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Nata

Client:

LumCAT: 2-2561-L

Luminaire: 92.70.411.00

Report No: 2024829-B002

Ballast type: AC

Test No: 2024829-C002

Voltage(V): 35.060

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.603

Lamp flux(lm): 3408.0

Power (W): 21.150

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3176.65, Efficiency(%): 93.21% , Luminous Efficacy(lm/W): 150.20

Central intensity(cd): 12517.230, Maximum intensity(cd): 12517.230

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.0

[C90/270]Total=22.0

Field angle(10%Imax): [C0/180]Total=55.6

[C90/270]Total=55.6

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.41 C90_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.21%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.012%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12517.234	0.000	0	0.00%	0.00%
1.0	12471.964	11.957	11.957	0.35%	0.38%
2.0	12345.906	35.621	47.578	1.05%	1.50%
3.0	11903.310	57.996	105.574	1.70%	3.32%
4.0	11559.295	78.537	184.111	2.30%	5.80%
5.0	11064.708	97.327	281.438	2.86%	8.86%
6.0	10393.262	112.767	394.205	3.31%	12.41%
7.0	9616.579	124.201	518.406	3.64%	16.32%
8.0	8687.576	130.999	649.406	3.84%	20.44%
9.0	7885.893	134.319	783.724	3.94%	24.67%
10.0	7021.450	134.906	918.63	3.96%	28.92%
11.0	6267.888	132.788	1051.418	3.90%	33.10%
12.0	5527.564	128.941	1180.359	3.78%	37.16%
13.0	4915.724	123.936	1304.295	3.64%	41.06%
14.0	4405.644	119.313	1423.608	3.50%	44.81%
15.0	3925.650	114.376	1537.983	3.36%	48.42%
16.0	3529.716	109.242	1647.225	3.21%	51.85%
17.0	3158.362	104.151	1751.377	3.06%	55.13%
18.0	2877.692	99.521	1850.898	2.92%	58.27%
19.0	2656.226	96.279	1947.177	2.83%	61.30%
20.0	2442.369	93.318	2040.495	2.74%	64.23%
21.0	2252.139	90.144	2130.639	2.65%	67.07%
22.0	2021.054	85.872	2216.511	2.52%	69.78%
23.0	1870.410	81.653	2298.165	2.40%	72.35%
24.0	1750.831	79.173	2377.338	2.32%	74.84%
25.0	1634.451	76.974	2454.312	2.26%	77.26%
26.0	1521.415	74.495	2528.806	2.19%	79.61%
27.0	1357.262	70.427	2599.234	2.07%	81.82%
28.0	1218.438	65.211	2664.445	1.91%	83.88%
29.0	1132.860	61.517	2725.962	1.81%	85.81%
30.0	1024.791	58.256	2784.218	1.71%	87.65%
31.0	889.331	53.267	2837.485	1.56%	89.32%
32.0	767.918	47.478	2884.963	1.39%	90.82%
33.0	652.314	41.841	2926.804	1.23%	92.13%
34.0	523.812	35.593	2962.397	1.04%	93.26%
35.0	428.049	29.561	2991.958	0.87%	94.19%
36.0	337.931	24.389	3016.347	0.72%	94.95%
37.0	255.776	19.363	3035.711	0.57%	95.56%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	195.151	15.051	3050.762	0.44%	96.04%
39.0	147.681	11.702	3062.464	0.34%	96.41%
40.0	98.942	8.601	3071.065	0.25%	96.68%
41.0	83.029	6.480	3077.545	0.19%	96.88%
42.0	72.517	5.651	3083.196	0.17%	97.06%
43.0	65.460	5.111	3088.307	0.15%	97.22%
44.0	59.107	4.701	3093.009	0.14%	97.37%
45.0	53.725	4.336	3097.345	0.13%	97.50%
46.0	49.566	4.040	3101.385	0.12%	97.63%
47.0	46.170	3.808	3105.192	0.11%	97.75%
48.0	43.003	3.605	3108.797	0.11%	97.86%
49.0	40.440	3.427	3112.224	0.10%	97.97%
50.0	38.601	3.295	3115.519	0.10%	98.08%
51.0	36.544	3.179	3118.698	0.09%	98.18%
52.0	35.085	3.074	3121.772	0.09%	98.27%
53.0	33.969	3.004	3124.776	0.09%	98.37%
54.0	33.055	2.954	3127.73	0.09%	98.46%
55.0	32.379	2.921	3130.651	0.09%	98.55%
56.0	31.984	2.908	3133.559	0.09%	98.64%
57.0	31.748	2.914	3136.473	0.09%	98.74%
58.0	31.505	2.925	3139.398	0.09%	98.83%
59.0	31.235	2.933	3142.331	0.09%	98.92%
60.0	30.723	2.927	3145.258	0.09%	99.01%
61.0	29.402	2.869	3148.128	0.08%	99.10%
62.0	27.352	2.735	3150.863	0.08%	99.19%
63.0	24.849	2.539	3153.401	0.07%	99.27%
64.0	21.859	2.292	3155.693	0.07%	99.34%
65.0	18.850	2.015	3157.708	0.06%	99.40%
66.0	16.472	1.762	3159.47	0.05%	99.46%
67.0	14.606	1.563	3161.033	0.05%	99.51%
68.0	13.397	1.419	3162.452	0.04%	99.55%
69.0	12.273	1.310	3163.761	0.04%	99.59%
70.0	11.413	1.216	3164.978	0.04%	99.63%
71.0	10.723	1.144	3166.122	0.03%	99.67%
72.0	9.941	1.074	3167.196	0.03%	99.70%
73.0	9.284	1.005	3168.201	0.03%	99.73%
74.0	8.594	0.940	3169.141	0.03%	99.76%
75.0	7.904	0.872	3170.013	0.03%	99.79%

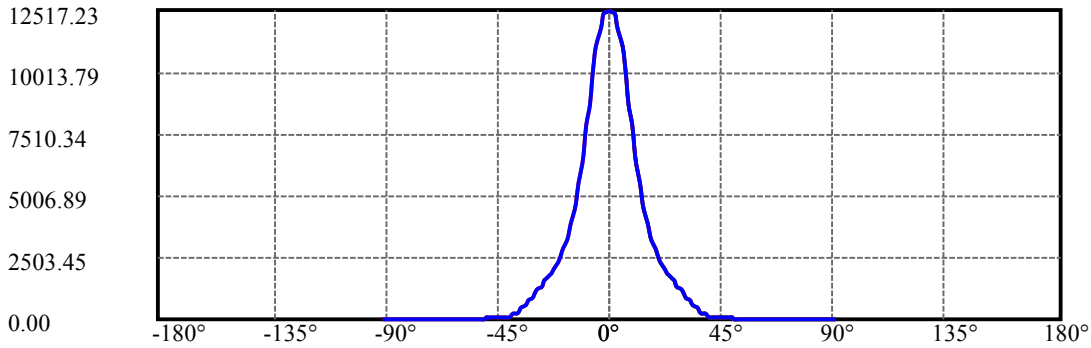
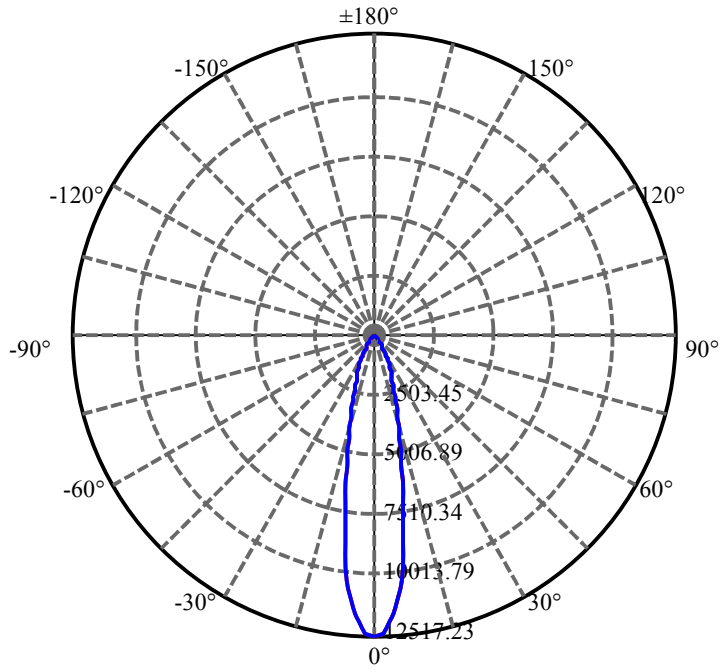
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.260	0.805	3170.818	0.02%	99.82%
77.0	6.662	0.742	3171.56	0.02%	99.84%
78.0	6.064	0.681	3172.242	0.02%	99.86%
79.0	5.512	0.622	3172.864	0.02%	99.88%
80.0	4.993	0.566	3173.43	0.02%	99.90%
81.0	4.547	0.516	3173.946	0.02%	99.91%
82.0	4.074	0.467	3174.413	0.01%	99.93%
83.0	3.640	0.419	3174.833	0.01%	99.94%
84.0	3.193	0.372	3175.205	0.01%	99.95%
85.0	2.832	0.329	3175.534	0.01%	99.96%
86.0	2.484	0.291	3175.824	0.01%	99.97%
87.0	2.148	0.254	3176.078	0.01%	99.98%
88.0	1.873	0.220	3176.298	0.01%	99.99%
89.0	1.616	0.191	3176.489	0.01%	99.99%
90.0	1.406	0.166	3176.655	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2784.22	81.70%	87.65%
0-40	3071.07	90.11%	96.68%
0-60	3145.26	92.29%	99.01%
0-90	3176.49	93.21%	99.99%
0-120	3176.49	93.21%	99.99%
0-180	3176.65	93.21%	100.00%
60-90	31.23	0.92%	0.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.18	2541.32	74.57%	80.00%

ZONAL LUMEN SUMMARY

0-10	918.63
10-20	1121.86
20-30	743.72
30-40	286.85
40-50	44.45
50-60	29.74
60-70	19.72
70-80	8.45
80-90	3.06
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0(Max): —————

C0/C180: —————

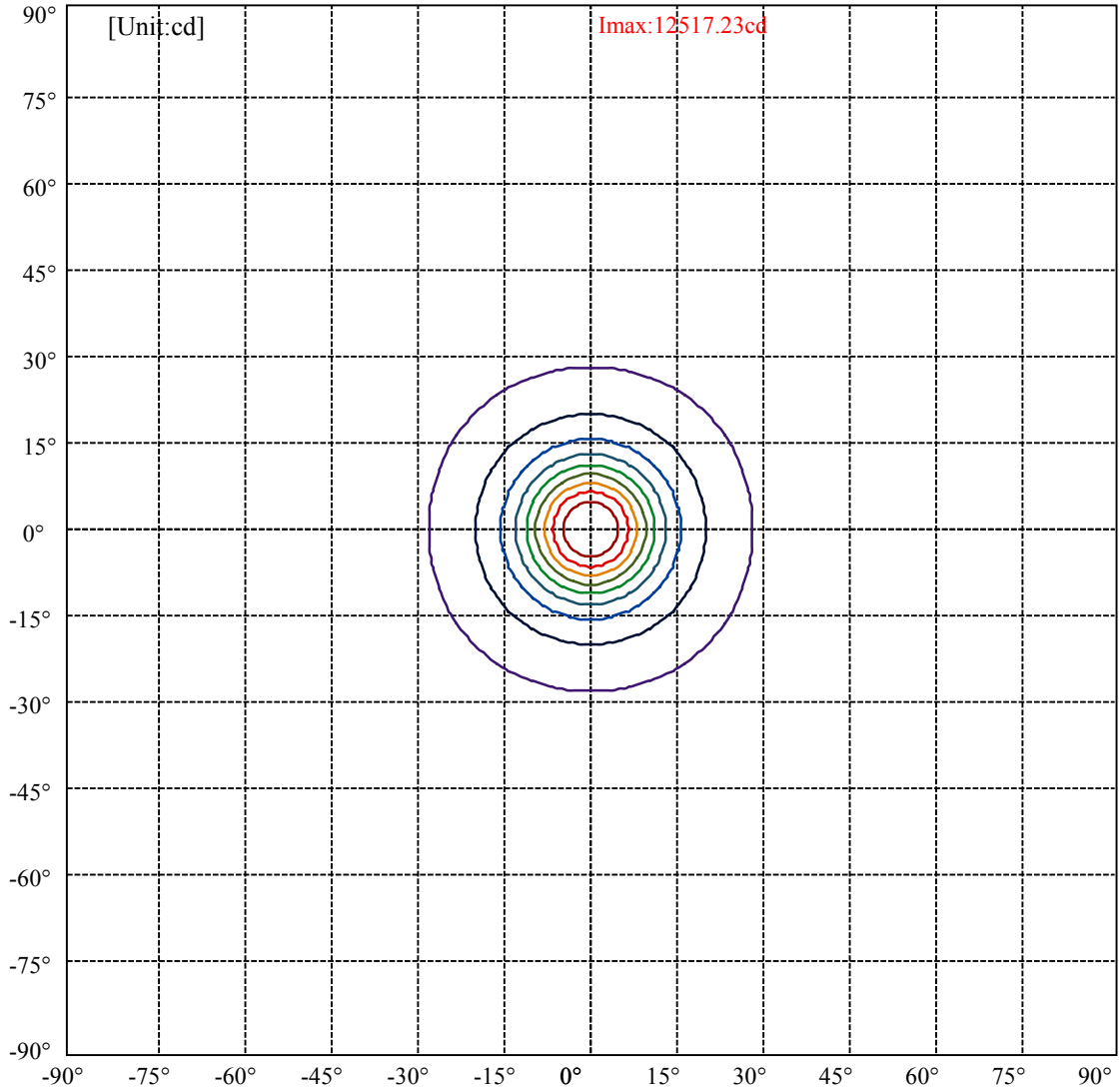
C90/C270: —————

Field angle(10%Imax):C0/180Left:27.8 Right:27.8

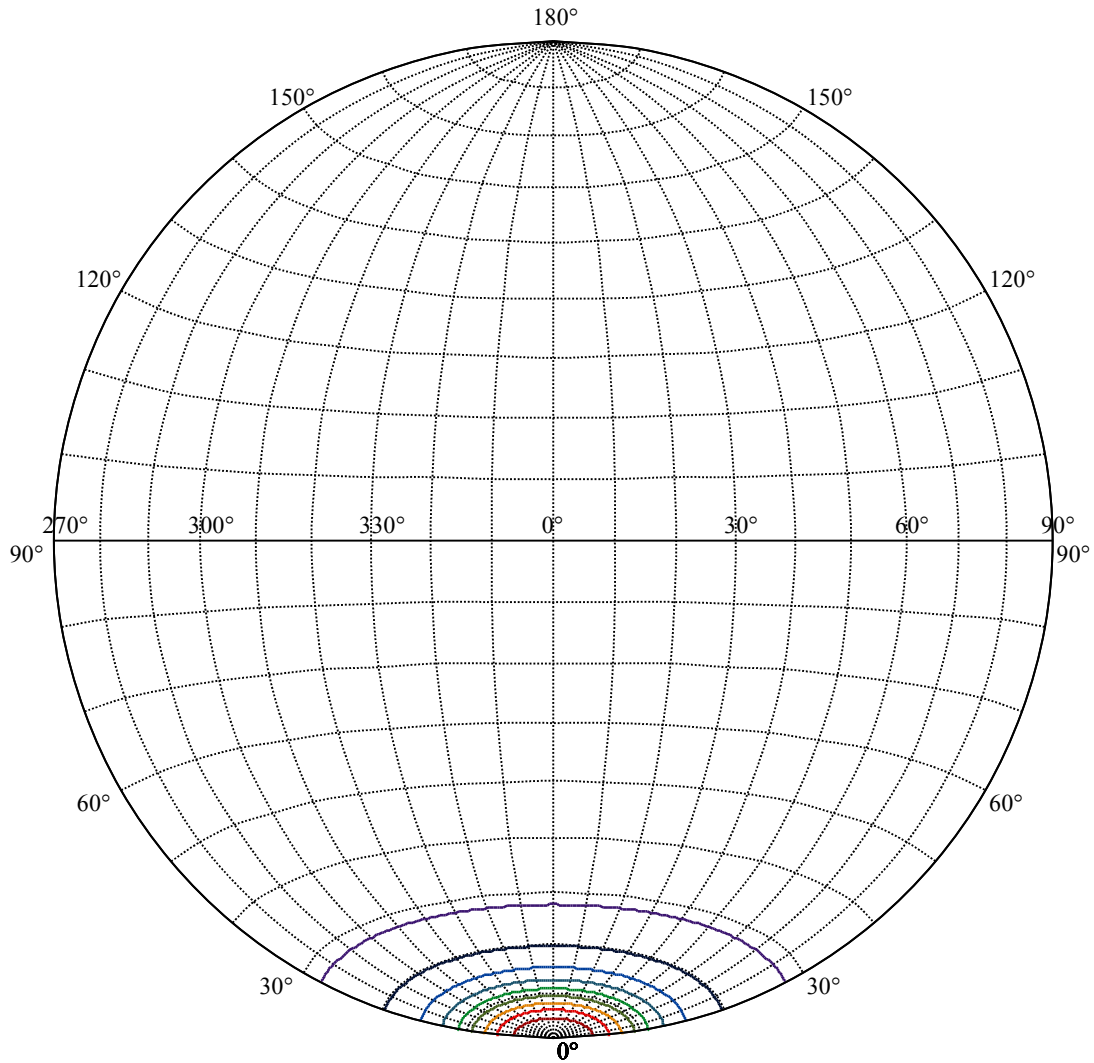
:C90/270Left:27.8 Right:27.8

Beam Angle(50%Imax):C0/180Left:11.0 Right:11.0

:C90/270Left:11.0 Right:11.0



(10%Imax) 1251.72	—
(20%Imax) 2503.45	—
(30%Imax) 3755.17	—
(40%Imax) 5006.89	—
(50%Imax) 6258.62	—
(60%Imax) 7510.34	—
(70%Imax) 8762.06	—
(80%Imax) 10013.8	—
(90%Imax) 11265.5	—



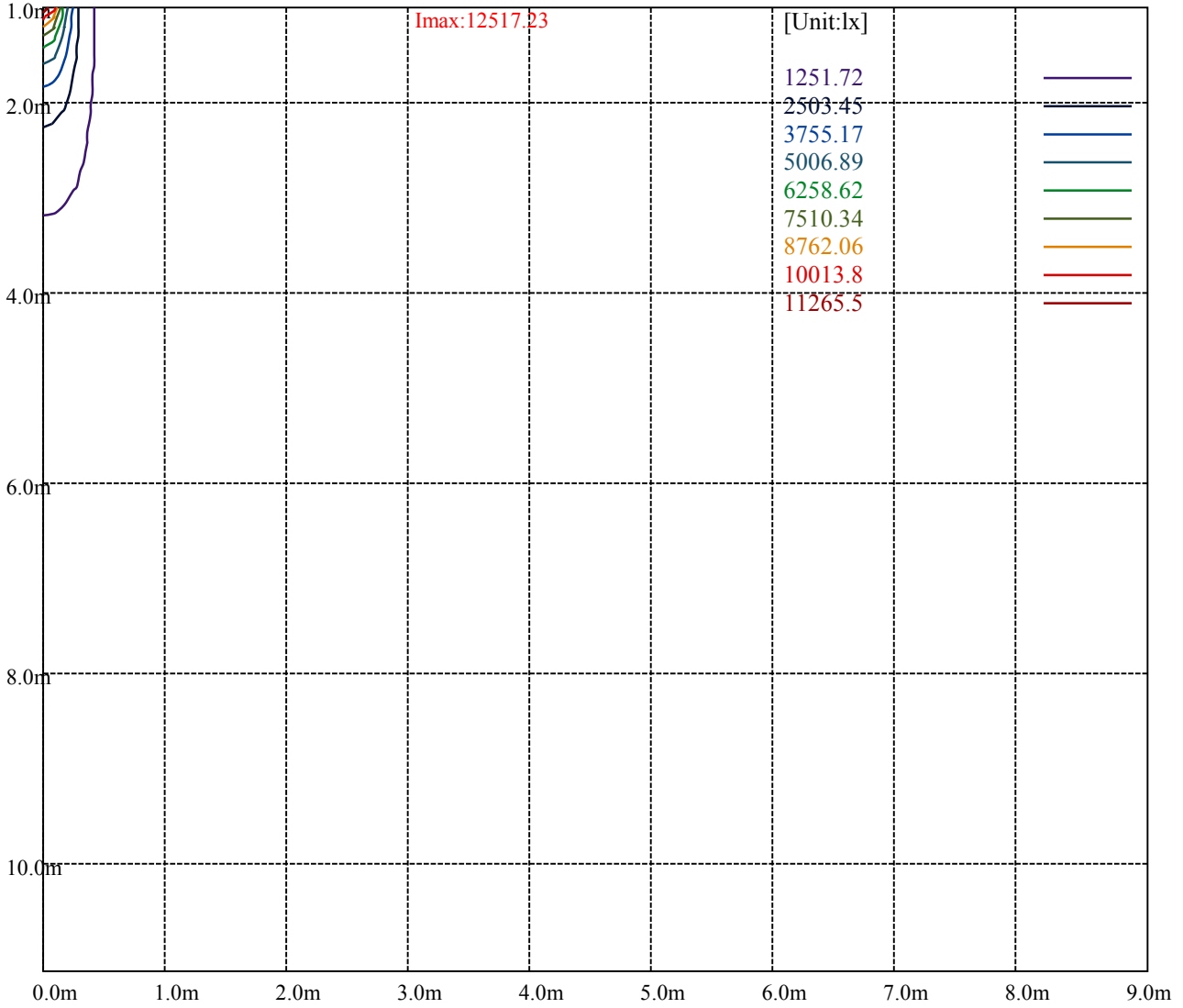
House

[Unit:cd]

Road

Imax:12517.23

(10%Imax)	1251.72	—
(20%Imax)	2503.45	—
(30%Imax)	3755.17	—
(40%Imax)	5006.89	—
(50%Imax)	6258.62	—
(60%Imax)	7510.34	—
(70%Imax)	8762.06	—
(80%Imax)	10013.8	—
(90%Imax)	11265.5	—



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(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

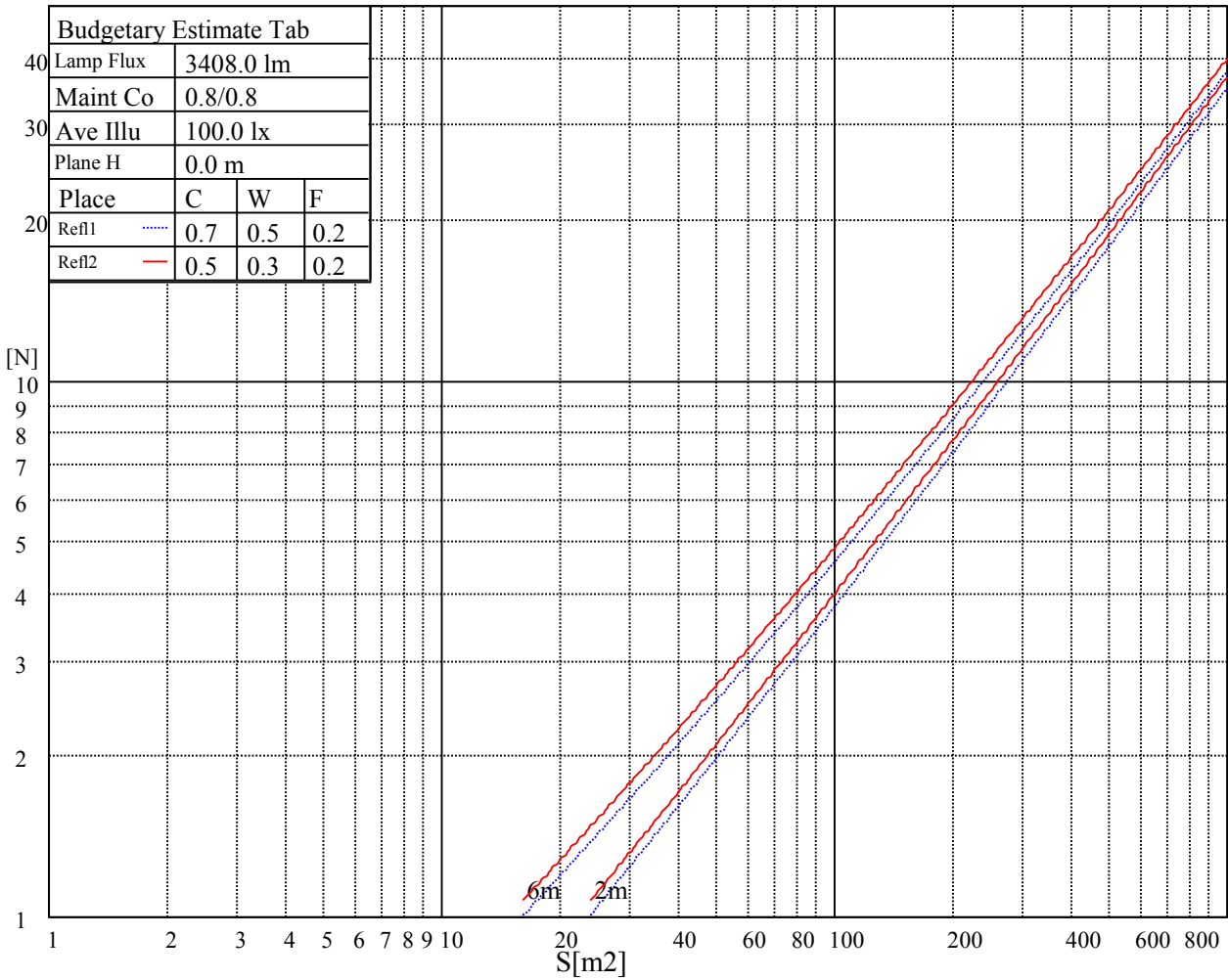
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

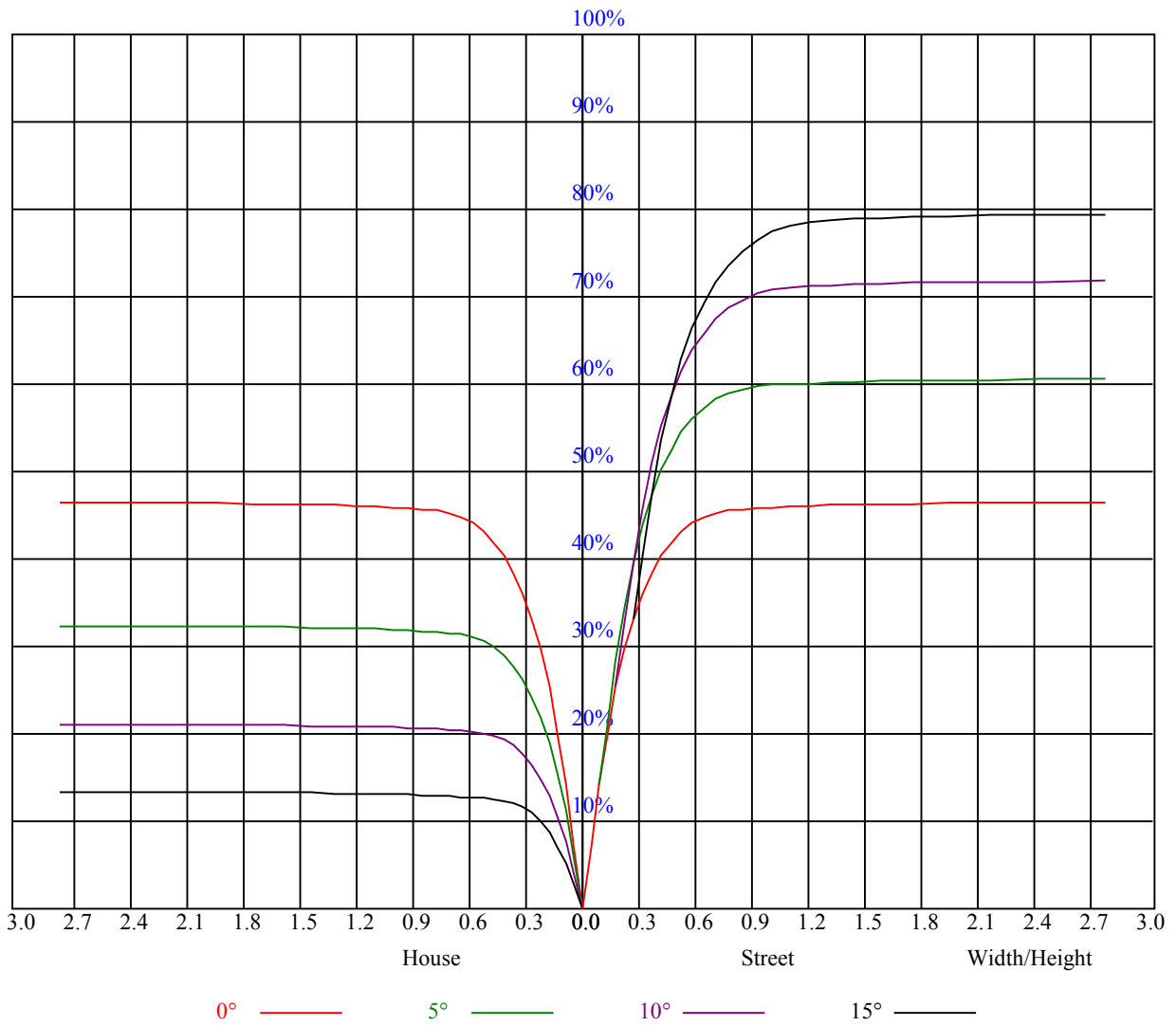


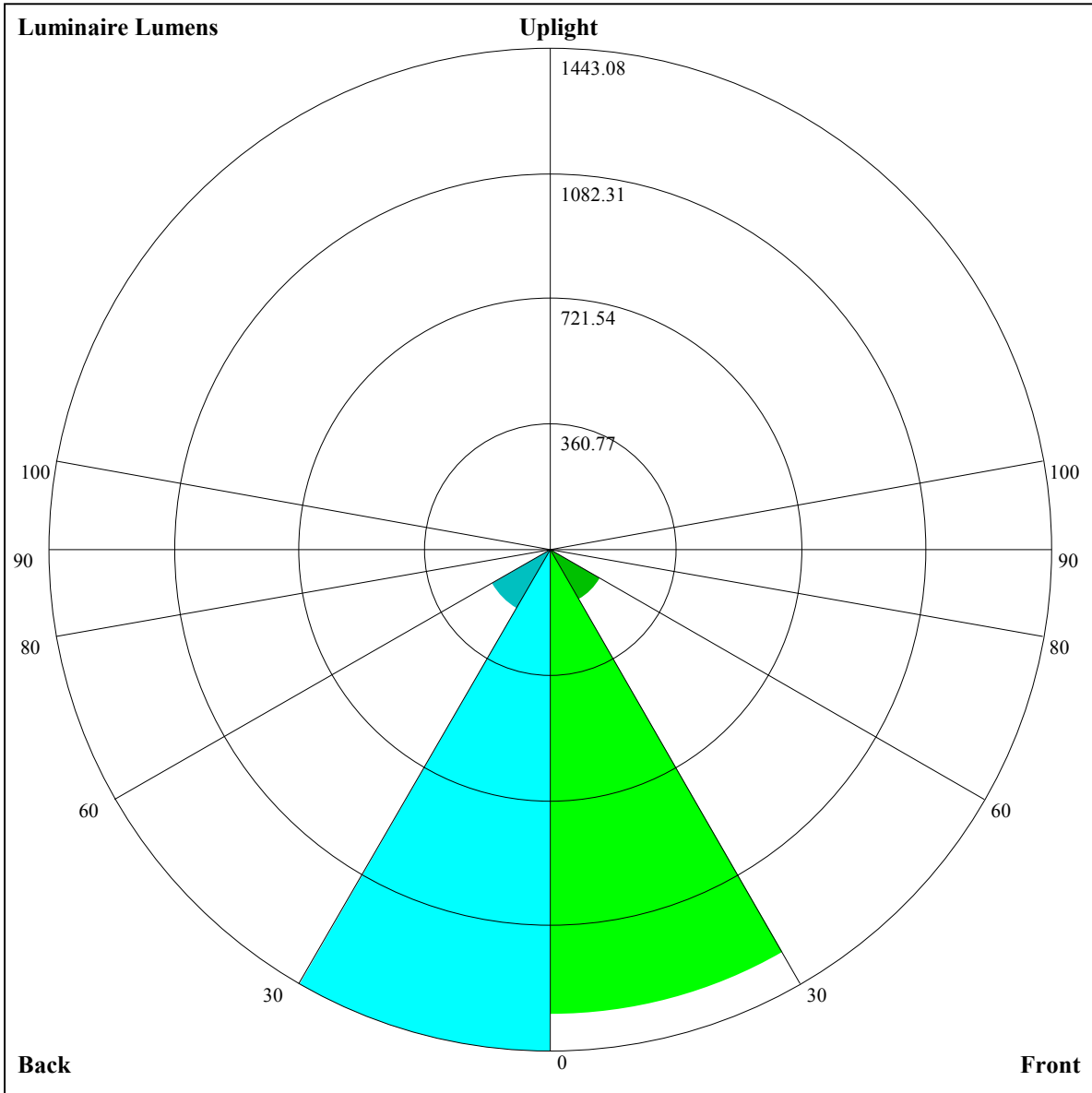
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.75	0.72	0.71
7	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69
8	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62





Luminaire Lumens:

FL=1338.91,FM=167.93,FH=13.04,FVH=1.48

BL=1443.08,BM=196.19,BH=14.69,BVH=1.72

UL=0,UH=0

BUG Rating:B3-U0-G0

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	12439.23	12244.22	12015.79	11032.13	11032.13	10266.03	9402.43	8488.11	7575.47
45.0	12550.66	12494.95	12400.23	12010.22	11514.34	11163.33	10416.73	9553.13	8644.95
90.0	12489.38	12294.37	11987.93	10823.72	10823.72	10337.89	9466.51	8548.29	7635.65
135.0	12589.66	12561.81	12411.37	12138.36	11698.20	11129.90	10400.02	9592.13	8717.39
180.0	12439.23	12522.81	12528.38	12389.09	12188.51	11831.92	11319.33	10661.88	9859.57
225.0	12550.66	12545.09	12450.37	12266.51	12054.79	10921.23	10613.68	9759.02	8859.20
270.0	12489.38	12567.38	12595.24	12472.66	12277.65	11982.36	11480.91	10823.46	9987.72
315.0	12589.66	12545.09	12377.94	12093.79	10885.01	10885.01	10046.48	9506.61	8220.67
360.0	12439.23	12244.22	12015.79	11032.13	11032.13	10266.03	9402.43	8488.11	7575.47
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6705.77	5913.44	5246.00	4669.34	4157.85	3711.02	3321.00	2982.24	2694.72
45.0	7720.06	6828.60	6009.58	5301.98	4711.39	4187.65	3753.07	3363.05	3023.18
90.0	6753.65	5955.80	5257.67	4681.01	4179.56	3727.73	3334.35	2997.85	2697.51
135.0	8193.65	7330.05	6527.74	5797.85	5157.12	4594.38	4109.65	3680.64	3207.34
180.0	9007.11	8121.22	7274.33	6455.31	5730.99	5112.54	4555.38	4159.80	3658.35
225.0	7930.42	7040.06	6538.04	5524.58	4925.63	4603.00	3924.95	3672.02	3290.36
270.0	9090.68	8160.22	7246.48	6410.73	5664.14	5040.11	4599.95	3992.65	3569.20
315.0	7685.79	6822.19	6043.27	5379.72	4799.11	4268.71	3806.84	3389.49	3026.23
360.0	6705.77	5913.44	5246.00	4669.34	4157.85	3711.02	3321.00	2982.24	2694.72
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2457.93	2252.36	2079.64	1959.85	1826.13	1692.41	1608.25	1499.61	1374.25
45.0	2839.32	2839.32	2307.49	2080.74	1958.74	1816.67	1692.41	1587.07	1477.90
90.0	2446.26	2278.53	2072.38	1918.06	1814.40	1675.11	1590.44	1493.51	1383.18
135.0	2978.61	2805.89	2805.89	2277.43	2103.60	1948.70	1836.69	1697.40	1611.04
180.0	3368.63	3028.76	2750.18	2750.18	2311.38	2126.99	1969.31	1827.81	1702.97
225.0	2952.70	2663.55	2417.24	2213.88	2037.27	1891.30	1756.48	1644.47	1530.25
270.0	3268.34	2928.47	2867.18	2750.18	2197.74	2021.66	1870.70	1745.86	1632.80
315.0	2709.75	2452.93	2238.95	2066.81	1919.16	1790.44	1682.37	1579.87	1458.92
360.0	2457.93	2252.36	2079.64	1959.85	1826.13	1692.41	1608.25	1499.61	1374.25
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1058.19	1058.19	976.98	843.58	714.48	592.75	478.27	372.98	278.53
45.0	1359.79	1232.17	1103.50	971.99	845.52	719.06	600.89	490.04	388.65
90.0	1096.87	1070.65	1015.19	886.68	759.16	631.33	512.75	404.21	305.70
135.0	1499.08	1343.60	1237.22	1105.13	970.30	841.05	713.48	590.91	478.90
180.0	1585.44	1468.44	1340.29	1262.29	1066.13	935.19	855.56	678.90	605.94
225.0	1407.68	1101.45	1047.05	1020.40	913.59	783.55	660.13	541.18	432.59
270.0	1520.79	1397.64	1267.28	1138.56	1004.84	927.41	803.16	629.91	557.48
315.0	1330.25	1075.38	1075.38	969.73	840.63	713.01	594.27	482.37	376.61
360.0	1058.19	1058.19	976.98	843.58	714.48	592.75	478.27	372.98	278.53
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	228.17	137.66	101.81	90.30	75.58	70.75	63.81	57.87	52.67
45.0	295.61	295.61	151.96	124.36	94.88	80.79	70.91	63.50	56.77
90.0	252.30	154.48	111.33	95.19	81.31	71.49	63.76	56.87	51.46
135.0	372.46	277.21	277.21	131.72	95.35	83.99	71.12	64.39	60.55
180.0	495.61	392.54	297.82	297.82	143.34	107.75	90.67	81.37	73.64
225.0	332.04	245.68	175.72	125.26	95.93	81.42	71.80	64.76	58.13
270.0	444.89	341.81	305.07	212.88	116.85	89.99	78.21	69.12	62.23
315.0	282.37	201.21	140.29	103.92	88.31	78.06	69.86	65.81	57.40
360.0	228.17	137.66	101.81	90.30	75.58	70.75	63.81	57.87	52.67

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	48.57	45.20	42.31	39.84	37.74	36.11	34.85	34.01	33.53
45.0	51.25	47.04	43.73	40.95	38.48	36.48	34.69	33.32	32.22
90.0	47.10	43.68	40.79	38.21	36.11	34.11	32.64	31.43	30.59
135.0	52.67	50.04	46.10	43.05	40.37	38.16	36.43	35.11	34.22
180.0	67.28	61.60	57.03	53.19	50.04	48.25	45.62	42.31	41.16
225.0	52.67	48.25	44.63	41.79	39.26	37.95	35.43	34.53	33.11
270.0	55.93	50.57	47.94	43.00	40.16	38.69	35.64	34.48	32.85
315.0	54.35	50.14	46.83	43.99	41.37	39.05	37.06	35.48	34.06
360.0	48.57	45.20	42.31	39.84	37.74	36.11	34.85	34.01	33.53
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.17	33.11	33.17	33.17	32.80	31.75	30.54	27.39	24.28
45.0	31.59	31.01	30.85	30.70	30.49	30.54	29.96	28.75	26.23
90.0	30.12	29.75	29.59	29.70	29.70	29.33	28.28	26.28	22.97
135.0	33.59	33.17	33.43	33.85	33.96	34.53	34.59	33.59	31.22
180.0	39.47	38.16	36.90	36.27	35.80	35.48	35.01	34.38	33.06
225.0	31.96	30.96	30.33	29.86	29.33	29.12	29.01	28.49	27.23
270.0	31.54	30.38	29.54	28.80	28.49	28.07	28.07	27.54	27.02
315.0	33.01	32.48	32.06	31.64	31.48	31.06	30.33	28.80	26.81
360.0	33.17	33.11	33.17	33.17	32.80	31.75	30.54	27.39	24.28
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.76	17.66	15.51	14.09	12.98	12.09	11.30	10.57	9.78
45.0	23.23	20.18	16.87	14.56	12.83	11.67	10.78	10.09	9.36
90.0	20.39	16.98	14.77	12.98	11.77	10.99	10.20	9.41	8.73
135.0	28.86	24.02	21.24	18.19	16.03	14.56	13.46	12.46	11.51
180.0	31.33	28.65	24.97	21.55	18.87	17.03	15.51	14.35	13.67
225.0	25.18	22.39	19.40	16.66	14.61	13.82	12.30	11.46	11.04
270.0	25.55	23.23	20.34	17.35	15.03	13.93	12.14	11.30	10.83
315.0	23.50	21.76	17.71	16.40	14.72	13.09	12.51	11.67	10.88
360.0	20.76	17.66	15.51	14.09	12.98	12.09	11.30	10.57	9.78
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.04	8.41	7.67	6.99	6.41	5.89	5.41	4.84	4.36
45.0	8.67	8.04	7.41	6.83	6.20	5.89	5.15	4.89	4.36
90.0	8.20	7.57	6.94	6.25	5.78	5.15	4.68	4.21	3.84
135.0	10.72	9.93	9.20	8.41	7.73	6.99	6.41	5.83	5.31
180.0	12.62	11.77	10.99	10.04	9.20	8.41	7.62	6.83	6.10
225.0	10.25	9.57	8.78	8.20	7.52	6.89	6.36	5.78	5.31
270.0	9.88	9.51	8.94	8.30	7.73	7.25	6.62	6.04	5.57
315.0	10.14	9.46	8.83	8.20	7.52	6.83	6.25	5.68	5.10
360.0	9.04	8.41	7.67	6.99	6.41	5.89	5.41	4.84	4.36
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.94	3.63	3.15	2.68	2.37	2.05	1.79	1.52	1.37
45.0	3.73	3.31	2.94	2.52	2.16	1.89	1.58	1.31	1.10
90.0	3.47	3.05	2.68	2.31	2.00	1.79	1.52	1.26	1.10
135.0	4.94	4.52	3.94	3.63	3.10	2.73	2.42	2.16	1.73
180.0	5.62	4.94	4.57	3.99	3.63	3.05	2.73	2.37	2.05
225.0	4.89	4.31	3.94	3.42	3.10	2.79	2.37	2.05	1.84
270.0	5.05	4.47	4.10	3.68	3.26	2.89	2.52	2.31	2.00
315.0	4.73	4.36	3.78	3.31	3.05	2.68	2.26	2.00	1.73
360.0	3.94	3.63	3.15	2.68	2.37	2.05	1.79	1.52	1.37

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	1.37
45.0	1.05
90.0	1.10
135.0	1.21
180.0	1.79
225.0	1.68
270.0	1.73
315.0	1.31
360.0	1.37