



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-200CW-B90

Report No:

Voltage(V): 219.8900

Test No:

Current(A): 0.8610

LampCAT:

Power (W): 185.2000

Lamp flux(lm)

PF: 0.9778

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 24422.40

Lumens(lm)/Power(W): 131.87

Central intensity(cd): 11947.230

Maximum intensity(cd): 12579.810

Angle of maximum intensity: $C=0.0 \gamma=2.0$

Beam Angle(50%Imax): [C0/180]Total=93.2

[C90/270]Total=92.1

Field angle(10%Imax): [C0/180]Total=120.6

[C90/270]Total=120.3

Maximum s/h(1/2): C0_180=1.40 C90_270=1.34

Maximum s/h(1/4): C0_180=1.35 C90_270=1.33

Up flux rate of LUM(%): 0.41%

Down flux rate of LUM(%): 99.59%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 94.799%

Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
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	11947.230	.000	.000	.000%	.000%	.000%
1.0	12027.310	11.471	11.471	.047%	.047%	.047%
2.0	12027.450	34.526	45.997	.141%	.188%	.188%
3.0	12025.310	57.526	103.523	.236%	.424%	.424%
4.0	12022.890	80.497	184.020	.330%	.753%	.753%
5.0	12021.500	103.438	287.458	.424%	1.177%	1.177%
6.0	12019.090	126.340	413.798	.517%	1.694%	1.694%
7.0	12013.270	149.169	562.966	.611%	2.305%	2.305%
8.0	12006.410	171.904	734.871	.704%	3.009%	3.009%
9.0	11999.190	194.554	929.425	.797%	3.806%	3.806%
10.0	11988.420	217.081	1146.506	.889%	4.694%	4.694%
11.0	11978.400	239.478	1385.983	.981%	5.675%	5.675%
12.0	11963.670	261.721	1647.705	1.072%	6.747%	6.747%
13.0	11947.180	283.762	1931.466	1.162%	7.909%	7.909%
14.0	11928.930	305.612	2237.078	1.251%	9.160%	9.160%
15.0	11908.360	327.249	2564.327	1.340%	10.500%	10.500%
16.0	11883.870	348.623	2912.950	1.427%	11.927%	11.927%
17.0	11855.940	369.693	3282.642	1.514%	13.441%	13.441%
18.0	11823.970	390.430	3673.073	1.599%	15.040%	15.040%
19.0	11789.050	410.818	4083.891	1.682%	16.722%	16.722%
20.0	11751.080	430.850	4514.741	1.764%	18.486%	18.486%
21.0	11706.280	450.429	4965.169	1.844%	20.330%	20.330%
22.0	11658.170	469.518	5434.688	1.922%	22.253%	22.253%
23.0	11604.430	488.112	5922.800	1.999%	24.252%	24.252%
24.0	11548.690	506.210	6429.010	2.073%	26.324%	26.324%
25.0	11480.250	523.628	6952.638	2.144%	28.468%	28.468%
26.0	11405.720	540.226	7492.864	2.212%	30.680%	30.680%
27.0	11331.810	556.279	8049.143	2.278%	32.958%	32.958%
28.0	11248.770	571.692	8620.836	2.341%	35.299%	35.299%
29.0	11148.210	585.968	9206.804	2.399%	37.698%	37.698%
30.0	11040.570	599.093	9805.896	2.453%	40.151%	40.151%
31.0	10923.490	611.228	10417.120	2.503%	42.654%	42.654%
32.0	10796.020	622.238	11039.360	2.548%	45.202%	45.202%
33.0	10652.370	631.877	11671.240	2.587%	47.789%	47.789%
34.0	10493.820	639.946	12311.190	2.620%	50.409%	50.409%
35.0	10314.540	646.231	12957.420	2.646%	53.055%	53.055%
36.0	10119.770	650.633	13608.050	2.664%	55.720%	55.720%
37.0	9891.056	652.641	14260.690	2.672%	58.392%	58.392%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	9649.049	652.222	14912.910	2.671%	61.062%	61.062%
39.0	9371.147	649.212	15562.120	2.658%	63.721%	63.721%
40.0	9061.305	642.859	16204.980	2.632%	66.353%	66.353%
41.0	8708.762	632.784	16837.770	2.591%	68.944%	68.944%
42.0	8305.573	618.161	17455.930	2.531%	71.475%	71.475%
43.0	7871.330	599.239	18055.170	2.454%	73.929%	73.929%
44.0	7336.312	573.979	18629.140	2.350%	76.279%	76.279%
45.0	6766.806	541.999	19171.140	2.219%	78.498%	78.498%
46.0	6120.920	504.011	19675.160	2.064%	80.562%	80.562%
47.0	5490.129	461.802	20136.960	1.891%	82.453%	82.453%
48.0	4753.036	414.082	20551.040	1.696%	84.148%	84.148%
49.0	4107.254	363.853	20914.890	1.490%	85.638%	85.638%
50.0	3683.340	324.816	21239.710	1.330%	86.968%	86.968%
51.0	3229.049	292.453	21532.160	1.197%	88.166%	88.166%
52.0	2844.627	260.626	21792.790	1.067%	89.233%	89.233%
53.0	2529.405	233.770	22026.560	.957%	90.190%	90.190%
54.0	2256.193	210.929	22237.490	.864%	91.054%	91.054%
55.0	2018.771	190.827	22428.320	.781%	91.835%	91.835%
56.0	1816.670	173.313	22601.630	.710%	92.545%	92.545%
57.0	1635.357	157.835	22759.460	.646%	93.191%	93.191%
58.0	1467.256	143.476	22902.940	.587%	93.778%	93.778%
59.0	1322.266	130.412	23033.350	.534%	94.312%	94.312%
60.0	1194.621	118.907	23152.260	.487%	94.799%	94.799%
61.0	1085.512	108.813	23261.070	.446%	95.245%	95.245%
62.0	990.752	100.047	23361.120	.410%	95.654%	95.654%
63.0	911.270	92.505	23453.620	.379%	96.033%	96.033%
64.0	815.461	84.730	23538.350	.347%	96.380%	96.380%
65.0	739.560	76.957	23615.310	.315%	96.695%	96.695%
66.0	673.179	70.487	23685.800	.289%	96.984%	96.984%
67.0	614.543	64.750	23750.550	.265%	97.249%	97.249%
68.0	558.918	59.444	23809.990	.243%	97.492%	97.492%
69.0	512.408	54.654	23864.640	.224%	97.716%	97.716%
70.0	466.171	50.258	23914.900	.206%	97.922%	97.922%
71.0	425.934	46.109	23961.010	.189%	98.111%	98.111%
72.0	387.921	42.318	24003.330	.173%	98.284%	98.284%
73.0	354.377	38.817	24042.150	.159%	98.443%	98.443%
74.0	322.636	35.592	24077.740	.146%	98.589%	98.589%
75.0	293.484	32.553	24110.290	.133%	98.722%	98.722%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	264.672	29.629	24139.920	.121%	98.843%	98.843%
77.0	239.714	26.892	24166.810	.110%	98.953%	98.953%
78.0	215.428	24.364	24191.170	.100%	99.053%	99.053%
79.0	192.889	21.939	24213.110	.090%	99.143%	99.143%
80.0	170.448	19.588	24232.700	.080%	99.223%	99.223%
81.0	149.298	17.291	24249.990	.071%	99.294%	99.294%
82.0	129.705	15.130	24265.120	.062%	99.356%	99.356%
83.0	109.873	13.024	24278.140	.053%	99.409%	99.409%
84.0	90.051	10.892	24289.040	.045%	99.454%	99.454%
85.0	72.762	8.886	24297.920	.036%	99.490%	99.490%
86.0	56.914	7.088	24305.010	.029%	99.519%	99.519%
87.0	44.260	5.537	24310.550	.023%	99.542%	99.542%
88.0	36.047	4.399	24314.950	.018%	99.560%	99.560%
89.0	31.591	3.707	24318.650	.015%	99.575%	99.575%
90.0	29.038	3.324	24321.980	.014%	99.589%	99.589%
91.0	27.069	3.076	24325.050	.013%	99.601%	99.601%
92.0	25.278	2.869	24327.920	.012%	99.613%	99.613%
93.0	23.678	2.682	24330.600	.011%	99.624%	99.624%
94.0	22.206	2.511	24333.120	.010%	99.634%	99.634%
95.0	20.809	2.351	24335.470	.010%	99.644%	99.644%
96.0	19.641	2.208	24337.670	.009%	99.653%	99.653%
97.0	18.574	2.082	24339.760	.009%	99.662%	99.662%
98.0	17.609	1.967	24341.720	.008%	99.670%	99.670%
99.0	16.785	1.865	24343.590	.008%	99.677%	99.677%
100.0	15.946	1.770	24345.360	.007%	99.685%	99.685%
101.0	15.236	1.681	24347.040	.007%	99.691%	99.691%
102.0	14.550	1.600	24348.640	.007%	99.698%	99.698%
103.0	13.941	1.525	24350.160	.006%	99.704%	99.704%
104.0	13.330	1.454	24351.620	.006%	99.710%	99.710%
105.0	12.823	1.388	24353.010	.006%	99.716%	99.716%
106.0	12.328	1.329	24354.330	.005%	99.721%	99.721%
107.0	11.845	1.271	24355.610	.005%	99.727%	99.727%
108.0	11.426	1.217	24356.820	.005%	99.732%	99.732%
109.0	11.070	1.170	24357.990	.005%	99.736%	99.736%
110.0	10.741	1.127	24359.120	.005%	99.741%	99.741%
111.0	10.398	1.086	24360.210	.004%	99.745%	99.745%
112.0	10.156	1.049	24361.250	.004%	99.750%	99.750%
113.0	9.953	1.019	24362.270	.004%	99.754%	99.754%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	9.814	.994	24363.270	.004%	99.758%	99.758%
115.0	9.611	.969	24364.240	.004%	99.762%	99.762%
116.0	9.572	.949	24365.190	.004%	99.766%	99.766%
117.0	9.547	.938	24366.120	.004%	99.770%	99.770%
118.0	9.484	.926	24367.050	.004%	99.773%	99.773%
119.0	9.623	.921	24367.970	.004%	99.777%	99.777%
120.0	9.686	.921	24368.890	.004%	99.781%	99.781%
121.0	9.852	.923	24369.810	.004%	99.785%	99.785%
122.0	10.068	.931	24370.750	.004%	99.789%	99.789%
123.0	10.271	.941	24371.690	.004%	99.792%	99.792%
124.0	10.576	.953	24372.640	.004%	99.796%	99.796%
125.0	10.918	.971	24373.610	.004%	99.800%	99.800%
126.0	11.261	.990	24374.600	.004%	99.804%	99.804%
127.0	11.642	1.009	24375.610	.004%	99.808%	99.808%
128.0	12.112	1.033	24376.640	.004%	99.813%	99.813%
129.0	12.518	1.057	24377.700	.004%	99.817%	99.817%
130.0	13.026	1.081	24378.780	.004%	99.821%	99.821%
131.0	13.534	1.107	24379.890	.005%	99.826%	99.826%
132.0	14.017	1.131	24381.020	.005%	99.831%	99.831%
133.0	14.537	1.154	24382.170	.005%	99.835%	99.835%
134.0	15.108	1.179	24383.350	.005%	99.840%	99.840%
135.0	15.629	1.202	24384.550	.005%	99.845%	99.845%
136.0	16.149	1.221	24385.780	.005%	99.850%	99.850%
137.0	16.758	1.242	24387.020	.005%	99.855%	99.855%
138.0	17.216	1.259	24388.280	.005%	99.860%	99.860%
139.0	17.711	1.269	24389.540	.005%	99.865%	99.865%
140.0	18.206	1.279	24390.820	.005%	99.871%	99.871%
141.0	18.701	1.287	24392.110	.005%	99.876%	99.876%
142.0	19.108	1.291	24393.400	.005%	99.881%	99.881%
143.0	19.526	1.290	24394.690	.005%	99.887%	99.887%
144.0	19.895	1.286	24395.980	.005%	99.892%	99.892%
145.0	20.313	1.280	24397.260	.005%	99.897%	99.897%
146.0	20.580	1.270	24398.530	.005%	99.902%	99.902%
147.0	20.872	1.254	24399.780	.005%	99.907%	99.907%
148.0	21.050	1.235	24401.010	.005%	99.912%	99.912%
149.0	21.215	1.211	24402.220	.005%	99.917%	99.917%
150.0	21.355	1.185	24403.410	.005%	99.922%	99.922%
151.0	21.482	1.157	24404.570	.005%	99.927%	99.927%

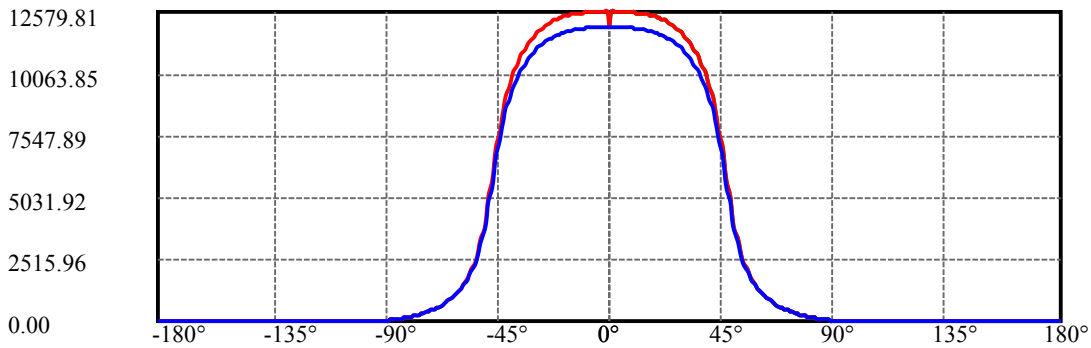
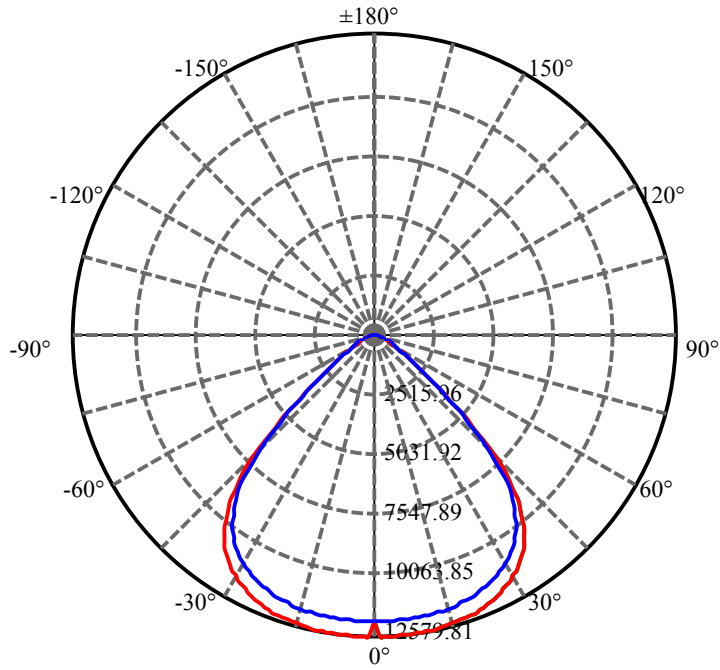
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	21.571	1.126	24405.690	.005%	99.932%	99.932%
153.0	21.787	1.098	24406.790	.004%	99.936%	99.936%
154.0	22.041	1.072	24407.860	.004%	99.940%	99.940%
155.0	22.294	1.047	24408.910	.004%	99.945%	99.945%
156.0	22.548	1.020	24409.930	.004%	99.949%	99.949%
157.0	22.713	.990	24410.920	.004%	99.953%	99.953%
158.0	22.866	.956	24411.880	.004%	99.957%	99.957%
159.0	22.929	.920	24412.800	.004%	99.961%	99.961%
160.0	23.018	.882	24413.680	.004%	99.964%	99.964%
161.0	23.031	.843	24414.520	.003%	99.968%	99.968%
162.0	23.081	.802	24415.330	.003%	99.971%	99.971%
163.0	23.094	.761	24416.090	.003%	99.974%	99.974%
164.0	23.082	.719	24416.810	.003%	99.977%	99.977%
165.0	23.120	.677	24417.480	.003%	99.980%	99.980%
166.0	23.183	.636	24418.120	.003%	99.982%	99.982%
167.0	23.170	.593	24418.710	.002%	99.985%	99.985%
168.0	23.107	.549	24419.260	.002%	99.987%	99.987%
169.0	23.094	.505	24419.770	.002%	99.989%	99.989%
170.0	23.069	.461	24420.230	.002%	99.991%	99.991%
171.0	22.993	.417	24420.640	.002%	99.993%	99.993%
172.0	23.031	.373	24421.020	.002%	99.994%	99.994%
173.0	23.031	.330	24421.350	.001%	99.996%	99.996%
174.0	23.082	.286	24421.630	.001%	99.997%	99.997%
175.0	23.196	.243	24421.880	.001%	99.998%	99.998%
176.0	23.425	.201	24422.080	.001%	99.999%	99.999%
177.0	23.577	.157	24422.240	.001%	99.999%	99.999%
178.0	23.780	.113	24422.350	.000%	100.000%	100.000%
179.0	24.059	.069	24422.420	.000%	100.000%	100.000%
180.0	24.122	.023	24422.440	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	9805.90	40.15%
0-40	16204.98	66.35%
0-60	23152.26	94.80%
0-90	24321.98	99.59%
0-120	24368.89	99.78%
0-180	24422.44	100.00%
60-90	1288.63	5.28%
90-120	50.24	0.21%
90-130	60.13	0.25%
90-150	84.76	0.35%
90-180	103.76	0.42%
0-45.73	19537.96	80.00%

ZONAL LUMEN SUMMARY

0-10	1146.51
10-20	3368.24
20-30	5291.16
30-40	6399.09
40-50	5034.73
50-60	1912.55
60-70	762.64
70-80	317.80
80-90	89.28
90-100	23.38
100-110	13.76
110-120	9.77
120-130	9.89
130-140	12.04
140-150	12.59
150-160	10.27
160-170	6.55
170-180	2.19



C0(Max): ———

C0/C180: ———

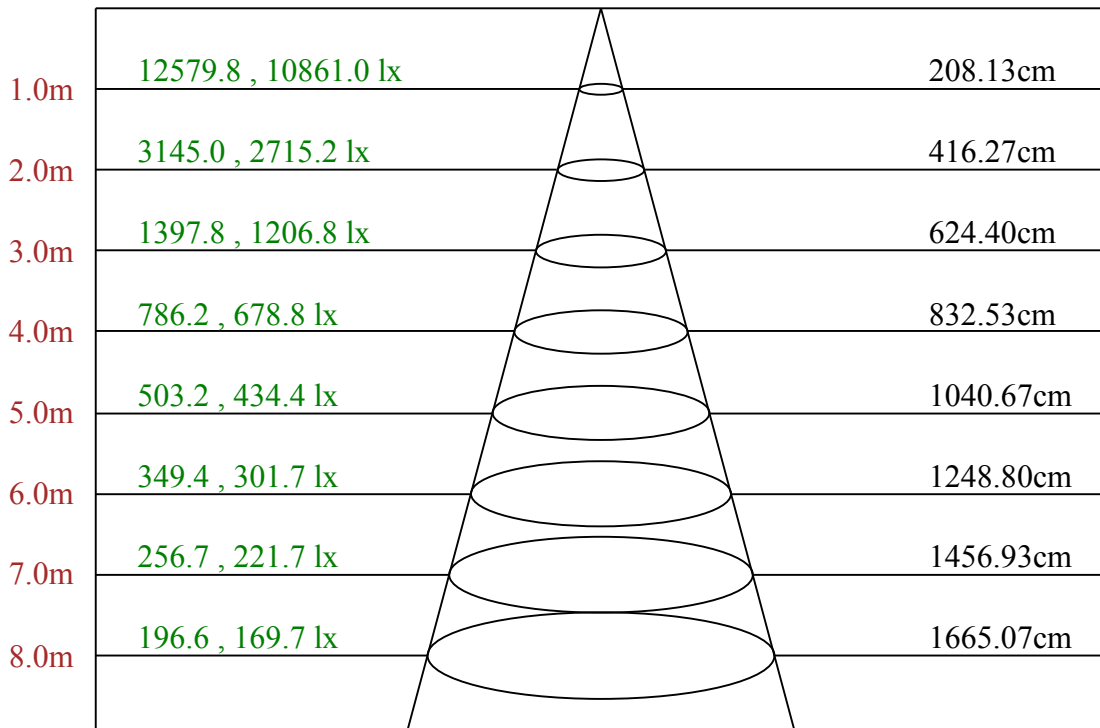
C90/C270: ———

Field angle(10%Imax):C0/180Left:60.3 Right:60.3

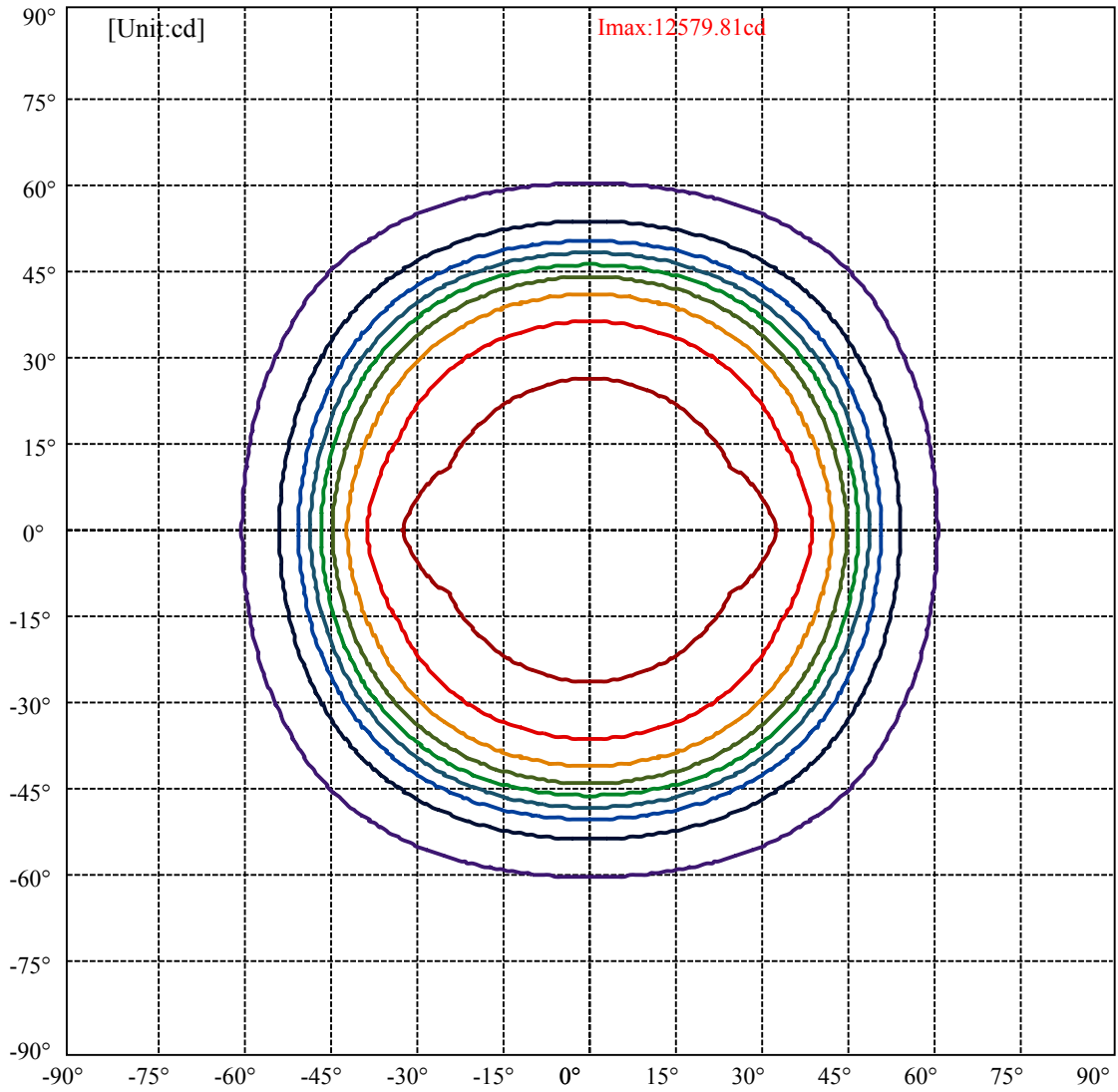
:C90/270Left:60.2 Right:60.2

Beam Angle(50%Imax):C0/180Left:46.6 Right:46.6

:C90/270Left:46.1 Right:46.1



Max , Ave Beam angle of C0plane92.28

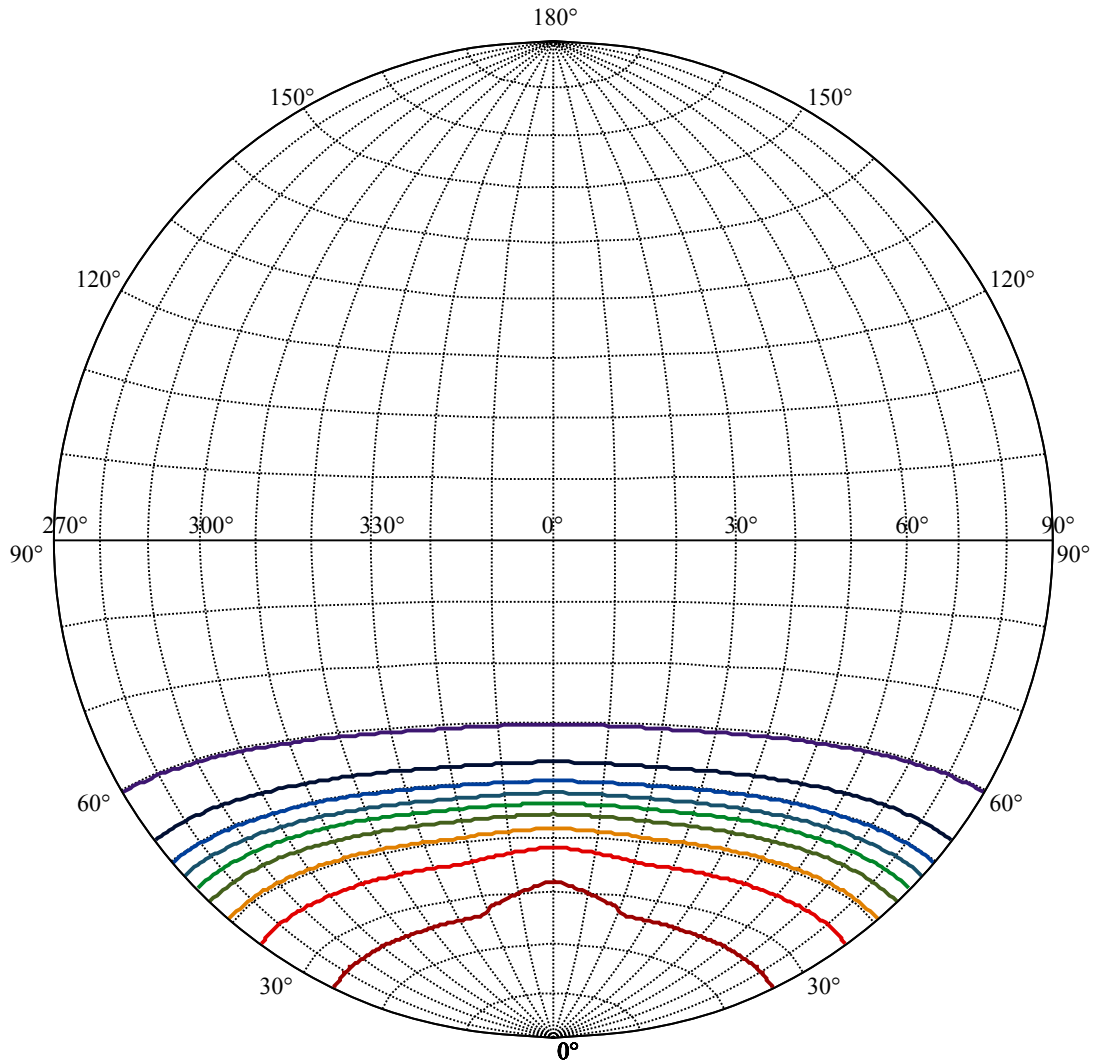


(10%Imax) 1257.98	—
(20%Imax) 2515.96	—
(30%Imax) 3773.94	—
(40%Imax) 5031.92	—
(50%Imax) 6289.9	—
(60%Imax) 7547.88	—
(70%Imax) 8805.87	—
(80%Imax) 10063.8	—
(90%Imax) 11321.8	—

Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
Humidity(%): 60.0%

Operator: Meteor
Distance(m): 14.25



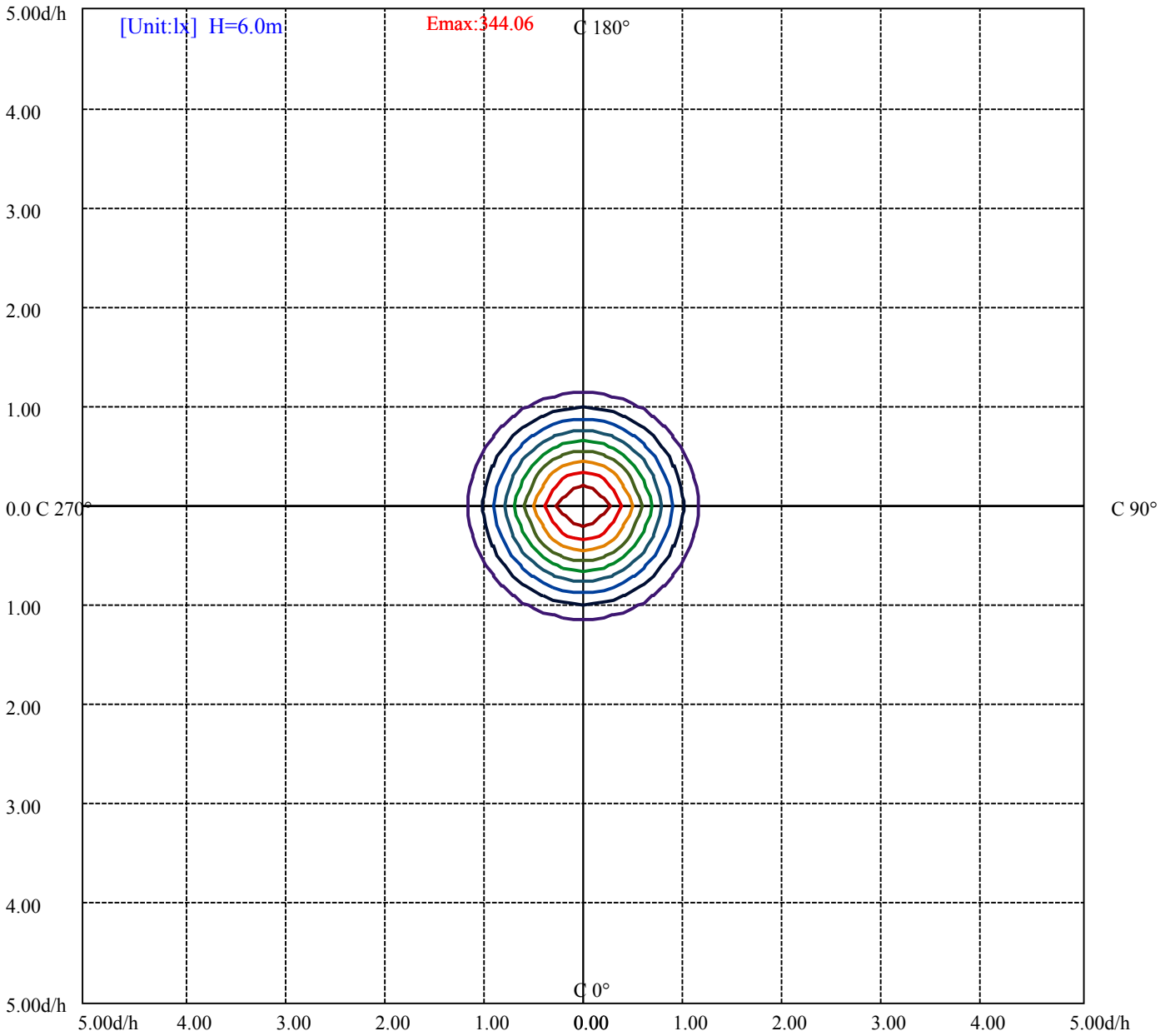
House

[Unit:cd]

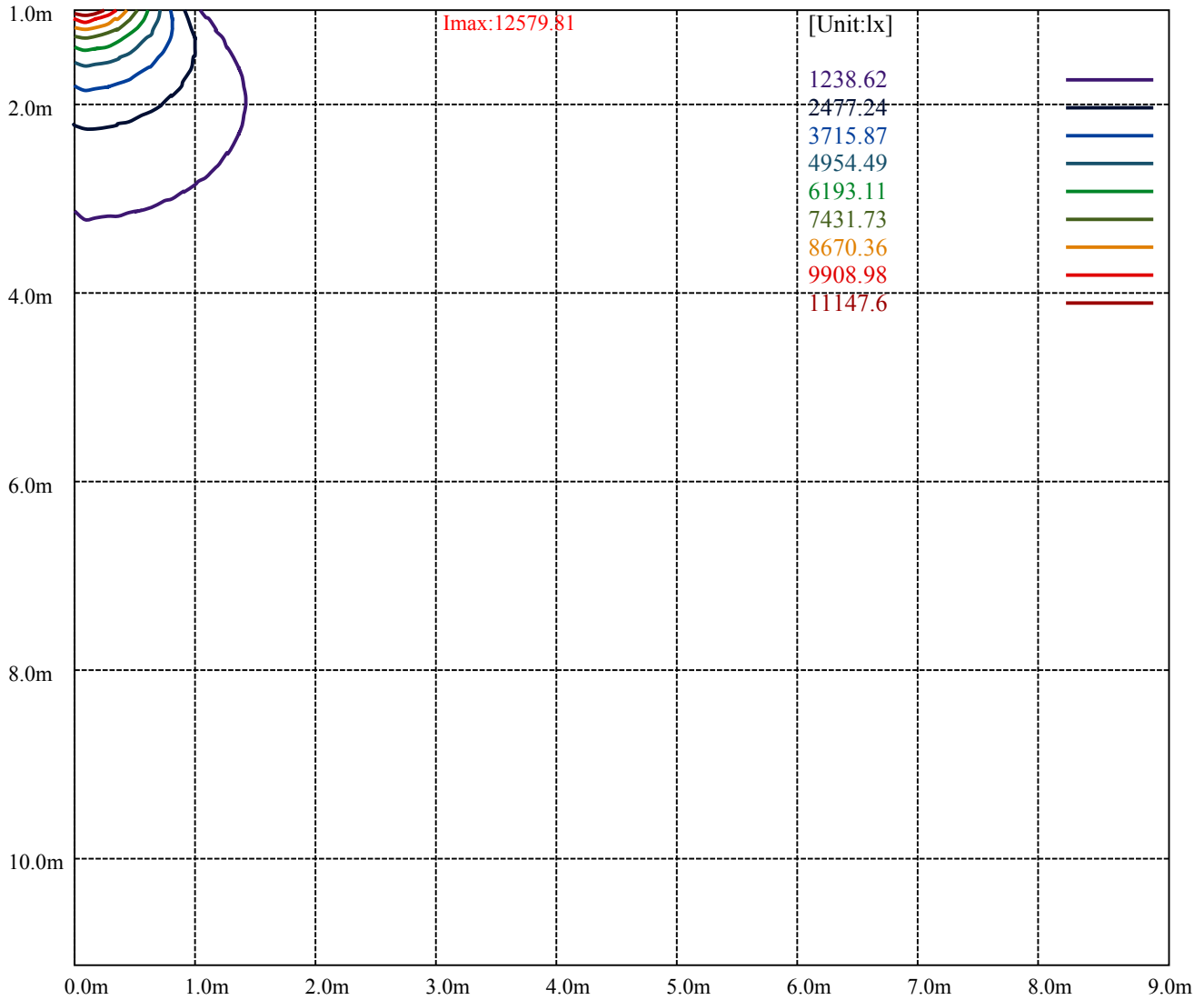
Road

Imax:12579.81

(10%Imax) 1257.98	—
(20%Imax) 2515.96	—
(30%Imax) 3773.94	—
(40%Imax) 5031.92	—
(50%Imax) 6289.9	—
(60%Imax) 7547.88	—
(70%Imax) 8805.87	—
(80%Imax) 10063.8	—
(90%Imax) 11321.8	—



- (10%Emax) 34.40611
- (20%Emax) 68.81223
- (30%Emax) 103.2183
- (40%Emax) 137.6242
- (50%Emax) 172.0303
- (60%Emax) 206.4364
- (70%Emax) 240.8425
- (80%Emax) 275.2486
- (90%Emax) 309.6555



Luminance Table

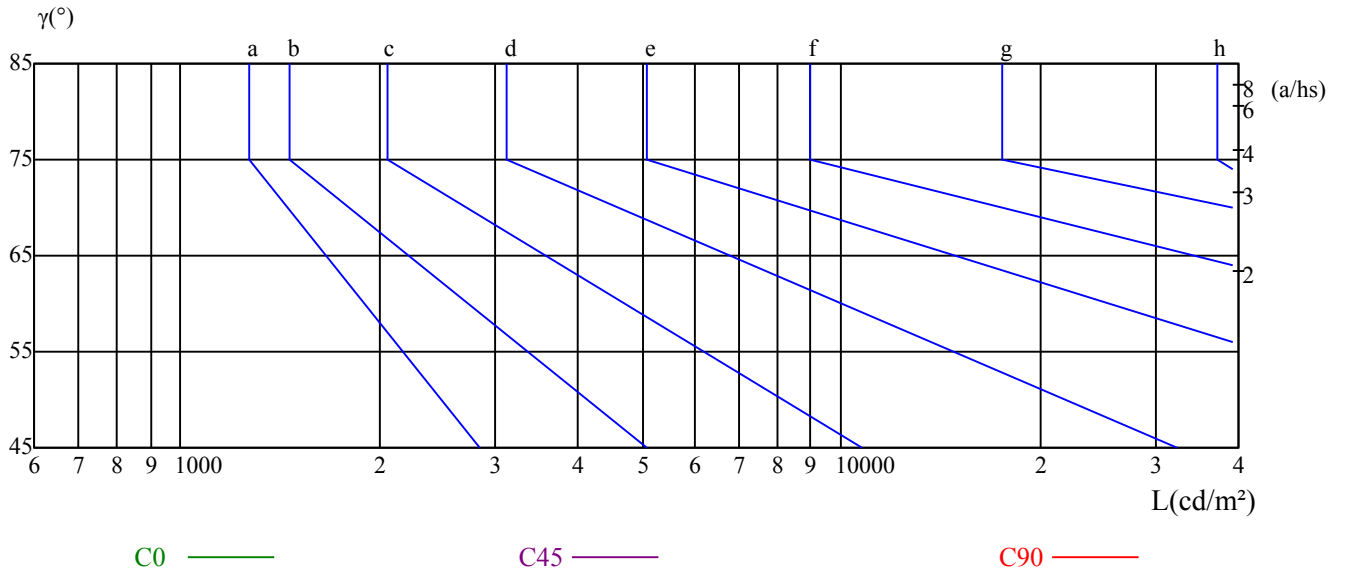
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

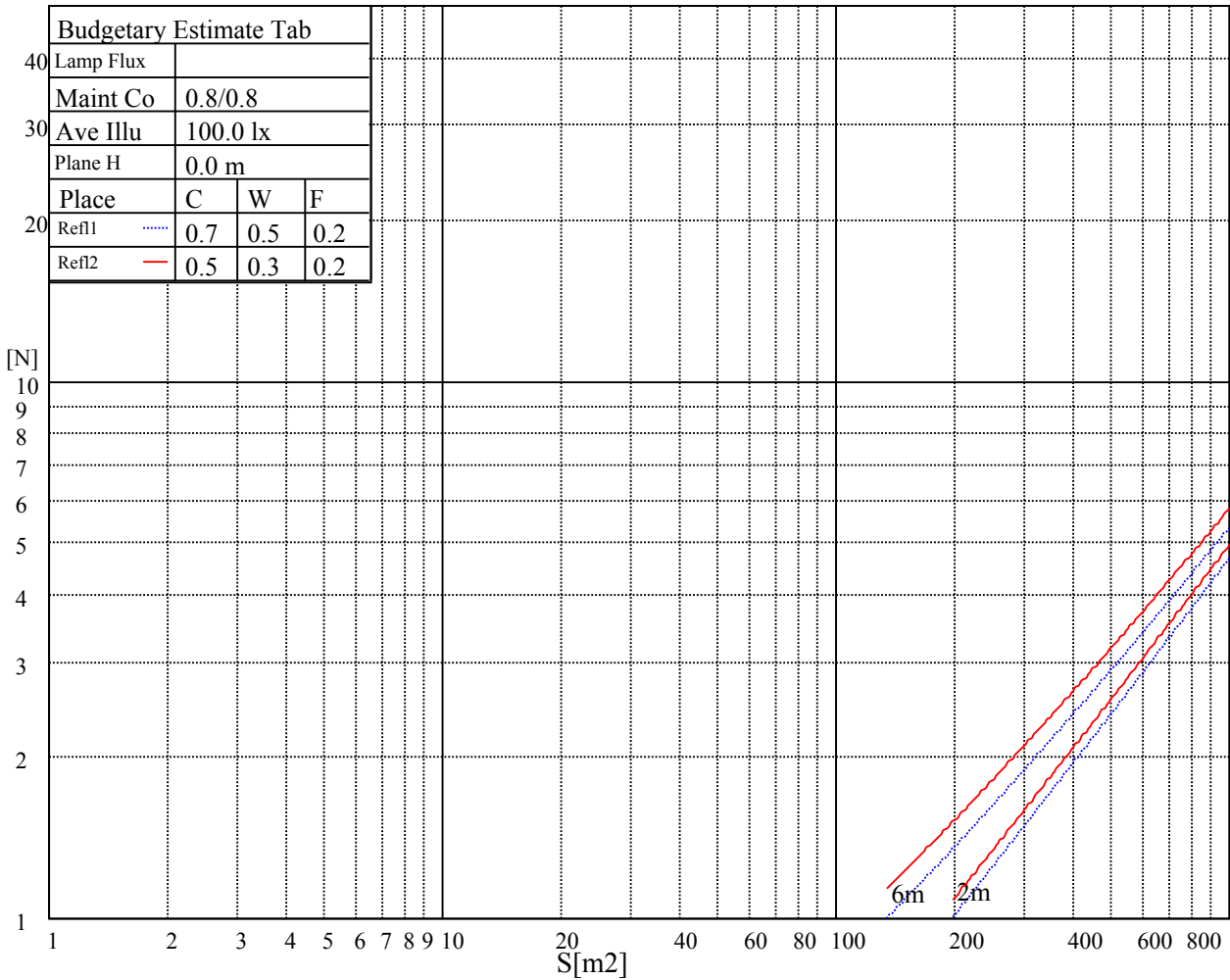
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

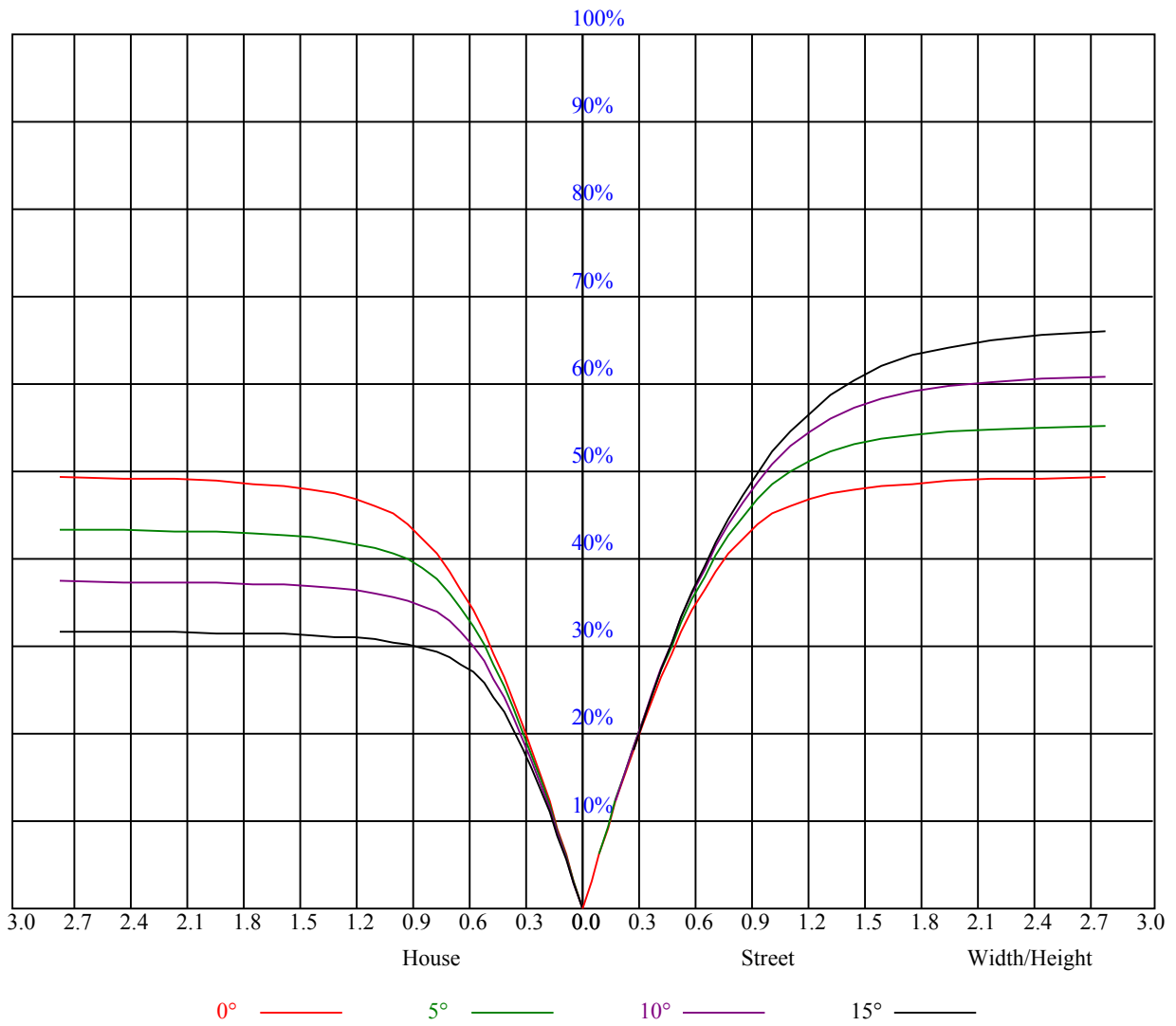
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	0.99	0.97	0.98	0.96	0.94	0.94	0.93	0.91	0.89
2	0.98	0.92	0.88	0.96	0.91	0.87	0.92	0.88	0.85	0.89	0.86	0.83	0.86	0.84	0.81	0.79
3	0.88	0.82	0.77	0.87	0.81	0.76	0.84	0.79	0.75	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	0.71	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.63
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	0.53	0.66	0.58	0.53	0.64	0.58	0.53	0.62	0.57	0.52	0.61	0.56	0.52	0.50
7	0.61	0.53	0.48	0.60	0.53	0.48	0.59	0.52	0.48	0.57	0.52	0.47	0.56	0.51	0.47	0.45
8	0.56	0.49	0.44	0.55	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.41
9	0.52	0.45	0.40	0.51	0.44	0.39	0.50	0.44	0.39	0.49	0.43	0.39	0.48	0.43	0.39	0.37
10	0.48	0.41	0.36	0.48	0.41	0.36	0.47	0.40	0.36	0.46	0.40	0.36	0.45	0.40	0.36	0.34



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	11947.23	12578.78	12579.81	12577.76	12574.69	12574.69	12571.62	12569.57	12564.45
22.5	11947.23	11949.24	11949.29	11946.27	11945.76	11943.25	11940.73	11932.67	11927.13
45.0	11947.23	11948.74	11949.26	11946.74	11944.22	11943.70	11941.20	11935.64	11927.01
67.5	11947.23	11948.76	11948.25	11946.22	11941.63	11940.62	11939.10	11933.49	11927.40
90.0	11947.23	11946.21	11946.21	11946.21	11945.19	11942.13	11939.07	11932.95	11923.77
112.5	11947.23	11948.76	11948.25	11946.22	11941.63	11940.62	11939.10	11933.49	11927.40
135.0	11947.23	11948.74	11949.26	11946.74	11944.22	11943.70	11941.20	11935.64	11927.01
157.5	11947.23	11949.24	11949.29	11946.27	11945.76	11943.25	11940.73	11932.67	11927.13
180.0	11947.23	12578.78	12579.81	12577.76	12574.69	12574.69	12571.62	12569.57	12564.45
202.5	11947.23	11949.24	11949.29	11946.27	11945.76	11943.25	11940.73	11932.67	11927.13
225.0	11947.23	11948.74	11949.26	11946.74	11944.22	11943.70	11941.20	11935.64	11927.01
247.5	11947.23	11948.76	11948.25	11946.22	11941.63	11940.62	11939.10	11933.49	11927.40
270.0	11947.23	11946.21	11946.21	11946.21	11945.19	11942.13	11939.07	11932.95	11923.77
292.5	11947.23	11948.76	11948.25	11946.22	11941.63	11940.62	11939.10	11933.49	11927.40
315.0	11947.23	11948.74	11949.26	11946.74	11944.22	11943.70	11941.20	11935.64	11927.01
337.5	11947.23	11949.24	11949.29	11946.27	11945.76	11943.25	11940.73	11932.67	11927.13
360.0	11947.23	12578.78	12579.81	12577.76	12574.69	12574.69	12571.62	12569.57	12564.45
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	12556.27	12549.10	12539.89	12527.61	12513.28	12493.83	12478.47	12455.95	12427.29
22.5	11930.84	11908.55	11898.99	11886.40	11872.30	11854.22	11835.03	11812.36	11786.62
45.0	11924.73	11907.78	11895.11	11879.38	11860.14	11841.41	11820.12	11795.29	11765.41
67.5	11919.64	11910.59	11896.85	11880.58	11863.78	11845.98	11823.59	11797.14	11770.69
90.0	11917.65	11904.38	11905.40	11889.08	11871.74	11854.39	11830.93	11805.42	11774.81
112.5	11886.44	11910.59	11896.85	11880.58	11863.78	11845.98	11823.59	11797.14	11770.69
135.0	11888.95	11907.78	11895.11	11879.38	11860.14	11841.41	11820.12	11795.29	11765.41
157.5	11883.67	11908.55	11898.99	11886.40	11872.30	11854.22	11835.03	11812.36	11786.62
180.0	12556.27	12549.10	12539.89	12527.61	12513.28	12493.83	12478.47	12455.95	12427.29
202.5	11930.84	11908.55	11898.99	11886.40	11872.30	11854.22	11835.03	11812.36	11786.62
225.0	11924.73	11907.78	11895.11	11879.38	11860.14	11841.41	11820.12	11795.29	11765.41
247.5	11919.64	11910.59	11896.85	11880.58	11863.78	11845.98	11823.59	11797.14	11770.69
270.0	11917.65	11904.38	11905.40	11889.08	11871.74	11854.39	11830.93	11805.42	11774.81
292.5	11953.31	11910.59	11896.85	11880.58	11863.78	11845.98	11823.59	11797.14	11770.69
315.0	11933.17	11907.78	11895.11	11879.38	11860.14	11841.41	11820.12	11795.29	11765.41
337.5	11943.26	11908.55	11898.99	11886.40	11872.30	11854.22	11835.03	11812.36	11786.62
360.0	12556.27	12549.10	12539.89	12527.61	12513.28	12493.83	12478.47	12455.95	12427.29
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	12401.71	12366.90	12329.03	12275.80	12228.72	12175.49	12118.17	12046.52	11976.92
22.5	11752.29	11718.99	11683.66	11641.85	11596.95	11540.84	11487.85	11420.83	11349.57
45.0	11732.50	11696.49	11656.44	11612.35	11563.71	11516.05	11457.27	11384.66	11309.18
67.5	11737.10	11702.50	11663.32	11617.54	11568.69	11514.23	11455.69	11390.54	11312.72
90.0	11746.24	11709.51	11672.79	11630.96	11577.90	11517.71	11469.75	11403.44	11325.90
112.5	11737.10	11702.50	11663.32	11617.54	11568.69	11514.23	11455.69	11390.54	11312.72
135.0	11732.50	11696.49	11656.44	11612.35	11563.71	11516.05	11457.27	11384.66	11309.18
157.5	11752.29	11718.99	11683.66	11641.85	11596.95	11540.84	11487.85	11420.83	11349.57
180.0	12401.71	12366.90	12329.03	12275.80	12228.72	12175.49	12118.17	12046.52	11976.92
202.5	11752.29	11718.99	11683.66	11641.85	11596.95	11540.84	11487.85	11420.83	11349.57
225.0	11732.50	11696.49	11656.44	11612.35	11563.71	11516.05	11457.27	11384.66	11309.18
247.5	11737.10	11702.50	11663.32	11617.54	11568.69	11514.23	11455.69	11390.54	11312.72
270.0	11746.24	11709.51	11672.79	11630.96	11577.90	11517.71	11469.75	11403.44	11325.90
292.5	11737.10	11702.50	11663.32	11617.54	11568.69	11514.23	11455.69	11390.54	11312.72
315.0	11732.50	11696.49	11656.44	11612.35	11563.71	11516.05	11457.27	11384.66	11309.18
337.5	11752.29	11718.99	11683.66	11641.85	11596.95	11540.84	11487.85	11420.83	11349.57
360.0	12401.71	12366.90	12329.03	12275.80	12228.72	12175.49	12118.17	12046.52	11976.92

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	11901.17	11817.24	11696.46	11593.08	11476.39	11341.28	11185.69	11012.71	10839.72
22.5	11274.91	11202.27	11099.80	10986.30	10879.45	10746.14	10598.53	10443.79	10255.12
45.0	11237.14	11146.91	11050.10	10950.21	10831.00	10703.80	10556.27	10406.21	10241.97
67.5	11242.48	11157.99	11060.32	10944.81	10831.31	10709.69	10576.36	10414.60	10227.69
90.0	11244.28	11158.57	11068.79	10968.81	10828.01	10707.62	10570.91	10408.68	10227.08
112.5	11242.48	11157.99	11060.32	10944.81	10831.31	10709.69	10576.36	10414.60	10227.69
135.0	11237.14	11146.91	11050.10	10950.21	10831.00	10703.80	10556.27	10406.21	10241.97
157.5	11274.91	11202.27	11099.80	10986.30	10879.45	10746.14	10598.53	10443.79	10255.12
180.0	11901.17	11817.24	11696.46	11593.08	11476.39	11341.28	11185.69	11012.71	10839.72
202.5	11274.91	11202.27	11099.80	10986.30	10879.45	10746.14	10598.53	10443.79	10255.12
225.0	11237.14	11146.91	11050.10	10950.21	10831.00	10703.80	10556.27	10406.21	10241.97
247.5	11242.48	11157.99	11060.32	10944.81	10831.31	10709.69	10576.36	10414.60	10227.69
270.0	11244.28	11158.57	11068.79	10968.81	10828.01	10707.62	10570.91	10408.68	10227.08
292.5	11242.48	11157.99	11060.32	10944.81	10831.31	10709.69	10576.36	10414.60	10227.69
315.0	11237.14	11146.91	11050.10	10950.21	10831.00	10703.80	10556.27	10406.21	10241.97
337.5	11274.91	11202.27	11099.80	10986.30	10879.45	10746.14	10598.53	10443.79	10255.12
360.0	11901.17	11817.24	11696.46	11593.08	11476.39	11341.28	11185.69	11012.71	10839.72
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	10625.79	10409.82	10167.23	9846.85	9506.00	9179.47	8675.87	8210.14	7694.26
22.5	10068.99	9863.68	9614.36	9333.61	9013.38	8666.49	8271.23	7840.92	7295.95
45.0	10051.30	9792.37	9550.98	9291.91	8989.88	8652.86	8251.06	7813.37	7273.55
67.5	10025.22	9795.81	9564.78	9283.27	8993.19	8608.22	8247.36	7826.02	7267.42
90.0	10041.39	9814.89	9564.93	9304.76	8991.54	8635.47	8229.41	7799.88	7322.40
112.5	10025.22	9795.81	9564.78	9283.27	8993.19	8608.22	8247.36	7826.02	7267.42
135.0	10051.30	9792.37	9550.98	9291.91	8989.88	8652.86	8251.06	7813.37	7273.55
157.5	10068.99	9863.68	9614.36	9333.61	9013.38	8666.49	8271.23	7840.92	7295.95
180.0	10625.79	10409.82	10167.23	9846.85	9506.00	9179.47	8675.87	8210.14	7694.26
202.5	10068.99	9863.68	9614.36	9333.61	9013.38	8666.49	8271.23	7840.92	7295.95
225.0	10051.30	9792.37	9550.98	9291.91	8989.88	8652.86	8251.06	7813.37	7273.55
247.5	10025.22	9795.81	9564.78	9283.27	8993.19	8608.22	8247.36	7826.02	7267.42
270.0	10041.39	9814.89	9564.93	9304.76	8991.54	8635.47	8229.41	7799.88	7322.40
292.5	10025.22	9795.81	9564.78	9283.27	8993.19	8608.22	8247.36	7826.02	7267.42
315.0	10051.30	9792.37	9550.98	9291.91	8989.88	8652.86	8251.06	7813.37	7273.55
337.5	10068.99	9863.68	9614.36	9333.61	9013.38	8666.49	8271.23	7840.92	7295.95
360.0	10625.79	10409.82	10167.23	9846.85	9506.00	9179.47	8675.87	8210.14	7694.26
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	7117.98	6383.05	5721.82	5061.61	4266.90	3783.56	3345.47	2973.91	2606.55
22.5	6706.51	6061.05	5435.49	4589.86	4089.98	3631.45	3207.30	2809.34	2488.31
45.0	6761.69	6150.53	5506.92	4678.41	4075.57	3725.01	3204.59	2826.01	2528.68
67.5	6688.48	6075.40	5460.67	4796.08	4090.12	3666.96	3224.46	2841.66	2531.47
90.0	6703.10	6010.35	5393.09	4833.99	4079.81	3636.31	3214.23	2829.08	2531.77
112.5	6688.48	6075.40	5460.67	4796.08	4090.12	3666.96	3224.46	2841.66	2531.47
135.0	6761.69	6150.53	5506.92	4678.41	4075.57	3725.01	3204.59	2826.01	2528.68
157.5	6706.51	6061.05	5435.49	4589.86	4089.98	3631.45	3207.30	2809.34	2488.31
180.0	7117.98	6383.05	5721.82	5061.61	4266.90	3783.56	3345.47	2973.91	2606.55
202.5	6706.51	6061.05	5435.49	4589.86	4089.98	3631.45	3207.30	2809.34	2488.31
225.0	6761.69	6150.53	5506.92	4678.41	4075.57	3725.01	3204.59	2826.01	2528.68
247.5	6688.48	6075.40	5460.67	4796.08	4090.12	3666.96	3224.46	2841.66	2531.47
270.0	6703.10	6010.35	5393.09	4833.99	4079.81	3636.31	3214.23	2829.08	2531.77
292.5	6688.48	6075.40	5460.67	4796.08	4090.12	3666.96	3224.46	2841.66	2531.47
315.0	6761.69	6150.53	5506.92	4678.41	4075.57	3725.01	3204.59	2826.01	2528.68
337.5	6706.51	6061.05	5435.49	4589.86	4089.98	3631.45	3207.30	2809.34	2488.31
360.0	7117.98	6383.05	5721.82	5061.61	4266.90	3783.56	3345.47	2973.91	2606.55

Equipment:
Temperature(°C): 25.0

Date: 2018-1-10
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	2317.90	2085.55	1880.52	1698.12	1499.03	1359.42	1225.43	1115.19	1041.60
22.5	2231.26	1981.81	1778.56	1605.97	1439.87	1294.21	1166.37	1052.07	966.84
45.0	2250.24	1999.65	1805.69	1631.72	1465.89	1313.30	1192.72	1089.76	980.14
67.5	2255.51	2033.25	1821.79	1647.65	1481.25	1335.56	1199.83	1093.57	994.08
90.0	2257.63	2035.21	1840.75	1614.05	1464.99	1332.56	1213.70	1098.11	1002.30
112.5	2255.51	2033.25	1821.79	1647.65	1481.25	1335.56	1199.83	1093.57	994.08
135.0	2250.24	1999.65	1805.69	1631.72	1465.89	1313.30	1192.72	1089.76	980.14
157.5	2231.26	1981.81	1778.56	1605.97	1439.87	1294.21	1166.37	1052.07	966.84
180.0	2317.90	2085.55	1880.52	1698.12	1499.03	1359.42	1225.43	1115.19	1041.60
202.5	2231.26	1981.81	1778.56	1605.97	1439.87	1294.21	1166.37	1052.07	966.84
225.0	2250.24	1999.65	1805.69	1631.72	1465.89	1313.30	1192.72	1089.76	980.14
247.5	2255.51	2033.25	1821.79	1647.65	1481.25	1335.56	1199.83	1093.57	994.08
270.0	2257.63	2035.21	1840.75	1614.05	1464.99	1332.56	1213.70	1098.11	1002.30
292.5	2255.51	2033.25	1821.79	1647.65	1481.25	1335.56	1199.83	1093.57	994.08
315.0	2250.24	1999.65	1805.69	1631.72	1465.89	1313.30	1192.72	1089.76	980.14
337.5	2231.26	1981.81	1778.56	1605.97	1439.87	1294.21	1166.37	1052.07	966.84
360.0	2317.90	2085.55	1880.52	1698.12	1499.03	1359.42	1225.43	1115.19	1041.60
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	921.33	842.82	766.25	692.15	634.72	574.33	527.04	479.85	436.15
22.5	889.48	786.95	720.07	657.54	600.60	545.78	499.46	453.94	417.02
45.0	906.40	796.56	728.07	660.95	605.03	550.24	506.05	458.00	419.27
67.5	929.32	832.35	751.06	683.61	621.40	564.57	518.30	476.21	430.84
90.0	918.44	849.16	751.83	689.08	627.56	575.83	524.62	473.20	437.08
112.5	929.32	832.35	751.06	683.61	621.40	564.57	518.30	476.21	430.84
135.0	906.40	796.56	728.07	660.95	605.03	550.24	506.05	458.00	419.27
157.5	889.48	786.95	720.07	657.54	600.60	545.78	499.46	453.94	417.02
180.0	921.33	842.82	766.25	692.15	634.72	574.33	527.04	479.85	436.15
202.5	889.48	786.95	720.07	657.54	600.60	545.78	499.46	453.94	417.02
225.0	906.40	796.56	728.07	660.95	605.03	550.24	506.05	458.00	419.27
247.5	929.32	832.35	751.06	683.61	621.40	564.57	518.30	476.21	430.84
270.0	918.44	849.16	751.83	689.08	627.56	575.83	524.62	473.20	437.08
292.5	929.32	832.35	751.06	683.61	621.40	564.57	518.30	476.21	430.84
315.0	906.40	796.56	728.07	660.95	605.03	550.24	506.05	458.00	419.27
337.5	889.48	786.95	720.07	657.54	600.60	545.78	499.46	453.94	417.02
360.0	921.33	842.82	766.25	692.15	634.72	574.33	527.04	479.85	436.15
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	395.92	361.43	331.64	299.50	269.61	244.33	220.68	194.79	170.53
22.5	382.97	347.39	319.56	290.94	262.78	239.18	213.19	191.66	171.22
45.0	376.49	346.22	310.98	285.46	253.92	229.13	206.52	184.51	163.63
67.5	395.42	361.42	331.19	299.28	274.04	246.92	224.07	201.78	176.95
90.0	397.70	363.52	325.97	297.00	266.29	242.92	215.17	192.42	169.47
112.5	395.42	361.42	331.19	299.28	274.04	246.92	224.07	201.78	176.95
135.0	376.49	346.22	310.98	285.46	253.92	229.13	206.52	184.51	163.63
157.5	382.97	347.39	319.56	290.94	262.78	239.18	213.19	191.66	171.22
180.0	395.92	361.43	331.64	299.50	269.61	244.33	220.68	194.79	170.53
202.5	382.97	347.39	319.56	290.94	262.78	239.18	213.19	191.66	171.22
225.0	376.49	346.22	310.98	285.46	253.92	229.13	206.52	184.51	163.63
247.5	395.42	361.42	331.19	299.28	274.04	246.92	224.07	201.78	176.95
270.0	397.70	363.52	325.97	297.00	266.29	242.92	215.17	192.42	169.47
292.5	395.42	361.42	331.19	299.28	274.04	246.92	224.07	201.78	176.95
315.0	376.49	346.22	310.98	285.46	253.92	229.13	206.52	184.51	163.63
337.5	382.97	347.39	319.56	290.94	262.78	239.18	213.19	191.66	171.22
360.0	395.92	361.43	331.64	299.50	269.61	244.33	220.68	194.79	170.53

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	152.62	133.78	114.23	92.33	76.46	60.80	44.94	37.87	33.68
22.5	151.05	131.78	110.24	92.78	75.08	58.72	45.15	36.27	31.83
45.0	142.28	123.15	105.70	86.14	69.61	54.55	43.00	34.13	29.92
67.5	154.50	133.84	113.03	91.25	72.67	56.64	44.74	36.59	31.76
90.0	146.10	126.31	106.82	87.74	70.91	54.69	43.36	36.53	32.04
112.5	154.50	133.84	113.03	91.25	72.67	56.64	44.74	36.59	31.76
135.0	142.28	123.15	105.70	86.14	69.61	54.55	43.00	34.13	29.92
157.5	151.05	131.78	110.24	92.78	75.08	58.72	45.15	36.27	31.83
180.0	152.62	133.78	114.23	92.33	76.46	60.80	44.94	37.87	33.68
202.5	151.05	131.78	110.24	92.78	75.08	58.72	45.15	36.27	31.83
225.0	142.28	123.15	105.70	86.14	69.61	54.55	43.00	34.13	29.92
247.5	154.50	133.84	113.03	91.25	72.67	56.64	44.74	36.59	31.76
270.0	146.10	126.31	106.82	87.74	70.91	54.69	43.36	36.53	32.04
292.5	154.50	133.84	113.03	91.25	72.67	56.64	44.74	36.59	31.76
315.0	142.28	123.15	105.70	86.14	69.61	54.55	43.00	34.13	29.92
337.5	151.05	131.78	110.24	92.78	75.08	58.72	45.15	36.27	31.83
360.0	152.62	133.78	114.23	92.33	76.46	60.80	44.94	37.87	33.68
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	31.32	29.17	27.23	25.49	23.95	22.31	21.19	20.06	18.94
22.5	29.15	27.39	25.57	23.91	22.19	20.78	19.57	18.61	17.60
45.0	27.79	26.11	24.19	22.82	21.50	20.13	19.06	18.00	17.09
67.5	29.06	26.87	25.14	23.46	22.04	20.66	19.44	18.37	17.46
90.0	28.98	26.63	25.20	23.57	22.24	21.02	19.79	18.57	17.65
112.5	29.06	26.87	25.14	23.46	22.04	20.66	19.44	18.37	17.46
135.0	27.79	26.11	24.19	22.82	21.50	20.13	19.06	18.00	17.09
157.5	29.15	27.39	25.57	23.91	22.19	20.78	19.57	18.61	17.60
180.0	31.32	29.17	27.23	25.49	23.95	22.31	21.19	20.06	18.94
202.5	29.15	27.39	25.57	23.91	22.19	20.78	19.57	18.61	17.60
225.0	27.79	26.11	24.19	22.82	21.50	20.13	19.06	18.00	17.09
247.5	29.06	26.87	25.14	23.46	22.04	20.66	19.44	18.37	17.46
270.0	28.98	26.63	25.20	23.57	22.24	21.02	19.79	18.57	17.65
292.5	29.06	26.87	25.14	23.46	22.04	20.66	19.44	18.37	17.46
315.0	27.79	26.11	24.19	22.82	21.50	20.13	19.06	18.00	17.09
337.5	29.15	27.39	25.57	23.91	22.19	20.78	19.57	18.61	17.60
360.0	31.32	29.17	27.23	25.49	23.95	22.31	21.19	20.06	18.94
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	18.22	17.20	16.48	15.87	15.05	14.43	13.72	13.20	12.69
22.5	16.85	16.09	15.33	14.58	13.97	13.42	13.01	12.51	11.95
45.0	16.17	15.41	14.81	14.15	13.49	12.93	12.47	12.02	11.66
67.5	16.54	15.73	14.96	14.25	13.74	13.13	12.57	12.11	11.55
90.0	16.94	15.92	15.20	14.59	14.08	13.26	12.75	12.14	11.73
112.5	16.54	15.73	14.96	14.25	13.74	13.13	12.57	12.11	11.55
135.0	16.17	15.41	14.81	14.15	13.49	12.93	12.47	12.02	11.66
157.5	16.85	16.09	15.33	14.58	13.97	13.42	13.01	12.51	11.95
180.0	18.22	17.20	16.48	15.87	15.05	14.43	13.72	13.20	12.69
202.5	16.85	16.09	15.33	14.58	13.97	13.42	13.01	12.51	11.95
225.0	16.17	15.41	14.81	14.15	13.49	12.93	12.47	12.02	11.66
247.5	16.54	15.73	14.96	14.25	13.74	13.13	12.57	12.11	11.55
270.0	16.94	15.92	15.20	14.59	14.08	13.26	12.75	12.14	11.73
292.5	16.54	15.73	14.96	14.25	13.74	13.13	12.57	12.11	11.55
315.0	16.17	15.41	14.81	14.15	13.49	12.93	12.47	12.02	11.66
337.5	16.85	16.09	15.33	14.58	13.97	13.42	13.01	12.51	11.95
360.0	18.22	17.20	16.48	15.87	15.05	14.43	13.72	13.20	12.69

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	12.18	11.77	11.46	11.05	10.85	10.65	10.34	10.13	10.03
22.5	11.55	11.15	10.85	10.44	10.24	9.99	9.79	9.58	9.53
45.0	11.15	10.90	10.54	10.24	9.94	9.78	9.63	9.43	9.48
67.5	11.30	10.94	10.53	10.23	9.97	9.77	9.77	9.57	9.47
90.0	11.22	10.81	10.61	10.30	10.10	9.90	9.79	9.59	9.59
112.5	11.30	10.94	10.53	10.23	9.97	9.77	9.77	9.57	9.47
135.0	11.15	10.90	10.54	10.24	9.94	9.78	9.63	9.43	9.48
157.5	11.55	11.15	10.85	10.44	10.24	9.99	9.79	9.58	9.53
180.0	12.18	11.77	11.46	11.05	10.85	10.65	10.34	10.13	10.03
202.5	11.55	11.15	10.85	10.44	10.24	9.99	9.79	9.58	9.53
225.0	11.15	10.90	10.54	10.24	9.94	9.78	9.63	9.43	9.48
247.5	11.30	10.94	10.53	10.23	9.97	9.77	9.77	9.57	9.47
270.0	11.22	10.81	10.61	10.30	10.10	9.90	9.79	9.59	9.59
292.5	11.30	10.94	10.53	10.23	9.97	9.77	9.77	9.57	9.47
315.0	11.15	10.90	10.54	10.24	9.94	9.78	9.63	9.43	9.48
337.5	11.55	11.15	10.85	10.44	10.24	9.99	9.79	9.58	9.53
360.0	12.18	11.77	11.46	11.05	10.85	10.65	10.34	10.13	10.03
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	9.93	10.03	10.13	10.24	10.34	10.65	10.85	10.95	11.46
22.5	9.53	9.43	9.58	9.63	9.74	9.89	10.14	10.44	10.79
45.0	9.38	9.28	9.43	9.53	9.68	9.89	10.14	10.49	10.85
67.5	9.57	9.47	9.62	9.67	9.87	10.13	10.23	10.58	10.84
90.0	9.49	9.49	9.59	9.59	9.90	10.10	10.30	10.61	10.92
112.5	9.57	9.47	9.62	9.67	9.87	10.13	10.23	10.58	10.84
135.0	9.38	9.28	9.43	9.53	9.68	9.89	10.14	10.49	10.85
157.5	9.53	9.43	9.58	9.63	9.74	9.89	10.14	10.44	10.79
180.0	9.93	10.03	10.13	10.24	10.34	10.65	10.85	10.95	11.46
202.5	9.53	9.43	9.58	9.63	9.74	9.89	10.14	10.44	10.79
225.0	9.38	9.28	9.43	9.53	9.68	9.89	10.14	10.49	10.85
247.5	9.57	9.47	9.62	9.67	9.87	10.13	10.23	10.58	10.84
270.0	9.49	9.49	9.59	9.59	9.90	10.10	10.30	10.61	10.92
292.5	9.57	9.47	9.62	9.67	9.87	10.13	10.23	10.58	10.84
315.0	9.38	9.28	9.43	9.53	9.68	9.89	10.14	10.49	10.85
337.5	9.53	9.43	9.58	9.63	9.74	9.89	10.14	10.44	10.79
360.0	9.93	10.03	10.13	10.24	10.34	10.65	10.85	10.95	11.46
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	11.77	12.28	12.79	13.20	13.82	14.23	14.84	15.25	15.97
22.5	11.15	11.60	12.01	12.36	12.86	13.37	13.72	14.38	14.88
45.0	11.15	11.46	11.91	12.42	12.83	13.38	13.89	14.40	14.91
67.5	11.20	11.55	12.06	12.47	12.98	13.49	13.99	14.45	15.06
90.0	11.32	11.63	12.14	12.45	13.06	13.57	14.08	14.59	15.20
112.5	11.20	11.55	12.06	12.47	12.98	13.49	13.99	14.45	15.06
135.0	11.15	11.46	11.91	12.42	12.83	13.38	13.89	14.40	14.91
157.5	11.15	11.60	12.01	12.36	12.86	13.37	13.72	14.38	14.88
180.0	11.77	12.28	12.79	13.20	13.82	14.23	14.84	15.25	15.97
202.5	11.15	11.60	12.01	12.36	12.86	13.37	13.72	14.38	14.88
225.0	11.15	11.46	11.91	12.42	12.83	13.38	13.89	14.40	14.91
247.5	11.20	11.55	12.06	12.47	12.98	13.49	13.99	14.45	15.06
270.0	11.32	11.63	12.14	12.45	13.06	13.57	14.08	14.59	15.20
292.5	11.20	11.55	12.06	12.47	12.98	13.49	13.99	14.45	15.06
315.0	11.15	11.46	11.91	12.42	12.83	13.38	13.89	14.40	14.91
337.5	11.15	11.60	12.01	12.36	12.86	13.37	13.72	14.38	14.88
360.0	11.77	12.28	12.79	13.20	13.82	14.23	14.84	15.25	15.97

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	16.48	16.99	17.61	18.12	18.63	19.24	19.65	19.96	20.47
22.5	15.44	15.99	16.60	16.95	17.50	18.01	18.51	18.97	19.32
45.0	15.46	16.07	16.63	17.08	17.59	18.10	18.61	19.01	19.37
67.5	15.57	15.98	16.64	17.20	17.61	18.06	18.57	18.93	19.44
90.0	15.61	16.12	16.73	17.14	17.65	18.06	18.57	19.08	19.49
112.5	15.57	15.98	16.64	17.20	17.61	18.06	18.57	18.93	19.44
135.0	15.46	16.07	16.63	17.08	17.59	18.10	18.61	19.01	19.37
157.5	15.44	15.99	16.60	16.95	17.50	18.01	18.51	18.97	19.32
180.0	16.48	16.99	17.61	18.12	18.63	19.24	19.65	19.96	20.47
202.5	15.44	15.99	16.60	16.95	17.50	18.01	18.51	18.97	19.32
225.0	15.46	16.07	16.63	17.08	17.59	18.10	18.61	19.01	19.37
247.5	15.57	15.98	16.64	17.20	17.61	18.06	18.57	18.93	19.44
270.0	15.61	16.12	16.73	17.14	17.65	18.06	18.57	19.08	19.49
292.5	15.57	15.98	16.64	17.20	17.61	18.06	18.57	18.93	19.44
315.0	15.46	16.07	16.63	17.08	17.59	18.10	18.61	19.01	19.37
337.5	15.44	15.99	16.60	16.95	17.50	18.01	18.51	18.97	19.32
360.0	16.48	16.99	17.61	18.12	18.63	19.24	19.65	19.96	20.47
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	20.78	21.09	21.50	21.80	22.11	22.42	22.52	22.62	22.83
22.5	19.72	20.18	20.38	20.68	20.83	21.09	21.24	21.44	21.39
45.0	19.77	20.23	20.48	20.79	20.84	20.99	21.04	21.24	21.29
67.5	19.80	20.15	20.46	20.76	20.97	21.07	21.27	21.27	21.47
90.0	19.79	20.30	20.51	20.71	21.02	21.02	21.22	21.32	21.43
112.5	19.80	20.15	20.46	20.76	20.97	21.07	21.27	21.27	21.47
135.0	19.77	20.23	20.48	20.79	20.84	20.99	21.04	21.24	21.29
157.5	19.72	20.18	20.38	20.68	20.83	21.09	21.24	21.44	21.39
180.0	20.78	21.09	21.50	21.80	22.11	22.42	22.52	22.62	22.83
202.5	19.72	20.18	20.38	20.68	20.83	21.09	21.24	21.44	21.39
225.0	19.77	20.23	20.48	20.79	20.84	20.99	21.04	21.24	21.29
247.5	19.80	20.15	20.46	20.76	20.97	21.07	21.27	21.27	21.47
270.0	19.79	20.30	20.51	20.71	21.02	21.02	21.22	21.32	21.43
292.5	19.80	20.15	20.46	20.76	20.97	21.07	21.27	21.27	21.47
315.0	19.77	20.23	20.48	20.79	20.84	20.99	21.04	21.24	21.29
337.5	19.72	20.18	20.38	20.68	20.83	21.09	21.24	21.44	21.39
360.0	20.78	21.09	21.50	21.80	22.11	22.42	22.52	22.62	22.83
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	22.93	23.24	23.44	23.75	23.75	24.05	24.05	24.36	24.26
22.5	21.59	21.90	22.15	22.40	22.55	22.70	22.75	22.75	22.85
45.0	21.65	21.80	22.05	22.36	22.56	22.61	22.76	22.76	22.86
67.5	21.63	21.88	22.19	22.34	22.59	22.75	22.75	22.90	22.80
90.0	21.63	21.94	22.14	22.45	22.55	22.75	22.85	22.96	22.96
112.5	21.63	21.88	22.19	22.34	22.59	22.75	22.75	22.90	22.80
135.0	21.65	21.80	22.05	22.36	22.56	22.61	22.76	22.76	22.86
157.5	21.59	21.90	22.15	22.40	22.55	22.70	22.75	22.75	22.85
180.0	22.93	23.24	23.44	23.75	23.75	24.05	24.05	24.36	24.26
202.5	21.59	21.90	22.15	22.40	22.55	22.70	22.75	22.75	22.85
225.0	21.65	21.80	22.05	22.36	22.56	22.61	22.76	22.76	22.86
247.5	21.63	21.88	22.19	22.34	22.59	22.75	22.75	22.90	22.80
270.0	21.63	21.94	22.14	22.45	22.55	22.75	22.85	22.96	22.96
292.5	21.63	21.88	22.19	22.34	22.59	22.75	22.75	22.90	22.80
315.0	21.65	21.80	22.05	22.36	22.56	22.61	22.76	22.76	22.86
337.5	21.59	21.90	22.15	22.40	22.55	22.70	22.75	22.75	22.85
360.0	22.93	23.24	23.44	23.75	23.75	24.05	24.05	24.36	24.26

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	24.16	24.26	24.36	24.26	24.57	24.36	24.46	24.36	24.36
22.5	22.90	22.90	22.85	22.95	23.01	23.05	22.80	22.90	22.85
45.0	22.86	22.92	22.97	22.92	23.02	22.97	22.97	22.87	22.86
67.5	23.00	22.95	22.90	23.00	22.90	22.95	22.90	22.95	22.90
90.0	22.96	22.96	22.85	22.96	23.06	23.06	23.06	22.96	22.96
112.5	23.00	22.95	22.90	23.00	22.90	22.95	22.90	22.95	22.90
135.0	22.86	22.92	22.97	22.92	23.02	22.97	22.97	22.87	22.86
157.5	22.90	22.90	22.85	22.95	23.01	23.05	22.80	22.90	22.85
180.0	24.16	24.26	24.36	24.26	24.57	24.36	24.46	24.36	24.36
202.5	22.90	22.90	22.85	22.95	23.01	23.05	22.80	22.90	22.85
225.0	22.86	22.92	22.97	22.92	23.02	22.97	22.97	22.87	22.86
247.5	23.00	22.95	22.90	23.00	22.90	22.95	22.90	22.95	22.90
270.0	22.96	22.96	22.85	22.96	23.06	23.06	23.06	22.96	22.96
292.5	23.00	22.95	22.90	23.00	22.90	22.95	22.90	22.95	22.90
315.0	22.86	22.92	22.97	22.92	23.02	22.97	22.97	22.87	22.86
337.5	22.90	22.90	22.85	22.95	23.01	23.05	22.80	22.90	22.85
360.0	24.16	24.26	24.36	24.26	24.57	24.36	24.46	24.36	24.36
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	24.16	24.26	24.26	24.26	24.57	24.67	24.87	25.08	25.28
22.5	22.80	22.80	22.80	22.85	23.01	23.21	23.31	23.51	23.81
45.0	22.76	22.81	22.81	22.86	22.97	23.17	23.42	23.57	23.83
67.5	22.90	22.85	22.95	22.95	23.00	23.31	23.41	23.66	24.02
90.0	22.85	23.06	22.85	23.06	23.06	23.36	23.47	23.67	23.87
112.5	22.90	22.85	22.95	22.95	23.00	23.31	23.41	23.66	24.02
135.0	22.76	22.81	22.81	22.86	22.97	23.17	23.42	23.57	23.83
157.5	22.80	22.80	22.80	22.85	23.01	23.21	23.31	23.51	23.81
180.0	24.16	24.26	24.26	24.26	24.57	24.67	24.87	25.08	25.28
202.5	22.80	22.80	22.80	22.85	23.01	23.21	23.31	23.51	23.81
225.0	22.76	22.81	22.81	22.86	22.97	23.17	23.42	23.57	23.83
247.5	22.90	22.85	22.95	22.95	23.00	23.31	23.41	23.66	24.02
270.0	22.85	23.06	22.85	23.06	23.06	23.36	23.47	23.67	23.87
292.5	22.90	22.85	22.95	22.95	23.00	23.31	23.41	23.66	24.02
315.0	22.76	22.81	22.81	22.86	22.97	23.17	23.42	23.57	23.83
337.5	22.80	22.80	22.80	22.85	23.01	23.21	23.31	23.51	23.81
360.0	24.16	24.26	24.26	24.26	24.57	24.67	24.87	25.08	25.28
C/γ(°)	180.0								
0.0	24.12								
22.5	24.12								
45.0	24.12								
67.5	24.12								
90.0	24.12								
112.5	24.12								
135.0	24.12								
157.5	24.12								
180.0	24.12								
202.5	24.12								
225.0	24.12								
247.5	24.12								
270.0	24.12								
292.5	24.12								
315.0	24.12								
337.5	24.12								
360.0	24.12								