



Shenzhen Anbotek Pengcheng Compliance Laboratory Limited

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

LumCAT: TY-BUS-80DW-3

Luminaire:

Report No:

Voltage(V): 219.9500

Test No:

Current(A): 0.3800

LampCAT:

Power (W): 81.5100

Lamp flux(lm)

PF: 0.9757

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 9799.21

Lumens(lm)/Power(W): 120.22

Central intensity(cd): 2467.412

Maximum intensity(cd): 3401.703

Angle of maximum intensity: $C=45.0$ $\gamma=47.0$

Beam Angle(50%Imax): [C0/180]Total=141.5

[C90/270]Total=108.8

Field angle(10%Imax): [C0/180]Total=155.6

[C90/270]Total=135.4

Maximum s/h(1/2): C0_180=1.74 C90_270=1.95

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

Up flux rate of LUM(%): 0.33%

Down flux rate of LUM(%): 99.67%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 79.206%

Equipment:
Temperature(°C): 25.3

Date: 2018-11-14
Humidity(%): 57.0%

Operator: Dick
Distance(m): 14.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	2467.413	.000	.000	.000%	.000%	.000%
1.0	2478.429	2.366	2.366	.024%	.024%	.024%
2.0	2478.264	7.114	9.481	.073%	.097%	.097%
3.0	2477.807	11.853	21.334	.121%	.218%	.218%
4.0	2477.604	16.587	37.921	.169%	.387%	.387%
5.0	2476.893	21.314	59.235	.218%	.604%	.604%
6.0	2475.916	26.028	85.264	.266%	.870%	.870%
7.0	2475.192	30.731	115.995	.314%	1.184%	1.184%
8.0	2475.053	35.428	151.423	.362%	1.545%	1.545%
9.0	2474.317	40.112	191.535	.409%	1.955%	1.955%
10.0	2474.849	44.788	236.323	.457%	2.412%	2.412%
11.0	2473.759	49.447	285.770	.505%	2.916%	2.916%
12.0	2474.075	54.087	339.857	.552%	3.468%	3.468%
13.0	2474.722	58.730	398.587	.599%	4.068%	4.068%
14.0	2475.928	63.368	461.955	.647%	4.714%	4.714%
15.0	2477.121	67.998	529.952	.694%	5.408%	5.408%
16.0	2478.086	72.608	602.560	.741%	6.149%	6.149%
17.0	2478.733	77.191	679.751	.788%	6.937%	6.937%
18.0	2480.040	81.759	761.510	.834%	7.771%	7.771%
19.0	2481.576	86.322	847.832	.881%	8.652%	8.652%
20.0	2484.241	90.888	938.721	.928%	9.580%	9.580%
21.0	2487.884	95.475	1034.195	.974%	10.554%	10.554%
22.0	2492.503	100.083	1134.278	1.021%	11.575%	11.575%
23.0	2496.222	104.677	1238.955	1.068%	12.643%	12.643%
24.0	2502.517	109.290	1348.246	1.115%	13.759%	13.759%
25.0	2509.167	113.955	1462.200	1.163%	14.922%	14.922%
26.0	2515.589	118.610	1580.810	1.210%	16.132%	16.132%
27.0	2522.772	123.265	1704.075	1.258%	17.390%	17.390%
28.0	2530.882	127.948	1832.023	1.306%	18.696%	18.696%
29.0	2538.561	132.631	1964.654	1.353%	20.049%	20.049%
30.0	2545.972	137.281	2101.935	1.401%	21.450%	21.450%
31.0	2552.521	141.884	2243.819	1.448%	22.898%	22.898%
32.0	2558.308	146.419	2390.238	1.494%	24.392%	24.392%
33.0	2564.616	150.923	2541.161	1.540%	25.932%	25.932%
34.0	2568.842	155.354	2696.515	1.585%	27.518%	27.518%
35.0	2572.561	159.673	2856.188	1.629%	29.147%	29.147%
36.0	2574.579	163.886	3020.074	1.672%	30.820%	30.820%
37.0	2577.574	168.034	3188.108	1.715%	32.534%	32.534%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	2578.805	172.113	3360.221	1.756%	34.291%	34.291%
39.0	2579.313	176.061	3536.282	1.797%	36.087%	36.087%
40.0	2577.612	179.855	3716.137	1.835%	37.923%	37.923%
41.0	2573.005	183.411	3899.548	1.872%	39.795%	39.795%
42.0	2567.040	186.747	4086.295	1.906%	41.700%	41.700%
43.0	2556.100	189.776	4276.071	1.937%	43.637%	43.637%
44.0	2547.368	192.619	4468.690	1.966%	45.603%	45.603%
45.0	2536.873	195.393	4664.083	1.994%	47.597%	47.597%
46.0	2529.182	198.122	4862.206	2.022%	49.618%	49.618%
47.0	2519.396	200.795	5063.001	2.049%	51.667%	51.667%
48.0	2509.777	203.306	5266.307	2.075%	53.742%	53.742%
49.0	2496.006	205.565	5471.872	2.098%	55.840%	55.840%
50.0	2482.528	207.572	5679.444	2.118%	57.958%	57.958%
51.0	2462.767	209.228	5888.672	2.135%	60.093%	60.093%
52.0	2446.408	210.656	6099.328	2.150%	62.243%	62.243%
53.0	2414.781	211.461	6310.790	2.158%	64.401%	64.401%
54.0	2380.489	211.356	6522.145	2.157%	66.558%	66.558%
55.0	2345.321	210.952	6733.097	2.153%	68.711%	68.711%
56.0	2307.551	210.250	6943.348	2.146%	70.856%	70.856%
57.0	2261.418	208.904	7152.251	2.132%	72.988%	72.988%
58.0	2206.223	206.600	7358.851	2.108%	75.096%	75.096%
59.0	2144.404	203.395	7562.246	2.076%	77.172%	77.172%
60.0	2073.801	199.283	7761.528	2.034%	79.206%	79.206%
61.0	1988.413	193.857	7955.385	1.978%	81.184%	81.184%
62.0	1898.850	187.311	8142.697	1.911%	83.095%	83.095%
63.0	1791.519	179.482	8322.179	1.832%	84.927%	84.927%
64.0	1679.378	170.316	8492.494	1.738%	86.665%	86.665%
65.0	1562.046	160.415	8652.909	1.637%	88.302%	88.302%
66.0	1425.118	149.040	8801.949	1.521%	89.823%	89.823%
67.0	1302.367	137.146	8939.095	1.400%	91.223%	91.223%
68.0	1177.268	125.610	9064.705	1.282%	92.504%	92.504%
69.0	1039.781	113.103	9177.809	1.154%	93.659%	93.659%
70.0	912.614	100.271	9278.080	1.023%	94.682%	94.682%
71.0	805.321	88.792	9366.872	.906%	95.588%	95.588%
72.0	692.075	77.860	9444.732	.795%	96.383%	96.383%
73.0	582.980	66.676	9511.408	.680%	97.063%	97.063%
74.0	468.300	55.268	9566.677	.564%	97.627%	97.627%
75.0	363.012	43.923	9610.601	.448%	98.075%	98.075%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	260.834	33.116	9643.717	.338%	98.413%	98.413%
77.0	186.043	23.825	9667.542	.243%	98.656%	98.656%
78.0	135.608	17.218	9684.760	.176%	98.832%	98.832%
79.0	109.336	13.161	9697.921	.134%	98.966%	98.966%
80.0	92.584	10.886	9708.807	.111%	99.077%	99.077%
81.0	82.481	9.467	9718.273	.097%	99.174%	99.174%
82.0	78.611	8.736	9727.009	.089%	99.263%	99.263%
83.0	70.640	8.113	9735.122	.083%	99.346%	99.346%
84.0	61.731	7.211	9742.333	.074%	99.420%	99.420%
85.0	52.847	6.253	9748.587	.064%	99.483%	99.483%
86.0	44.471	5.320	9753.906	.054%	99.538%	99.538%
87.0	37.186	4.469	9758.375	.046%	99.583%	99.583%
88.0	30.079	3.685	9762.060	.038%	99.621%	99.621%
89.0	23.555	2.940	9764.999	.030%	99.651%	99.651%
90.0	18.783	2.321	9767.320	.024%	99.675%	99.675%
91.0	15.534	1.882	9769.202	.019%	99.694%	99.694%
92.0	13.047	1.567	9770.769	.016%	99.710%	99.710%
93.0	11.219	1.329	9772.098	.014%	99.723%	99.723%
94.0	9.975	1.160	9773.258	.012%	99.735%	99.735%
95.0	8.706	1.021	9774.279	.010%	99.746%	99.746%
96.0	7.666	.894	9775.173	.009%	99.755%	99.755%
97.0	6.726	.784	9775.957	.008%	99.763%	99.763%
98.0	6.295	.708	9776.665	.007%	99.770%	99.770%
99.0	5.737	.652	9777.317	.007%	99.777%	99.777%
100.0	5.457	.605	9777.923	.006%	99.783%	99.783%
101.0	5.102	.569	9778.492	.006%	99.789%	99.789%
102.0	4.823	.533	9779.025	.005%	99.794%	99.794%
103.0	4.556	.502	9779.527	.005%	99.799%	99.799%
104.0	4.366	.476	9780.003	.005%	99.804%	99.804%
105.0	4.226	.456	9780.459	.005%	99.809%	99.809%
106.0	4.125	.441	9780.900	.005%	99.813%	99.813%
107.0	3.985	.426	9781.327	.004%	99.817%	99.817%
108.0	3.795	.407	9781.734	.004%	99.822%	99.822%
109.0	3.655	.387	9782.122	.004%	99.826%	99.826%
110.0	3.503	.370	9782.492	.004%	99.829%	99.829%
111.0	3.465	.358	9782.850	.004%	99.833%	99.833%
112.0	3.376	.349	9783.198	.004%	99.837%	99.837%
113.0	3.414	.344	9783.542	.004%	99.840%	99.840%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	3.312	.338	9783.880	.003%	99.844%	99.844%
115.0	3.211	.325	9784.205	.003%	99.847%	99.847%
116.0	3.262	.320	9784.525	.003%	99.850%	99.850%
117.0	3.236	.319	9784.845	.003%	99.853%	99.853%
118.0	3.274	.317	9785.161	.003%	99.857%	99.857%
119.0	3.338	.319	9785.479	.003%	99.860%	99.860%
120.0	3.452	.324	9785.804	.003%	99.863%	99.863%
121.0	3.566	.332	9786.136	.003%	99.867%	99.867%
122.0	3.592	.335	9786.471	.003%	99.870%	99.870%
123.0	3.706	.337	9786.809	.003%	99.873%	99.873%
124.0	3.681	.338	9787.146	.003%	99.877%	99.877%
125.0	3.871	.341	9787.487	.003%	99.880%	99.880%
126.0	3.947	.349	9787.836	.004%	99.884%	99.884%
127.0	3.960	.348	9788.185	.004%	99.887%	99.887%
128.0	4.036	.348	9788.532	.004%	99.891%	99.891%
129.0	4.150	.351	9788.884	.004%	99.895%	99.895%
130.0	4.214	.354	9789.237	.004%	99.898%	99.898%
131.0	4.302	.355	9789.593	.004%	99.902%	99.902%
132.0	4.252	.351	9789.944	.004%	99.905%	99.905%
133.0	4.366	.348	9790.293	.004%	99.909%	99.909%
134.0	4.429	.350	9790.643	.004%	99.913%	99.913%
135.0	4.404	.345	9790.988	.004%	99.916%	99.916%
136.0	4.455	.340	9791.329	.003%	99.920%	99.920%
137.0	4.455	.336	9791.665	.003%	99.923%	99.923%
138.0	4.505	.332	9791.997	.003%	99.926%	99.926%
139.0	4.480	.326	9792.323	.003%	99.930%	99.930%
140.0	4.493	.320	9792.643	.003%	99.933%	99.933%
141.0	4.505	.314	9792.956	.003%	99.936%	99.936%
142.0	4.569	.310	9793.266	.003%	99.939%	99.939%
143.0	4.531	.304	9793.569	.003%	99.942%	99.942%
144.0	4.556	.296	9793.865	.003%	99.945%	99.945%
145.0	4.544	.290	9794.155	.003%	99.948%	99.948%
146.0	4.556	.283	9794.438	.003%	99.951%	99.951%
147.0	4.544	.275	9794.713	.003%	99.954%	99.954%
148.0	4.556	.268	9794.981	.003%	99.957%	99.957%
149.0	4.569	.261	9795.243	.003%	99.959%	99.959%
150.0	4.556	.254	9795.497	.003%	99.962%	99.962%
151.0	4.569	.246	9795.743	.003%	99.965%	99.965%

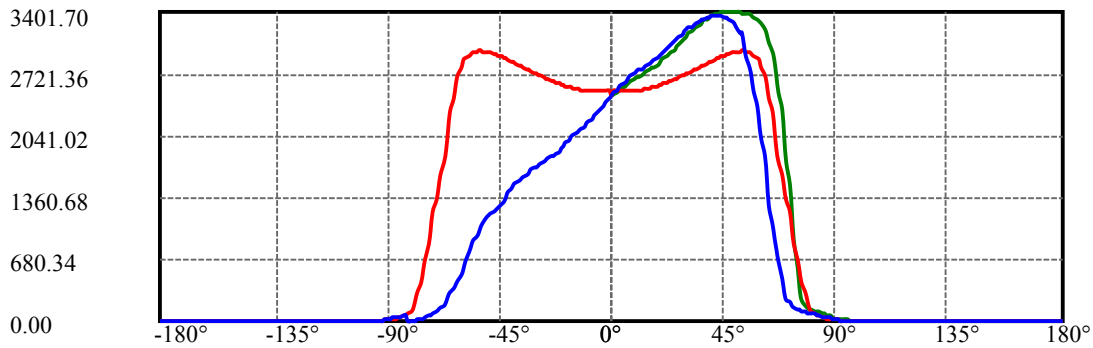
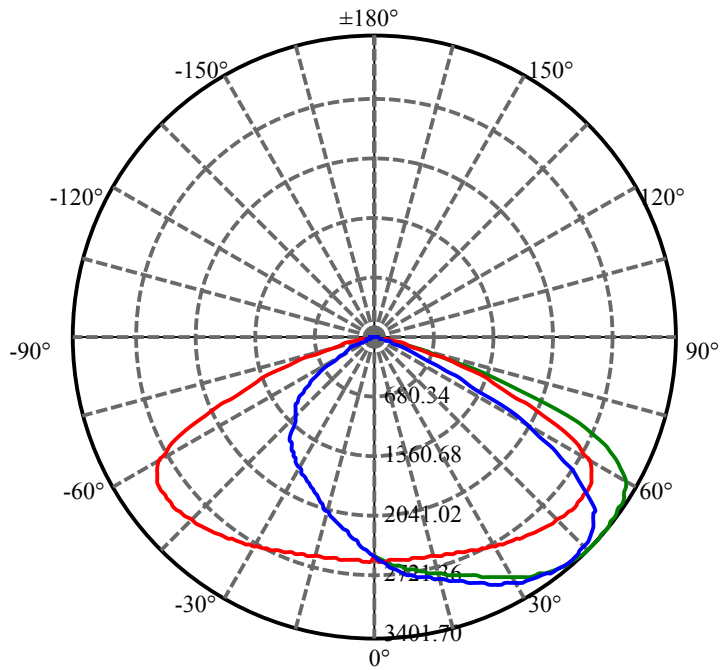
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	4.518	.238	9795.980	.002%	99.967%	99.967%
153.0	4.505	.228	9796.209	.002%	99.969%	99.969%
154.0	4.556	.222	9796.431	.002%	99.972%	99.972%
155.0	4.531	.215	9796.646	.002%	99.974%	99.974%
156.0	4.544	.206	9796.852	.002%	99.976%	99.976%
157.0	4.505	.198	9797.050	.002%	99.978%	99.978%
158.0	4.493	.189	9797.238	.002%	99.980%	99.980%
159.0	4.455	.180	9797.418	.002%	99.982%	99.982%
160.0	4.455	.171	9797.589	.002%	99.983%	99.983%
161.0	4.417	.162	9797.751	.002%	99.985%	99.985%
162.0	4.417	.154	9797.904	.002%	99.987%	99.987%
163.0	4.366	.145	9798.049	.001%	99.988%	99.988%
164.0	4.404	.137	9798.186	.001%	99.990%	99.990%
165.0	4.340	.128	9798.313	.001%	99.991%	99.991%
166.0	4.315	.119	9798.433	.001%	99.992%	99.992%
167.0	4.340	.111	9798.543	.001%	99.993%	99.993%
168.0	4.302	.103	9798.646	.001%	99.994%	99.994%
169.0	4.252	.094	9798.739	.001%	99.995%	99.995%
170.0	4.201	.084	9798.823	.001%	99.996%	99.996%
171.0	4.112	.075	9798.898	.001%	99.997%	99.997%
172.0	4.137	.067	9798.965	.001%	99.997%	99.997%
173.0	4.188	.060	9799.024	.001%	99.998%	99.998%
174.0	4.163	.052	9799.076	.001%	99.999%	99.999%
175.0	4.188	.044	9799.120	.000%	99.999%	99.999%
176.0	4.163	.036	9799.156	.000%	99.999%	99.999%
177.0	4.252	.028	9799.185	.000%	100.000%	100.000%
178.0	4.264	.020	9799.205	.000%	100.000%	100.000%
179.0	4.239	.012	9799.217	.000%	100.000%	100.000%
180.0	4.264	.004	9799.221	.000%	100.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	2101.94	21.45%
0-40	3716.14	37.92%
0-60	7761.53	79.21%
0-90	9767.32	99.67%
0-120	9785.80	99.86%
0-180	9799.22	100.00%
60-90	2205.08	22.50%
90-120	20.80	0.21%
90-130	24.24	0.25%
90-150	30.50	0.31%
90-180	34.22	0.35%
0-60.40	7839.38	80.00%

ZONAL LUMEN SUMMARY

0-10	236.32
10-20	702.40
20-30	1163.21
30-40	1614.20
40-50	1963.31
50-60	2082.08
60-70	1516.55
70-80	430.73
80-90	58.52
90-100	10.60
100-110	4.57
110-120	3.31
120-130	3.43
130-140	3.40
140-150	2.85
150-160	2.09
160-170	1.24
170-180	0.39



C45(Max): ———

C0/C180: ———

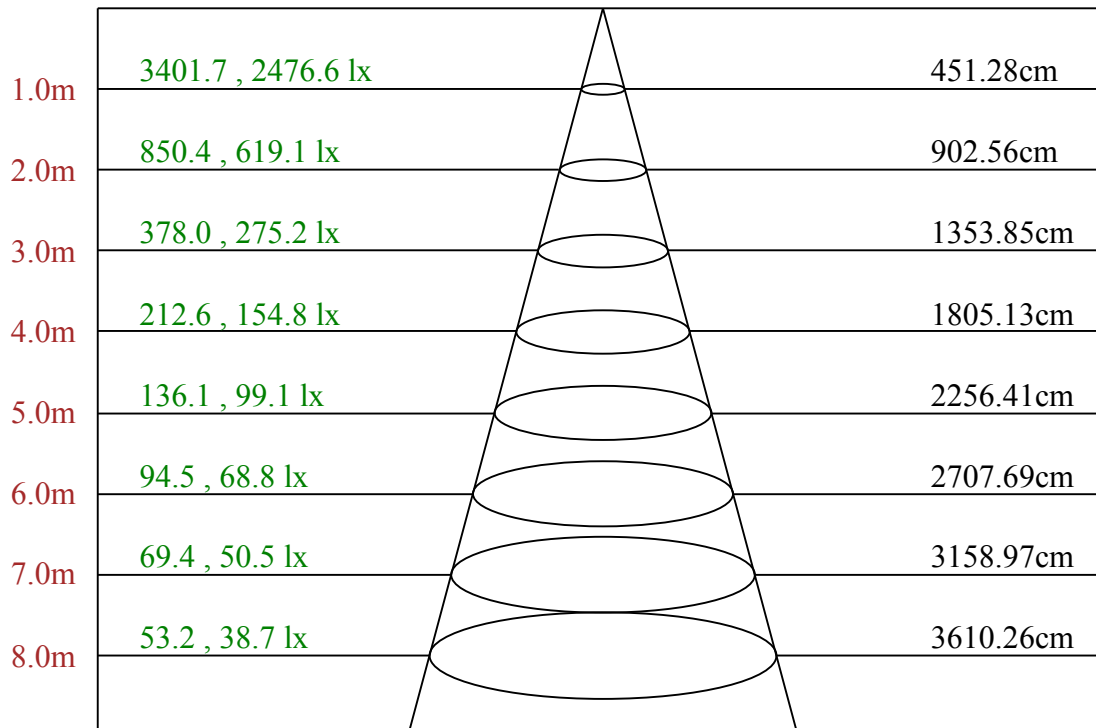
C90/C270: ———

Field angle(10%Imax):C0/180Left:77.8 Right:77.8

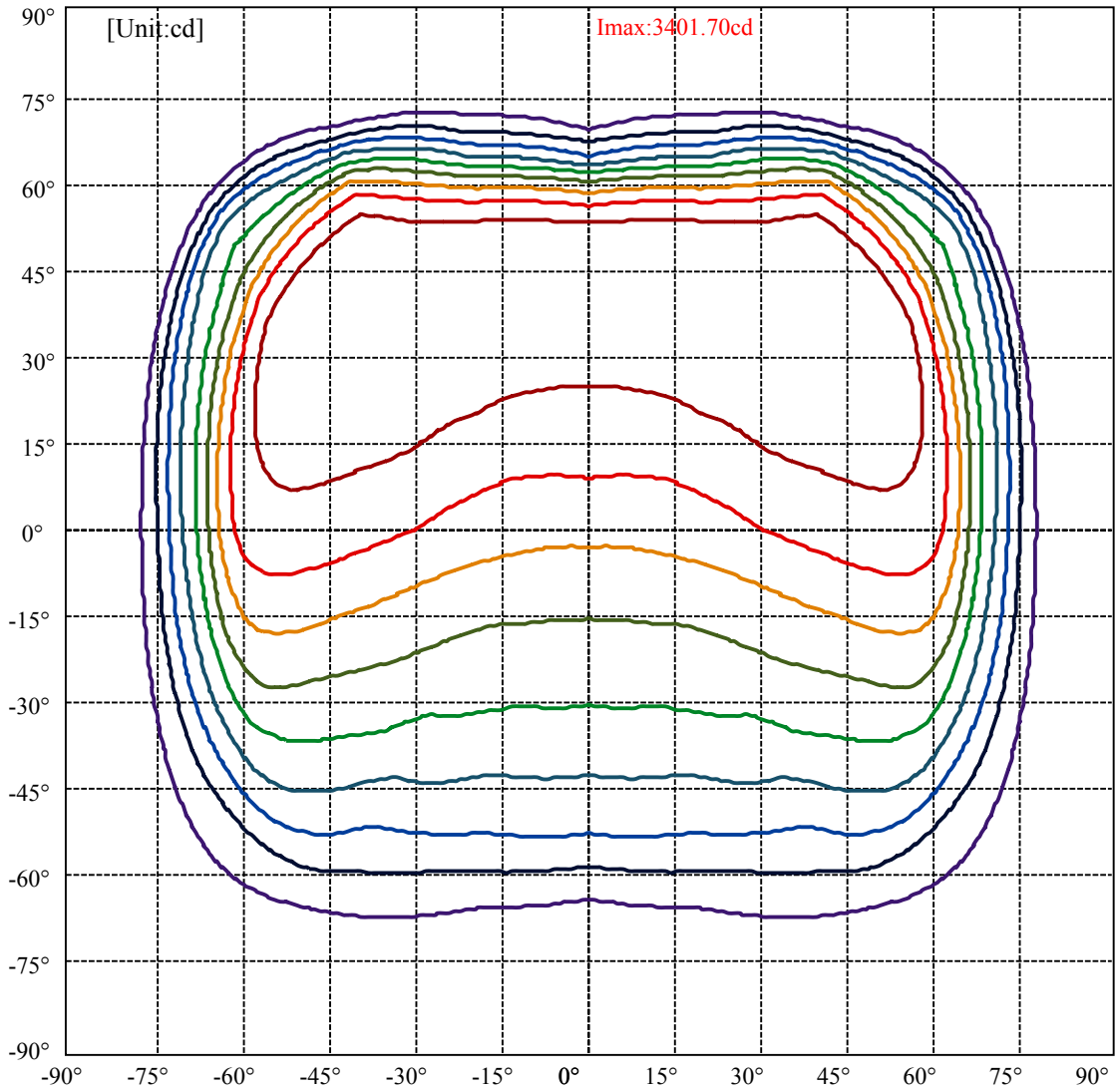
:C90/270Left:65.5 Right:69.9

Beam Angle(50%Imax):C0/180Left:70.7 Right:70.7

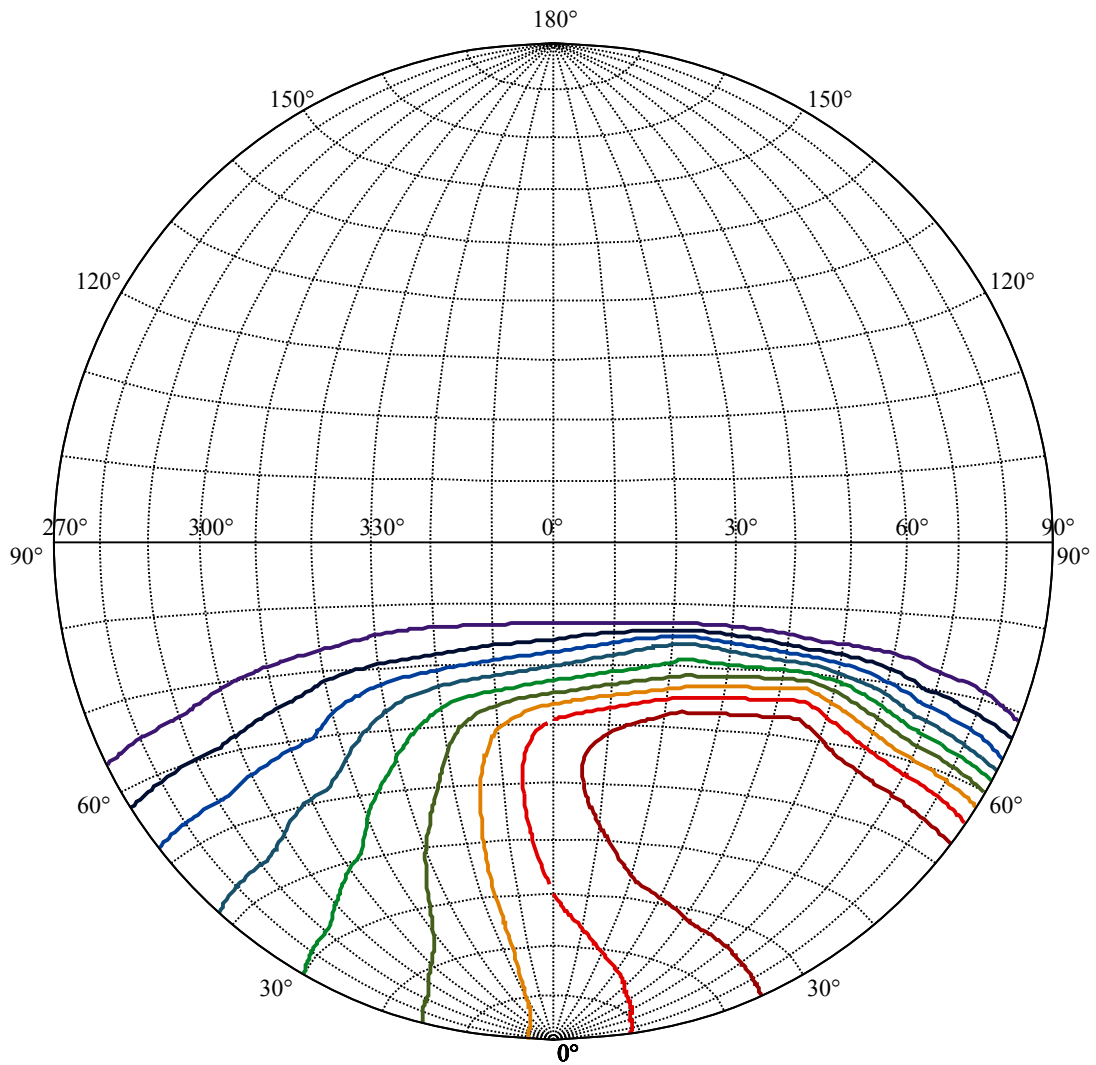
:C90/270Left:45.6 Right:63.2



Max , Ave Beam angle of C45plane127.27



(10%Imax) 340.125	
(20%Imax) 680.25	
(30%Imax) 1020.37	
(40%Imax) 1360.5	
(50%Imax) 1700.62	
(60%Imax) 2040.75	
(70%Imax) 2380.87	
(80%Imax) 2721	
(90%Imax) 3061.12	












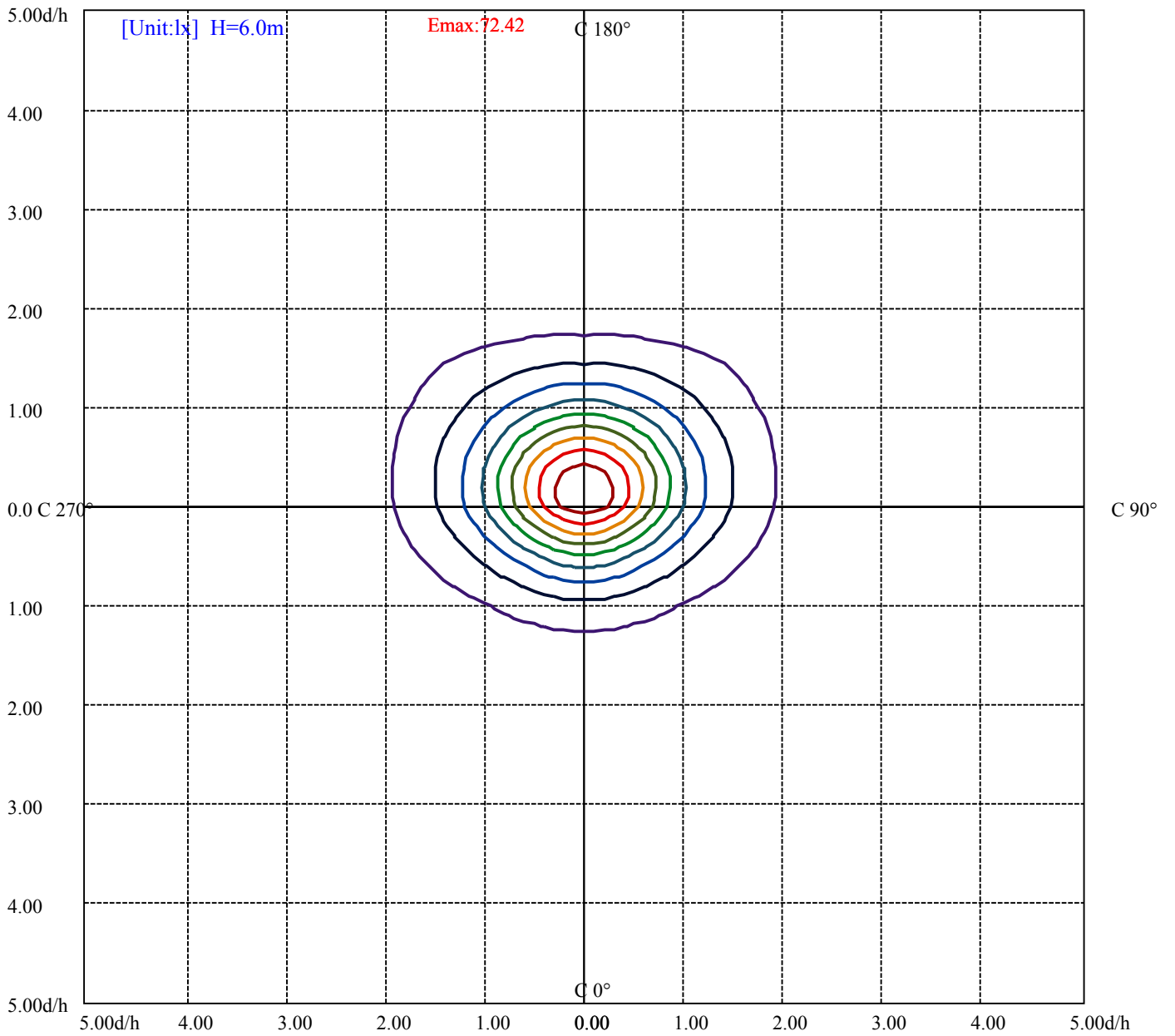
House

[Unit:cd]

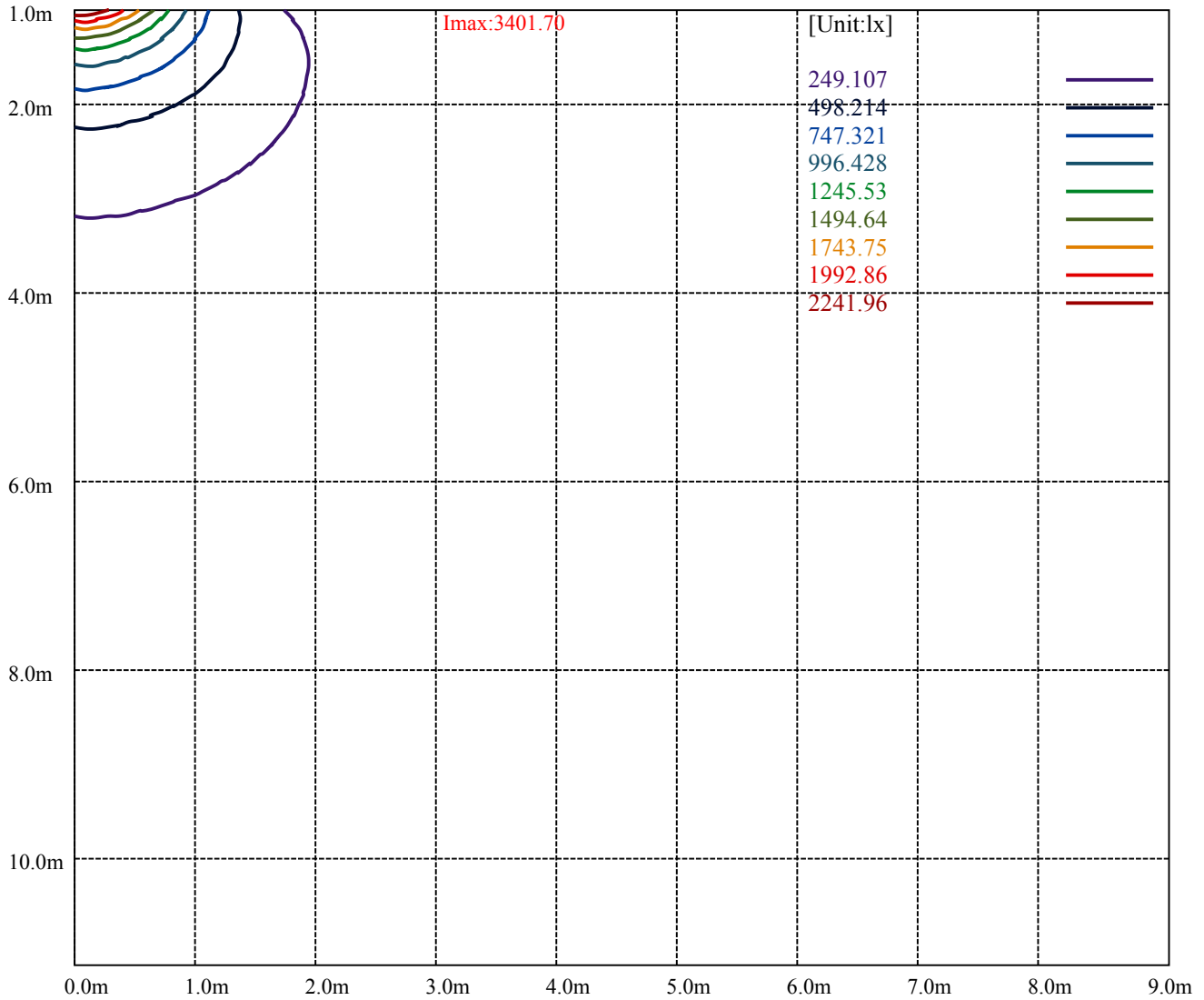
Road

Imax:3401.70

(10%Imax) 340.17	
(20%Imax) 680.341	
(30%Imax) 1020.51	
(40%Imax) 1360.68	
(50%Imax) 1700.85	
(60%Imax) 2041.02	
(70%Imax) 2381.19	
(80%Imax) 2721.36	
(90%Imax) 3061.53	



(10%Emax) 7.242083	—
(20%Emax) 14.48417	—
(30%Emax) 21.72625	—
(40%Emax) 28.96833	—
(50%Emax) 36.21056	—
(60%Emax) 43.4525	—
(70%Emax) 50.69472	—
(80%Emax) 57.93666	—
(90%Emax) 65.17889	—



Luminance Table

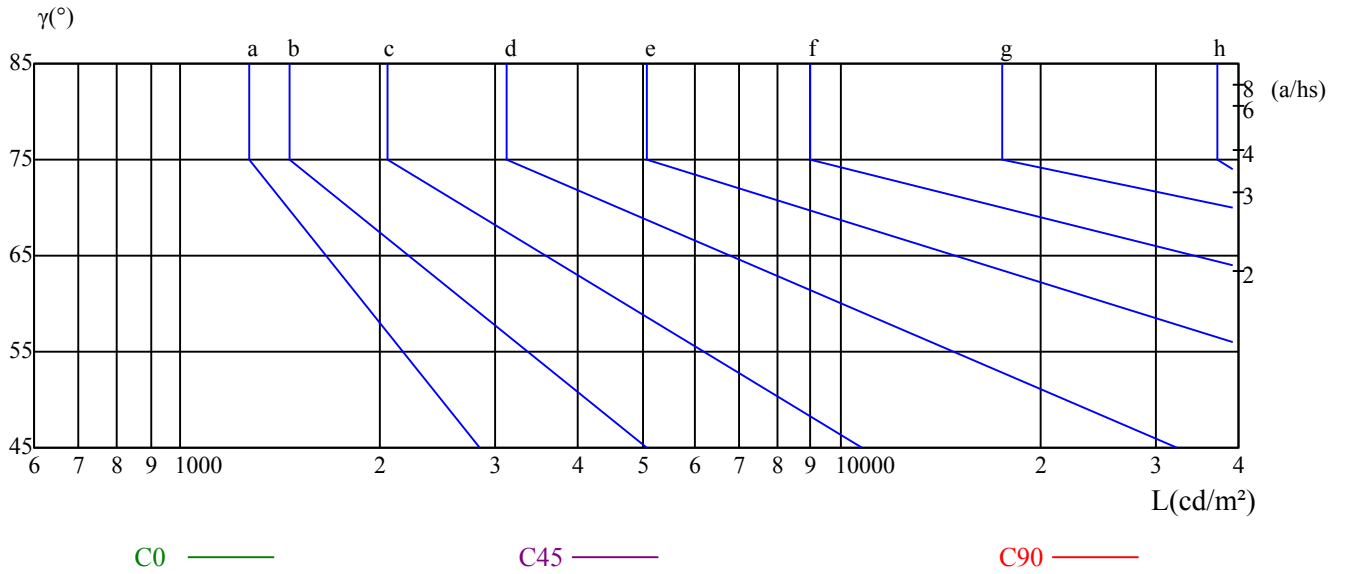
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

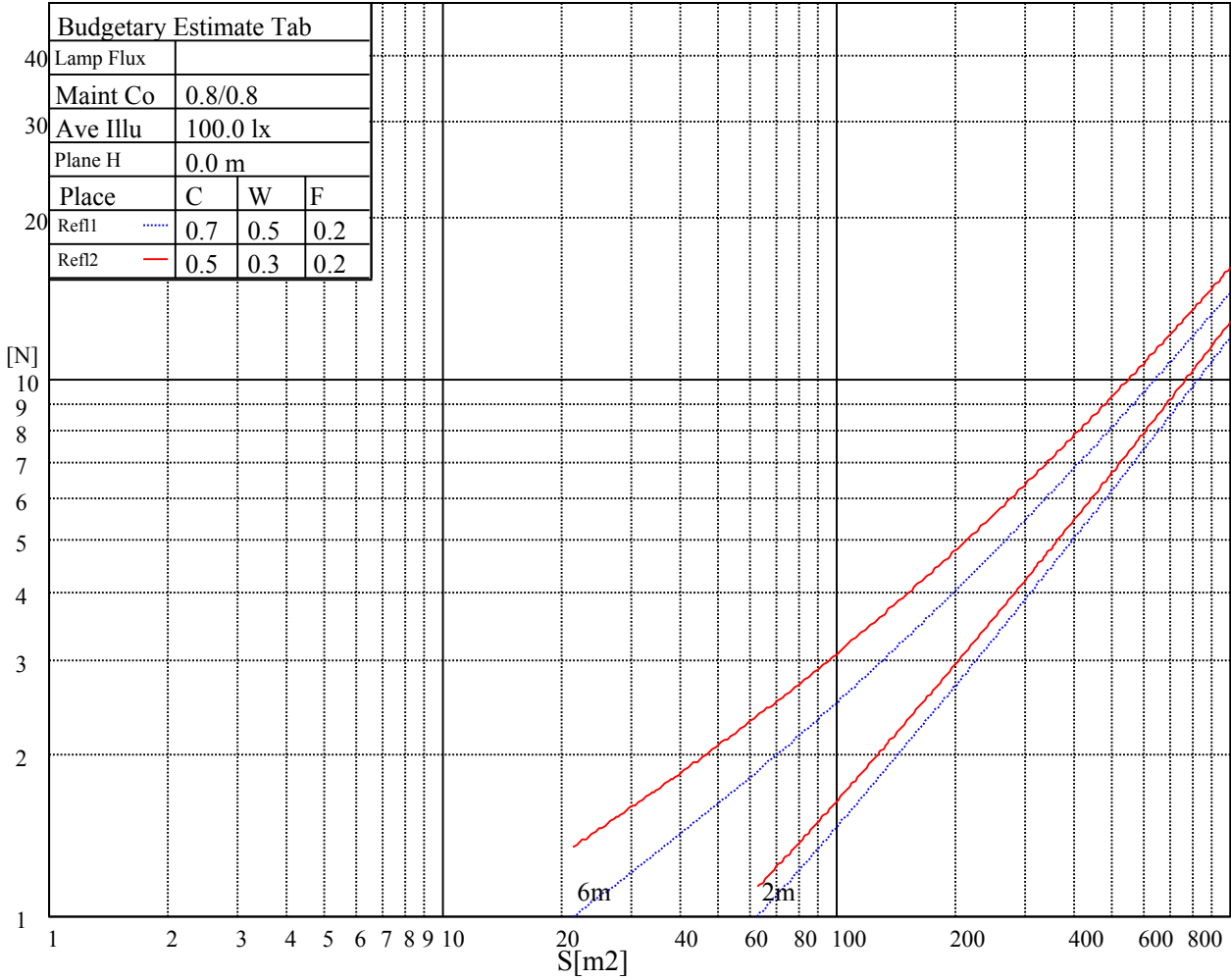
L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

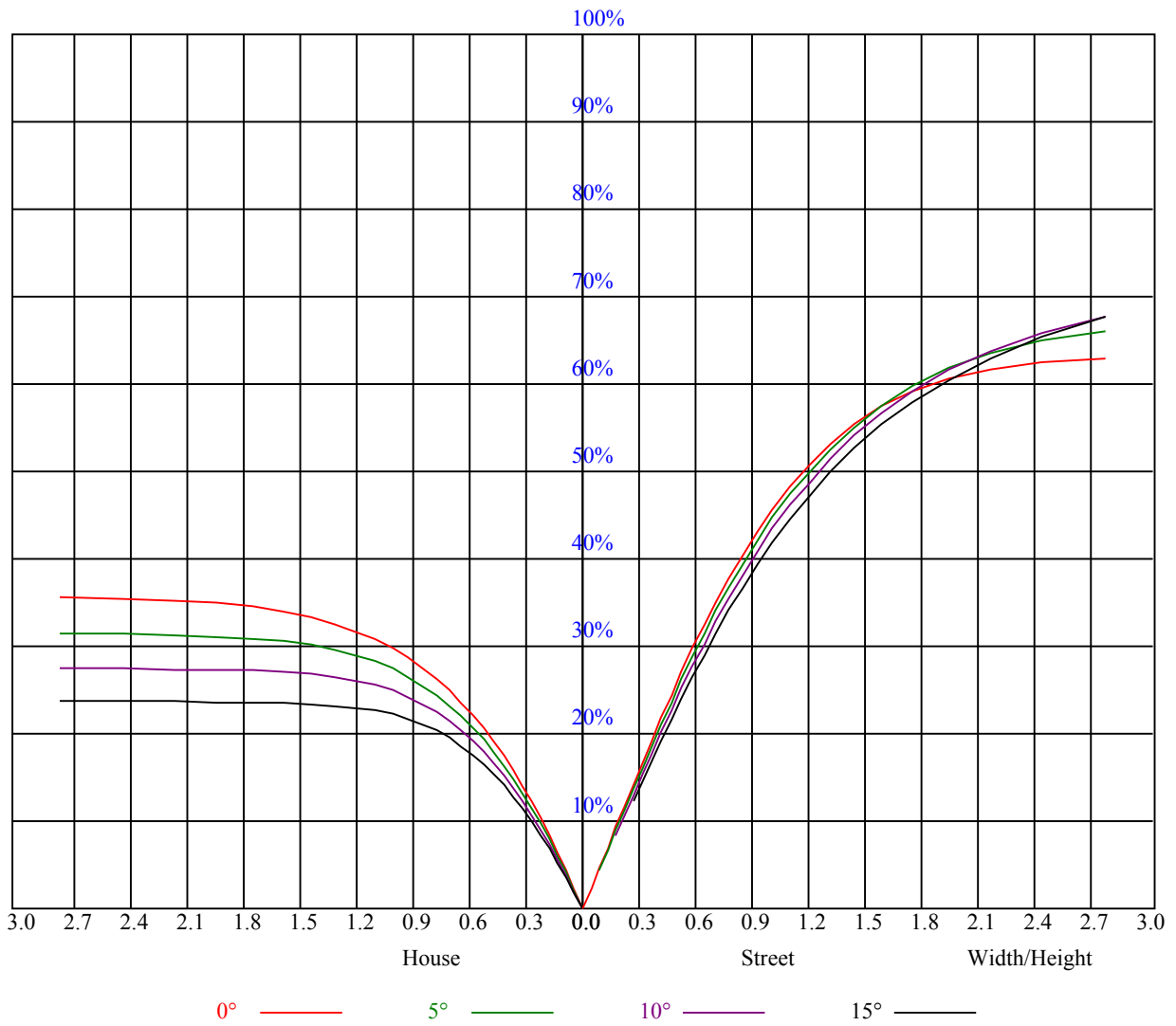
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.04	1.00	0.96	1.02	0.98	0.95	0.98	0.95	0.92	0.94	0.91	0.89	0.90	0.88	0.86	0.84
2	0.90	0.83	0.78	0.88	0.82	0.77	0.85	0.79	0.75	0.81	0.77	0.73	0.78	0.75	0.71	0.69
3	0.78	0.70	0.63	0.77	0.69	0.63	0.74	0.67	0.62	0.71	0.65	0.60	0.68	0.64	0.59	0.57
4	0.69	0.60	0.53	0.67	0.59	0.52	0.65	0.57	0.51	0.62	0.56	0.51	0.60	0.55	0.50	0.48
5	0.61	0.51	0.44	0.60	0.51	0.44	0.57	0.50	0.44	0.55	0.48	0.43	0.53	0.47	0.43	0.40
6	0.54	0.45	0.38	0.53	0.44	0.38	0.51	0.43	0.37	0.49	0.42	0.37	0.48	0.42	0.37	0.35
7	0.49	0.39	0.33	0.48	0.39	0.33	0.46	0.38	0.33	0.45	0.38	0.32	0.43	0.37	0.32	0.30
8	0.44	0.35	0.29	0.43	0.35	0.29	0.42	0.34	0.29	0.40	0.33	0.28	0.39	0.33	0.28	0.26
9	0.40	0.31	0.26	0.39	0.31	0.26	0.38	0.31	0.25	0.37	0.30	0.25	0.36	0.30	0.25	0.23
10	0.37	0.28	0.23	0.36	0.28	0.23	0.35	0.28	0.23	0.34	0.27	0.23	0.33	0.27	0.22	0.21



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	2467.41	2526.50	2527.72	2528.13	2528.74	2528.53	2528.53	2529.55	2531.99
22.5	2467.41	2481.02	2492.80	2504.98	2518.79	2533.41	2546.40	2557.57	2569.76
45.0	2467.41	2489.95	2515.94	2540.31	2560.01	2579.30	2597.98	2619.10	2636.97
67.5	2467.41	2508.03	2534.63	2560.42	2589.05	2612.60	2637.38	2658.90	2682.05
90.0	2467.41	2510.46	2540.72	2569.96	2600.62	2626.00	2649.97	2674.13	2703.98
112.5	2467.41	2508.03	2534.63	2560.42	2589.05	2612.60	2637.38	2658.90	2682.05
135.0	2467.41	2489.95	2515.94	2540.31	2560.01	2579.30	2597.98	2619.10	2636.97
157.5	2467.41	2481.02	2492.80	2504.98	2518.79	2533.41	2546.40	2557.57	2569.76
180.0	2467.41	2526.50	2527.72	2528.13	2528.74	2528.53	2528.53	2529.55	2531.99
202.5	2467.41	2454.42	2442.84	2430.66	2419.08	2405.28	2394.72	2384.97	2374.82
225.0	2467.41	2446.29	2425.99	2401.82	2379.28	2358.98	2338.27	2316.33	2297.45
247.5	2467.41	2445.69	2411.57	2382.74	2354.92	2327.91	2297.04	2270.04	2245.47
270.0	2467.41	2440.61	2408.52	2376.85	2341.31	2312.27	2284.05	2256.02	2219.88
292.5	2467.41	2445.69	2411.57	2382.74	2354.92	2327.91	2297.04	2270.04	2245.47
315.0	2467.41	2446.29	2425.99	2401.82	2379.28	2358.98	2338.27	2316.33	2297.45
337.5	2467.41	2454.42	2442.84	2430.66	2419.08	2405.28	2394.72	2384.97	2374.82
360.0	2467.41	2526.50	2527.72	2528.13	2528.74	2528.53	2528.53	2529.55	2531.99
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2534.83	2538.08	2540.72	2543.97	2548.43	2555.54	2562.04	2568.94	2575.85
22.5	2582.96	2596.97	2608.34	2619.71	2634.74	2648.14	2662.96	2678.80	2697.89
45.0	2655.65	2672.91	2689.16	2708.45	2725.71	2742.56	2760.23	2779.32	2798.20
67.5	2702.15	2723.88	2739.52	2760.84	2778.30	2796.58	2815.67	2833.53	2851.61
90.0	2724.49	2742.77	2760.43	2775.66	2790.49	2812.62	2830.29	2848.76	2866.43
112.5	2702.15	2723.88	2739.52	2760.84	2778.30	2796.58	2815.67	2833.53	2851.61
135.0	2655.65	2672.91	2689.16	2708.45	2725.71	2742.56	2760.23	2779.32	2798.20
157.5	2582.96	2596.97	2608.34	2619.71	2634.74	2648.14	2662.96	2678.80	2697.89
180.0	2534.83	2538.08	2540.72	2543.97	2548.43	2555.54	2562.04	2568.94	2575.85
202.5	2366.29	2358.77	2350.65	2342.73	2335.63	2328.72	2322.83	2316.74	2310.04
225.0	2274.10	2256.63	2239.58	2223.33	2206.27	2189.62	2173.99	2156.93	2139.47
247.5	2219.68	2196.32	2169.72	2147.18	2126.06	2104.95	2081.59	2056.62	2032.45
270.0	2193.28	2167.69	2144.34	2117.13	2094.79	2070.02	2045.04	2018.85	1982.30
292.5	2219.68	2196.32	2169.72	2147.18	2126.06	2104.95	2081.59	2056.62	2032.45
315.0	2274.10	2256.63	2239.58	2223.33	2206.27	2189.62	2173.99	2156.93	2139.47
337.5	2366.29	2358.77	2350.65	2342.73	2335.63	2328.72	2322.83	2316.74	2310.04
360.0	2534.83	2538.08	2540.72	2543.97	2548.43	2555.54	2562.04	2568.94	2575.85
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2583.56	2590.67	2601.03	2610.78	2622.55	2633.11	2644.08	2657.68	2671.08
22.5	2713.52	2730.18	2751.50	2772.21	2792.72	2812.82	2833.53	2857.90	2884.30
45.0	2817.49	2840.44	2863.79	2885.11	2907.65	2929.99	2962.28	2988.88	3014.87
67.5	2870.70	2891.20	2913.74	2940.55	2964.51	2990.91	3018.32	3050.00	3072.54
90.0	2885.52	2913.95	2933.85	2963.29	2990.91	3017.92	3043.91	3075.38	3101.17
112.5	2870.70	2891.20	2913.74	2940.55	2964.51	2990.91	3018.32	3050.00	3072.54
135.0	2817.49	2840.44	2863.79	2885.11	2907.65	2929.99	2962.28	2988.88	3014.87
157.5	2713.52	2730.18	2751.50	2772.21	2792.72	2812.82	2833.53	2857.90	2884.30
180.0	2583.56	2590.67	2601.03	2610.78	2622.55	2633.11	2644.08	2657.68	2671.08
202.5	2304.56	2298.47	2293.19	2287.91	2283.44	2278.16	2273.89	2268.82	2264.55
225.0	2124.85	2101.29	2083.42	2065.76	2049.92	2029.00	2008.29	1989.81	1971.33
247.5	2005.24	1979.45	1949.81	1924.63	1900.67	1874.27	1853.15	1829.80	1811.32
270.0	1955.29	1927.88	1901.07	1868.99	1846.24	1825.13	1809.29	1785.53	1768.27
292.5	2005.24	1979.45	1949.81	1924.63	1900.67	1874.27	1853.15	1829.80	1811.32
315.0	2124.85	2101.29	2083.42	2065.76	2049.92	2029.00	2008.29	1989.81	1971.33
337.5	2304.56	2298.47	2293.19	2287.91	2283.44	2278.16	2273.89	2268.82	2264.55
360.0	2583.56	2590.67	2601.03	2610.78	2622.55	2633.11	2644.08	2657.68	2671.08

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	2683.67	2696.47	2708.65	2722.05	2732.82	2747.03	2760.23	2776.47	2789.67
22.5	2908.06	2934.66	2960.45	2984.82	3014.87	3038.02	3064.21	3087.57	3113.76
45.0	3047.36	3077.21	3104.62	3133.46	3160.87	3188.49	3217.93	3242.10	3264.23
67.5	3100.97	3131.63	3157.42	3181.99	3206.97	3226.26	3252.05	3268.70	3284.74
90.0	3126.76	3149.50	3180.16	3202.50	3223.41	3242.30	3261.18	3275.80	3291.24
112.5	3100.97	3131.63	3157.42	3181.99	3206.97	3226.26	3252.05	3268.70	3284.74
135.0	3047.36	3077.21	3104.62	3133.46	3160.87	3188.49	3217.93	3242.10	3264.23
157.5	2908.06	2934.66	2960.45	2984.82	3014.87	3038.02	3064.21	3087.57	3113.76
180.0	2683.67	2696.47	2708.65	2722.05	2732.82	2747.03	2760.23	2776.47	2789.67
202.5	2260.29	2256.63	2253.39	2250.34	2247.29	2244.25	2242.01	2237.75	2232.67
225.0	1949.20	1932.75	1916.91	1902.49	1884.42	1867.16	1850.71	1833.65	1817.41
247.5	1793.25	1774.56	1757.71	1741.26	1720.75	1704.30	1681.16	1660.85	1635.06
270.0	1752.02	1736.79	1718.52	1700.24	1680.95	1659.63	1636.08	1611.50	1594.65
292.5	1793.25	1774.56	1757.71	1741.26	1720.75	1704.30	1681.16	1660.85	1635.06
315.0	1949.20	1932.75	1916.91	1902.49	1884.42	1867.16	1850.71	1833.65	1817.41
337.5	2260.29	2256.63	2253.39	2250.34	2247.29	2244.25	2242.01	2237.75	2232.67
360.0	2683.67	2696.47	2708.65	2722.05	2732.82	2747.03	2760.23	2776.47	2789.67
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	2802.67	2816.48	2831.71	2847.14	2861.15	2873.13	2888.56	2900.55	2912.12
22.5	3135.69	3159.25	3177.93	3197.63	3214.89	3230.93	3248.39	3263.42	3276.41
45.0	3284.54	3308.90	3327.59	3343.02	3357.44	3371.04	3381.60	3390.13	3395.81
67.5	3297.13	3309.92	3318.45	3325.56	3330.63	3332.66	3334.29	3333.88	3331.44
90.0	3306.67	3325.35	3335.71	3346.27	3353.37	3356.42	3356.01	3354.80	3349.52
112.5	3297.13	3309.92	3318.45	3325.56	3330.63	3332.66	3334.29	3333.88	3331.44
135.0	3284.54	3308.90	3327.59	3343.02	3357.44	3371.04	3381.60	3390.13	3395.81
157.5	3135.69	3159.25	3177.93	3197.63	3214.89	3230.93	3248.39	3263.42	3276.41
180.0	2802.67	2816.48	2831.71	2847.14	2861.15	2873.13	2888.56	2900.55	2912.12
202.5	2224.35	2216.43	2208.71	2200.39	2191.25	2179.27	2169.52	2156.12	2144.54
225.0	1797.92	1780.25	1763.80	1745.32	1724.00	1702.48	1680.95	1655.57	1631.20
247.5	1614.35	1594.45	1572.92	1551.19	1530.69	1506.72	1474.44	1413.72	1371.89
270.0	1573.33	1544.49	1522.97	1502.26	1468.35	1419.20	1361.13	1316.05	1281.53
292.5	1614.35	1594.45	1572.92	1551.19	1530.69	1506.72	1474.44	1413.72	1371.89
315.0	1797.92	1780.25	1763.80	1745.32	1724.00	1702.48	1680.95	1655.57	1631.20
337.5	2224.35	2216.43	2208.71	2200.39	2191.25	2179.27	2169.52	2156.12	2144.54
360.0	2802.67	2816.48	2831.71	2847.14	2861.15	2873.13	2888.56	2900.55	2912.12
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	2921.05	2934.46	2943.80	2950.30	2956.59	2963.49	2968.17	2970.20	2969.18
22.5	3287.99	3300.78	3311.75	3321.09	3328.40	3334.08	3338.35	3340.58	3340.18
45.0	3398.45	3400.28	3401.70	3400.49	3398.45	3395.41	3391.96	3387.69	3383.63
67.5	3329.01	3323.73	3317.43	3309.92	3302.20	3291.64	3272.15	3257.94	3207.58
90.0	3343.63	3334.08	3320.88	3298.95	3265.04	3228.29	3179.76	3170.82	3037.41
112.5	3329.01	3323.73	3317.43	3309.92	3302.20	3291.64	3272.15	3257.94	3207.58
135.0	3398.45	3400.28	3401.70	3400.49	3398.45	3395.41	3391.96	3387.69	3383.63
157.5	3287.99	3300.78	3311.75	3321.09	3328.40	3334.08	3338.35	3340.58	3340.18
180.0	2921.05	2934.46	2943.80	2950.30	2956.59	2963.49	2968.17	2970.20	2969.18
202.5	2131.55	2119.16	2105.56	2092.36	2077.33	2059.87	2044.43	2027.17	2000.37
225.0	1610.29	1589.98	1563.38	1539.82	1498.20	1463.68	1410.07	1368.03	1332.70
247.5	1321.13	1286.40	1249.24	1223.05	1192.79	1172.28	1150.35	1120.50	1075.42
270.0	1247.41	1223.25	1203.76	1183.45	1163.14	1131.26	1073.59	1027.50	980.99
292.5	1321.13	1286.40	1249.24	1223.05	1192.79	1172.28	1150.35	1120.50	1075.42
315.0	1610.29	1589.98	1563.38	1539.82	1498.20	1463.68	1410.07	1368.03	1332.70
337.5	2131.55	2119.16	2105.56	2092.36	2077.33	2059.87	2044.43	2027.17	2000.37
360.0	2921.05	2934.46	2943.80	2950.30	2956.59	2963.49	2968.17	2970.20	2969.18

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	2965.32	2957.81	2944.61	2925.93	2899.73	2862.98	2793.73	2708.45	2601.64
22.5	3339.36	3336.52	3326.98	3314.39	3299.56	3277.63	3243.72	3185.24	3121.48
45.0	3376.52	3370.03	3360.68	3347.69	3326.57	3298.95	3267.48	3221.99	3153.16
67.5	3153.97	3088.38	3000.86	2904.61	2781.55	2651.18	2497.67	2328.31	2161.40
90.0	2925.52	2794.14	2685.30	2544.58	2368.93	2181.91	2008.09	1807.66	1568.25
112.5	3153.97	3088.38	3000.86	2904.61	2781.55	2651.18	2497.67	2328.31	2161.40
135.0	3376.52	3370.03	3360.68	3347.69	3326.57	3298.95	3267.48	3221.99	3153.16
157.5	3339.36	3336.52	3326.98	3314.39	3299.56	3277.63	3243.72	3185.24	3121.48
180.0	2965.32	2957.81	2944.61	2925.93	2899.73	2862.98	2793.73	2708.45	2601.64
202.5	1977.63	1953.46	1926.45	1892.54	1860.87	1823.10	1783.70	1730.09	1675.27
225.0	1280.92	1235.43	1197.26	1156.24	1117.25	1066.89	1022.01	976.73	927.79
247.5	1025.87	985.06	949.93	897.94	847.18	793.97	723.31	625.84	566.34
270.0	923.12	877.64	822.00	759.45	665.23	579.13	509.48	453.64	399.22
292.5	1025.87	985.06	949.93	897.94	847.18	793.97	723.31	625.84	566.34
315.0	1280.92	1235.43	1197.26	1156.24	1117.25	1066.89	1022.01	976.73	927.79
337.5	1977.63	1953.46	1926.45	1892.54	1860.87	1823.10	1783.70	1730.09	1675.27
360.0	2965.32	2957.81	2944.61	2925.93	2899.73	2862.98	2793.73	2708.45	2601.64
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2457.26	2293.79	2099.06	1889.90	1751.01	1595.26	1450.27	1334.73	1199.69
22.5	3013.65	2885.52	2726.32	2513.71	2317.15	2127.08	1963.41	1804.01	1725.63
45.0	3066.24	2967.15	2857.70	2689.77	2519.40	2321.41	2031.44	1755.07	1501.65
67.5	1967.88	1761.77	1566.63	1350.57	1164.97	1015.31	845.35	664.01	518.82
90.0	1275.03	1060.19	905.05	789.10	646.75	470.50	320.03	242.46	204.69
112.5	1967.88	1761.77	1566.63	1350.57	1164.97	1015.31	845.35	664.01	518.82
135.0	3066.24	2967.15	2857.70	2689.77	2519.40	2321.41	2031.44	1755.07	1501.65
157.5	3013.65	2885.52	2726.32	2513.71	2317.15	2127.08	1963.41	1804.01	1725.63
180.0	2457.26	2293.79	2099.06	1889.90	1751.01	1595.26	1450.27	1334.73	1199.69
202.5	1618.21	1555.05	1474.44	1372.70	1272.19	1161.52	1016.33	882.51	755.60
225.0	880.89	823.82	770.42	713.36	654.67	597.82	548.67	490.40	426.43
247.5	509.89	461.56	411.61	368.56	329.98	290.38	239.82	199.41	169.76
270.0	361.25	312.51	275.35	215.65	172.40	148.24	125.90	99.09	85.29
292.5	509.89	461.56	411.61	368.56	329.98	290.38	239.82	199.41	169.76
315.0	880.89	823.82	770.42	713.36	654.67	597.82	548.67	490.40	426.43
337.5	1618.21	1555.05	1474.44	1372.70	1272.19	1161.52	1016.33	882.51	755.60
360.0	2457.26	2293.79	2099.06	1889.90	1751.01	1595.26	1450.27	1334.73	1199.69
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1023.64	836.82	678.03	555.38	428.87	323.88	225.40	155.95	108.44
22.5	1652.93	1541.85	1317.67	1012.47	622.39	333.43	196.36	139.50	110.26
45.0	1206.60	892.46	581.57	355.77	226.01	171.79	143.16	129.96	120.01
67.5	395.16	311.50	237.38	180.32	134.22	112.09	97.47	87.32	77.57
90.0	171.18	149.25	135.04	118.79	105.39	96.05	90.57	85.29	81.02
112.5	395.16	311.50	237.38	180.32	134.22	112.09	97.47	87.32	77.57
135.0	1206.60	892.46	581.57	355.77	226.01	171.79	143.16	129.96	120.01
157.5	1652.93	1541.85	1317.67	1012.47	622.39	333.43	196.36	139.50	110.26
180.0	1023.64	836.82	678.03	555.38	428.87	323.88	225.40	155.95	108.44
202.5	627.26	546.04	484.71	426.23	354.75	276.37	189.05	154.53	136.46
225.0	365.92	310.48	255.45	214.03	183.37	151.89	126.30	110.06	97.88
247.5	143.16	119.60	101.13	86.91	75.13	64.78	58.48	53.20	48.74
270.0	72.70	60.92	45.89	27.21	18.48	12.18	6.70	3.05	1.62
292.5	143.16	119.60	101.13	86.91	75.13	64.78	58.48	53.20	48.74
315.0	365.92	310.48	255.45	214.03	183.37	151.89	126.30	110.06	97.88
337.5	627.26	546.04	484.71	426.23	354.75	276.37	189.05	154.53	136.46
360.0	1023.64	836.82	678.03	555.38	428.87	323.88	225.40	155.95	108.44

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	78.59	66.00	55.84	46.91	39.19	31.68	24.98	19.09	13.40
22.5	97.47	85.90	79.60	74.12	69.04	63.15	55.64	48.94	41.63
45.0	113.31	109.04	104.17	93.00	81.23	69.04	57.06	43.46	30.05
67.5	72.70	69.04	65.79	61.53	53.81	45.08	36.75	30.05	24.16
90.0	76.15	67.82	59.50	52.19	45.49	38.99	33.51	25.99	19.29
112.5	72.70	69.04	65.79	61.53	53.81	45.08	36.75	30.05	24.16
135.0	113.31	109.04	104.17	93.00	81.23	69.04	57.06	43.46	30.05
157.5	97.47	85.90	79.60	74.12	69.04	63.15	55.64	48.94	41.63
180.0	78.59	66.00	55.84	46.91	39.19	31.68	24.98	19.09	13.40
202.5	130.57	118.18	102.14	81.43	62.14	47.72	39.39	31.88	26.20
225.0	85.29	74.52	64.57	56.25	48.74	41.22	34.11	27.82	23.35
247.5	43.66	38.38	33.51	28.43	23.15	18.88	16.04	13.40	10.36
270.0	0.41	67.82	59.50	52.19	45.49	38.99	33.51	25.99	19.29
292.5	43.66	38.38	33.51	28.43	23.15	18.88	16.04	13.40	10.36
315.0	85.29	74.52	64.57	56.25	48.74	41.22	34.11	27.82	23.35
337.5	130.57	118.18	102.14	81.43	62.14	47.72	39.39	31.88	26.20
360.0	78.59	66.00	55.84	46.91	39.19	31.68	24.98	19.09	13.40
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	10.76	9.34	8.73	7.92	7.51	7.31	7.11	6.90	6.90
22.5	37.36	33.51	30.05	26.80	23.76	20.51	17.67	15.43	14.82
45.0	25.38	18.48	15.43	13.20	11.37	9.95	9.14	8.12	7.31
67.5	17.26	15.03	14.01	12.79	11.57	9.95	8.33	6.90	6.09
90.0	11.37	7.92	6.50	5.48	5.08	4.47	3.45	3.05	2.44
112.5	17.26	15.03	14.01	12.79	11.57	9.95	8.33	6.90	6.09
135.0	25.38	18.48	15.43	13.20	11.37	9.95	9.14	8.12	7.31
157.5	37.36	33.51	30.05	26.80	23.76	20.51	17.67	15.43	14.82
180.0	10.76	9.34	8.73	7.92	7.51	7.31	7.11	6.90	6.90
202.5	20.92	17.26	13.81	11.37	9.95	8.53	7.72	6.90	6.70
225.0	19.90	17.06	11.78	9.54	8.33	7.31	6.50	5.69	5.28
247.5	7.31	5.69	4.06	2.64	2.23	1.62	1.42	0.81	0.81
270.0	11.37	7.92	6.50	5.48	5.08	4.47	3.45	3.05	2.44
292.5	7.31	5.69	4.06	2.64	2.23	1.62	1.42	0.81	0.81
315.0	19.90	17.06	11.78	9.54	8.33	7.31	6.50	5.69	5.28
337.5	20.92	17.26	13.81	11.37	9.95	8.53	7.72	6.90	6.70
360.0	10.76	9.34	8.73	7.92	7.51	7.31	7.11	6.90	6.90
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	6.90	7.11	7.31	7.51	7.72	7.92	8.12	8.12	7.92
22.5	14.42	13.61	12.79	11.57	10.56	9.54	8.53	7.72	7.11
45.0	6.70	6.09	5.69	5.08	4.67	4.06	3.66	3.25	2.64
67.5	5.08	4.47	3.45	2.84	2.64	2.44	2.23	2.03	2.03
90.0	2.23	2.44	2.44	2.64	2.84	3.45	4.06	4.87	5.08
112.5	5.08	4.47	3.45	2.84	2.64	2.44	2.23	2.03	2.03
135.0	6.70	6.09	5.69	5.08	4.67	4.06	3.66	3.25	2.64
157.5	14.42	13.61	12.79	11.57	10.56	9.54	8.53	7.72	7.11
180.0	6.90	7.11	7.31	7.51	7.72	7.92	8.12	8.12	7.92
202.5	5.89	5.69	5.48	5.28	5.08	4.67	4.47	4.47	4.26
225.0	4.87	4.47	3.86	3.45	3.05	2.84	2.84	2.84	2.84
247.5	0.81	0.81	0.81	1.22	1.02	1.42	1.42	1.62	1.83
270.0	0.20	0.41	0.41	0.61	0.61	0.61	1.02	1.02	1.42
292.5	0.81	0.81	0.81	1.22	1.02	1.42	1.42	1.62	1.83
315.0	4.87	4.47	3.86	3.45	3.05	2.84	2.84	2.84	2.84
337.5	5.89	5.69	5.48	5.28	5.08	4.67	4.47	4.47	4.26
360.0	6.90	7.11	7.31	7.51	7.72	7.92	8.12	8.12	7.92

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	7.51	7.31	7.11	7.31	6.90	6.70	5.89	5.28	5.08
22.5	5.89	4.67	3.86	3.25	3.05	3.05	3.05	3.05	3.05
45.0	2.64	2.44	2.23	2.23	2.03	2.03	2.03	1.83	1.83
67.5	2.03	2.03	2.03	2.03	2.23	2.23	2.23	1.83	1.83
90.0	5.28	5.28	5.08	4.47	3.45	2.64	2.03	1.83	1.83
112.5	2.03	2.03	2.03	2.03	2.23	2.23	2.23	1.83	1.83
135.0	2.64	2.44	2.23	2.23	2.03	2.03	2.03	1.83	1.83
157.5	5.89	4.67	3.86	3.25	3.05	3.05	3.05	3.05	3.05
180.0	7.51	7.31	7.11	7.31	6.90	6.70	5.89	5.28	5.08
202.5	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.26	4.26
225.0	2.84	3.05	3.05	3.25	3.25	3.66	3.66	3.86	4.06
247.5	2.03	2.23	2.23	2.44	2.64	3.05	3.25	3.25	3.45
270.0	1.42	1.62	1.83	1.83	2.23	2.44	2.64	2.84	3.25
292.5	2.03	2.23	2.23	2.44	2.64	3.05	3.25	3.25	3.45
315.0	2.84	3.05	3.05	3.25	3.25	3.66	3.66	3.86	4.06
337.5	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.26	4.26
360.0	7.51	7.31	7.11	7.31	6.90	6.70	5.89	5.28	5.08
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	4.67	4.47	4.47	4.26	4.47	4.26	4.26	4.26	4.47
22.5	3.05	3.05	3.05	3.25	3.25	3.25	3.45	3.25	3.45
45.0	1.62	1.83	1.83	1.83	2.03	2.03	2.03	2.23	2.44
67.5	1.62	1.42	1.42	1.42	1.62	1.62	1.83	1.62	1.83
90.0	1.83	1.83	1.83	1.83	1.83	1.62	1.62	1.42	1.62
112.5	1.62	1.42	1.42	1.42	1.62	1.62	1.83	1.62	1.83
135.0	1.62	1.83	1.83	1.83	2.03	2.03	2.03	2.23	2.44
157.5	3.05	3.05	3.05	3.25	3.25	3.25	3.45	3.25	3.45
180.0	4.67	4.47	4.47	4.26	4.47	4.26	4.26	4.26	4.47
202.5	4.47	4.47	4.67	4.87	4.87	4.87	5.08	5.08	5.08
225.0	4.26	4.47	4.47	4.87	4.87	5.08	5.08	5.08	5.28
247.5	3.66	3.86	4.06	4.26	4.47	4.67	4.87	4.87	5.08
270.0	3.25	3.45	3.66	3.86	4.06	4.26	4.47	4.67	5.08
292.5	3.66	3.86	4.06	4.26	4.47	4.67	4.87	4.87	5.08
315.0	4.26	4.47	4.47	4.87	4.87	5.08	5.08	5.08	5.28
337.5	4.47	4.47	4.67	4.87	4.87	4.87	5.08	5.08	5.08
360.0	4.67	4.47	4.47	4.26	4.47	4.26	4.26	4.26	4.47
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	4.47	4.47	4.67	4.67	4.67	4.87	4.87	4.87	4.87
22.5	3.45	3.45	3.45	3.66	3.66	3.86	3.86	3.86	3.86
45.0	2.44	2.44	2.44	2.64	2.64	2.84	2.64	2.84	3.05
67.5	1.83	1.83	2.03	2.23	2.23	2.23	2.23	2.44	2.44
90.0	1.62	1.62	1.62	2.03	1.83	2.03	2.03	2.03	2.23
112.5	1.83	1.83	2.03	2.23	2.23	2.23	2.23	2.44	2.44
135.0	2.44	2.44	2.44	2.64	2.64	2.84	2.64	2.84	3.05
157.5	3.45	3.45	3.45	3.66	3.66	3.86	3.86	3.86	3.86
180.0	4.47	4.47	4.67	4.67	4.67	4.87	4.87	4.87	4.87
202.5	5.28	5.28	5.28	5.28	5.48	5.48	5.28	5.48	5.48
225.0	5.48	5.48	5.48	5.48	5.69	5.69	5.69	5.89	5.89
247.5	5.28	5.28	5.48	5.48	5.69	5.69	5.69	5.69	5.89
270.0	5.08	5.28	5.28	5.48	5.48	5.48	5.48	5.69	5.69
292.5	5.28	5.28	5.48	5.48	5.69	5.69	5.69	5.69	5.89
315.0	5.48	5.48	5.48	5.48	5.69	5.69	5.69	5.89	5.89
337.5	5.28	5.28	5.28	5.28	5.48	5.48	5.28	5.48	5.48
360.0	4.47	4.47	4.67	4.67	4.67	4.87	4.87	4.87	4.87

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	4.87	4.87	4.87	4.87	4.87	4.87	4.67	4.87	4.67
22.5	3.86	4.06	4.06	4.06	4.06	4.06	4.06	4.06	3.86
45.0	3.05	3.05	3.05	3.25	3.05	3.05	3.25	3.25	3.45
67.5	2.44	2.44	2.64	2.84	2.84	2.84	2.84	3.05	3.05
90.0	2.23	2.44	2.44	2.44	2.44	2.64	2.64	2.84	2.84
112.5	2.44	2.44	2.64	2.84	2.84	2.84	2.84	3.05	3.05
135.0	3.05	3.05	3.05	3.25	3.05	3.05	3.25	3.25	3.45
157.5	3.86	4.06	4.06	4.06	4.06	4.06	4.06	4.06	3.86
180.0	4.87	4.87	4.87	4.87	4.87	4.87	4.67	4.87	4.67
202.5	5.48	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28
225.0	5.69	5.89	5.69	5.69	5.69	5.69	5.69	5.69	5.69
247.5	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89
270.0	5.69	5.89	5.89	5.89	5.89	5.89	6.09	6.09	5.89
292.5	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89
315.0	5.69	5.89	5.69	5.69	5.69	5.69	5.69	5.69	5.69
337.5	5.48	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28
360.0	4.87	4.87	4.87	4.87	4.87	4.87	4.67	4.87	4.67
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	4.87	4.87	4.67	4.67	4.67	4.67	4.67	4.67	4.47
22.5	4.06	4.06	4.06	4.06	4.06	4.06	3.86	4.06	4.06
45.0	3.45	3.25	3.45	3.45	3.45	3.45	3.66	3.66	3.45
67.5	3.05	3.05	3.25	3.25	3.25	3.25	3.25	3.45	3.45
90.0	3.05	3.05	3.05	3.05	3.25	3.25	3.25	3.25	3.25
112.5	3.05	3.05	3.25	3.25	3.25	3.25	3.25	3.45	3.45
135.0	3.45	3.25	3.45	3.45	3.45	3.45	3.66	3.66	3.45
157.5	4.06	4.06	4.06	4.06	4.06	4.06	3.86	4.06	4.06
180.0	4.87	4.87	4.67	4.67	4.67	4.67	4.67	4.67	4.47
202.5	5.08	5.28	5.28	5.08	5.28	5.28	5.28	5.08	5.08
225.0	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48
247.5	5.89	5.89	5.69	5.89	5.69	5.89	5.69	5.69	5.69
270.0	6.09	5.89	6.09	5.89	5.89	5.69	5.89	5.69	5.69
292.5	5.89	5.89	5.69	5.89	5.69	5.89	5.69	5.69	5.69
315.0	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48
337.5	5.08	5.28	5.28	5.08	5.28	5.28	5.28	5.08	5.08
360.0	4.87	4.87	4.67	4.67	4.67	4.67	4.67	4.67	4.47
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	4.47	4.67	4.47	4.47	4.47	4.47	4.26	4.47	4.26
22.5	4.26	4.06	4.06	4.26	4.06	4.06	4.06	4.06	4.06
45.0	3.66	3.66	3.66	3.66	3.86	3.86	3.86	3.86	3.86
67.5	3.25	3.45	3.45	3.66	3.66	3.66	3.66	3.66	3.66
90.0	3.45	3.45	3.45	3.45	3.66	3.45	3.66	3.66	3.66
112.5	3.25	3.45	3.45	3.66	3.66	3.66	3.66	3.66	3.66
135.0	3.66	3.66	3.66	3.66	3.86	3.86	3.86	3.86	3.86
157.5	4.26	4.06	4.06	4.26	4.06	4.06	4.06	4.06	4.06
180.0	4.47	4.67	4.47	4.47	4.47	4.47	4.26	4.47	4.26
202.5	5.08	5.08	5.08	5.08	4.87	4.87	4.87	4.67	4.67
225.0	5.28	5.28	5.28	5.28	5.08	5.08	5.08	5.08	5.08
247.5	5.48	5.69	5.69	5.48	5.48	5.48	5.28	5.28	5.28
270.0	5.69	5.69	5.69	5.48	5.48	5.48	5.48	5.48	5.28
292.5	5.48	5.69	5.69	5.48	5.48	5.48	5.28	5.28	5.28
315.0	5.28	5.28	5.28	5.28	5.08	5.08	5.08	5.08	5.08
337.5	5.08	5.08	5.08	5.08	4.87	4.87	4.87	4.67	4.67
360.0	4.47	4.67	4.47	4.47	4.47	4.47	4.26	4.47	4.26

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	4.26	4.26	4.26	4.06	4.06	4.06	4.06	4.06	4.06
22.5	4.06	4.06	4.06	4.06	3.86	4.06	4.06	4.06	3.86
45.0	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
67.5	3.86	3.86	3.86	3.86	3.86	4.06	4.06	3.86	4.06
90.0	3.66	3.66	3.86	3.86	3.86	3.86	3.86	4.06	3.86
112.5	3.86	3.86	3.86	3.86	3.86	4.06	4.06	3.86	4.06
135.0	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
157.5	4.06	4.06	4.06	4.06	3.86	4.06	4.06	4.06	3.86
180.0	4.26	4.26	4.26	4.06	4.06	4.06	4.06	4.06	4.06
202.5	4.67	4.47	4.47	4.47	4.47	4.47	4.26	4.26	4.26
225.0	5.08	4.87	4.87	4.87	4.87	4.67	4.67	4.47	4.26
247.5	5.08	5.08	5.28	5.08	5.08	5.08	5.08	4.87	4.87
270.0	5.28	5.28	5.28	5.08	5.08	5.08	4.87	5.08	4.87
292.5	5.08	5.08	5.28	5.08	5.08	5.08	5.08	4.87	4.87
315.0	5.08	4.87	4.87	4.87	4.87	4.67	4.67	4.47	4.26
337.5	4.67	4.47	4.47	4.47	4.47	4.47	4.26	4.26	4.26
360.0	4.26	4.26	4.26	4.06	4.06	4.06	4.06	4.06	4.06
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	4.06	4.06	4.06	4.06	4.06	4.06	4.47	4.26	4.26
22.5	3.86	3.86	4.06	4.06	4.06	4.06	4.06	4.26	4.06
45.0	3.86	3.86	4.06	3.86	3.86	4.06	4.06	4.06	4.26
67.5	3.86	3.86	4.06	4.06	4.06	4.06	4.26	4.26	4.26
90.0	3.86	3.86	3.86	4.06	4.06	4.06	4.06	4.06	4.26
112.5	3.86	3.86	4.06	4.06	4.06	4.06	4.26	4.26	4.26
135.0	3.86	3.86	4.06	3.86	3.86	4.06	4.06	4.06	4.26
157.5	3.86	3.86	4.06	4.06	4.06	4.06	4.06	4.26	4.06
180.0	4.06	4.06	4.06	4.06	4.06	4.06	4.47	4.26	4.26
202.5	4.06	4.26	4.26	4.26	4.26	4.06	4.26	4.26	4.26
225.0	4.26	4.26	4.26	4.26	4.26	4.26	4.47	4.47	4.26
247.5	4.67	4.67	4.47	4.47	4.67	4.47	4.26	4.26	4.26
270.0	4.67	4.67	4.67	4.47	4.47	4.47	4.26	4.47	4.26
292.5	4.67	4.67	4.47	4.47	4.67	4.47	4.26	4.26	4.26
315.0	4.26	4.26	4.26	4.26	4.26	4.26	4.47	4.47	4.26
337.5	4.06	4.26	4.26	4.26	4.26	4.06	4.26	4.26	4.26
360.0	4.06	4.06	4.06	4.06	4.06	4.06	4.47	4.26	4.26
C/γ(°)	180.0								
0.0	4.26								
22.5	4.26								
45.0	4.26								
67.5	4.26								
90.0	4.26								
112.5	4.26								
135.0	4.26								
157.5	4.26								
180.0	4.26								
202.5	4.26								
225.0	4.26								
247.5	4.26								
270.0	4.26								
292.5	4.26								
315.0	4.26								
337.5	4.26								
360.0	4.26								