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NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.412.00

Report No: 2024325-B006

Ballast type: AC

Test No: 2024325-C006

Voltage(V): 34.720

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3474.0

Power (W): 20.033

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2892.89, Efficiency(%): 83.27% , Luminous Efficacy(lm/W): 144.41

Central intensity(cd): 6680.842, Maximum intensity(cd): 6680.842

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.2

[C90/270]Total=35.2

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.59 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.27%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.799%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/25
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6680.841	0.000	0	0.00%	0.00%
1.0	6666.942	6.387	6.387	0.18%	0.22%
2.0	6632.852	19.089	25.476	0.55%	0.88%
3.0	6583.767	31.610	57.086	0.91%	1.97%
4.0	6516.758	43.852	100.937	1.26%	3.49%
5.0	6423.927	55.670	156.607	1.60%	5.41%
6.0	6302.493	66.881	223.488	1.93%	7.73%
7.0	6146.018	77.268	300.756	2.22%	10.40%
8.0	5950.992	86.576	387.332	2.49%	13.39%
9.0	5732.996	94.692	482.024	2.73%	16.66%
10.0	5484.129	101.511	583.535	2.92%	20.17%
11.0	5225.167	107.008	690.543	3.08%	23.87%
12.0	4943.527	111.158	801.701	3.20%	27.71%
13.0	4671.105	114.101	915.803	3.28%	31.66%
14.0	4378.493	115.834	1031.637	3.33%	35.66%
15.0	4092.903	116.299	1147.936	3.35%	39.68%
16.0	3800.217	115.656	1263.592	3.33%	43.68%
17.0	3519.090	113.981	1377.573	3.28%	47.62%
18.0	3237.889	111.408	1488.981	3.21%	51.47%
19.0	2974.611	108.085	1597.066	3.11%	55.21%
20.0	2728.890	104.390	1701.456	3.00%	58.82%
21.0	2505.699	100.515	1801.971	2.89%	62.29%
22.0	2267.513	95.920	1897.891	2.76%	65.61%
23.0	2078.924	91.200	1989.091	2.63%	68.76%
24.0	1883.020	86.622	2075.713	2.49%	71.75%
25.0	1713.305	81.773	2157.485	2.35%	74.58%
26.0	1555.440	77.159	2234.645	2.22%	77.25%
27.0	1314.057	70.203	2304.847	2.02%	79.67%
28.0	1250.633	64.933	2369.78	1.87%	81.92%
29.0	1144.334	62.659	2432.439	1.80%	84.08%
30.0	992.915	57.705	2490.144	1.66%	86.08%
31.0	849.937	51.284	2541.428	1.48%	87.85%
32.0	707.895	44.630	2586.058	1.28%	89.39%
33.0	569.395	37.629	2623.688	1.08%	90.69%
34.0	444.961	30.697	2654.385	0.88%	91.76%
35.0	326.973	23.973	2678.359	0.69%	92.58%
36.0	247.843	18.302	2696.661	0.53%	93.22%
37.0	221.756	15.316	2711.976	0.44%	93.75%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	117.784	11.333	2723.31	0.33%	94.14%
39.0	103.117	7.540	2730.85	0.22%	94.40%
40.0	93.841	6.869	2737.719	0.20%	94.64%
41.0	86.277	6.414	2744.133	0.18%	94.86%
42.0	80.147	6.046	2750.179	0.17%	95.07%
43.0	74.997	5.747	2755.926	0.17%	95.27%
44.0	70.344	5.486	2761.412	0.16%	95.46%
45.0	66.321	5.252	2766.664	0.15%	95.64%
46.0	62.597	5.042	2771.706	0.15%	95.81%
47.0	59.722	4.865	2776.571	0.14%	95.98%
48.0	56.979	4.718	2781.288	0.14%	96.14%
49.0	54.682	4.585	2785.874	0.13%	96.30%
50.0	52.509	4.469	2790.343	0.13%	96.46%
51.0	50.644	4.364	2794.707	0.13%	96.61%
52.0	48.844	4.269	2798.976	0.12%	96.75%
53.0	47.111	4.174	2803.15	0.12%	96.90%
54.0	45.435	4.079	2807.229	0.12%	97.04%
55.0	43.782	3.983	2811.212	0.11%	97.18%
56.0	41.887	3.871	2815.083	0.11%	97.31%
57.0	39.949	3.742	2818.825	0.11%	97.44%
58.0	38.047	3.607	2822.432	0.10%	97.56%
59.0	36.086	3.466	2825.897	0.10%	97.68%
60.0	34.294	3.325	2829.222	0.10%	97.80%
61.0	32.487	3.187	2832.409	0.09%	97.91%
62.0	30.783	3.049	2835.458	0.09%	98.01%
63.0	29.254	2.920	2838.378	0.08%	98.12%
64.0	27.747	2.797	2841.175	0.08%	98.21%
65.0	26.540	2.687	2843.862	0.08%	98.31%
66.0	25.596	2.601	2846.463	0.07%	98.40%
67.0	24.770	2.533	2848.995	0.07%	98.48%
68.0	24.075	2.474	2851.47	0.07%	98.57%
69.0	23.863	2.446	2853.915	0.07%	98.65%
70.0	23.607	2.438	2856.353	0.07%	98.74%
71.0	23.160	2.417	2858.77	0.07%	98.82%
72.0	22.363	2.367	2861.137	0.07%	98.90%
73.0	21.697	2.304	2863.441	0.07%	98.98%
74.0	21.112	2.251	2865.692	0.06%	99.06%
75.0	20.454	2.196	2867.888	0.06%	99.14%

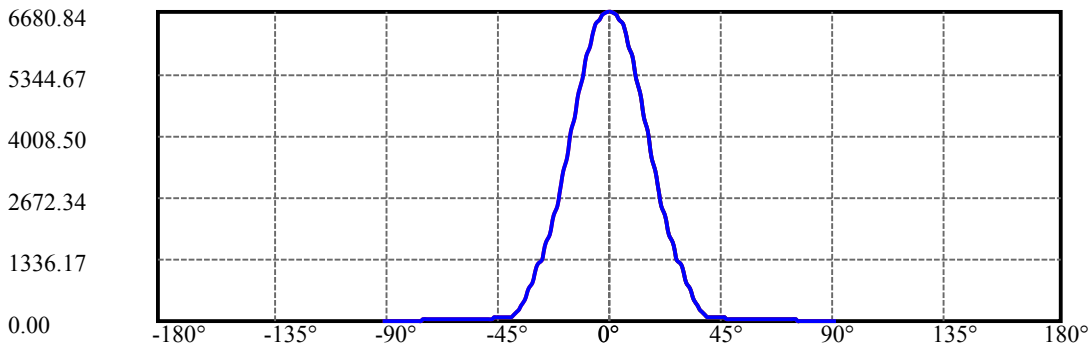
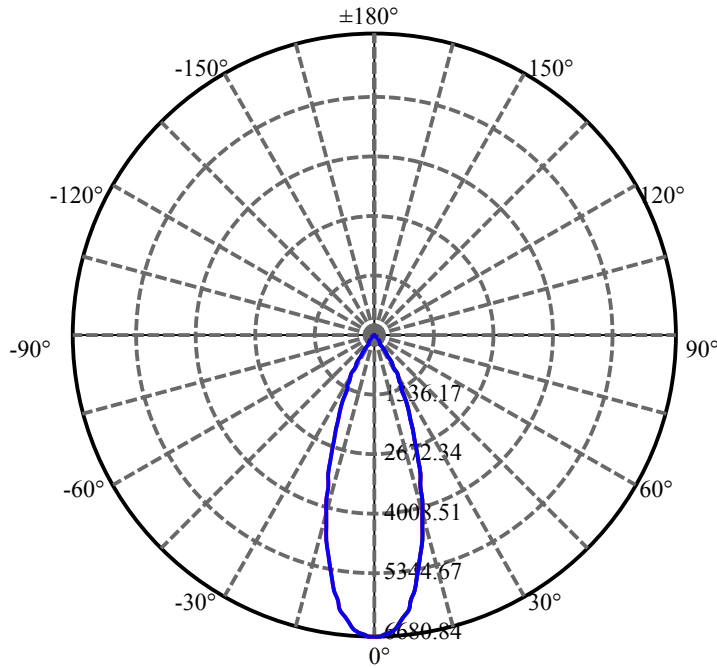
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.824	2.138	2870.026	0.06%	99.21%
77.0	19.349	2.089	2872.115	0.06%	99.28%
78.0	18.749	2.039	2874.154	0.06%	99.35%
79.0	18.113	1.981	2876.135	0.06%	99.42%
80.0	16.950	1.890	2878.025	0.05%	99.49%
81.0	15.999	1.782	2879.807	0.05%	99.55%
82.0	15.121	1.688	2881.495	0.05%	99.61%
83.0	14.221	1.595	2883.09	0.05%	99.66%
84.0	13.628	1.517	2884.607	0.04%	99.71%
85.0	13.182	1.463	2886.07	0.04%	99.76%
86.0	12.758	1.418	2887.488	0.04%	99.81%
87.0	12.458	1.380	2888.868	0.04%	99.86%
88.0	12.253	1.354	2890.222	0.04%	99.91%
89.0	12.107	1.335	2891.557	0.04%	99.95%
90.0	12.151	1.330	2892.887	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2490.14	71.68%	86.08%
0-40	2737.72	78.81%	94.64%
0-60	2829.22	81.44%	97.80%
0-90	2891.56	83.23%	99.95%
0-120	2891.56	83.23%	99.95%
0-180	2892.89	83.27%	100.00%
60-90	62.33	1.79%	2.15%
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%
0-27.15	2314.31	66.62%	80.00%

ZONAL LUMEN SUMMARY

0-10	583.54
10-20	1117.92
20-30	788.69
30-40	247.57
40-50	52.62
50-60	38.88
60-70	27.13
70-80	21.67
80-90	13.53
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: —————

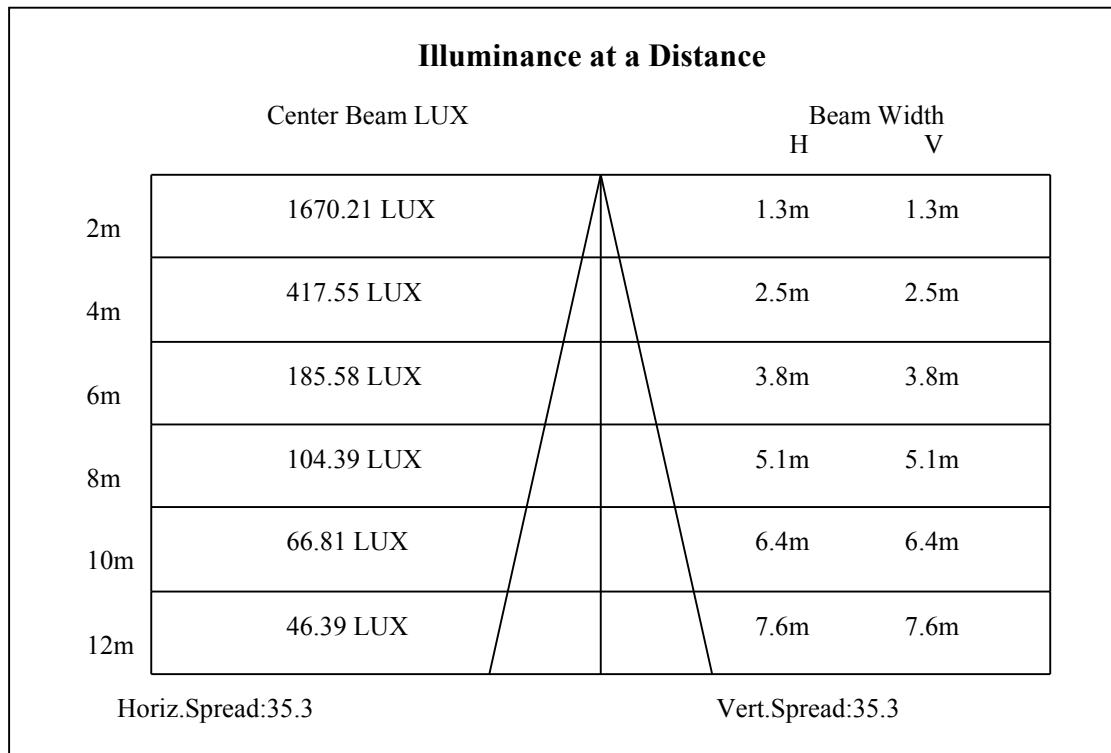
C90/C270: —————

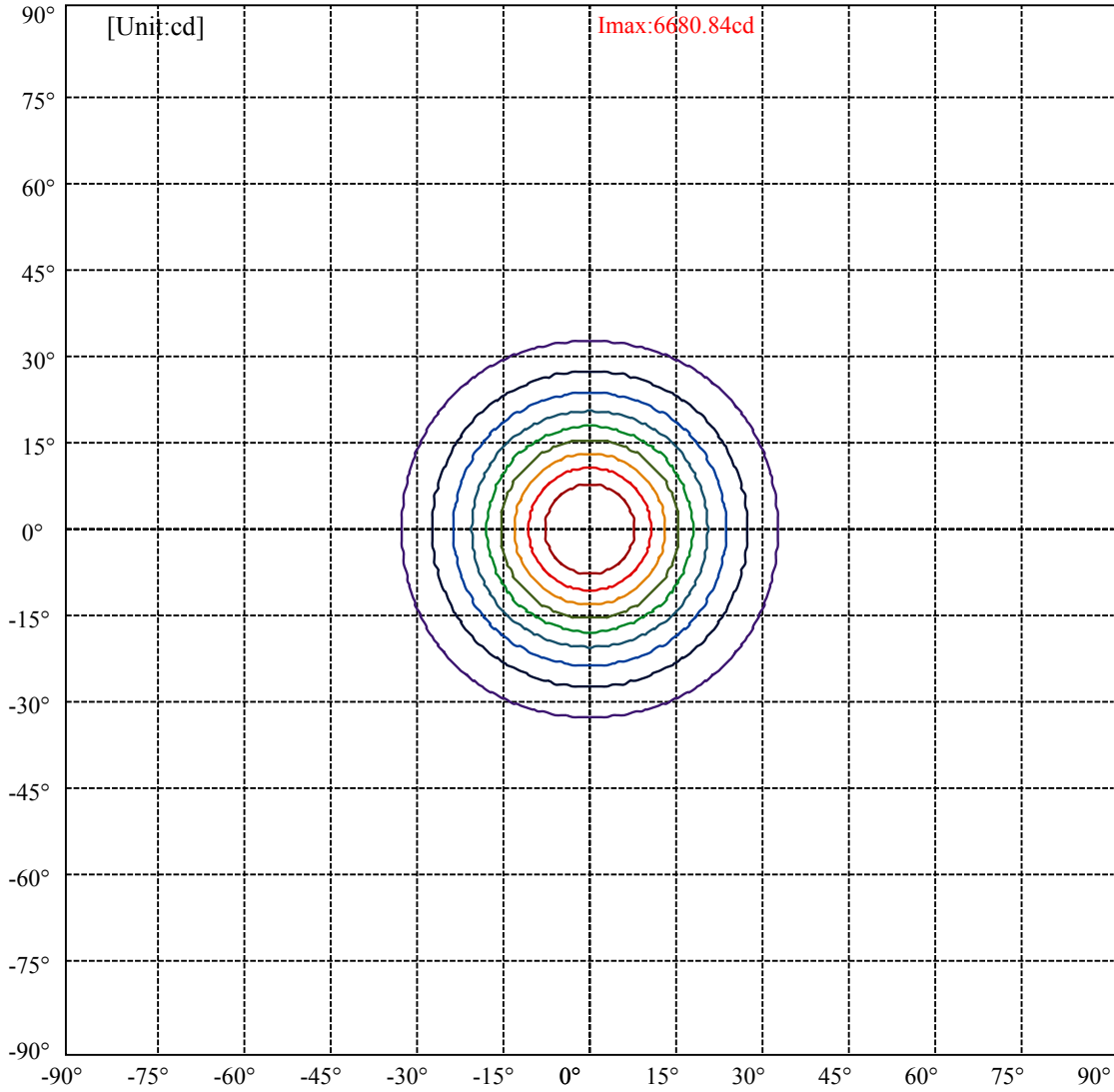
Field angle(10%Imax):C0/180Left:32.3 Right:32.3

:C90/270Left:32.3 Right:32.3

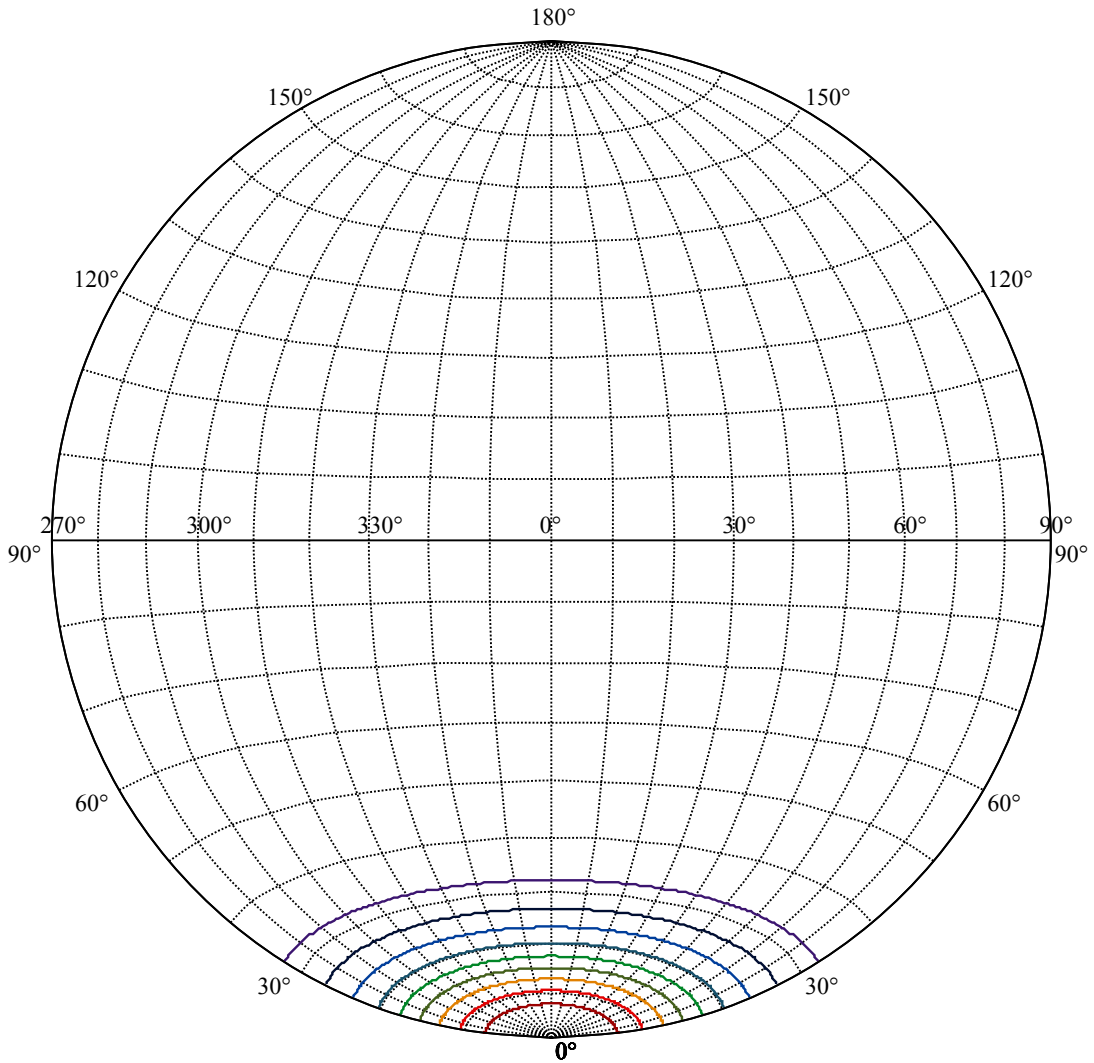
Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6

:C90/270Left:17.6 Right:17.6





(10%Imax) 668.084	—
(20%Imax) 1336.17	—
(30%Imax) 2004.25	—
(40%Imax) 2672.34	—
(50%Imax) 3340.42	—
(60%Imax) 4008.51	—
(70%Imax) 4676.59	—
(80%Imax) 5344.67	—
(90%Imax) 6012.76	—



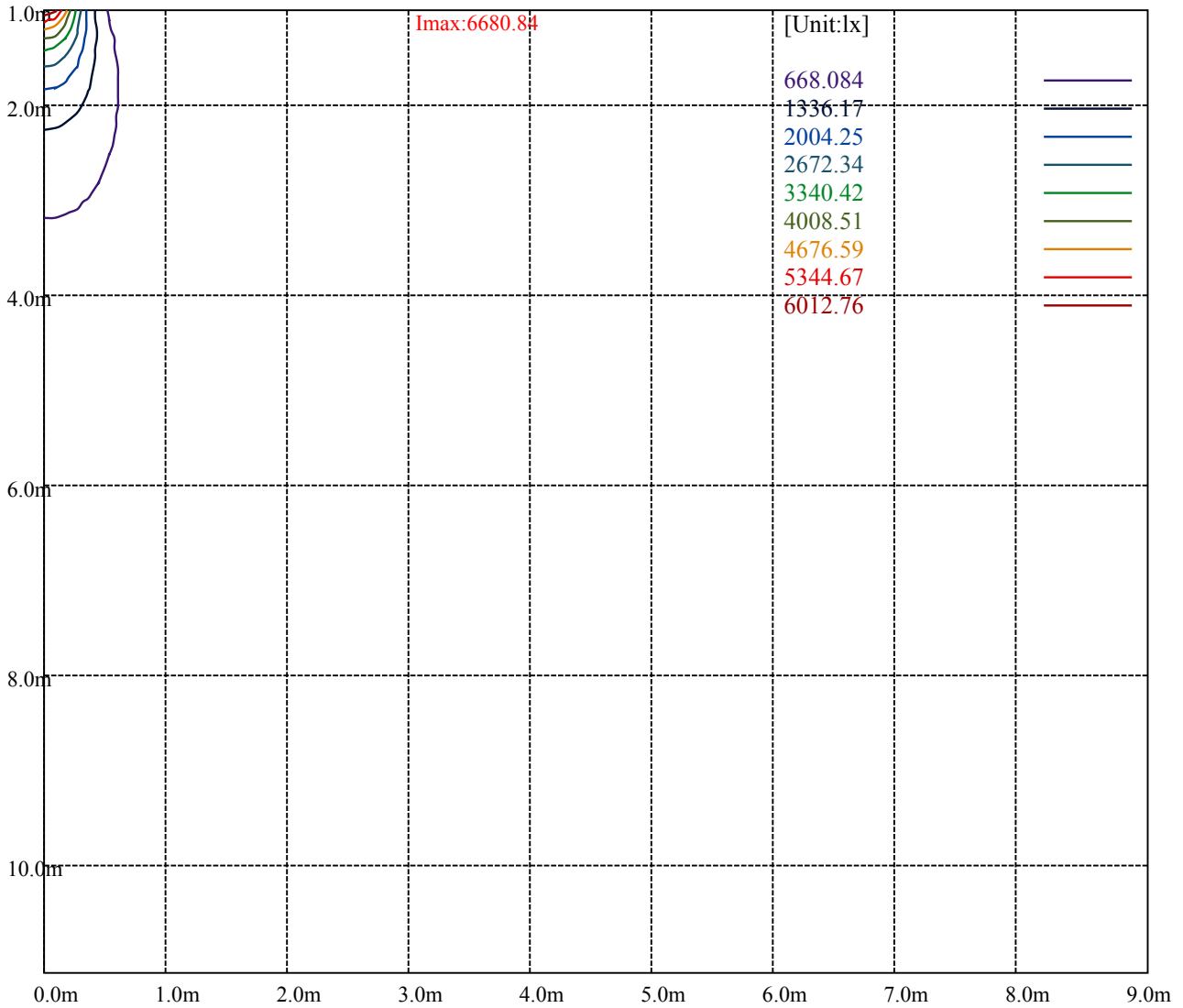
House

[Unit:cd]

Road

Imax:6680.84

(10%Imax) 668.084	—
(20%Imax) 1336.17	—
(30%Imax) 2004.25	—
(40%Imax) 2672.34	—
(50%Imax) 3340.42	—
(60%Imax) 4008.51	—
(70%Imax) 4676.59	—
(80%Imax) 5344.67	—
(90%Imax) 6012.76	—



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

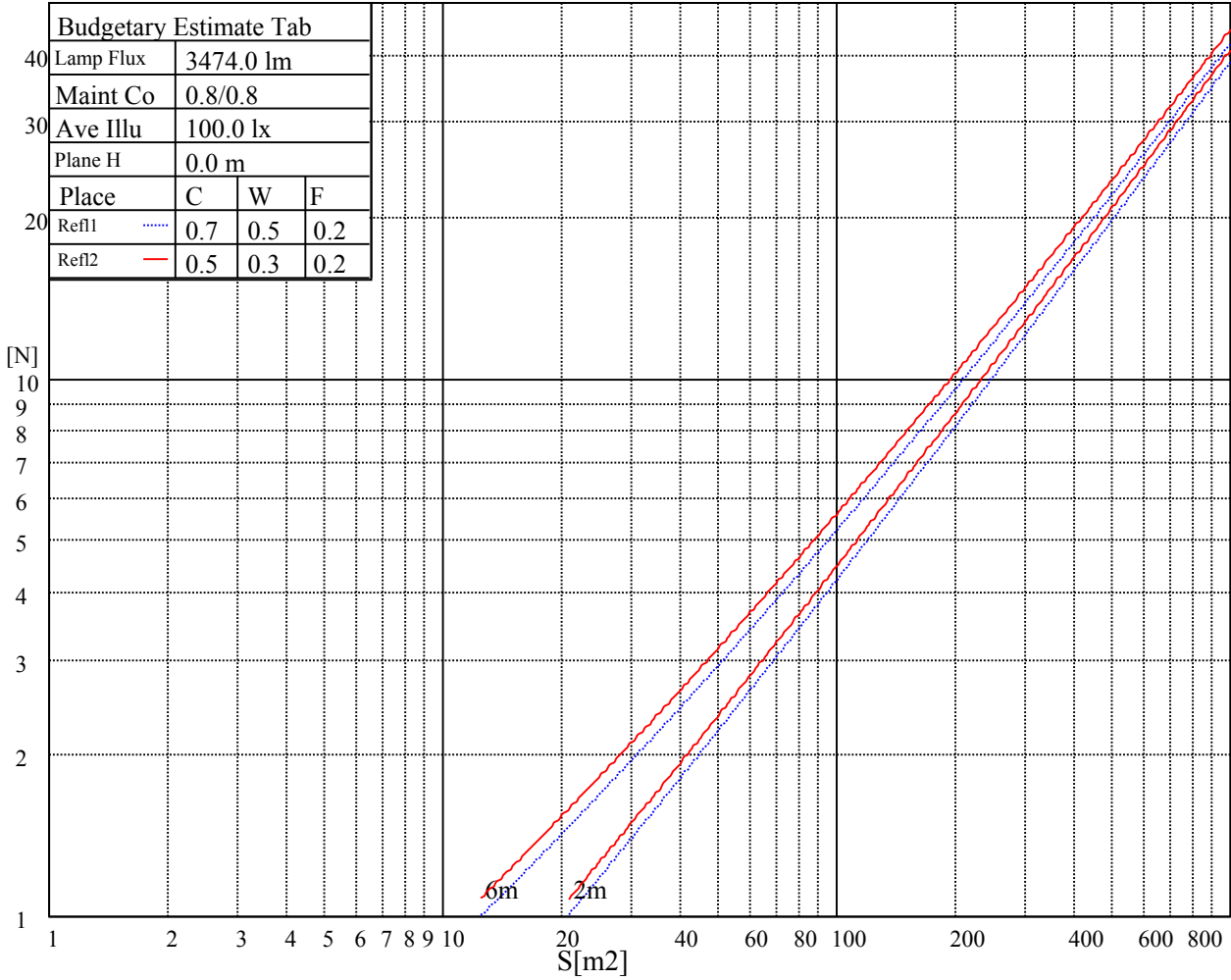
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

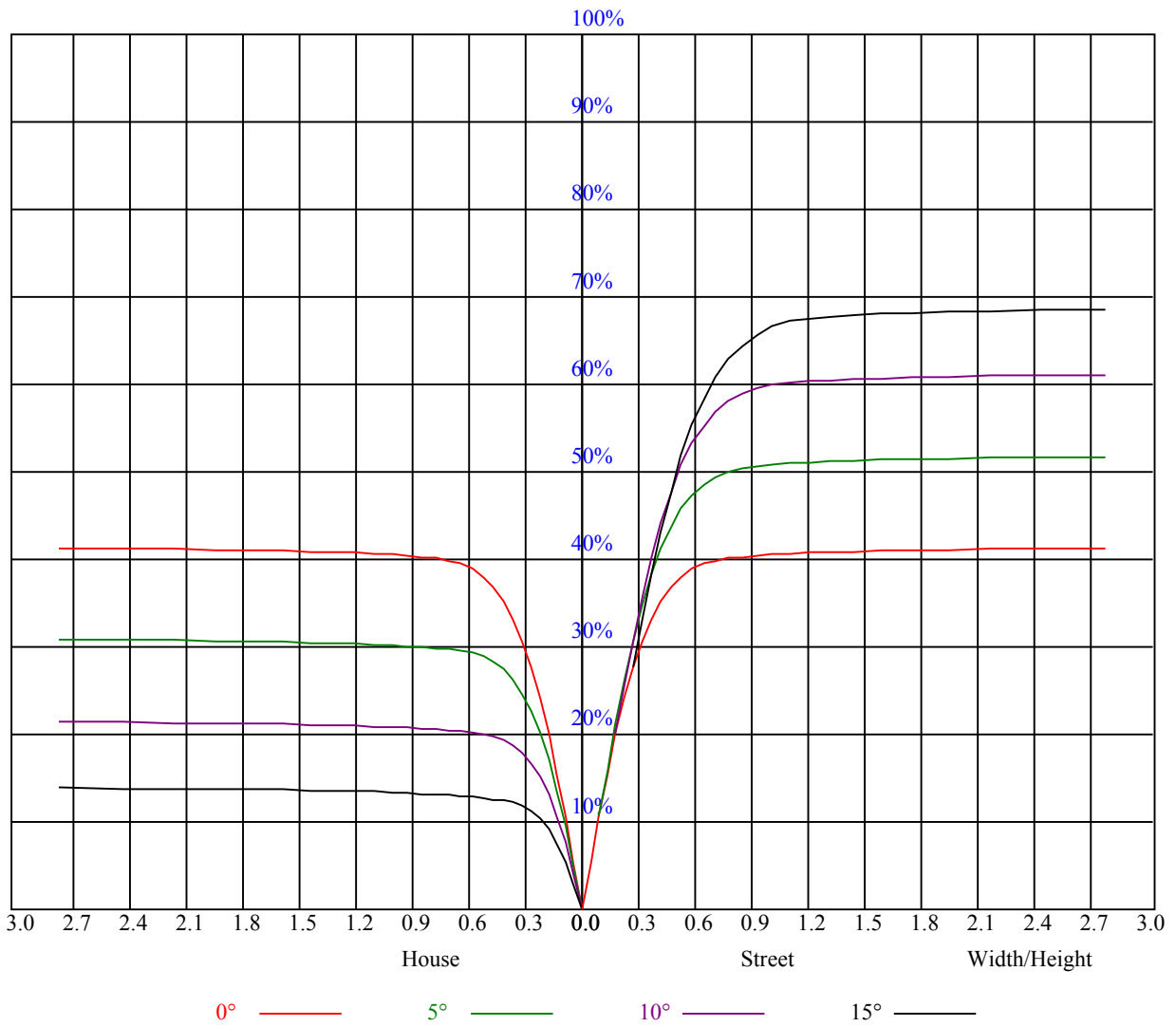


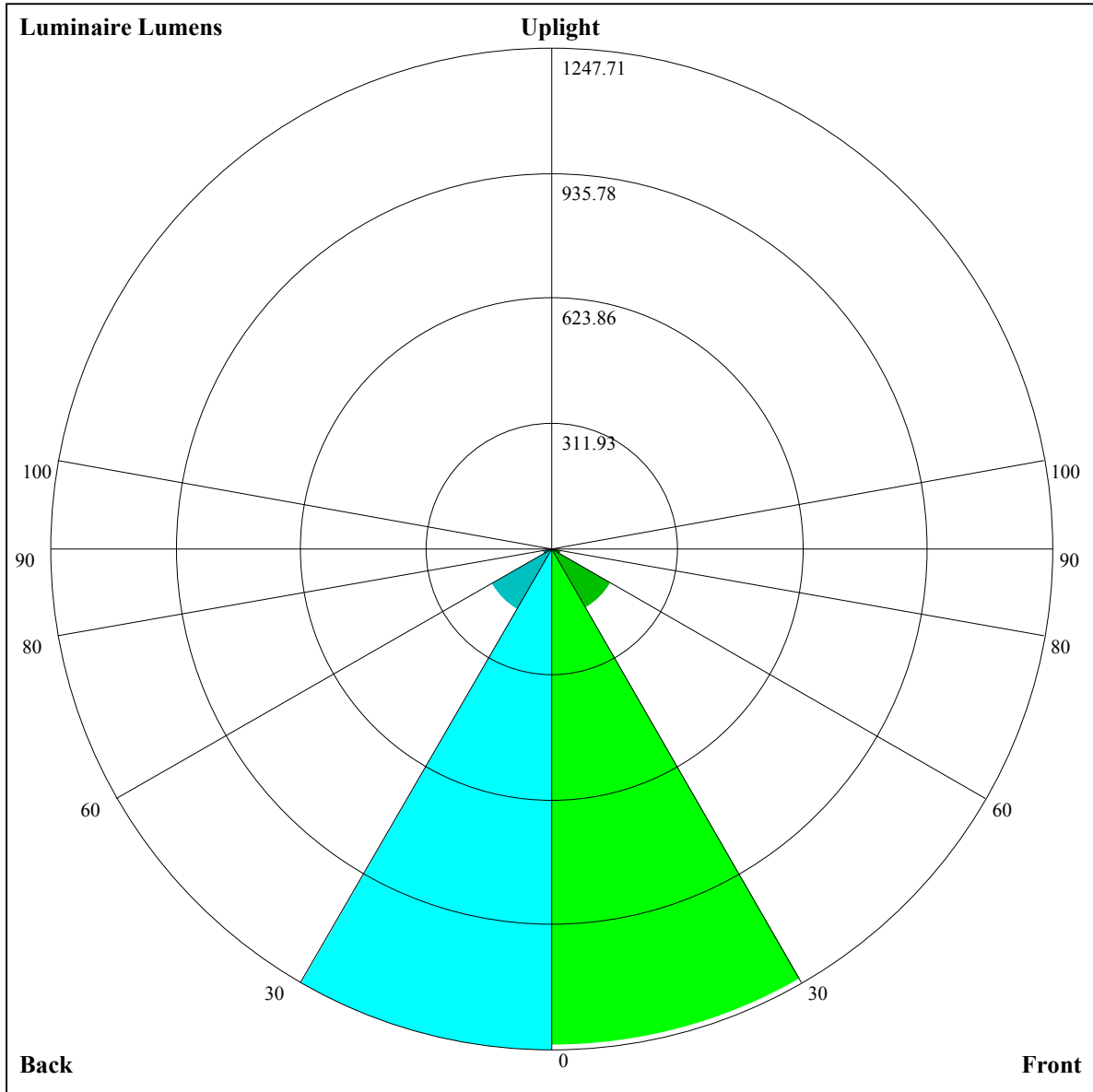
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.78
2	0.87	0.84	0.81	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.76	0.74
3	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.69	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.64	0.62	0.67	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.56	0.55
9	0.62	0.58	0.55	0.61	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=1238.23,FM=169.97,FH=24.28,FVH=7.56

BL=1247.71,BM=172.96,BH=23.97,BVH=7.34

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	6680.40	6635.92	6588.52	6528.83	6444.56	6347.99	6215.15	6054.21	5818.95
45.0	6682.16	6689.77	6664.60	6629.49	6562.77	6490.20	6400.66	6233.88	6062.99
90.0	6689.18	6678.06	6640.61	6587.35	6503.08	6377.26	6244.99	6080.55	5843.53
135.0	6671.62	6683.91	6675.72	6632.41	6586.77	6495.47	6388.96	6252.60	6045.43
180.0	6680.40	6689.77	6666.94	6634.75	6573.31	6501.32	6374.91	6243.24	6082.89
225.0	6682.16	6650.56	6592.62	6534.10	6458.02	6361.45	6185.30	6011.49	5806.66
270.0	6689.18	6684.50	6651.14	6597.30	6542.29	6470.89	6385.45	6227.44	6066.50
315.0	6671.62	6623.05	6582.67	6525.90	6463.28	6346.82	6224.51	6064.75	5880.98
360.0	6680.40	6635.92	6588.52	6528.83	6444.56	6347.99	6215.15	6054.21	5818.95
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5601.83	5371.84	5061.08	4800.07	4540.82	4210.75	3946.23	3680.54	3353.98
45.0	5871.04	5659.18	5373.59	5126.04	4873.23	4612.22	4286.25	4027.58	3769.49
90.0	5624.66	5326.78	5069.86	4810.02	4547.26	4219.53	3959.69	3702.19	3451.13
135.0	5854.65	5639.29	5401.69	5090.93	4825.82	4563.64	4293.27	3952.08	3679.95
180.0	5844.12	5625.83	5386.47	5131.90	4803.00	4531.46	4259.33	3983.10	3643.67
225.0	5583.69	5281.71	5026.56	4760.28	4493.42	4154.57	3880.69	3544.18	3275.56
270.0	5880.40	5606.51	5368.91	5044.70	4773.15	4496.34	4217.19	3878.34	3609.73
315.0	5603.59	5361.89	5113.17	4784.27	4512.14	4239.43	3900.58	3633.72	3369.20
360.0	5601.83	5371.84	5061.08	4800.07	4540.82	4210.75	3946.23	3680.54	3353.98
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3107.60	2871.76	2644.69	2426.99	2178.85	1991.58	1779.14	1619.96	1483.60
45.0	3446.45	3195.97	2954.86	2666.93	2450.40	2251.42	2019.67	1847.03	1684.34
90.0	3147.98	2909.80	2681.56	2469.12	2222.16	2041.91	1824.20	1660.93	1511.11
135.0	3416.02	3100.58	2865.91	2641.76	2379.00	2184.70	2008.55	1791.43	1628.15
180.0	3375.05	3108.77	2812.06	2593.19	2314.62	2130.86	1954.71	1787.92	1597.14
225.0	3019.82	2723.70	2500.72	2299.41	2112.72	1895.60	1733.49	1574.90	1443.81
270.0	3340.52	3070.15	2778.12	2561.00	2333.94	2161.88	1936.57	1775.63	1622.89
315.0	3049.67	2816.16	2593.19	2387.19	2148.42	1973.44	1807.82	1648.64	1472.48
360.0	3107.60	2871.76	2644.69	2426.99	2178.85	1991.58	1779.14	1619.96	1483.60
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1156.23	1156.23	1090.04	916.58	782.15	649.83	528.11	383.15	278.27
45.0	1528.67	1375.34	1258.88	1133.05	992.60	824.06	691.21	567.14	420.84
90.0	1164.48	1164.48	1094.84	961.35	790.17	658.14	533.14	414.46	282.20
135.0	1480.68	1356.61	1203.28	1062.83	925.30	788.36	630.35	511.55	397.43
180.0	1449.08	1333.79	1209.72	1031.22	881.99	748.56	612.79	466.48	357.05
225.0	1141.13	1141.13	1030.11	857.12	720.41	590.90	443.54	337.85	244.62
270.0	1452.00	1337.30	1195.09	1049.37	912.42	773.73	606.35	484.04	368.75
315.0	1140.19	1140.19	1072.72	931.80	794.44	629.59	509.67	395.03	266.63
360.0	1156.23	1156.23	1090.04	916.58	782.15	649.83	528.11	383.15	278.27
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	190.67	132.55	106.28	96.74	89.07	81.40	76.20	71.69	66.95
45.0	314.32	314.32	136.24	112.54	102.88	92.70	86.20	80.64	75.79
90.0	196.34	137.64	109.44	100.07	92.17	84.04	78.65	73.86	68.53
135.0	318.42	318.42	133.61	111.49	101.60	93.64	85.44	79.94	75.14
180.0	309.06	309.06	128.87	113.53	101.19	93.23	84.92	79.42	74.56
225.0	154.73	118.74	106.45	97.62	88.72	82.75	77.66	73.15	68.18
270.0	316.67	316.67	117.86	100.66	90.12	83.39	78.01	72.33	68.41
315.0	182.53	126.64	103.53	92.29	84.97	79.06	74.09	68.94	65.19
360.0	190.67	132.55	106.28	96.74	89.07	81.40	76.20	71.69	66.95

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	63.50	60.45	57.35	55.13	53.14	50.80	49.22	47.64	46.17
45.0	70.52	66.83	63.44	59.81	57.35	55.01	52.49	50.80	49.16
90.0	64.78	61.57	58.76	55.54	53.37	51.44	49.69	47.64	46.12
135.0	70.81	66.07	62.79	59.81	57.35	54.54	52.55	50.56	48.87
180.0	70.17	65.49	62.62	59.81	57.53	54.78	52.85	51.09	48.75
225.0	64.78	60.98	58.46	56.36	53.67	51.91	50.21	47.99	46.29
270.0	64.90	61.04	58.46	56.12	53.72	51.97	50.33	48.81	46.82
315.0	61.10	58.35	55.89	53.26	51.32	49.63	47.81	46.23	44.71
360.0	63.50	60.45	57.35	55.13	53.14	50.80	49.22	47.64	46.17
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	44.42	42.78	41.08	39.50	37.22	35.46	33.83	31.66	30.31
45.0	47.05	45.59	44.13	41.96	40.26	38.45	36.58	34.53	32.71
90.0	44.65	42.84	41.08	38.86	37.04	35.29	33.24	31.43	29.85
135.0	47.11	45.41	43.72	41.73	39.50	37.57	35.70	33.94	31.60
180.0	47.05	45.35	42.96	41.14	39.44	36.87	35.23	33.59	31.78
225.0	44.59	42.78	40.50	38.51	36.58	35.11	33.01	31.31	29.96
270.0	45.30	43.77	42.14	39.91	38.22	35.87	34.29	32.71	31.02
315.0	43.31	41.73	39.50	37.98	36.11	34.06	32.48	30.72	29.03
360.0	44.42	42.78	41.08	39.50	37.22	35.46	33.83	31.66	30.31
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.03	27.27	26.16	25.22	23.88	22.94	22.82	23.00	23.00
45.0	31.02	29.50	28.32	27.51	27.10	27.45	28.21	29.32	30.61
90.0	28.62	27.04	25.81	24.87	23.99	22.82	22.12	21.54	20.89
135.0	30.02	28.68	27.27	25.75	24.76	23.41	22.47	21.71	20.72
180.0	29.96	28.56	27.10	25.93	24.70	23.70	22.82	22.41	21.89
225.0	28.32	26.98	26.28	26.22	26.34	27.27	29.09	29.32	28.15
270.0	29.26	27.97	26.51	25.28	24.35	23.23	22.30	21.30	20.60
315.0	27.80	25.98	24.87	23.99	23.06	21.77	21.07	20.25	19.43
360.0	29.03	27.27	26.16	25.22	23.88	22.94	22.82	23.00	23.00
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.65	22.36	22.24	22.00	21.89	21.89	21.95	21.54	19.66
45.0	29.85	28.62	28.03	26.80	25.52	24.93	23.53	22.71	21.36
90.0	20.31	19.84	19.20	18.61	18.08	17.44	16.85	16.33	15.74
135.0	19.78	19.08	18.43	17.73	17.21	16.68	16.27	15.74	15.39
180.0	20.95	20.37	19.90	19.43	18.73	18.38	18.08	17.62	16.09
225.0	27.04	26.34	25.16	24.05	23.29	22.36	21.07	19.66	16.80
270.0	19.78	19.08	18.61	18.20	17.62	17.26	16.85	16.27	15.92
315.0	18.55	17.91	17.32	16.80	16.27	15.86	15.39	15.04	14.63
360.0	22.65	22.36	22.24	22.00	21.89	21.89	21.95	21.54	19.66
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.02	15.16	14.10	13.69	13.34	12.99	12.41	12.23	11.94
45.0	20.37	19.08	15.57	14.28	13.81	13.28	12.87	12.41	12.17
90.0	15.22	14.69	14.28	13.64	13.17	12.70	12.47	12.17	12.00
135.0	15.04	14.51	13.99	13.58	13.23	12.76	12.52	12.23	12.82
180.0	15.04	14.51	14.10	13.64	13.11	12.70	12.52	12.17	12.00
225.0	14.63	14.05	13.64	13.17	12.64	12.47	12.23	12.17	12.06
270.0	15.45	15.04	14.57	13.81	13.28	12.70	12.41	12.17	11.94
315.0	14.22	13.93	13.52	13.23	12.87	12.47	12.23	12.47	11.94
360.0	18.02	15.16	14.10	13.69	13.34	12.99	12.41	12.23	11.94

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	12.11
45.0	11.94
90.0	12.11
135.0	12.11
180.0	12.35
225.0	12.11
270.0	12.23
315.0	12.23
360.0	12.11