



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-B60

Report No:

Voltage(V): 219.9600

Test No:

Current(A): 0.6460

LampCAT:

Power (W): 139.8000

Lamp flux(lm)

PF: 0.9836

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 17428.40

Lumens(lm)/Power(W): 124.67

Central intensity(cd): 14002.250

Maximum intensity(cd): 14522.030

Angle of maximum intensity: C=360.0 γ =9.0

Beam Angle(50%Imax): [C0/180]Total=66.6

[C90/270]Total=66.3

Field angle(10%Imax): [C0/180]Total=95.0

[C90/270]Total=95.2

Maximum s/h(1/2): C0_180=1.11 C90_270=1.09

Maximum s/h(1/4): C0_180=0.96 C90_270=0.96

Up flux rate of LUM(%): 0.71%

Down flux rate of LUM(%): 99.29%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 93.393%

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	14002.250	.000	.000	.000%	.000%	.000%
1.0	14061.660	13.428	13.428	.077%	.077%	.077%
2.0	14061.150	40.365	53.793	.232%	.309%	.309%
3.0	14060.620	67.258	121.051	.386%	.695%	.695%
4.0	14058.330	94.123	215.174	.540%	1.235%	1.235%
5.0	14055.920	120.946	336.120	.694%	1.929%	1.929%
6.0	14051.610	147.713	483.832	.848%	2.776%	2.776%
7.0	14045.030	174.395	658.228	1.001%	3.777%	3.777%
8.0	14037.540	200.982	859.209	1.153%	4.930%	4.930%
9.0	14024.600	227.440	1086.649	1.305%	6.235%	6.235%
10.0	14007.200	253.690	1340.339	1.456%	7.691%	7.691%
11.0	13986.020	279.710	1620.048	1.605%	9.295%	9.295%
12.0	13958.090	305.469	1925.518	1.753%	11.048%	11.048%
13.0	13924.170	330.892	2256.410	1.899%	12.947%	12.947%
14.0	13877.660	355.861	2612.271	2.042%	14.989%	14.989%
15.0	13815.910	380.190	2992.461	2.181%	17.170%	17.170%
16.0	13748.680	403.898	3396.359	2.317%	19.488%	19.488%
17.0	13663.980	426.889	3823.248	2.449%	21.937%	21.937%
18.0	13552.210	448.736	4271.983	2.575%	24.512%	24.512%
19.0	13431.560	469.462	4741.446	2.694%	27.205%	27.205%
20.0	13289.420	489.068	5230.514	2.806%	30.011%	30.011%
21.0	13113.950	506.998	5737.512	2.909%	32.920%	32.920%
22.0	12904.640	522.855	6260.367	3.000%	35.920%	35.920%
23.0	12671.940	536.666	6797.032	3.079%	39.000%	39.000%
24.0	12378.610	547.695	7344.727	3.143%	42.142%	42.142%
25.0	12054.790	555.562	7900.289	3.188%	45.330%	45.330%
26.0	11672.360	560.082	8460.371	3.214%	48.544%	48.544%
27.0	11235.940	560.457	9020.828	3.216%	51.759%	51.759%
28.0	10726.180	556.034	9576.862	3.190%	54.950%	54.950%
29.0	10139.120	545.895	10122.760	3.132%	58.082%	58.082%
30.0	9441.070	528.661	10651.420	3.033%	61.115%	61.115%
31.0	8700.726	504.860	11156.280	2.897%	64.012%	64.012%
32.0	7878.371	474.972	11631.250	2.725%	66.737%	66.737%
33.0	7050.203	439.801	12071.050	2.523%	69.261%	69.261%
34.0	6182.907	400.473	12471.530	2.298%	71.559%	71.559%
35.0	5384.318	359.235	12830.760	2.061%	73.620%	73.620%
36.0	4668.143	320.072	13150.830	1.836%	75.456%	75.456%
37.0	4019.557	283.344	13434.180	1.626%	77.082%	77.082%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	3525.038	251.828	13686.000	1.445%	78.527%	78.527%
39.0	3107.094	226.373	13912.380	1.299%	79.826%	79.826%
40.0	2804.318	206.169	14118.550	1.183%	81.009%	81.009%
41.0	2506.089	189.101	14307.650	1.085%	82.094%	82.094%
42.0	2266.941	173.413	14481.060	.995%	83.089%	83.089%
43.0	2044.423	159.705	14640.760	.916%	84.005%	84.005%
44.0	1861.616	147.425	14788.190	.846%	84.851%	84.851%
45.0	1703.233	137.001	14925.190	.786%	85.637%	85.637%
46.0	1564.147	127.780	15052.970	.733%	86.370%	86.370%
47.0	1447.227	119.770	15172.740	.687%	87.058%	87.058%
48.0	1342.061	112.758	15285.500	.647%	87.705%	87.705%
49.0	1250.911	106.482	15391.980	.611%	88.316%	88.316%
50.0	1164.052	100.688	15492.670	.578%	88.893%	88.893%
51.0	1090.726	95.396	15588.070	.547%	89.441%	89.441%
52.0	1021.336	90.630	15678.700	.520%	89.961%	89.961%
53.0	958.039	86.103	15764.800	.494%	90.455%	90.455%
54.0	906.116	82.164	15846.960	.471%	90.926%	90.926%
55.0	858.942	78.789	15925.750	.452%	91.378%	91.378%
56.0	814.966	75.639	16001.390	.434%	91.812%	91.812%
57.0	776.145	72.749	16074.140	.417%	92.230%	92.230%
58.0	740.269	70.124	16144.260	.402%	92.632%	92.632%
59.0	706.196	67.623	16211.890	.388%	93.020%	93.020%
60.0	669.025	64.970	16276.860	.373%	93.393%	93.393%
61.0	634.698	62.216	16339.070	.357%	93.750%	93.750%
62.0	603.138	59.646	16398.720	.342%	94.092%	94.092%
63.0	573.940	57.247	16455.970	.328%	94.420%	94.420%
64.0	544.056	54.860	16510.830	.315%	94.735%	94.735%
65.0	515.213	52.422	16563.250	.301%	95.036%	95.036%
66.0	488.807	50.094	16613.340	.287%	95.323%	95.323%
67.0	464.687	47.944	16661.290	.275%	95.598%	95.598%
68.0	440.846	45.871	16707.160	.263%	95.862%	95.862%
69.0	419.289	43.880	16751.040	.252%	96.113%	96.113%
70.0	397.099	41.928	16792.960	.241%	96.354%	96.354%
71.0	377.675	40.045	16833.010	.230%	96.584%	96.584%
72.0	356.805	38.191	16871.200	.219%	96.803%	96.803%
73.0	336.747	36.268	16907.470	.208%	97.011%	97.011%
74.0	317.273	34.383	16941.850	.197%	97.208%	97.208%
75.0	298.357	32.528	16974.380	.187%	97.395%	97.395%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	283.377	30.881	17005.260	.177%	97.572%	97.572%
77.0	271.342	29.575	17034.830	.170%	97.742%	97.742%
78.0	258.266	28.350	17063.180	.163%	97.904%	97.904%
79.0	248.415	27.224	17090.410	.156%	98.061%	98.061%
80.0	235.593	26.094	17116.500	.150%	98.210%	98.210%
81.0	225.640	24.943	17141.450	.143%	98.354%	98.354%
82.0	216.449	23.974	17165.420	.138%	98.491%	98.491%
83.0	204.161	22.865	17188.290	.131%	98.622%	98.622%
84.0	193.217	21.648	17209.930	.124%	98.746%	98.746%
85.0	183.214	20.545	17230.480	.118%	98.864%	98.864%
86.0	171.966	19.415	17249.890	.111%	98.976%	98.976%
87.0	156.631	17.983	17267.880	.103%	99.079%	99.079%
88.0	128.778	15.634	17283.510	.090%	99.169%	99.169%
89.0	97.650	12.411	17295.920	.071%	99.240%	99.240%
90.0	68.375	9.103	17305.030	.052%	99.292%	99.292%
91.0	44.940	6.213	17311.240	.036%	99.328%	99.328%
92.0	39.608	4.634	17315.870	.027%	99.354%	99.354%
93.0	41.411	4.438	17320.310	.025%	99.380%	99.380%
94.0	43.341	4.638	17324.950	.027%	99.406%	99.406%
95.0	44.610	4.808	17329.760	.028%	99.434%	99.434%
96.0	44.889	4.885	17334.640	.028%	99.462%	99.462%
97.0	43.620	4.822	17339.460	.028%	99.490%	99.490%
98.0	41.436	4.624	17344.090	.027%	99.516%	99.516%
99.0	38.669	4.344	17348.430	.025%	99.541%	99.541%
100.0	34.987	3.983	17352.410	.023%	99.564%	99.564%
101.0	30.900	3.552	17355.960	.020%	99.584%	99.584%
102.0	27.015	3.112	17359.080	.018%	99.602%	99.602%
103.0	23.435	2.701	17361.780	.015%	99.618%	99.618%
104.0	20.566	2.346	17364.120	.013%	99.631%	99.631%
105.0	18.179	2.057	17366.180	.012%	99.643%	99.643%
106.0	16.250	1.819	17368.000	.010%	99.653%	99.653%
107.0	14.828	1.634	17369.630	.009%	99.663%	99.663%
108.0	13.736	1.494	17371.130	.009%	99.671%	99.671%
109.0	12.898	1.385	17372.510	.008%	99.679%	99.679%
110.0	12.136	1.294	17373.800	.007%	99.687%	99.687%
111.0	11.476	1.213	17375.020	.007%	99.694%	99.694%
112.0	10.918	1.142	17376.160	.007%	99.700%	99.700%
113.0	10.511	1.086	17377.250	.006%	99.706%	99.706%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	10.029	1.033	17378.280	.006%	99.712%	99.712%
115.0	9.750	.987	17379.270	.006%	99.718%	99.718%
116.0	9.394	.947	17380.210	.005%	99.724%	99.724%
117.0	9.166	.911	17381.120	.005%	99.729%	99.729%
118.0	8.988	.883	17382.010	.005%	99.734%	99.734%
119.0	8.886	.861	17382.870	.005%	99.739%	99.739%
120.0	8.760	.842	17383.710	.005%	99.744%	99.744%
121.0	8.658	.823	17384.530	.005%	99.748%	99.748%
122.0	8.633	.808	17385.340	.005%	99.753%	99.753%
123.0	8.582	.796	17386.140	.005%	99.758%	99.758%
124.0	8.683	.789	17386.930	.005%	99.762%	99.762%
125.0	8.760	.788	17387.710	.005%	99.767%	99.767%
126.0	8.886	.788	17388.500	.005%	99.771%	99.771%
127.0	9.013	.789	17389.290	.005%	99.776%	99.776%
128.0	9.267	.795	17390.090	.005%	99.780%	99.780%
129.0	9.445	.803	17390.890	.005%	99.785%	99.785%
130.0	9.750	.812	17391.700	.005%	99.789%	99.789%
131.0	9.927	.820	17392.520	.005%	99.794%	99.794%
132.0	10.258	.829	17393.350	.005%	99.799%	99.799%
133.0	10.588	.843	17394.190	.005%	99.804%	99.804%
134.0	10.892	.854	17395.040	.005%	99.809%	99.809%
135.0	11.197	.864	17395.910	.005%	99.814%	99.814%
136.0	11.629	.877	17396.790	.005%	99.819%	99.819%
137.0	11.933	.889	17397.670	.005%	99.824%	99.824%
138.0	12.289	.897	17398.570	.005%	99.829%	99.829%
139.0	12.746	.910	17399.480	.005%	99.834%	99.834%
140.0	13.279	.927	17400.410	.005%	99.839%	99.839%
141.0	13.634	.939	17401.350	.005%	99.845%	99.845%
142.0	14.142	.948	17402.290	.005%	99.850%	99.850%
143.0	14.625	.960	17403.250	.006%	99.856%	99.856%
144.0	15.132	.971	17404.220	.006%	99.861%	99.861%
145.0	15.589	.978	17405.200	.006%	99.867%	99.867%
146.0	16.097	.984	17406.190	.006%	99.873%	99.873%
147.0	16.580	.989	17407.180	.006%	99.878%	99.878%
148.0	16.960	.988	17408.160	.006%	99.884%	99.884%
149.0	17.341	.983	17409.150	.006%	99.890%	99.890%
150.0	17.671	.974	17410.120	.006%	99.895%	99.895%
151.0	17.900	.960	17411.080	.006%	99.901%	99.901%

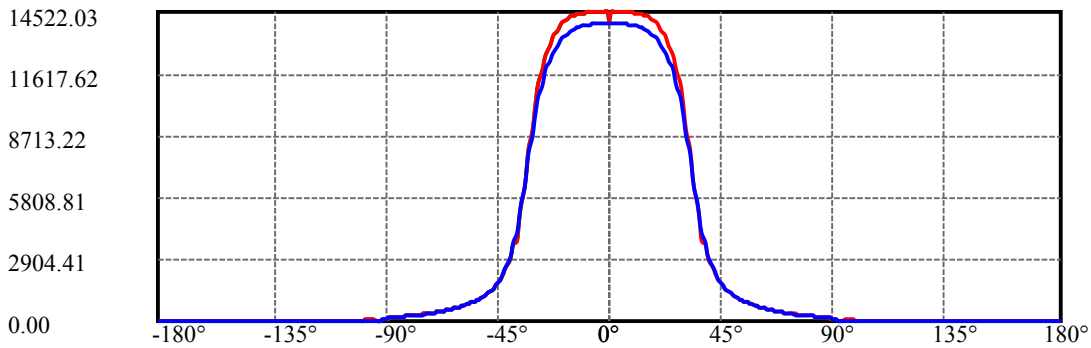
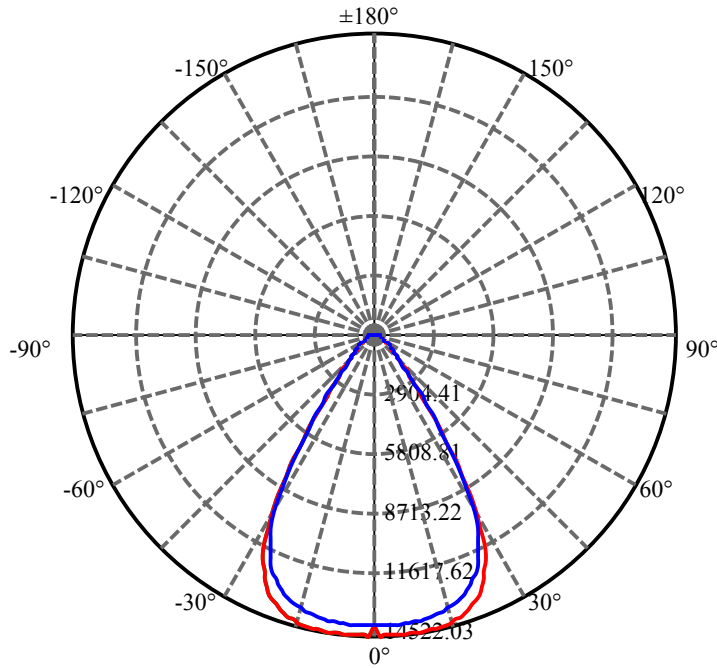
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	18.332	.948	17412.030	.005%	99.906%	99.906%
153.0	18.763	.939	17412.970	.005%	99.911%	99.911%
154.0	19.347	.932	17413.900	.005%	99.917%	99.917%
155.0	19.906	.927	17414.830	.005%	99.922%	99.922%
156.0	20.439	.917	17415.740	.005%	99.927%	99.927%
157.0	21.048	.907	17416.650	.005%	99.933%	99.933%
158.0	21.480	.892	17417.540	.005%	99.938%	99.938%
159.0	21.886	.871	17418.410	.005%	99.943%	99.943%
160.0	22.292	.848	17419.260	.005%	99.948%	99.948%
161.0	22.699	.823	17420.090	.005%	99.952%	99.952%
162.0	22.978	.795	17420.880	.005%	99.957%	99.957%
163.0	23.283	.763	17421.640	.004%	99.961%	99.961%
164.0	23.536	.729	17422.370	.004%	99.965%	99.965%
165.0	23.790	.693	17423.070	.004%	99.969%	99.969%
166.0	24.120	.658	17423.720	.004%	99.973%	99.973%
167.0	24.298	.620	17424.340	.004%	99.977%	99.977%
168.0	24.527	.579	17424.920	.003%	99.980%	99.980%
169.0	24.628	.537	17425.460	.003%	99.983%	99.983%
170.0	24.730	.493	17425.960	.003%	99.986%	99.986%
171.0	24.857	.449	17426.400	.003%	99.989%	99.989%
172.0	25.060	.405	17426.810	.002%	99.991%	99.991%
173.0	25.314	.361	17427.170	.002%	99.993%	99.993%
174.0	25.441	.315	17427.480	.002%	99.995%	99.995%
175.0	25.669	.269	17427.750	.002%	99.996%	99.996%
176.0	26.025	.222	17427.980	.001%	99.998%	99.998%
177.0	26.228	.175	17428.150	.001%	99.999%	99.999%
178.0	26.558	.126	17428.280	.001%	99.999%	99.999%
179.0	26.786	.077	17428.360	.000%	100.000%	100.000%
180.0	27.015	.026	17428.380	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	10651.42	61.12%
0-40	14118.55	81.01%
0-60	16276.86	93.39%
0-90	17305.03	99.29%
0-120	17383.71	99.74%
0-180	17428.38	100.00%
60-90	1093.14	6.27%
90-120	87.79	0.50%
90-130	95.78	0.55%
90-150	114.20	0.66%
90-180	132.44	0.76%
0-39.15	13942.71	80.00%

ZONAL LUMEN SUMMARY

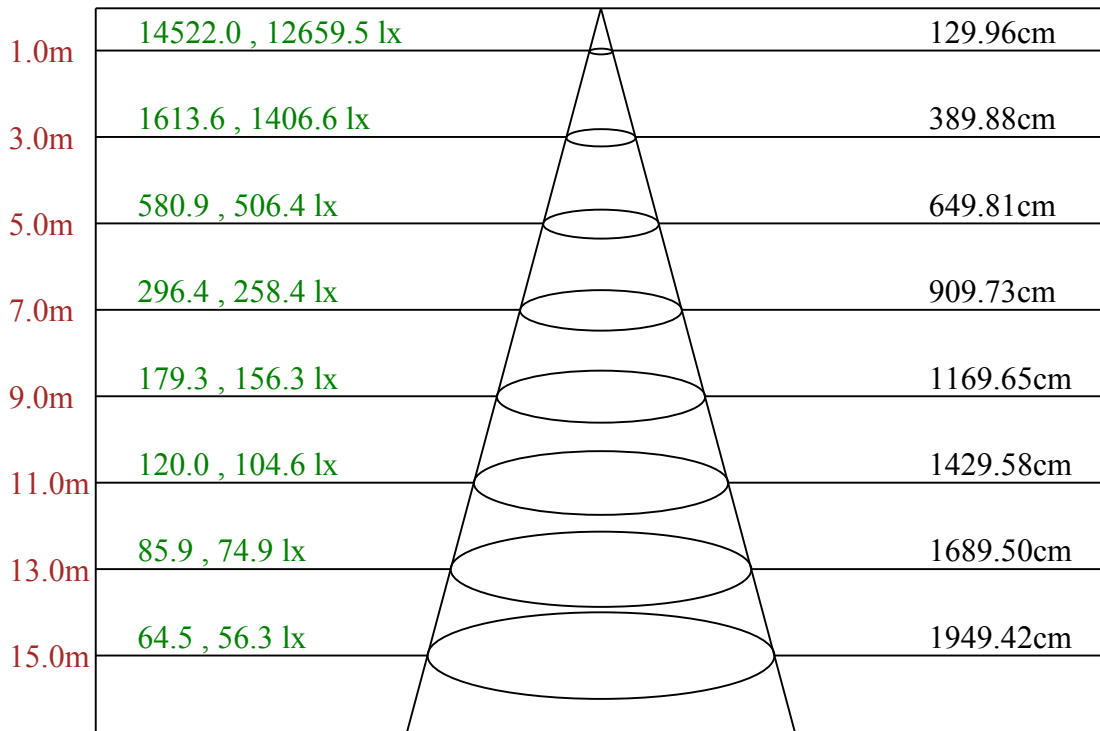
0-10	1340.34
10-20	3890.18
20-30	5420.91
30-40	3467.13
40-50	1374.12
50-60	784.19
60-70	516.11
70-80	323.54
80-90	188.52
90-100	47.39
100-110	21.39
110-120	9.90
120-130	7.99
130-140	8.71
140-150	9.71
150-160	9.14
160-170	6.69
170-180	2.40



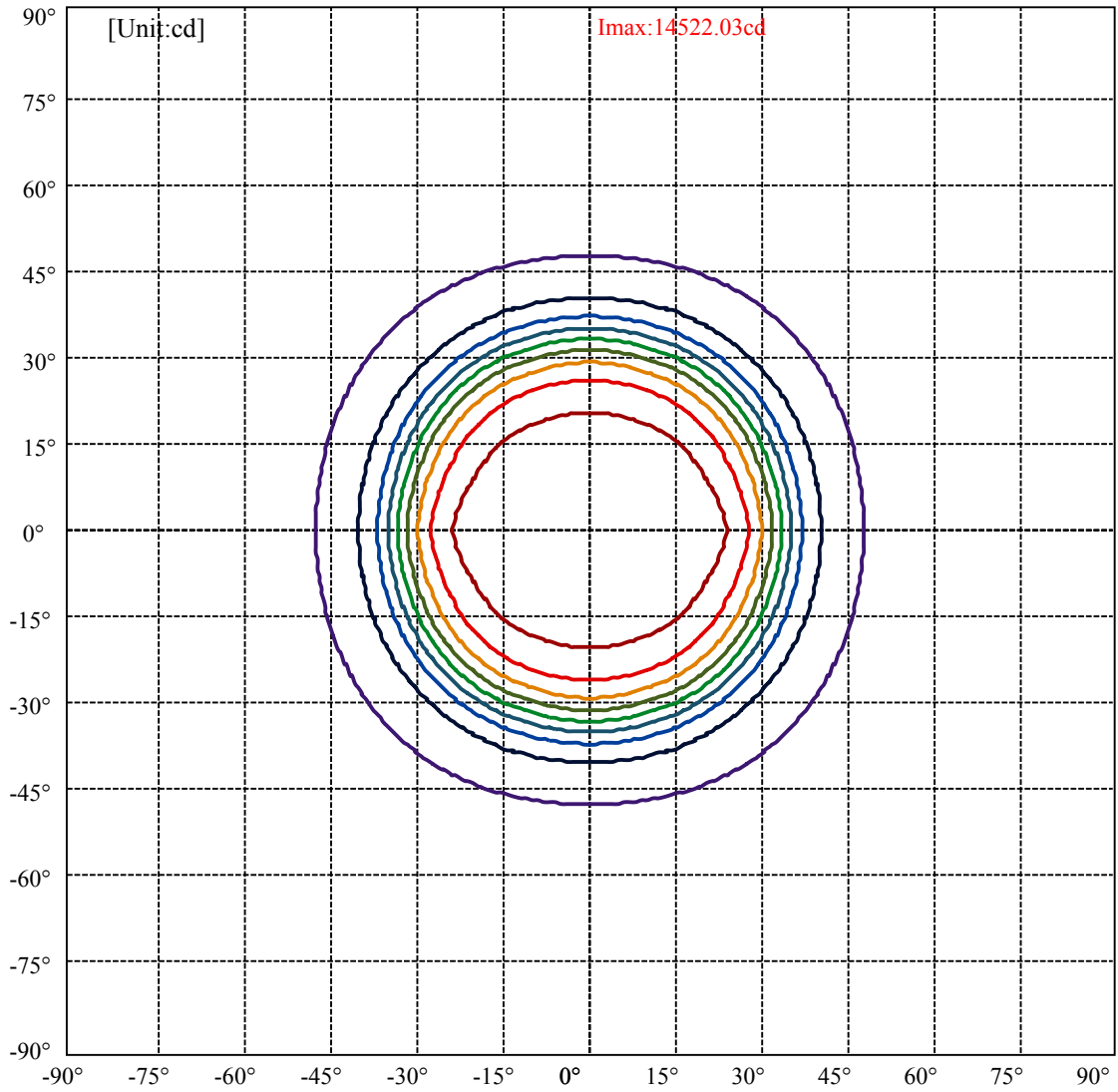
C360(Max): ———
C0/C180: ———
C90/C270: ———

Field angle(10%Imax):C0/180Left:47.5 Right:47.5
:C90/270Left:47.6 Right:47.6

Beam Angle(50%Imax):C0/180Left:33.3 Right:33.3
:C90/270Left:33.2 Right:33.2



Max , Ave Beam angle of C360plane66.03

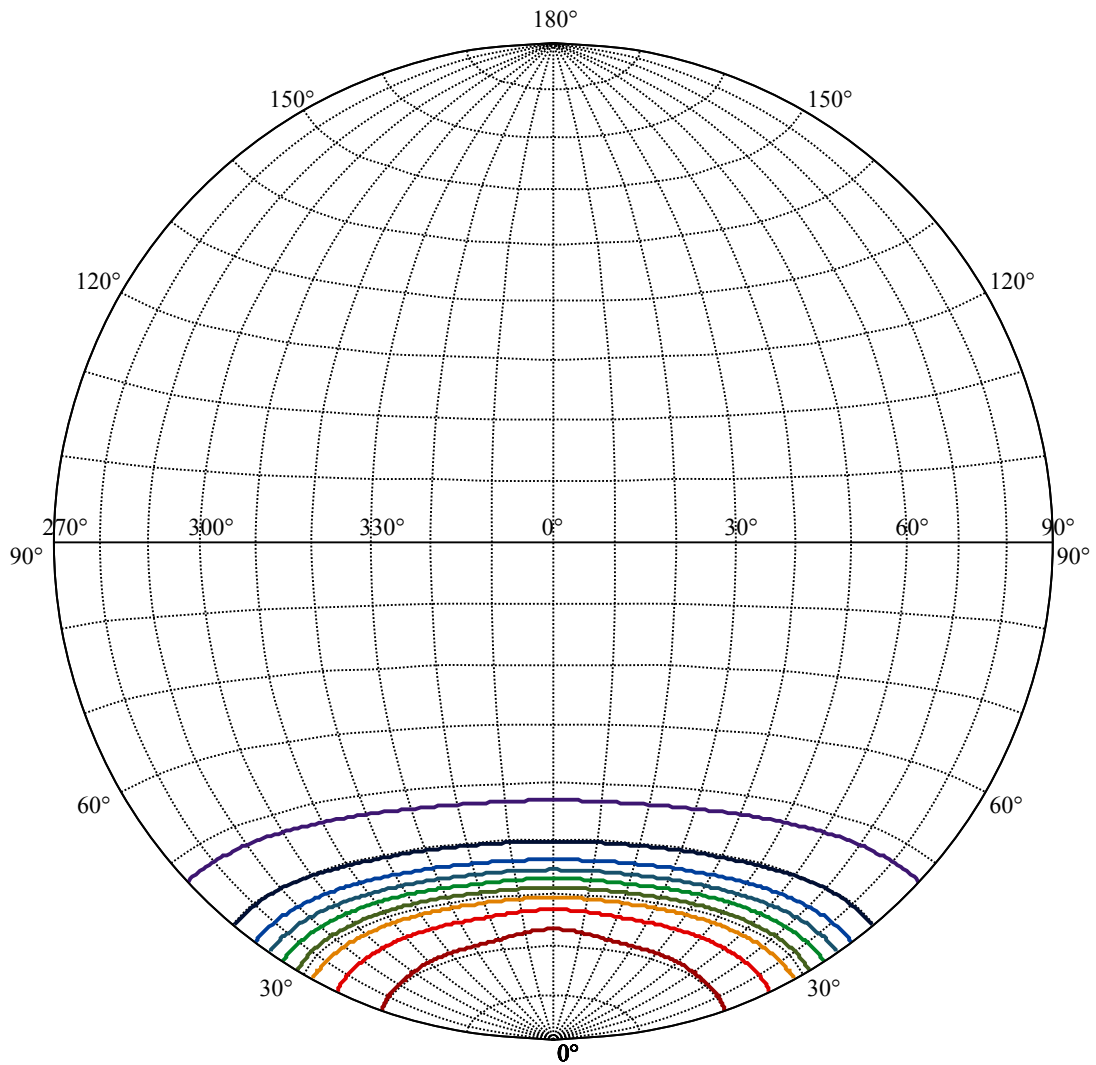


(10%Imax) 1448.53	—
(20%Imax) 2897.05	—
(30%Imax) 4345.58	—
(40%Imax) 5794.11	—
(50%Imax) 7242.63	—
(60%Imax) 8691.16	—
(70%Imax) 10139.7	—
(80%Imax) 11588.2	—
(90%Imax) 13036.7	—

Equipment:
Temperature(°C): 25.0

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

Operator: Meteor
Distance(m): 14.25












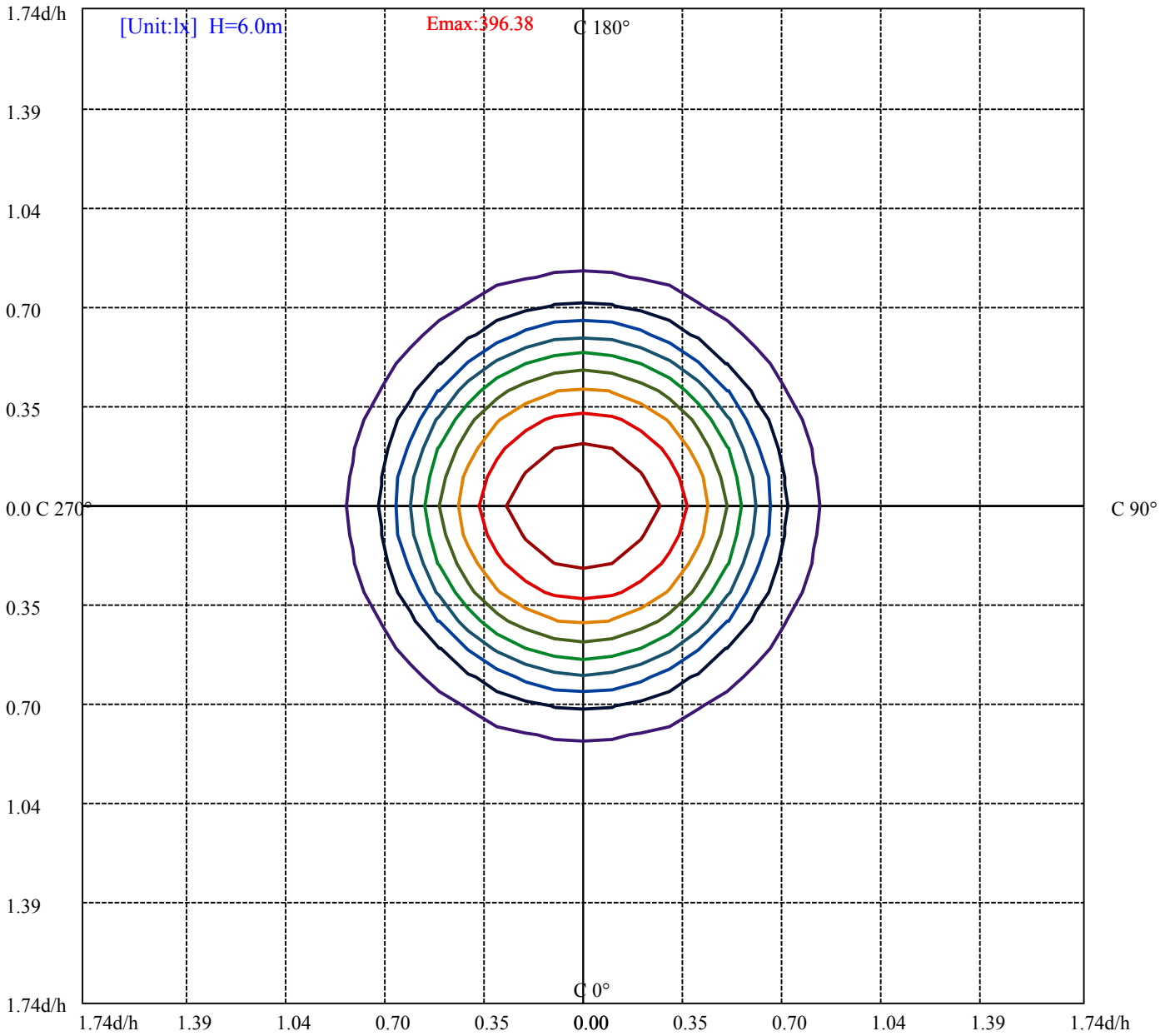
House

[Unit:cd]

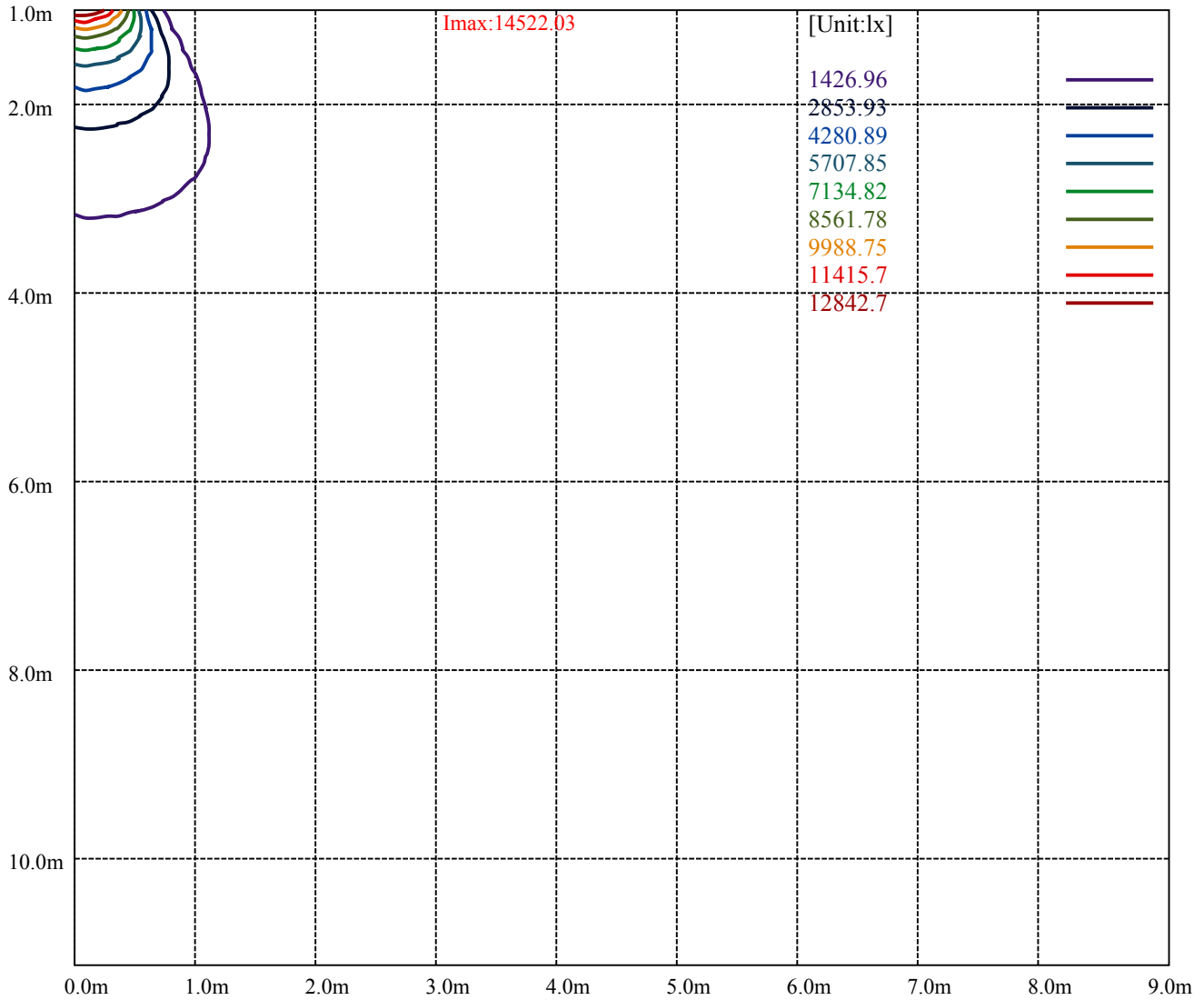
Road

Imax:14522.03

(10%Imax)	1449.89	
(20%Imax)	2899.79	
(30%Imax)	4349.68	
(40%Imax)	5799.57	
(50%Imax)	7249.46	
(60%Imax)	8699.36	
(70%Imax)	10149.2	
(80%Imax)	11599.1	
(90%Imax)	13049	



- (10%Emax) 39.63778 ———
- (20%Emax) 79.27555 ———
- (30%Emax) 118.9133 ———
- (40%Emax) 158.5511 ———
- (50%Emax) 198.1889 ———
- (60%Emax) 237.8267 ———
- (70%Emax) 277.4647 ———
- (80%Emax) 317.1028 ———
- (90%Emax) 356.7389 ———



Luminance Table

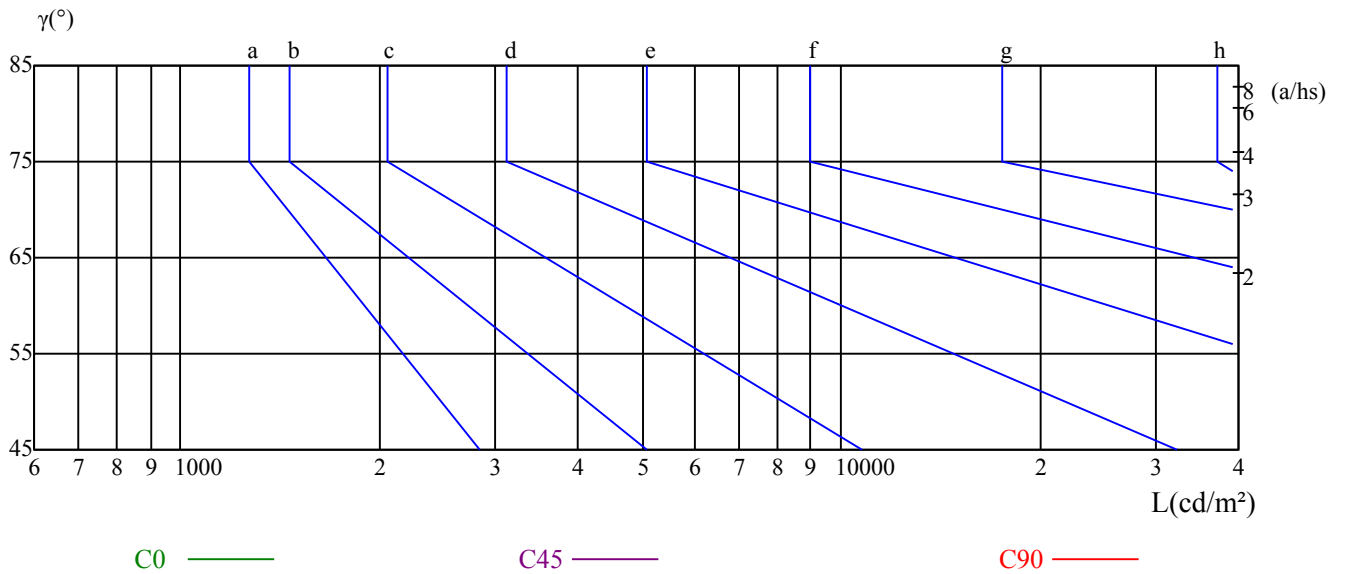
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

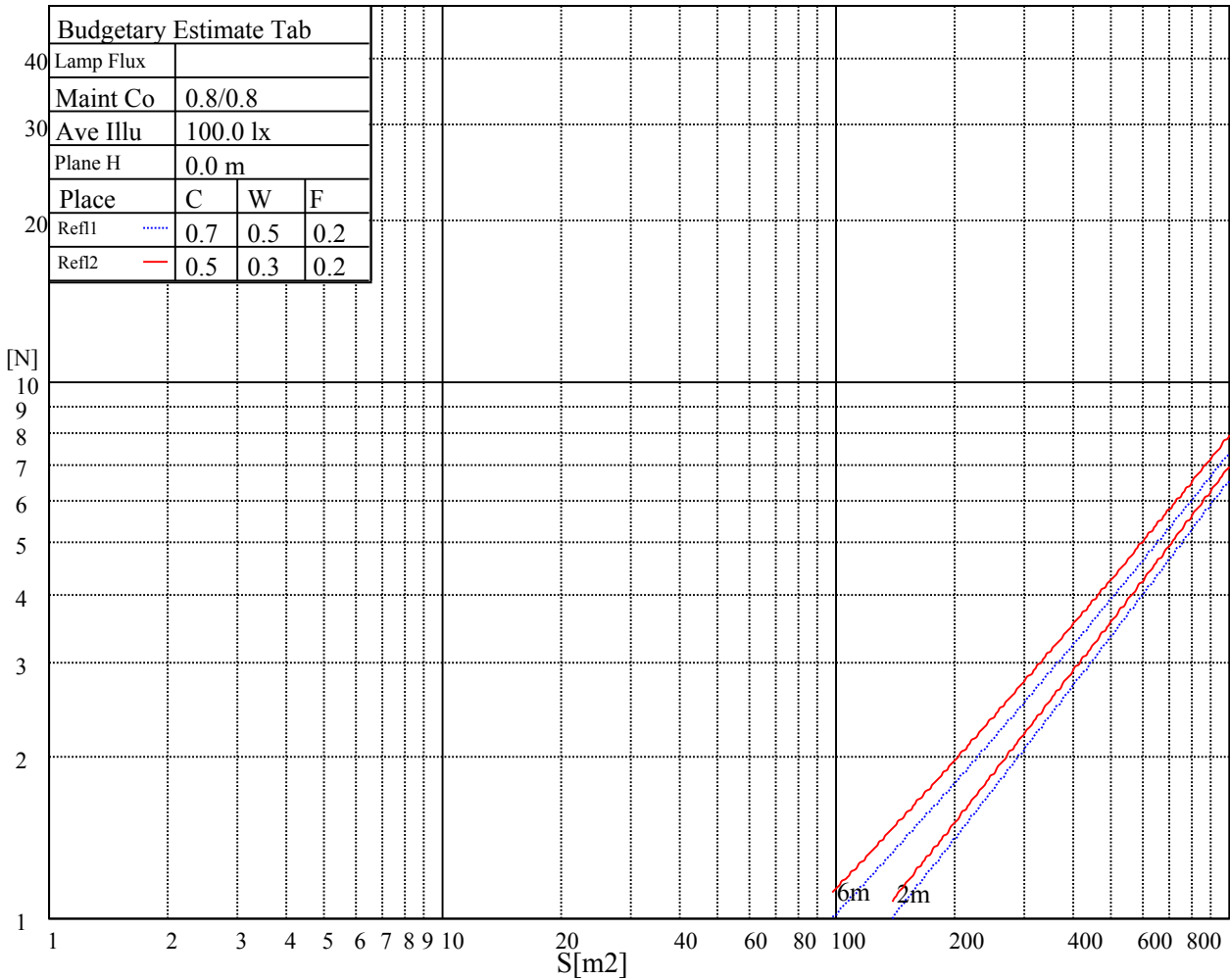
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

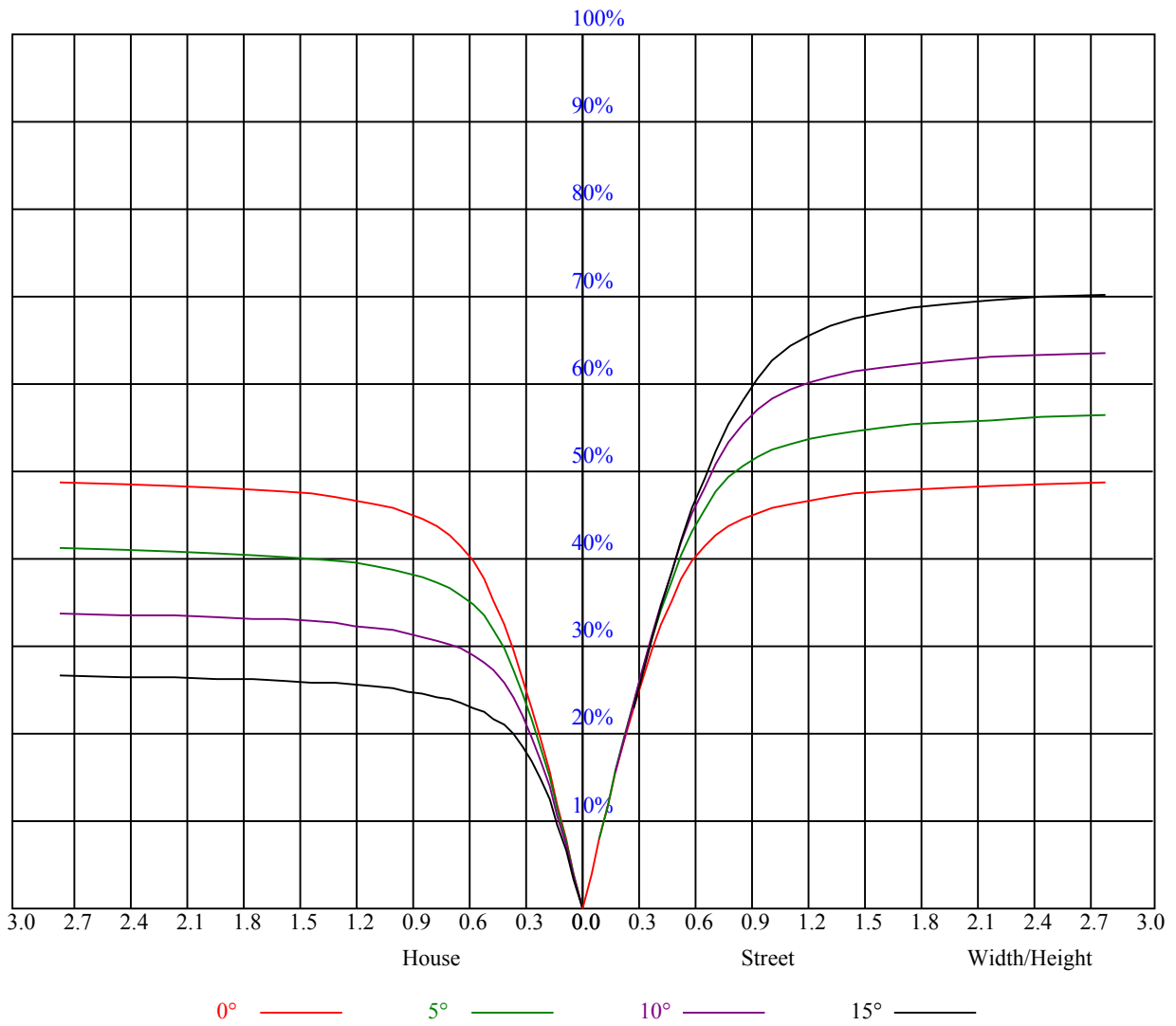
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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 RHOFC=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	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.90
2	0.99	0.95	0.91	0.98	0.93	0.90	0.94	0.91	0.87	0.91	0.88	0.85	0.88	0.86	0.84	0.82
3	0.92	0.86	0.81	0.90	0.85	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.82	0.79	0.76	0.75
4	0.85	0.78	0.73	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.74	0.71	0.77	0.73	0.70	0.68
5	0.78	0.72	0.67	0.77	0.71	0.66	0.75	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.63
6	0.73	0.66	0.61	0.72	0.66	0.61	0.70	0.65	0.61	0.69	0.64	0.60	0.67	0.63	0.60	0.58
7	0.68	0.61	0.57	0.67	0.61	0.56	0.66	0.60	0.56	0.65	0.59	0.56	0.63	0.59	0.55	0.54
8	0.64	0.57	0.52	0.63	0.57	0.52	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.51	0.50
9	0.60	0.53	0.49	0.59	0.53	0.49	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.47
10	0.56	0.50	0.46	0.56	0.50	0.45	0.55	0.49	0.45	0.54	0.49	0.45	0.53	0.48	0.45	0.44



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	14002.25	14478.16	14480.19	14480.19	14481.20	14484.25	14484.25	14485.26	14484.25
22.5	14002.25	14004.28	14003.26	14005.29	14006.31	14007.93	14008.95	14008.95	14007.93
45.0	14002.25	14001.84	14000.82	14001.84	13999.20	13997.17	13994.12	13987.62	13981.12
67.5	14002.25	14000.82	13999.81	13997.17	13992.70	13988.03	13977.87	13965.68	13952.48
90.0	14002.25	14001.23	14001.23	13996.15	13989.04	13976.86	13966.70	13950.45	13932.98
112.5	14002.25	14000.82	13999.81	13997.17	13992.70	13988.03	13977.87	13965.68	13952.48
135.0	14002.25	14001.84	14000.82	14001.84	13999.20	13997.17	13994.12	13987.62	13981.12
157.5	14002.25	14004.28	14003.26	14005.29	14006.31	14007.93	14008.95	14008.95	14007.93
180.0	14002.25	14478.16	14480.19	14480.19	14481.20	14484.25	14484.25	14485.26	14484.25
202.5	14002.25	14004.28	14003.26	14005.29	14006.31	14007.93	14008.95	14008.95	14007.93
225.0	14002.25	14001.84	14000.82	14001.84	13999.20	13997.17	13994.12	13987.62	13981.12
247.5	14002.25	14000.82	13999.81	13997.17	13992.70	13988.03	13977.87	13965.68	13952.48
270.0	14002.25	14001.23	14001.23	13996.15	13989.04	13976.86	13966.70	13950.45	13932.98
292.5	14002.25	14000.82	13999.81	13997.17	13992.70	13988.03	13977.87	13965.68	13952.48
315.0	14002.25	14001.84	14000.82	14001.84	13999.20	13997.17	13994.12	13987.62	13981.12
337.5	14002.25	14004.28	14003.26	14005.29	14006.31	14007.93	14008.95	14008.95	14007.93
360.0	14002.25	14478.16	14480.19	14480.19	14481.20	14484.25	14484.25	14485.26	14484.25
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	14478.16	14468.00	14453.78	14436.52	14412.95	14378.42	14317.28	14255.13	14179.57
22.5	14020.73	13993.92	13980.92	13963.65	13937.45	13899.06	13848.08	13788.36	13708.94
45.0	13981.93	13951.06	13931.36	13901.91	13872.45	13814.77	13759.32	13694.52	13606.16
67.5	13943.14	13908.20	13874.08	13839.55	13795.27	13745.50	13678.27	13604.13	13516.18
90.0	13911.65	13883.22	13861.69	13818.02	13770.08	13724.18	13638.66	13560.26	13469.67
112.5	13957.56	13908.20	13874.08	13839.55	13795.27	13745.50	13678.27	13604.13	13516.18
135.0	13967.92	13951.06	13931.36	13901.91	13872.45	13814.77	13759.32	13694.52	13606.16
157.5	13960.20	13993.92	13980.92	13963.65	13937.45	13899.06	13848.08	13788.36	13708.94
180.0	14478.16	14468.00	14453.78	14436.52	14412.95	14378.42	14317.28	14255.13	14179.57
202.5	14020.73	13993.92	13980.92	13963.65	13937.45	13899.06	13848.08	13788.36	13708.94
225.0	13981.93	13951.06	13931.36	13901.91	13872.45	13814.77	13759.32	13694.52	13606.16
247.5	13943.14	13908.20	13874.08	13839.55	13795.27	13745.50	13678.27	13604.13	13516.18
270.0	13911.65	13883.22	13861.69	13818.02	13770.08	13724.18	13638.66	13560.26	13469.67
292.5	13892.77	13908.20	13874.08	13839.55	13795.27	13745.50	13678.27	13604.13	13516.18
315.0	13941.72	13951.06	13931.36	13901.91	13872.45	13814.77	13759.32	13694.52	13606.16
337.5	14002.25	13993.92	13980.92	13963.65	13937.45	13899.06	13848.08	13788.36	13708.94
360.0	14478.16	14468.00	14453.78	14436.52	14412.95	14378.42	14317.28	14255.13	14179.57
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	14097.10	13966.70	13825.94	13652.68	13461.14	13206.42	12901.75	12576.55	12171.94
22.5	13605.76	13496.28	13367.29	13181.85	12980.96	12754.89	12461.18	12104.09	11715.73
45.0	13500.54	13386.39	13245.83	13070.33	12851.98	12613.92	12315.54	12006.60	11618.64
67.5	13381.31	13251.72	13098.97	12930.18	12734.78	12494.29	12195.70	11883.91	11532.92
90.0	13345.36	13216.99	13065.26	12894.23	12640.53	12442.90	12182.30	11872.54	11472.39
112.5	13381.31	13251.72	13098.97	12930.18	12734.78	12494.29	12195.70	11883.91	11532.92
135.0	13500.54	13386.39	13245.83	13070.33	12851.98	12613.92	12315.54	12006.60	11618.64
157.5	13605.76	13496.28	13367.29	13181.85	12980.96	12754.89	12461.18	12104.09	11715.73
180.0	14097.10	13966.70	13825.94	13652.68	13461.14	13206.42	12901.75	12576.55	12171.94
202.5	13605.76	13496.28	13367.29	13181.85	12980.96	12754.89	12461.18	12104.09	11715.73
225.0	13500.54	13386.39	13245.83	13070.33	12851.98	12613.92	12315.54	12006.60	11618.64
247.5	13381.31	13251.72	13098.97	12930.18	12734.78	12494.29	12195.70	11883.91	11532.92
270.0	13345.36	13216.99	13065.26	12894.23	12640.53	12442.90	12182.30	11872.54	11472.39
292.5	13381.31	13251.72	13098.97	12930.18	12734.78	12494.29	12195.70	11883.91	11532.92
315.0	13500.54	13386.39	13245.83	13070.33	12851.98	12613.92	12315.54	12006.60	11618.64
337.5	13605.76	13496.28	13367.29	13181.85	12980.96	12754.89	12461.18	12104.09	11715.73
360.0	14097.10	13966.70	13825.94	13652.68	13461.14	13206.42	12901.75	12576.55	12171.94

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	11727.71	11217.07	10535.40	9774.11	8946.60	8114.02	7253.80	6340.78	5408.26
22.5	11281.87	10731.62	10162.68	9413.37	8676.45	7803.24	6907.08	6060.68	5264.66
45.0	11200.01	10671.29	10080.62	9387.37	8679.50	7870.07	7031.19	6107.40	5327.42
67.5	11082.81	10608.32	10021.71	9369.50	8665.89	7834.93	7062.26	6239.43	5496.21
90.0	11030.41	10569.93	10047.51	9413.98	8615.52	7896.47	7146.76	6307.47	5489.71
112.5	11082.81	10608.32	10021.71	9369.50	8665.89	7834.93	7062.26	6239.43	5496.21
135.0	11200.01	10671.29	10080.62	9387.37	8679.50	7870.07	7031.19	6107.40	5327.42
157.5	11281.87	10731.62	10162.68	9413.37	8676.45	7803.24	6907.08	6060.68	5264.66
180.0	11727.71	11217.07	10535.40	9774.11	8946.60	8114.02	7253.80	6340.78	5408.26
202.5	11281.87	10731.62	10162.68	9413.37	8676.45	7803.24	6907.08	6060.68	5264.66
225.0	11200.01	10671.29	10080.62	9387.37	8679.50	7870.07	7031.19	6107.40	5327.42
247.5	11082.81	10608.32	10021.71	9369.50	8665.89	7834.93	7062.26	6239.43	5496.21
270.0	11030.41	10569.93	10047.51	9413.98	8615.52	7896.47	7146.76	6307.47	5489.71
292.5	11082.81	10608.32	10021.71	9369.50	8665.89	7834.93	7062.26	6239.43	5496.21
315.0	11200.01	10671.29	10080.62	9387.37	8679.50	7870.07	7031.19	6107.40	5327.42
337.5	11281.87	10731.62	10162.68	9413.37	8676.45	7803.24	6907.08	6060.68	5264.66
360.0	11727.71	11217.07	10535.40	9774.11	8946.60	8114.02	7253.80	6340.78	5408.26
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	4722.53	3803.01	3605.17	3188.37	2789.64	2538.79	2295.05	2076.69	1877.64
22.5	4507.02	3972.81	3368.53	3086.60	2749.02	2448.81	2228.22	1995.65	1835.39
45.0	4643.72	3988.86	3547.89	3029.73	2778.88	2486.59	2251.17	2042.16	1852.45
67.5	4751.78	4126.58	3540.17	3147.13	2870.89	2539.20	2281.84	2058.01	1875.40
90.0	4817.59	4176.95	3681.95	3141.45	2847.33	2560.73	2318.00	2087.05	1888.81
112.5	4751.78	4126.58	3540.17	3147.13	2870.89	2539.20	2281.84	2058.01	1875.40
135.0	4643.72	3988.86	3547.89	3029.73	2778.88	2486.59	2251.17	2042.16	1852.45
157.5	4507.02	3972.81	3368.53	3086.60	2749.02	2448.81	2228.22	1995.65	1835.39
180.0	4722.53	3803.01	3605.17	3188.37	2789.64	2538.79	2295.05	2076.69	1877.64
202.5	4507.02	3972.81	3368.53	3086.60	2749.02	2448.81	2228.22	1995.65	1835.39
225.0	4643.72	3988.86	3547.89	3029.73	2778.88	2486.59	2251.17	2042.16	1852.45
247.5	4751.78	4126.58	3540.17	3147.13	2870.89	2539.20	2281.84	2058.01	1875.40
270.0	4817.59	4176.95	3681.95	3141.45	2847.33	2560.73	2318.00	2087.05	1888.81
292.5	4751.78	4126.58	3540.17	3147.13	2870.89	2539.20	2281.84	2058.01	1875.40
315.0	4643.72	3988.86	3547.89	3029.73	2778.88	2486.59	2251.17	2042.16	1852.45
337.5	4507.02	3972.81	3368.53	3086.60	2749.02	2448.81	2228.22	1995.65	1835.39
360.0	4722.53	3803.01	3605.17	3188.37	2789.64	2538.79	2295.05	2076.69	1877.64
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1713.92	1570.32	1455.96	1347.09	1256.90	1176.27	1113.50	1027.58	962.58
22.5	1669.85	1544.12	1422.24	1324.75	1226.64	1153.11	1074.50	1018.44	951.82
45.0	1686.91	1558.94	1444.79	1334.50	1239.64	1147.83	1089.33	1006.66	950.60
67.5	1723.88	1579.25	1464.49	1356.84	1269.09	1179.31	1098.67	1034.89	965.83
90.0	1750.69	1578.24	1458.80	1357.25	1279.65	1175.66	1087.30	1023.11	965.22
112.5	1723.88	1579.25	1464.49	1356.84	1269.09	1179.31	1098.67	1034.89	965.83
135.0	1686.91	1558.94	1444.79	1334.50	1239.64	1147.83	1089.33	1006.66	950.60
157.5	1669.85	1544.12	1422.24	1324.75	1226.64	1153.11	1074.50	1018.44	951.82
180.0	1713.92	1570.32	1455.96	1347.09	1256.90	1176.27	1113.50	1027.58	962.58
202.5	1669.85	1544.12	1422.24	1324.75	1226.64	1153.11	1074.50	1018.44	951.82
225.0	1686.91	1558.94	1444.79	1334.50	1239.64	1147.83	1089.33	1006.66	950.60
247.5	1723.88	1579.25	1464.49	1356.84	1269.09	1179.31	1098.67	1034.89	965.83
270.0	1750.69	1578.24	1458.80	1357.25	1279.65	1175.66	1087.30	1023.11	965.22
292.5	1723.88	1579.25	1464.49	1356.84	1269.09	1179.31	1098.67	1034.89	965.83
315.0	1686.91	1558.94	1444.79	1334.50	1239.64	1147.83	1089.33	1006.66	950.60
337.5	1669.85	1544.12	1422.24	1324.75	1226.64	1153.11	1074.50	1018.44	951.82
360.0	1713.92	1570.32	1455.96	1347.09	1256.90	1176.27	1113.50	1027.58	962.58

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	911.80	865.70	820.81	783.64	745.65	711.53	671.72	639.42	605.30
22.5	902.05	854.93	811.06	773.28	739.15	705.84	667.65	633.53	601.64
45.0	896.37	849.04	803.54	765.35	729.81	696.70	660.95	625.61	596.16
67.5	915.46	870.16	827.10	786.48	749.10	716.40	679.43	643.89	611.19
90.0	909.37	857.57	815.52	775.31	740.37	700.15	664.40	632.11	601.84
112.5	915.46	870.16	827.10	786.48	749.10	716.40	679.43	643.89	611.19
135.0	896.37	849.04	803.54	765.35	729.81	696.70	660.95	625.61	596.16
157.5	902.05	854.93	811.06	773.28	739.15	705.84	667.65	633.53	601.64
180.0	911.80	865.70	820.81	783.64	745.65	711.53	671.72	639.42	605.30
202.5	902.05	854.93	811.06	773.28	739.15	705.84	667.65	633.53	601.64
225.0	896.37	849.04	803.54	765.35	729.81	696.70	660.95	625.61	596.16
247.5	915.46	870.16	827.10	786.48	749.10	716.40	679.43	643.89	611.19
270.0	909.37	857.57	815.52	775.31	740.37	700.15	664.40	632.11	601.84
292.5	915.46	870.16	827.10	786.48	749.10	716.40	679.43	643.89	611.19
315.0	896.37	849.04	803.54	765.35	729.81	696.70	660.95	625.61	596.16
337.5	902.05	854.93	811.06	773.28	739.15	705.84	667.65	633.53	601.64
360.0	911.80	865.70	820.81	783.64	745.65	711.53	671.72	639.42	605.30
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	573.61	545.99	519.38	489.72	464.13	440.57	418.02	398.72	380.04
22.5	572.59	542.13	513.69	487.69	463.92	438.94	417.82	394.66	375.16
45.0	567.11	539.69	510.03	484.85	460.68	438.54	416.60	393.85	375.16
67.5	582.55	550.25	521.61	494.39	471.24	445.64	424.32	401.97	382.88
90.0	573.41	542.33	511.66	486.88	461.69	439.96	418.83	397.10	374.96
112.5	582.55	550.25	521.61	494.39	471.24	445.64	424.32	401.97	382.88
135.0	567.11	539.69	510.03	484.85	460.68	438.54	416.60	393.85	375.16
157.5	572.59	542.13	513.69	487.69	463.92	438.94	417.82	394.66	375.16
180.0	573.61	545.99	519.38	489.72	464.13	440.57	418.02	398.72	380.04
202.5	572.59	542.13	513.69	487.69	463.92	438.94	417.82	394.66	375.16
225.0	567.11	539.69	510.03	484.85	460.68	438.54	416.60	393.85	375.16
247.5	582.55	550.25	521.61	494.39	471.24	445.64	424.32	401.97	382.88
270.0	573.41	542.33	511.66	486.88	461.69	439.96	418.83	397.10	374.96
292.5	582.55	550.25	521.61	494.39	471.24	445.64	424.32	401.97	382.88
315.0	567.11	539.69	510.03	484.85	460.68	438.54	416.60	393.85	375.16
337.5	572.59	542.13	513.69	487.69	463.92	438.94	417.82	394.66	375.16
360.0	573.61	545.99	519.38	489.72	464.13	440.57	418.02	398.72	380.04
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	357.08	336.57	317.68	296.96	278.88	270.35	257.76	253.09	237.04
22.5	354.24	334.94	316.46	296.96	280.71	264.87	256.34	249.02	236.43
45.0	354.24	333.73	314.43	294.32	277.26	263.45	250.65	237.85	228.10
67.5	362.37	342.26	322.55	306.30	296.96	288.02	270.35	260.60	244.15
90.0	355.66	335.55	313.62	294.73	278.27	267.71	253.70	239.27	230.34
112.5	362.37	342.26	322.55	306.30	296.96	288.02	270.35	260.60	244.15
135.0	354.24	333.73	314.43	294.32	277.26	263.45	250.65	237.85	228.10
157.5	354.24	334.94	316.46	296.96	280.71	264.87	256.34	249.02	236.43
180.0	357.08	336.57	317.68	296.96	278.88	270.35	257.76	253.09	237.04
202.5	354.24	334.94	316.46	296.96	280.71	264.87	256.34	249.02	236.43
225.0	354.24	333.73	314.43	294.32	277.26	263.45	250.65	237.85	228.10
247.5	362.37	342.26	322.55	306.30	296.96	288.02	270.35	260.60	244.15
270.0	355.66	335.55	313.62	294.73	278.27	267.71	253.70	239.27	230.34
292.5	362.37	342.26	322.55	306.30	296.96	288.02	270.35	260.60	244.15
315.0	354.24	333.73	314.43	294.32	277.26	263.45	250.65	237.85	228.10
337.5	354.24	334.94	316.46	296.96	280.71	264.87	256.34	249.02	236.43
360.0	357.08	336.57	317.68	296.96	278.88	270.35	257.76	253.09	237.04

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	228.71	217.34	206.98	194.99	187.68	178.75	162.29	132.43	92.01
22.5	222.62	210.43	201.09	190.93	181.59	169.40	153.15	123.90	90.39
45.0	219.37	209.82	198.65	189.51	181.18	171.23	155.79	126.14	98.11
67.5	233.38	226.28	209.82	196.82	184.03	170.42	156.20	130.40	101.56
90.0	225.67	221.20	207.18	196.21	184.43	174.89	160.46	136.90	109.08
112.5	233.38	226.28	209.82	196.82	184.03	170.42	156.20	130.40	101.56
135.0	219.37	209.82	198.65	189.51	181.18	171.23	155.79	126.14	98.11
157.5	222.62	210.43	201.09	190.93	181.59	169.40	153.15	123.90	90.39
180.0	228.71	217.34	206.98	194.99	187.68	178.75	162.29	132.43	92.01
202.5	222.62	210.43	201.09	190.93	181.59	169.40	153.15	123.90	90.39
225.0	219.37	209.82	198.65	189.51	181.18	171.23	155.79	126.14	98.11
247.5	233.38	226.28	209.82	196.82	184.03	170.42	156.20	130.40	101.56
270.0	225.67	221.20	207.18	196.21	184.43	174.89	160.46	136.90	109.08
292.5	233.38	226.28	209.82	196.82	184.03	170.42	156.20	130.40	101.56
315.0	219.37	209.82	198.65	189.51	181.18	171.23	155.79	126.14	98.11
337.5	222.62	210.43	201.09	190.93	181.59	169.40	153.15	123.90	90.39
360.0	228.71	217.34	206.98	194.99	187.68	178.75	162.29	132.43	92.01
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	62.76	40.62	40.42	43.06	45.30	46.92	47.94	46.31	43.87
22.5	68.25	44.48	39.41	41.44	43.06	44.28	44.28	42.86	40.83
45.0	65.20	49.76	39.81	41.64	44.08	45.70	45.91	44.28	41.64
67.5	70.48	43.87	39.41	40.62	42.05	42.86	42.86	41.84	40.01
90.0	76.37	42.66	39.20	40.83	43.06	44.28	45.09	44.69	42.66
112.5	70.48	43.87	39.41	40.62	42.05	42.86	42.86	41.84	40.01
135.0	65.20	49.76	39.81	41.64	44.08	45.70	45.91	44.28	41.64
157.5	68.25	44.48	39.41	41.44	43.06	44.28	44.28	42.86	40.83
180.0	62.76	40.62	40.42	43.06	45.30	46.92	47.94	46.31	43.87
202.5	68.25	44.48	39.41	41.44	43.06	44.28	44.28	42.86	40.83
225.0	65.20	49.76	39.81	41.64	44.08	45.70	45.91	44.28	41.64
247.5	70.48	43.87	39.41	40.62	42.05	42.86	42.86	41.84	40.01
270.0	76.37	42.66	39.20	40.83	43.06	44.28	45.09	44.69	42.66
292.5	70.48	43.87	39.41	40.62	42.05	42.86	42.86	41.84	40.01
315.0	65.20	49.76	39.81	41.64	44.08	45.70	45.91	44.28	41.64
337.5	68.25	44.48	39.41	41.44	43.06	44.28	44.28	42.86	40.83
360.0	62.76	40.62	40.42	43.06	45.30	46.92	47.94	46.31	43.87
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	40.83	37.17	32.70	28.44	23.97	21.12	18.48	16.45	15.03
22.5	38.59	35.14	31.08	27.42	23.76	20.92	18.28	16.45	14.83
45.0	38.39	34.53	30.47	26.61	23.36	20.31	18.08	16.05	14.83
67.5	37.37	33.92	30.06	26.20	22.95	20.11	17.87	16.05	14.62
90.0	39.81	35.55	31.28	27.22	23.36	20.72	18.48	16.45	15.03
112.5	37.37	33.92	30.06	26.20	22.95	20.11	17.87	16.05	14.62
135.0	38.39	34.53	30.47	26.61	23.36	20.31	18.08	16.05	14.83
157.5	38.59	35.14	31.08	27.42	23.76	20.92	18.28	16.45	14.83
180.0	40.83	37.17	32.70	28.44	23.97	21.12	18.48	16.45	15.03
202.5	38.59	35.14	31.08	27.42	23.76	20.92	18.28	16.45	14.83
225.0	38.39	34.53	30.47	26.61	23.36	20.31	18.08	16.05	14.83
247.5	37.37	33.92	30.06	26.20	22.95	20.11	17.87	16.05	14.62
270.0	39.81	35.55	31.28	27.22	23.36	20.72	18.48	16.45	15.03
292.5	37.37	33.92	30.06	26.20	22.95	20.11	17.87	16.05	14.62
315.0	38.39	34.53	30.47	26.61	23.36	20.31	18.08	16.05	14.83
337.5	38.59	35.14	31.08	27.42	23.76	20.92	18.28	16.45	14.83
360.0	40.83	37.17	32.70	28.44	23.97	21.12	18.48	16.45	15.03

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	14.02	13.00	12.19	11.58	10.97	10.56	10.16	9.95	9.55
22.5	13.81	13.00	12.19	11.37	10.97	10.56	10.16	9.75	9.34
45.0	13.61	12.80	12.19	11.58	10.97	10.56	9.95	9.75	9.34
67.5	13.61	12.80	11.98	11.37	10.77	10.36	9.95	9.55	9.34
90.0	13.81	13.00	12.19	11.58	10.97	10.56	9.95	9.95	9.55
112.5	13.61	12.80	11.98	11.37	10.77	10.36	9.95	9.55	9.34
135.0	13.61	12.80	12.19	11.58	10.97	10.56	9.95	9.75	9.34
157.5	13.81	13.00	12.19	11.37	10.97	10.56	10.16	9.75	9.34
180.0	14.02	13.00	12.19	11.58	10.97	10.56	10.16	9.95	9.55
202.5	13.81	13.00	12.19	11.37	10.97	10.56	10.16	9.75	9.34
225.0	13.61	12.80	12.19	11.58	10.97	10.56	9.95	9.75	9.34
247.5	13.61	12.80	11.98	11.37	10.77	10.36	9.95	9.55	9.34
270.0	13.81	13.00	12.19	11.58	10.97	10.56	9.95	9.95	9.55
292.5	13.61	12.80	11.98	11.37	10.77	10.36	9.95	9.55	9.34
315.0	13.61	12.80	12.19	11.58	10.97	10.56	9.95	9.75	9.34
337.5	13.81	13.00	12.19	11.37	10.97	10.56	10.16	9.75	9.34
360.0	14.02	13.00	12.19	11.58	10.97	10.56	10.16	9.95	9.55
C/ γ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	9.34	9.14	8.94	8.73	8.73	8.53	8.73	8.73	8.73
22.5	9.14	8.94	8.94	8.73	8.53	8.73	8.53	8.53	8.73
45.0	9.14	8.94	8.94	8.73	8.53	8.53	8.53	8.73	8.73
67.5	9.14	8.94	8.73	8.73	8.53	8.53	8.53	8.73	8.73
90.0	9.14	9.14	8.94	8.94	8.94	8.94	8.73	8.73	8.94
112.5	9.14	8.94	8.73	8.73	8.73	8.53	8.53	8.73	8.73
135.0	9.14	8.94	8.94	8.73	8.53	8.53	8.53	8.73	8.73
157.5	9.14	8.94	8.94	8.73	8.53	8.73	8.53	8.53	8.73
180.0	9.34	9.14	8.94	8.73	8.73	8.53	8.73	8.73	8.73
202.5	9.14	8.94	8.94	8.73	8.53	8.73	8.53	8.53	8.73
225.0	9.14	8.94	8.94	8.73	8.53	8.53	8.53	8.73	8.73
247.5	9.14	8.94	8.73	8.73	8.73	8.53	8.53	8.73	8.73
270.0	9.14	9.14	8.94	8.94	8.94	8.94	8.73	8.73	8.94
292.5	9.14	8.94	8.73	8.73	8.73	8.53	8.53	8.73	8.73
315.0	9.14	8.94	8.94	8.73	8.53	8.53	8.53	8.73	8.73
337.5	9.14	8.94	8.94	8.73	8.53	8.73	8.53	8.53	8.73
360.0	9.34	9.14	8.94	8.73	8.73	8.53	8.73	8.73	8.73
C/ γ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	8.94	9.14	9.55	9.55	9.95	10.16	10.56	10.77	11.17
22.5	8.73	8.94	9.14	9.34	9.55	9.75	10.16	10.56	10.97
45.0	8.94	8.94	9.14	9.34	9.75	9.95	10.16	10.56	10.77
67.5	8.94	8.94	9.34	9.55	9.75	9.95	10.36	10.56	10.77
90.0	8.94	9.34	9.34	9.55	9.95	9.95	10.16	10.56	10.97
112.5	8.94	8.94	9.34	9.55	9.75	9.95	10.36	10.56	10.77
135.0	8.94	8.94	9.14	9.34	9.75	9.95	10.16	10.56	10.77
157.5	8.73	8.94	9.14	9.34	9.55	9.75	10.16	10.56	10.97
180.0	8.94	9.14	9.55	9.55	9.95	10.16	10.56	10.77	11.17
202.5	8.73	8.94	9.14	9.34	9.55	9.75	10.16	10.56	10.97
225.0	8.94	8.94	9.14	9.34	9.75	9.95	10.16	10.56	10.77
247.5	8.94	8.94	9.34	9.55	9.75	9.95	10.36	10.56	10.77
270.0	8.94	9.34	9.34	9.55	9.95	9.95	10.16	10.56	10.97
292.5	8.94	8.94	9.34	9.55	9.75	9.95	10.36	10.56	10.77
315.0	8.94	8.94	9.14	9.34	9.75	9.95	10.16	10.56	10.77
337.5	8.73	8.94	9.14	9.34	9.55	9.75	10.16	10.56	10.97
360.0	8.94	9.14	9.55	9.55	9.95	10.16	10.56	10.77	11.17

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	11.58	11.98	12.39	12.80	13.20	13.81	14.22	14.83	15.44
22.5	11.17	11.58	11.78	12.19	12.59	13.20	13.41	14.02	14.42
45.0	10.97	11.58	11.78	12.19	12.59	13.20	13.61	14.02	14.42
67.5	11.17	11.58	11.98	12.19	12.80	13.20	13.61	14.02	14.62
90.0	11.37	11.58	11.98	12.39	12.80	13.20	13.61	14.22	14.62
112.5	11.17	11.58	11.98	12.19	12.80	13.20	13.61	14.02	14.62
135.0	10.97	11.58	11.78	12.19	12.59	13.20	13.61	14.02	14.42
157.5	11.17	11.58	11.78	12.19	12.59	13.20	13.41	14.02	14.42
180.0	11.58	11.98	12.39	12.80	13.20	13.81	14.22	14.83	15.44
202.5	11.17	11.58	11.78	12.19	12.59	13.20	13.41	14.02	14.42
225.0	10.97	11.58	11.78	12.19	12.59	13.20	13.61	14.02	14.42
247.5	11.17	11.58	11.98	12.19	12.80	13.20	13.61	14.02	14.62
270.0	11.37	11.58	11.98	12.39	12.80	13.20	13.61	14.22	14.62
292.5	11.17	11.58	11.98	12.19	12.80	13.20	13.61	14.02	14.62
315.0	10.97	11.58	11.78	12.19	12.59	13.20	13.61	14.02	14.42
337.5	11.17	11.58	11.78	12.19	12.59	13.20	13.41	14.02	14.42
360.0	11.58	11.98	12.39	12.80	13.20	13.81	14.22	14.83	15.44
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	15.84	16.45	16.86	17.47	17.67	18.08	18.28	18.69	19.30
22.5	15.03	15.44	15.84	16.45	16.86	17.27	17.67	17.87	18.28
45.0	15.03	15.44	16.05	16.45	16.86	17.27	17.67	17.87	18.28
67.5	15.03	15.44	16.05	16.45	16.86	17.27	17.47	17.67	18.08
90.0	15.03	15.64	16.05	16.45	16.86	17.06	17.47	17.67	18.08
112.5	15.03	15.44	16.05	16.45	16.86	17.27	17.47	17.67	18.08
135.0	15.03	15.44	16.05	16.45	16.86	17.27	17.67	17.87	18.28
157.5	15.03	15.44	15.84	16.45	16.86	17.27	17.67	17.87	18.28
180.0	15.84	16.45	16.86	17.47	17.67	18.08	18.28	18.69	19.30
202.5	15.03	15.44	15.84	16.45	16.86	17.27	17.67	17.87	18.28
225.0	15.03	15.44	16.05	16.45	16.86	17.27	17.67	17.87	18.28
247.5	15.03	15.44	16.05	16.45	16.86	17.27	17.47	17.67	18.08
270.0	15.03	15.64	16.05	16.45	16.86	17.06	17.47	17.67	18.08
292.5	15.03	15.44	16.05	16.45	16.86	17.27	17.47	17.67	18.08
315.0	15.03	15.44	16.05	16.45	16.86	17.27	17.67	17.87	18.28
337.5	15.03	15.44	15.84	16.45	16.86	17.27	17.67	17.87	18.28
360.0	15.84	16.45	16.86	17.47	17.67	18.08	18.28	18.69	19.30
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	19.70	20.31	20.92	21.33	21.94	22.55	22.95	23.36	23.76
22.5	18.69	19.30	19.91	20.31	20.92	21.33	21.73	22.14	22.55
45.0	18.69	19.30	19.70	20.31	20.92	21.33	21.73	22.14	22.55
67.5	18.48	19.09	19.70	20.31	20.92	21.33	21.73	22.14	22.55
90.0	18.69	19.09	19.70	20.31	20.92	21.33	21.73	22.14	22.55
112.5	18.48	19.09	19.70	20.31	20.92	21.33	21.73	22.14	22.55
135.0	18.69	19.30	19.70	20.31	20.92	21.33	21.73	22.14	22.55
157.5	18.69	19.30	19.91	20.31	20.92	21.33	21.73	22.14	22.55
180.0	19.70	20.31	20.92	21.33	21.94	22.55	22.95	23.36	23.76
202.5	18.69	19.30	19.91	20.31	20.92	21.33	21.73	22.14	22.55
225.0	18.69	19.30	19.70	20.31	20.92	21.33	21.73	22.14	22.55
247.5	18.48	19.09	19.70	20.31	20.92	21.33	21.73	22.14	22.55
270.0	18.69	19.09	19.70	20.31	20.92	21.33	21.73	22.14	22.55
292.5	18.48	19.09	19.70	20.31	20.92	21.33	21.73	22.14	22.55
315.0	18.69	19.30	19.70	20.31	20.92	21.33	21.73	22.14	22.55
337.5	18.69	19.30	19.91	20.31	20.92	21.33	21.73	22.14	22.55
360.0	19.70	20.31	20.92	21.33	21.94	22.55	22.95	23.36	23.76

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	23.97	24.17	24.58	24.78	25.19	25.19	25.59	25.59	25.80
22.5	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.37	24.58
45.0	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.58	24.58
67.5	22.95	23.16	23.36	23.76	23.97	24.17	24.37	24.58	24.58
90.0	22.95	23.16	23.56	23.76	23.97	24.17	24.37	24.37	24.58
112.5	22.95	23.16	23.36	23.76	23.97	24.17	24.37	24.58	24.58
135.0	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.58	24.58
157.5	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.37	24.58
180.0	23.97	24.17	24.58	24.78	25.19	25.19	25.59	25.59	25.80
202.5	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.37	24.58
225.0	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.58	24.58
247.5	22.95	23.16	23.36	23.76	23.97	24.17	24.37	24.58	24.58
270.0	22.95	23.16	23.56	23.76	23.97	24.17	24.37	24.37	24.58
292.5	22.95	23.16	23.36	23.76	23.97	24.17	24.37	24.58	24.58
315.0	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.58	24.58
337.5	22.75	23.16	23.36	23.56	23.97	24.17	24.37	24.37	24.58
360.0	23.97	24.17	24.58	24.78	25.19	25.19	25.59	25.59	25.80
C/ γ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	25.80	26.20	26.41	26.41	26.81	27.22	27.42	27.83	28.03
22.5	24.78	24.98	25.19	25.39	25.59	26.00	26.20	26.41	26.81
45.0	24.78	24.78	25.19	25.39	25.59	25.80	26.00	26.41	26.61
67.5	24.58	24.98	25.19	25.19	25.39	25.80	26.00	26.41	26.41
90.0	24.78	24.78	24.98	25.19	25.39	25.80	26.00	26.20	26.61
112.5	24.58	24.98	25.19	25.19	25.39	25.80	26.00	26.41	26.41
135.0	24.78	24.78	25.19	25.39	25.59	25.80	26.00	26.41	26.61
157.5	24.78	24.98	25.19	25.39	25.59	26.00	26.20	26.41	26.81
180.0	25.80	26.20	26.41	26.41	26.81	27.22	27.42	27.83	28.03
202.5	24.78	24.98	25.19	25.39	25.59	26.00	26.20	26.41	26.81
225.0	24.78	24.78	25.19	25.39	25.59	25.80	26.00	26.41	26.61
247.5	24.58	24.98	25.19	25.19	25.39	25.80	26.00	26.41	26.41
270.0	24.78	24.78	24.98	25.19	25.39	25.80	26.00	26.20	26.61
292.5	24.58	24.98	25.19	25.19	25.39	25.80	26.00	26.41	26.41
315.0	24.78	24.78	25.19	25.39	25.59	25.80	26.00	26.41	26.61
337.5	24.78	24.98	25.19	25.39	25.59	26.00	26.20	26.41	26.81
360.0	25.80	26.20	26.41	26.41	26.81	27.22	27.42	27.83	28.03
C/ γ (°)	180.0								
0.0	27.01								
22.5	27.01								
45.0	27.01								
67.5	27.01								
90.0	27.01								
112.5	27.01								
135.0	27.01								
157.5	27.01								
180.0	27.01								
202.5	27.01								
225.0	27.01								
247.5	27.01								
270.0	27.01								
292.5	27.01								
315.0	27.01								
337.5	27.01								
360.0	27.01								