10233.16	10203.71	10170.19	10136.68	10091.99
315.0	10310.35	10300.19	10281.91	10264.85	10241.49	10216.10	10182.79	10148.26	10112.71
337.5	10310.35	10303.24	10295.32	10281.30	10263.02	10240.88	10217.72	10190.50	10156.18
360.0	10310.35	10692.62	10687.54	10678.40	10664.99	10644.68	10625.18	10602.64	10574.00
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	10541.29	10509.61	10467.76	10425.92	10370.67	10322.53	10271.55	10208.18	10148.87
22.5	10216.71	10188.27	10148.66	10114.13	10075.74	10035.12	9984.54	9931.73	9878.11
45.0	10258.35	10237.02	10205.33	10176.90	10139.32	10101.74	10046.90	10004.25	9952.45
67.5	10271.55	10250.22	10228.90	10200.46	10165.93	10126.32	10086.71	10035.73	9990.03
90.0	10281.91	10288.00	10257.33	10226.86	10196.40	10161.66	10125.10	10080.21	10029.23
112.5	10271.55	10250.22	10228.90	10200.46	10165.93	10126.32	10086.71	10035.73	9990.03
135.0	10258.35	10237.02	10205.33	10176.90	10139.32	10101.74	10046.90	10004.25	9952.45
157.5	10216.71	10188.27	10148.66	10114.13	10075.74	10035.12	9984.54	9931.73	9878.11
180.0	10541.29	10509.61	10467.76	10425.92	10370.67	10322.53	10271.55	10208.18	10148.87
202.5	10116.77	10079.40	10029.03	9984.54	9932.14	9881.56	9819.00	9761.31	9697.74
225.0	10076.35	10028.62	9975.81	9929.29	9875.47	9819.81	9761.92	9702.00	9625.02
247.5	10053.40	10003.64	9954.89	9911.01	9850.08	9788.13	9726.17	9662.19	9580.94
270.0	10047.71	10006.89	9958.14	9907.15	9833.83	9774.72	9711.55	9646.55	9579.32
292.5	10053.40	10003.64	9954.89	9911.01	9850.08	9788.13	9726.17	9662.19	9580.94
315.0	10076.35	10028.62	9975.81	9929.29	9875.47	9819.81	9761.92	9702.00	9625.02
337.5	10116.77	10079.40	10029.03	9984.54	9932.14	9881.56	9819.00	9761.31	9697.74
360.0	10541.29	10509.61	10467.76	10425.92	10370.67	10322.53	10271.55	10208.18	10148.87
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	10078.38	10008.71	9927.06	9856.37	9765.58	9676.61	9561.04	9459.89	9357.72
22.5	9822.25	9757.45	9691.65	9605.73	9537.68	9458.87	9358.53	9268.34	9175.11
45.0	9900.65	9833.62	9771.67	9706.88	9638.83	9547.43	9471.26	9380.87	9274.23
67.5	9939.25	9877.30	9816.16	9753.19	9689.21	9621.16	9540.73	9445.26	9349.79
90.0	9980.48	9929.50	9872.42	9793.00	9730.03	9660.77	9587.44	9493.81	9408.29
112.5	9939.25	9877.30	9816.16	9753.19	9689.21	9621.16	9540.73	9445.26	9349.79
135.0	9900.65	9833.62	9771.67	9706.88	9638.83	9547.43	9471.26	9380.87	9274.23
157.5	9822.25	9757.45	9691.65	9605.73	9537.68	9458.87	9358.53	9268.34	9175.11
180.0	10078.38	10008.71	9927.06	9856.37	9765.58	9676.61	9561.04	9459.89	9357.72
202.5	9623.80	9546.21	9463.34	9382.50	9305.72	9197.86	9102.80	8987.43	8881.40
225.0	9554.94	9482.02	9395.70	9289.27	9200.10	9106.66	9005.30	8900.90	8777.20
247.5	9504.77	9413.37	9331.92	9245.59	9138.96	9043.29	8942.74	8817.82	8712.20
270.0	9501.93	9400.17	9314.45	9226.91	9133.27	9019.32	8915.32	8809.50	8693.52
292.5	9504.77	9413.37	9331.92	9245.59	9138.96	9043.29	8942.74	8817.82	8712.20
315.0	9554.94	9482.02	9395.70	9289.27	9200.10	9106.66	9005.30	8900.90	8777.20
337.5	9623.80	9546.21	9463.34	9382.50	9305.72	9197.86	9102.80	8987.43	8881.40
360.0	10078.38	10008.71	9927.06	9856.37	9765.58	9676.61	9561.04	9459.89	9357.72

Intensity data(cd)

Page: 19 Total:24

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	9245.19	9108.29	8968.13	8830.21	8680.92	8524.52	8313.89	8149.36	7953.14
22.5	9048.57	8941.52	8823.92	8700.42	8556.61	8399.60	8222.68	8054.70	7875.55
45.0	9186.08	9073.35	8960.62	8841.79	8704.89	8539.15	8388.02	8227.56	8024.64
67.5	9260.22	9158.66	9042.68	8925.88	8783.70	8638.27	8494.05	8338.46	8139.20
90.0	9314.45	9216.75	9092.65	8976.46	8833.87	8721.95	8559.05	8377.87	8206.64
112.5	9260.22	9158.66	9042.68	8925.88	8783.70	8638.27	8494.05	8338.46	8139.20
135.0	9186.08	9073.35	8960.62	8841.79	8704.89	8539.15	8388.02	8227.56	8024.64
157.5	9048.57	8941.52	8823.92	8700.42	8556.61	8399.60	8222.68	8054.70	7875.55
180.0	9245.19	9108.29	8968.13	8830.21	8680.92	8524.52	8313.89	8149.36	7953.14
202.5	8756.28	8635.02	8493.44	8355.12	8176.37	8015.91	7818.48	7633.64	7434.58
225.0	8640.09	8514.36	8366.29	8222.28	8068.11	7874.13	7665.32	7488.00	7284.07
247.5	8567.78	8437.79	8297.64	8137.17	7938.93	7768.31	7587.33	7394.36	7153.46
270.0	8528.58	8400.21	8261.68	8113.00	7931.82	7760.79	7581.64	7386.03	7176.21
292.5	8567.78	8437.79	8297.64	8137.17	7938.93	7768.31	7587.33	7394.36	7153.46
315.0	8640.09	8514.36	8366.29	8222.28	8068.11	7874.13	7665.32	7488.00	7284.07
337.5	8756.28	8635.02	8493.44	8355.12	8176.37	8015.91	7818.48	7633.64	7434.58
360.0	9245.19	9108.29	8968.13	8830.21	8680.92	8524.52	8313.89	8149.36	7953.14
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	7721.99	7437.83	7188.40	6891.03	6623.12	6265.42	5937.18	5590.66	4947.18
22.5	7642.37	7447.17	7215.41	6925.36	6623.93	6331.44	6019.65	5663.79	5257.14
45.0	7835.94	7611.50	7387.05	7098.82	6830.91	6540.45	6203.27	5845.17	5496.01
67.5	7954.36	7753.07	7519.28	7262.13	6997.87	6663.54	6352.56	6020.26	5639.21
90.0	8023.42	7823.96	7575.55	7341.35	7080.54	6801.66	6386.28	6054.18	5695.88
112.5	7954.36	7753.07	7519.28	7262.13	6997.87	6663.54	6352.56	6020.26	5639.21
135.0	7835.94	7611.50	7387.05	7098.82	6830.91	6540.45	6203.27	5845.17	5496.01
157.5	7642.37	7447.17	7215.41	6925.36	6623.93	6331.44	6019.65	5663.79	5257.14
180.0	7721.99	7437.83	7188.40	6891.03	6623.12	6265.42	5937.18	5590.66	4947.18
202.5	7201.40	6952.58	6700.10	6400.70	6092.77	5761.49	5437.10	5070.27	4605.94
225.0	7029.36	6767.74	6510.18	6210.79	5916.87	5584.77	5203.52	4758.68	4456.85
247.5	6928.00	6667.80	6409.84	6108.01	5813.28	5450.71	5067.43	4725.98	4288.46
270.0	6877.02	6634.70	6373.89	6090.94	5740.56	5426.95	5095.05	4697.95	4048.78
292.5	6928.00	6667.80	6409.84	6108.01	5813.28	5450.71	5067.43	4725.98	4288.46
315.0	7029.36	6767.74	6510.18	6210.79	5916.87	5584.77	5203.52	4758.68	4456.85
337.5	7201.40	6952.58	6700.10	6400.70	6092.77	5761.49	5437.10	5070.27	4605.94
360.0	7721.99	7437.83	7188.40	6891.03	6623.12	6265.42	5937.18	5590.66	4947.18
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	4733.50	4414.19	3997.39	3620.20	3168.26	2840.02	2543.46	2302.97	2020.23
22.5	4893.96	4519.61	4141.40	3639.09	3303.74	2941.98	2635.07	2367.76	2080.35
45.0	5128.77	4684.95	4268.35	3846.07	3465.63	3082.14	2730.54	2452.87	2211.57
67.5	5269.33	4822.87	4396.32	3995.97	3602.53	3165.82	2830.47	2536.96	2266.81
90.0	5319.09	4862.88	4467.82	4062.59	3598.26	3217.62	2871.30	2529.24	2280.83
112.5	5269.33	4822.87	4396.32	3995.97	3602.53	3165.82	2830.47	2536.96	2266.81
135.0	5128.77	4684.95	4268.35	3846.07	3465.63	3082.14	2730.54	2452.87	2211.57
157.5	4893.96	4519.61	4141.40	3639.09	3303.74	2941.98	2635.07	2367.76	2080.35
180.0	4733.50	4414.19	3997.39	3620.20	3168.26	2840.02	2543.46	2302.97	2020.23
202.5	4337.82	3835.71	3513.97	3192.02	2827.63	2524.37	2259.10	1984.48	1796.39
225.0	4022.78	3670.98	3306.79	2984.23	2661.48	2310.08	2071.41	1869.51	1694.63
247.5	3898.07	3589.73	3194.87	2849.56	2534.73	2238.17	1989.96	1796.39	1616.02
270.0	3926.30	3556.01	3190.60	2844.69	2482.12	2214.21	1985.70	1791.11	1573.77
292.5	3898.07	3589.73	3194.87	2849.56	2534.73	2238.17	1989.96	1796.39	1616.02
315.0	4022.78	3670.98	3306.79	2984.23	2661.48	2310.08	2071.41	1869.51	1694.63
337.5	4337.82	3835.71	3513.97	3192.02	2827.63	2524.37	2259.10	1984.48	1796.39
360.0	4733.50	4414.19	3997.39	3620.20	3168.26	2840.02	2543.46	2302.97	2020.23

Equipment:
Temperature(°C): 25.0

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

Operator: Meteor
Distance(m): 14.25

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	1836.61	1678.17	1539.04	1411.07	1276.40	1182.97	1098.88	1022.91	940.04
22.5	1888.61	1724.08	1580.68	1439.10	1336.32	1228.26	1158.80	1035.30	969.69
45.0	2005.81	1791.72	1650.96	1519.13	1400.51	1271.73	1175.45	1116.75	1010.93
67.5	2026.93	1848.18	1700.72	1541.47	1408.23	1312.76	1212.22	1127.72	1062.92
90.0	2066.94	1857.12	1677.97	1568.08	1429.56	1327.79	1234.15	1136.25	1056.83
112.5	2026.93	1848.18	1700.72	1541.47	1408.23	1312.76	1212.22	1127.72	1062.92
135.0	2005.81	1791.72	1650.96	1519.13	1400.51	1271.73	1175.45	1116.75	1010.93
157.5	1888.61	1724.08	1580.68	1439.10	1336.32	1228.26	1158.80	1035.30	969.69
180.0	1836.61	1678.17	1539.04	1411.07	1276.40	1182.97	1098.88	1022.91	940.04
202.5	1619.47	1480.74	1351.96	1245.94	1150.67	1049.72	964.01	901.24	833.81
225.0	1533.55	1379.99	1269.09	1169.97	1069.02	983.50	913.63	849.45	786.07
247.5	1473.43	1320.89	1215.06	1120.61	1029.41	940.65	873.01	811.26	749.71
270.0	1435.45	1314.79	1192.31	1099.69	1016.00	940.65	850.87	799.88	743.21
292.5	1473.43	1320.89	1215.06	1120.61	1029.41	940.65	873.01	811.26	749.71
315.0	1533.55	1379.99	1269.09	1169.97	1069.02	983.50	913.63	849.45	786.07
337.5	1619.47	1480.74	1351.96	1245.94	1150.67	1049.72	964.01	901.24	833.81
360.0	1836.61	1678.17	1539.04	1411.07	1276.40	1182.97	1098.88	1022.91	940.04
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	906.52	816.54	761.50	697.72	655.26	607.73	566.91	523.44	487.89
22.5	909.98	879.30	783.03	722.29	675.17	631.30	589.86	548.22	512.06
45.0	947.35	909.16	815.32	757.23	704.22	658.31	615.66	568.13	524.86
67.5	985.94	894.13	835.84	786.28	735.70	677.40	634.14	589.86	551.47
90.0	1046.68	922.37	843.76	789.12	738.75	691.42	639.83	598.59	559.80
112.5	985.94	894.13	835.84	786.28	735.70	677.40	634.14	589.86	551.47
135.0	947.35	909.16	815.32	757.23	704.22	658.31	615.66	568.13	524.86
157.5	909.98	879.30	783.03	722.29	675.17	631.30	589.86	548.22	512.06
180.0	906.52	816.54	761.50	697.72	655.26	607.73	566.91	523.44	487.89
202.5	771.24	719.25	667.65	619.31	570.36	532.17	496.42	460.07	428.18
225.0	731.64	672.73	626.83	577.27	537.66	497.64	463.11	427.77	397.10
247.5	693.04	649.17	597.58	553.30	512.06	476.72	443.82	412.54	373.54
270.0	691.22	627.64	583.77	543.14	504.75	464.13	431.63	401.36	372.72
292.5	693.04	649.17	597.58	553.30	512.06	476.72	443.82	412.54	373.54
315.0	731.64	672.73	626.83	577.27	537.66	497.64	463.11	427.77	397.10
337.5	771.24	719.25	667.65	619.31	570.36	532.17	496.42	460.07	428.18
360.0	906.52	816.54	761.50	697.72	655.26	607.73	566.91	523.44	487.89
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	454.58	417.61	389.79	354.44	327.43	301.43	275.63	246.18	221.20
22.5	472.05	439.75	408.88	377.40	344.69	318.09	291.88	262.02	234.20
45.0	489.72	456.41	425.33	395.47	367.04	337.38	305.49	278.68	251.67
67.5	515.52	478.75	446.25	412.74	381.46	350.79	325.40	291.48	264.26
90.0	523.44	488.71	455.80	424.52	384.51	355.87	328.04	295.54	267.71
112.5	515.52	478.75	446.25	412.74	381.46	350.79	325.40	291.48	264.26
135.0	489.72	456.41	425.33	395.47	367.04	337.38	305.49	278.68	251.67
157.5	472.05	439.75	408.88	377.40	344.69	318.09	291.88	262.02	234.20
180.0	454.58	417.61	389.79	354.44	327.43	301.43	275.63	246.18	221.20
202.5	393.04	364.80	333.93	308.54	282.54	259.38	234.81	212.46	186.67
225.0	363.58	336.98	309.76	284.16	261.62	235.42	213.68	190.53	167.17
247.5	346.32	320.52	293.91	270.56	246.59	223.43	201.29	180.98	157.62
270.0	336.77	311.18	286.80	264.06	238.87	218.76	198.85	179.15	152.34
292.5	346.32	320.52	293.91	270.56	246.59	223.43	201.29	180.98	157.62
315.0	363.58	336.98	309.76	284.16	261.62	235.42	213.68	190.53	167.17
337.5	393.04	364.80	333.93	308.54	282.54	259.38	234.81	212.46	186.67
360.0	454.58	417.61	389.79	354.44	327.43	301.43	275.63	246.18	221.20

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	195.60	165.54	138.53	114.15	91.40	69.87	53.83	42.25	34.12
22.5	206.37	180.57	152.95	127.56	101.15	79.62	61.34	47.12	35.95
45.0	224.04	189.31	161.48	134.87	107.45	81.04	62.36	45.70	36.76
67.5	237.04	209.21	176.92	147.06	120.04	94.04	68.86	47.73	38.19
90.0	239.68	210.84	182.20	145.23	119.23	97.90	66.42	48.14	35.55
112.5	237.04	209.21	176.92	147.06	120.04	94.04	68.86	47.73	38.19
135.0	224.04	189.31	161.48	134.87	107.45	81.04	62.36	45.70	36.76
157.5	206.37	180.57	152.95	127.56	101.15	79.62	61.34	47.12	35.95
180.0	195.60	165.54	138.53	114.15	91.40	69.87	53.83	42.25	34.12
202.5	165.95	139.34	117.00	92.42	72.11	53.62	41.03	33.72	29.05
225.0	145.84	120.65	99.73	78.81	60.53	46.11	36.56	29.45	26.81
247.5	137.72	117.61	95.47	76.17	55.86	41.44	33.31	28.23	25.80
270.0	132.43	112.12	92.62	74.34	54.44	39.41	30.06	27.42	24.78
292.5	137.72	117.61	95.47	76.17	55.86	41.44	33.31	28.23	25.80
315.0	145.84	120.65	99.73	78.81	60.53	46.11	36.56	29.45	26.81
337.5	165.95	139.34	117.00	92.42	72.11	53.62	41.03	33.72	29.05
360.0	195.60	165.54	138.53	114.15	91.40	69.87	53.83	42.25	34.12
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	29.05	26.41	24.78	22.95	21.53	19.91	18.69	17.47	16.45
22.5	30.06	27.83	25.39	23.76	21.94	20.52	18.89	17.67	16.86
45.0	30.47	28.03	26.00	24.37	22.34	20.72	19.50	18.48	17.06
67.5	31.89	29.45	27.42	25.59	23.16	21.53	20.11	18.89	17.67
90.0	31.69	29.25	27.01	25.39	23.36	21.33	19.91	18.69	17.47
112.5	31.89	29.45	27.42	25.59	23.16	21.53	20.11	18.89	17.67
135.0	30.47	28.03	26.00	24.37	22.34	20.72	19.50	18.48	17.06
157.5	30.06	27.83	25.39	23.76	21.94	20.52	18.89	17.67	16.86
180.0	29.05	26.41	24.78	22.95	21.53	19.91	18.69	17.47	16.45
202.5	26.41	24.58	22.95	21.12	19.50	18.08	17.06	15.84	15.23
225.0	24.78	23.16	21.53	19.70	18.48	17.06	16.25	15.44	14.22
247.5	24.17	22.14	20.31	18.89	17.87	16.45	15.44	14.83	14.02
270.0	23.36	21.94	19.70	18.28	17.06	15.84	15.03	14.22	13.61
292.5	24.17	22.14	20.31	18.89	17.87	16.45	15.44	14.83	14.02
315.0	24.78	23.16	21.53	19.70	18.48	17.06	16.25	15.44	14.22
337.5	26.41	24.58	22.95	21.12	19.50	18.08	17.06	15.84	15.23
360.0	29.05	26.41	24.78	22.95	21.53	19.91	18.69	17.47	16.45
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	15.64	14.62	14.02	13.41	12.80	12.39	11.98	11.37	10.97
22.5	15.84	15.03	14.42	13.61	13.00	12.59	11.98	11.58	11.17
45.0	16.25	15.23	14.62	13.81	13.20	12.80	12.19	11.78	11.37
67.5	16.66	15.64	15.03	14.42	13.61	13.20	12.59	11.98	11.58
90.0	16.45	15.64	14.83	14.42	13.61	13.00	12.39	11.98	11.37
112.5	16.66	15.64	15.03	14.42	13.61	13.20	12.59	11.98	11.58
135.0	16.25	15.23	14.62	13.81	13.20	12.80	12.19	11.78	11.37
157.5	15.84	15.03	14.42	13.61	13.00	12.59	11.98	11.58	11.17
180.0	15.64	14.62	14.02	13.41	12.80	12.39	11.98	11.37	10.97
202.5	14.42	13.61	13.00	12.39	11.98	11.58	11.17	10.56	10.36
225.0	13.61	13.20	12.59	11.98	11.37	11.17	10.56	10.16	9.75
247.5	13.20	12.80	12.19	11.78	11.17	10.97	10.36	10.16	9.75
270.0	12.80	12.39	11.98	11.17	10.97	10.56	10.16	9.75	9.55
292.5	13.20	12.80	12.19	11.78	11.17	10.97	10.36	10.16	9.75
315.0	13.61	13.20	12.59	11.98	11.37	11.17	10.56	10.16	9.75
337.5	14.42	13.61	13.00	12.39	11.98	11.58	11.17	10.56	10.36
360.0	15.64	14.62	14.02	13.41	12.80	12.39	11.98	11.37	10.97

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	10.77	10.36	9.95	9.75	9.34	9.14	8.94	8.73	8.53
22.5	10.77	10.36	10.16	9.75	9.55	9.14	8.94	8.73	8.53
45.0	10.97	10.56	10.16	9.75	9.55	9.14	8.94	8.73	8.53
67.5	11.17	10.77	10.36	9.95	9.75	9.14	8.94	8.73	8.53
90.0	10.97	10.56	10.36	9.75	9.55	9.14	8.94	8.73	8.33
112.5	11.17	10.77	10.36	9.95	9.75	9.14	8.94	8.73	8.53
135.0	10.97	10.56	10.16	9.75	9.55	9.14	8.94	8.73	8.53
157.5	10.77	10.36	10.16	9.75	9.55	9.14	8.94	8.73	8.53
180.0	10.77	10.36	9.95	9.75	9.34	9.14	8.94	8.73	8.53
202.5	9.95	9.75	9.14	8.94	8.73	8.53	8.33	8.12	7.92
225.0	9.55	9.34	8.94	8.73	8.53	8.33	8.12	7.92	7.92
247.5	9.55	9.14	8.94	8.73	8.53	8.12	7.92	7.92	7.92
270.0	9.14	8.94	8.73	8.53	8.33	8.12	7.92	7.92	7.72
292.5	9.55	9.14	8.94	8.73	8.53	8.12	7.92	7.92	7.92
315.0	9.55	9.34	8.94	8.73	8.53	8.33	8.12	7.92	7.92
337.5	9.95	9.75	9.14	8.94	8.73	8.53	8.33	8.12	7.92
360.0	10.77	10.36	9.95	9.75	9.34	9.14	8.94	8.73	8.53
C/ γ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	8.53	8.33	8.33	8.33	8.53	8.53	8.53	8.73	8.94
22.5	8.53	8.53	8.33	8.33	8.33	8.53	8.73	8.73	8.94
45.0	8.33	8.33	8.12	8.12	8.12	8.33	8.53	8.53	8.73
67.5	8.33	8.12	8.33	8.12	8.12	8.33	8.33	8.53	8.73
90.0	8.12	8.12	7.92	8.12	8.12	8.12	8.12	8.33	8.53
112.5	8.33	8.12	8.33	8.12	8.12	8.33	8.33	8.53	8.73
135.0	8.33	8.33	8.12	8.12	8.12	8.33	8.53	8.53	8.73
157.5	8.53	8.53	8.33	8.33	8.33	8.53	8.73	8.73	8.94
180.0	8.53	8.33	8.33	8.33	8.53	8.53	8.53	8.73	8.94
202.5	7.92	7.92	7.72	7.92	7.92	8.12	8.12	8.33	8.53
225.0	7.72	7.72	7.92	7.92	7.92	8.12	8.33	8.53	8.73
247.5	7.92	7.92	7.72	8.12	8.12	8.12	8.53	8.73	8.94
270.0	7.72	7.72	7.92	7.72	7.92	8.12	8.33	8.53	8.73
292.5	7.92	7.92	7.72	8.12	8.12	8.12	8.53	8.73	8.94
315.0	7.72	7.72	7.92	7.92	7.92	8.12	8.33	8.53	8.73
337.5	7.92	7.92	7.72	7.92	7.92	8.12	8.12	8.33	8.53
360.0	8.53	8.33	8.33	8.33	8.53	8.53	8.53	8.73	8.94
C/ γ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	9.34	9.55	9.75	10.16	10.36	10.77	11.17	11.37	11.78
22.5	9.14	9.34	9.75	9.75	10.16	10.56	10.97	11.17	11.58
45.0	8.94	9.14	9.34	9.75	10.16	10.16	10.56	11.17	11.37
67.5	8.73	8.94	9.34	9.55	9.95	10.16	10.56	10.77	11.17
90.0	8.73	9.14	9.14	9.55	9.75	9.95	10.36	10.77	11.17
112.5	8.73	8.94	9.34	9.55	9.95	10.16	10.56	10.77	11.17
135.0	8.94	9.14	9.34	9.75	10.16	10.16	10.56	11.17	11.37
157.5	9.14	9.34	9.75	9.75	10.16	10.56	10.97	11.17	11.58
180.0	9.34	9.55	9.75	10.16	10.36	10.77	11.17	11.37	11.78
202.5	8.73	8.94	9.34	9.55	9.95	10.36	10.56	10.97	11.37
225.0	8.94	9.34	9.55	9.95	10.16	10.56	10.97	11.37	11.78
247.5	9.14	9.55	9.75	9.95	10.36	10.77	11.17	11.58	11.78
270.0	8.94	9.55	9.55	9.95	10.56	10.77	10.97	11.58	11.98
292.5	9.14	9.55	9.75	9.95	10.36	10.77	11.17	11.58	11.78
315.0	8.94	9.34	9.55	9.95	10.16	10.56	10.97	11.37	11.78
337.5	8.73	8.94	9.34	9.55	9.95	10.36	10.56	10.97	11.37
360.0	9.34	9.55	9.75	10.16	10.36	10.77	11.17	11.37	11.78

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	12.19	12.80	13.00	13.61	14.02	14.22	14.62	15.03	15.44
22.5	11.98	12.39	12.80	13.20	13.61	14.02	14.42	14.62	15.03
45.0	11.78	12.19	12.59	13.00	13.41	13.61	14.02	14.42	14.83
67.5	11.58	11.78	12.39	12.80	13.20	13.61	14.02	14.22	14.62
90.0	11.37	11.78	12.39	12.80	13.20	13.41	13.81	14.22	14.62
112.5	11.58	11.78	12.39	12.80	13.20	13.61	14.02	14.22	14.62
135.0	11.78	12.19	12.59	13.00	13.41	13.61	14.02	14.42	14.83
157.5	11.98	12.39	12.80	13.20	13.61	14.02	14.42	14.62	15.03
180.0	12.19	12.80	13.00	13.61	14.02	14.22	14.62	15.03	15.44
202.5	11.78	12.19	12.59	13.00	13.41	13.61	14.02	14.42	14.62
225.0	11.98	12.39	13.00	13.20	13.61	14.02	14.22	14.62	15.03
247.5	12.39	12.80	13.20	13.41	13.81	14.02	14.62	14.83	15.23
270.0	12.39	12.59	13.20	13.41	13.81	14.42	14.62	14.83	15.23
292.5	12.39	12.80	13.20	13.41	13.81	14.02	14.62	14.83	15.23
315.0	11.98	12.39	13.00	13.20	13.61	14.02	14.22	14.62	15.03
337.5	11.78	12.19	12.59	13.00	13.41	13.61	14.02	14.42	14.62
360.0	12.19	12.80	13.00	13.61	14.02	14.22	14.62	15.03	15.44
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	15.64	16.05	16.25	16.45	16.66	16.86	16.86	17.06	17.27
22.5	15.44	15.84	16.05	16.25	16.45	16.66	16.86	16.86	17.06
45.0	15.03	15.44	15.64	16.05	16.25	16.45	16.45	16.66	16.86
67.5	15.03	15.44	15.64	16.05	16.25	16.45	16.45	16.66	16.66
90.0	14.83	15.44	15.64	15.84	16.05	16.25	16.66	16.66	16.66
112.5	15.03	15.44	15.64	16.05	16.25	16.45	16.45	16.66	16.66
135.0	15.03	15.44	15.64	16.05	16.25	16.45	16.45	16.66	16.86
157.5	15.44	15.84	16.05	16.25	16.45	16.66	16.86	16.86	17.06
180.0	15.64	16.05	16.25	16.45	16.66	16.86	16.86	17.06	17.27
202.5	15.03	15.44	15.64	15.64	15.84	16.05	16.05	16.45	16.45
225.0	15.23	15.44	15.84	16.05	16.05	16.45	16.45	16.66	16.66
247.5	15.44	15.84	16.05	16.25	16.45	16.45	16.66	16.66	16.86
270.0	15.64	15.84	16.05	16.25	16.45	16.45	16.66	16.45	16.66
292.5	15.44	15.84	16.05	16.25	16.45	16.45	16.66	16.66	16.86
315.0	15.23	15.44	15.84	16.05	16.05	16.45	16.45	16.66	16.66
337.5	15.03	15.44	15.64	15.64	15.84	16.05	16.05	16.45	16.45
360.0	15.64	16.05	16.25	16.45	16.66	16.86	16.86	17.06	17.27
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	17.67	17.87	18.08	18.28	18.69	18.69	18.89	19.09	19.09
22.5	17.47	17.47	17.87	18.08	18.28	18.48	18.69	18.89	18.69
45.0	17.06	17.27	17.47	17.87	17.87	18.28	18.48	18.48	18.69
67.5	16.86	17.27	17.47	17.87	18.08	18.28	18.48	18.48	18.69
90.0	16.66	17.06	17.27	17.67	17.87	18.08	18.08	18.48	18.48
112.5	16.86	17.27	17.47	17.87	18.08	18.28	18.48	18.48	18.69
135.0	17.06	17.27	17.47	17.87	17.87	18.28	18.48	18.48	18.69
157.5	17.47	17.47	17.87	18.08	18.28	18.48	18.69	18.89	18.69
180.0	17.67	17.87	18.08	18.28	18.69	18.69	18.89	19.09	19.09
202.5	16.66	16.86	17.27	17.47	17.47	17.87	17.87	17.87	18.08
225.0	16.86	17.06	17.47	17.47	17.87	18.08	18.08	18.08	18.08
247.5	17.06	17.47	17.47	17.67	17.87	18.08	18.28	18.28	18.48
270.0	17.06	17.27	17.67	17.67	18.08	18.08	18.28	18.28	18.28
292.5	17.06	17.47	17.47	17.67	17.87	18.08	18.28	18.28	18.48
315.0	16.86	17.06	17.47	17.47	17.87	18.08	18.08	18.08	18.08
337.5	16.66	16.86	17.27	17.47	17.47	17.87	17.87	17.87	18.08
360.0	17.67	17.87	18.08	18.28	18.69	18.69	18.89	19.09	19.09

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	19.30	19.30	19.30	19.30	19.50	19.50	19.50	19.30	19.30
22.5	18.89	18.89	19.09	18.89	19.09	19.09	19.09	19.09	19.09
45.0	18.48	18.89	18.89	18.89	18.69	18.89	18.89	18.89	18.89
67.5	18.69	18.69	18.69	18.89	18.89	19.09	18.89	18.89	18.69
90.0	18.69	18.69	18.69	18.89	18.69	19.09	18.89	18.89	18.69
112.5	18.69	18.69	18.69	18.89	18.89	19.09	18.89	18.89	18.69
135.0	18.48	18.89	18.89	18.89	18.69	18.89	18.89	18.89	18.89
157.5	18.89	18.89	19.09	18.89	19.09	19.09	19.09	19.09	19.09
180.0	19.30	19.30	19.30	19.30	19.50	19.50	19.50	19.30	19.30
202.5	18.08	18.28	18.28	18.48	18.69	18.48	18.48	18.69	18.69
225.0	18.28	18.48	18.48	18.69	18.48	18.69	18.69	18.69	18.69
247.5	18.48	18.48	18.69	18.69	18.69	18.89	18.89	18.89	18.89
270.0	18.48	18.48	18.69	18.69	18.69	18.89	18.69	18.69	18.69
292.5	18.48	18.48	18.69	18.69	18.69	18.89	18.89	18.89	18.89
315.0	18.28	18.48	18.48	18.69	18.48	18.69	18.69	18.69	18.69
337.5	18.08	18.28	18.28	18.48	18.69	18.48	18.48	18.69	18.69
360.0	19.30	19.30	19.30	19.30	19.50	19.50	19.50	19.30	19.30
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	19.30	19.50	19.50	19.50	19.70	19.91	19.91	20.11	20.31
22.5	18.69	18.89	18.89	18.69	18.69	19.09	19.09	19.30	19.50
45.0	18.48	18.69	18.89	18.69	18.69	18.89	19.09	19.30	19.50
67.5	18.69	18.89	18.69	18.69	18.69	19.09	19.09	19.30	19.50
90.0	18.69	18.69	18.89	18.69	18.69	18.89	19.09	19.30	19.70
112.5	18.69	18.89	18.69	18.69	18.69	19.09	19.09	19.30	19.50
135.0	18.48	18.69	18.89	18.69	18.69	18.89	19.09	19.30	19.50
157.5	18.69	18.89	18.89	18.69	18.69	19.09	19.09	19.30	19.50
180.0	19.30	19.50	19.50	19.50	19.70	19.91	19.91	20.11	20.31
202.5	18.69	18.69	18.89	19.09	19.09	19.30	19.50	19.50	19.70
225.0	18.69	18.69	18.69	19.09	19.30	19.50	19.50	19.50	19.50
247.5	18.89	18.89	18.89	19.09	19.30	19.50	19.50	19.70	19.70
270.0	18.89	18.69	18.89	19.09	19.30	19.50	19.50	19.50	19.91
292.5	18.89	18.89	18.89	19.09	19.30	19.50	19.50	19.70	19.70
315.0	18.69	18.69	18.69	19.09	19.30	19.50	19.50	19.50	19.50
337.5	18.69	18.69	18.89	19.09	19.09	19.30	19.50	19.50	19.70
360.0	19.30	19.50	19.50	19.50	19.70	19.91	19.91	20.11	20.31
C/γ(°)	180.0								
0.0	19.70								
22.5	19.70								
45.0	19.70								
67.5	19.70								
90.0	19.70								
112.5	19.70								
135.0	19.70								
157.5	19.70								
180.0	19.70								
202.5	19.70								
225.0	19.70								
247.5	19.70								
270.0	19.70								
292.5	19.70								
315.0	19.70								
337.5	19.70								
360.0	19.70								