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NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.411.00

Report No: 2024403-B007

Ballast type: AC

Test No: 2024403-C007

Voltage(V): 34.400

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.883

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2858.74, Efficiency(%): 83.15% , Luminous Efficacy(lm/W): 143.78

Central intensity(cd): 6400.080, Maximum intensity(cd): 6400.080

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.61 C90_270=0.61

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.15%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.167%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
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	6400.079	0.000	0	0.00%	0.00%
1.0	6383.985	6.117	6.117	0.18%	0.21%
2.0	6357.431	18.288	24.405	0.53%	0.85%
3.0	6310.979	30.299	54.703	0.88%	1.91%
4.0	6245.580	42.031	96.734	1.22%	3.38%
5.0	6143.458	53.297	150.031	1.55%	5.25%
6.0	6010.027	63.870	213.901	1.86%	7.48%
7.0	5868.329	73.729	287.63	2.14%	10.06%
8.0	5699.711	82.790	370.42	2.41%	12.96%
9.0	5509.294	90.843	461.263	2.64%	16.14%
10.0	5288.737	97.718	558.981	2.84%	19.55%
11.0	5080.031	103.605	662.586	3.01%	23.18%
12.0	4843.893	108.483	771.069	3.16%	26.97%
13.0	4599.415	112.068	883.137	3.26%	30.89%
14.0	4347.915	114.525	997.662	3.33%	34.90%
15.0	4101.827	116.002	1113.664	3.37%	38.96%
16.0	3840.671	116.380	1230.044	3.39%	43.03%
17.0	3591.292	115.736	1345.78	3.37%	47.08%
18.0	3331.598	114.143	1459.923	3.32%	51.07%
19.0	3084.267	111.623	1571.546	3.25%	54.97%
20.0	2828.085	108.212	1679.758	3.15%	58.76%
21.0	2574.024	103.731	1783.49	3.02%	62.39%
22.0	2337.374	98.697	1882.187	2.87%	65.84%
23.0	2115.720	93.438	1975.624	2.72%	69.11%
24.0	1902.552	87.854	2063.478	2.56%	72.18%
25.0	1712.793	82.205	2145.683	2.39%	75.06%
26.0	1498.556	75.804	2221.488	2.20%	77.71%
27.0	1289.104	68.201	2289.688	1.98%	80.09%
28.0	1193.223	62.847	2352.536	1.83%	82.29%
29.0	1063.215	59.035	2411.57	1.72%	84.36%
30.0	928.313	53.771	2465.341	1.56%	86.24%
31.0	796.096	47.988	2513.329	1.40%	87.92%
32.0	687.200	42.495	2555.824	1.24%	89.40%
33.0	578.217	37.280	2593.103	1.08%	90.71%
34.0	481.391	32.067	2625.17	0.93%	91.83%
35.0	398.933	27.340	2652.51	0.80%	92.79%
36.0	325.897	23.079	2675.589	0.67%	93.59%
37.0	278.084	19.698	2695.287	0.57%	94.28%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	231.449	17.008	2712.295	0.49%	94.88%
39.0	171.881	13.767	2726.061	0.40%	95.36%
40.0	125.545	10.373	2736.435	0.30%	95.72%
41.0	97.952	7.959	2744.393	0.23%	96.00%
42.0	80.739	6.492	2750.885	0.19%	96.23%
43.0	67.294	5.484	2756.369	0.16%	96.42%
44.0	58.566	4.750	2761.119	0.14%	96.59%
45.0	51.763	4.240	2765.359	0.12%	96.73%
46.0	46.767	3.853	2769.213	0.11%	96.87%
47.0	42.824	3.563	2772.776	0.10%	96.99%
48.0	39.473	3.327	2776.103	0.10%	97.11%
49.0	36.701	3.128	2779.231	0.09%	97.22%
50.0	34.309	2.961	2782.192	0.09%	97.32%
51.0	32.217	2.815	2785.006	0.08%	97.42%
52.0	30.468	2.690	2787.696	0.08%	97.52%
53.0	28.925	2.584	2790.28	0.08%	97.61%
54.0	27.571	2.490	2792.77	0.07%	97.69%
55.0	26.394	2.409	2795.179	0.07%	97.78%
56.0	25.348	2.338	2797.517	0.07%	97.86%
57.0	24.440	2.276	2799.793	0.07%	97.94%
58.0	23.672	2.225	2802.018	0.06%	98.02%
59.0	22.985	2.181	2804.199	0.06%	98.09%
60.0	22.356	2.142	2806.341	0.06%	98.17%
61.0	21.865	2.110	2808.452	0.06%	98.24%
62.0	21.368	2.083	2810.535	0.06%	98.31%
63.0	20.951	2.058	2812.593	0.06%	98.39%
64.0	20.549	2.036	2814.629	0.06%	98.46%
65.0	20.176	2.015	2816.645	0.06%	98.53%
66.0	19.788	1.994	2818.639	0.06%	98.60%
67.0	19.488	1.975	2820.614	0.06%	98.67%
68.0	19.217	1.961	2822.574	0.06%	98.74%
69.0	19.005	1.950	2824.524	0.06%	98.80%
70.0	18.749	1.939	2826.463	0.06%	98.87%
71.0	18.369	1.918	2828.382	0.06%	98.94%
72.0	17.996	1.891	2830.273	0.05%	99.00%
73.0	17.623	1.863	2832.135	0.05%	99.07%
74.0	17.198	1.831	2833.966	0.05%	99.13%
75.0	16.803	1.797	2835.762	0.05%	99.20%

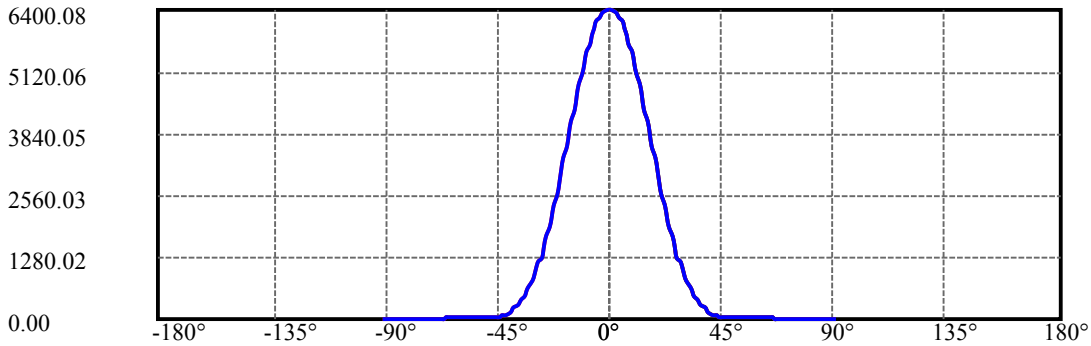
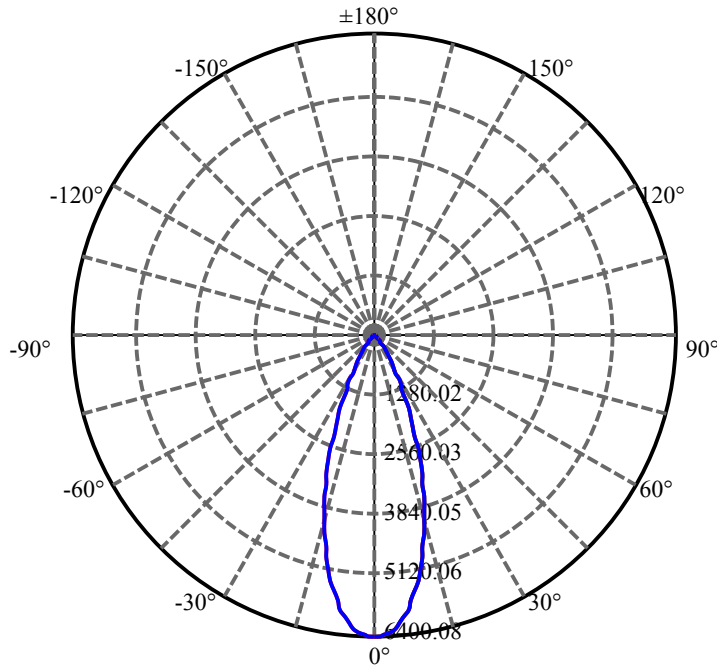
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.379	1.761	2837.524	0.05%	99.26%
77.0	16.013	1.727	2839.251	0.05%	99.32%
78.0	15.647	1.695	2840.946	0.05%	99.38%
79.0	15.326	1.664	2842.61	0.05%	99.44%
80.0	14.982	1.634	2844.244	0.05%	99.49%
81.0	14.550	1.597	2845.841	0.05%	99.55%
82.0	14.089	1.553	2847.394	0.05%	99.60%
83.0	13.760	1.514	2848.908	0.04%	99.66%
84.0	13.489	1.484	2850.392	0.04%	99.71%
85.0	13.182	1.456	2851.848	0.04%	99.76%
86.0	12.912	1.426	2853.274	0.04%	99.81%
87.0	12.619	1.397	2854.671	0.04%	99.86%
88.0	12.414	1.371	2856.043	0.04%	99.91%
89.0	12.246	1.352	2857.394	0.04%	99.95%
90.0	12.209	1.341	2858.735	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2465.34	71.71%	86.24%
0-40	2736.43	79.59%	95.72%
0-60	2806.34	81.63%	98.17%
0-90	2857.39	83.11%	99.95%
0-120	2857.39	83.11%	99.95%
0-180	2858.74	83.15%	100.00%
60-90	51.05	1.48%	1.79%
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%
0-26.96	2286.99	66.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	558.98
10-20	1120.78
20-30	785.58
30-40	271.09
40-50	45.76
50-60	24.15
60-70	20.12
70-80	17.78
80-90	13.15
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



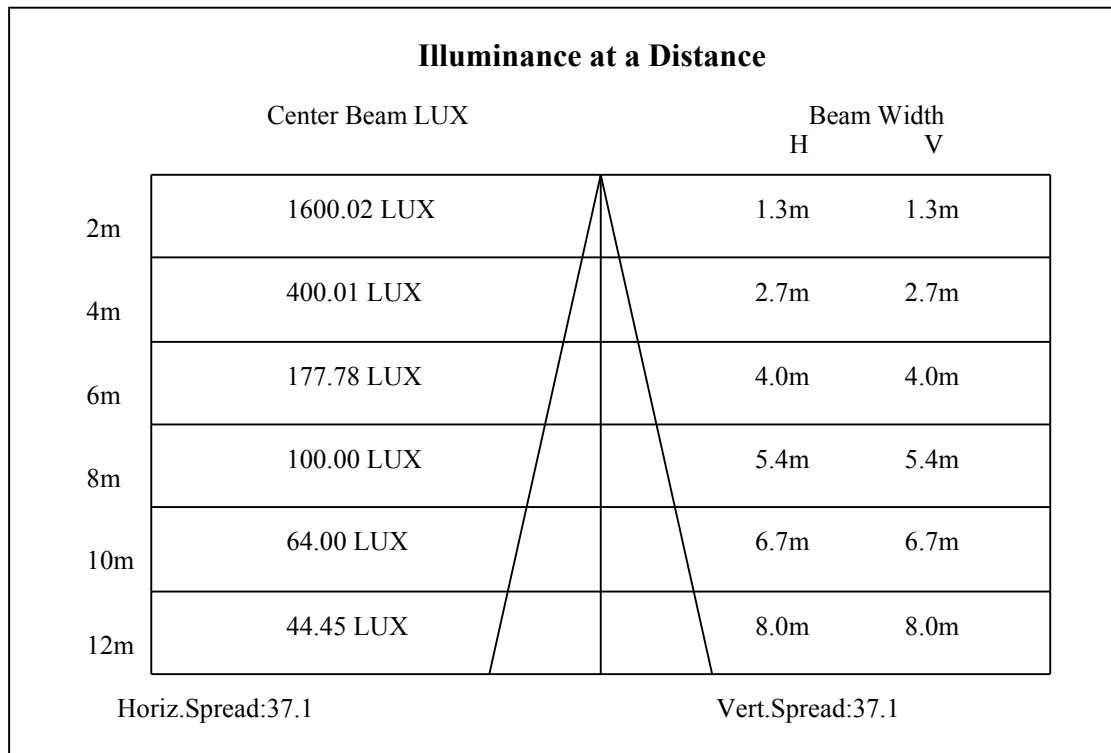
C0(Max): —————

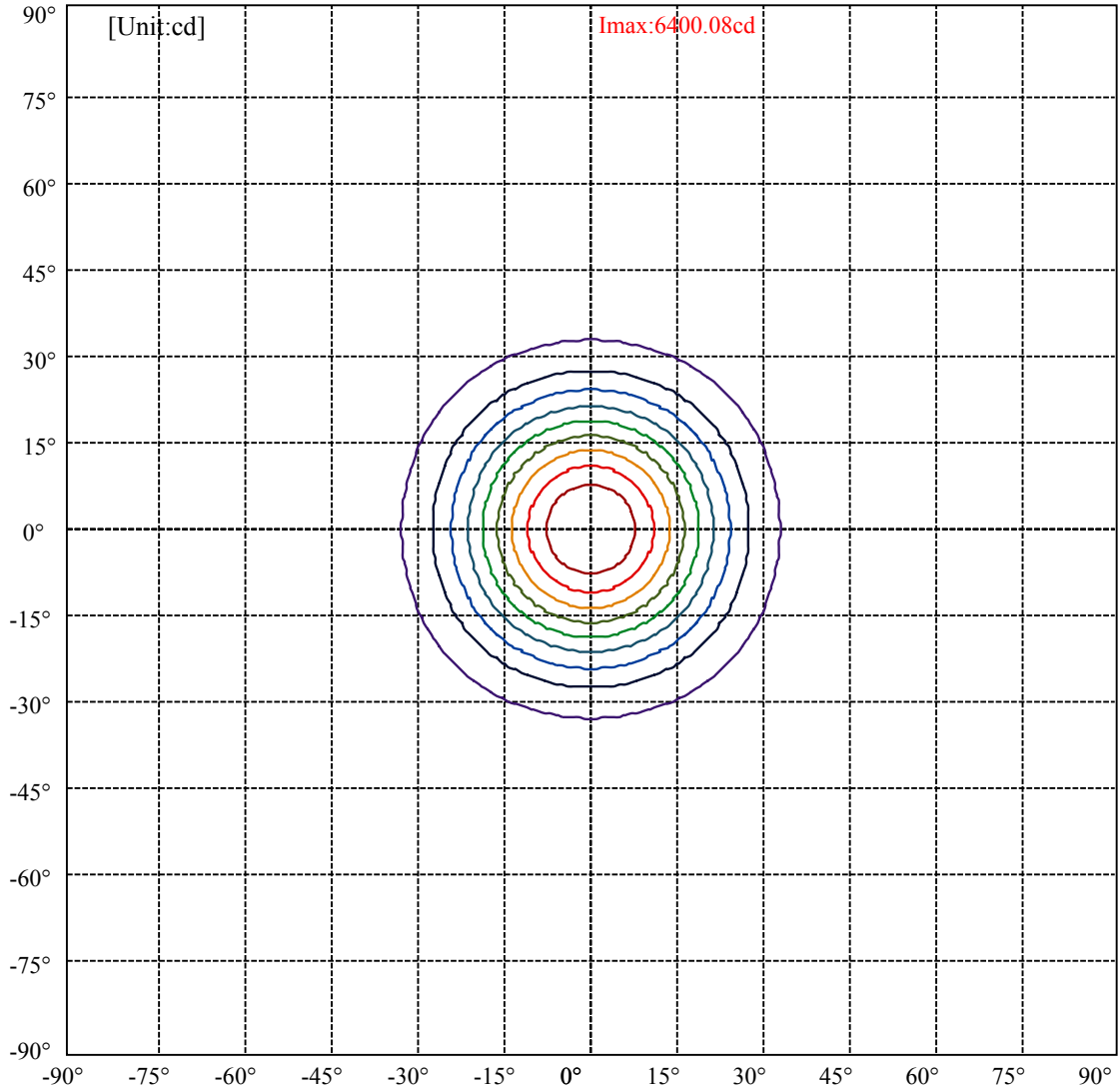
C0/C180: —————

C90/C270: —————

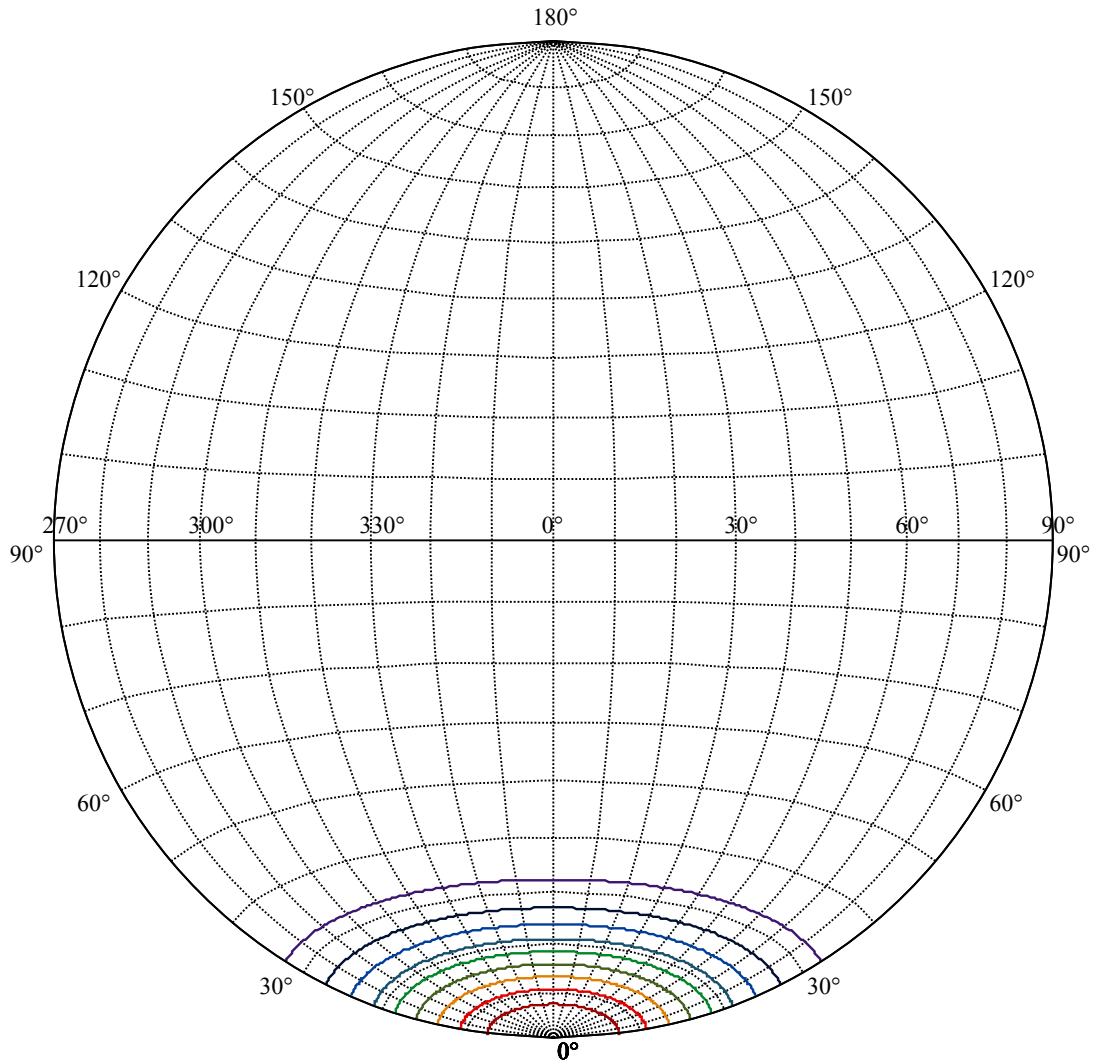
Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5





(10%Imax) 640.008	—
(20%Imax) 1280.02	—
(30%Imax) 1920.02	—
(40%Imax) 2560.03	—
(50%Imax) 3200.04	—
(60%Imax) 3840.05	—
(70%Imax) 4480.06	—
(80%Imax) 5120.06	—
(90%Imax) 5760.07	—



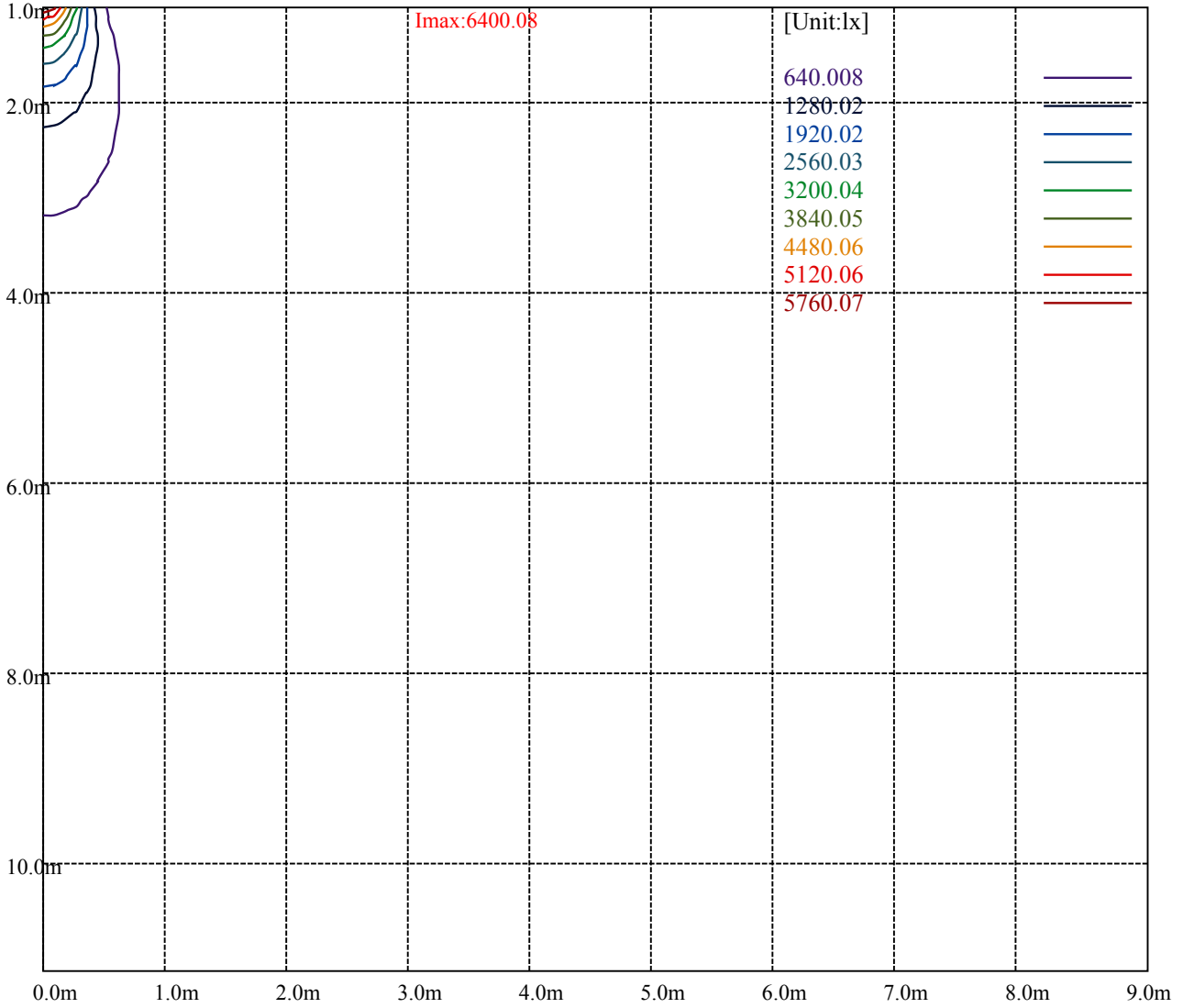
House

[Unit:cd]

Road

Imax:6400.08

(10%Imax) 640.008	—
(20%Imax) 1280.02	—
(30%Imax) 1920.02	—
(40%Imax) 2560.03	—
(50%Imax) 3200.04	—
(60%Imax) 3840.05	—
(70%Imax) 4480.06	—
(80%Imax) 5120.06	—
(90%Imax) 5760.07	—



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

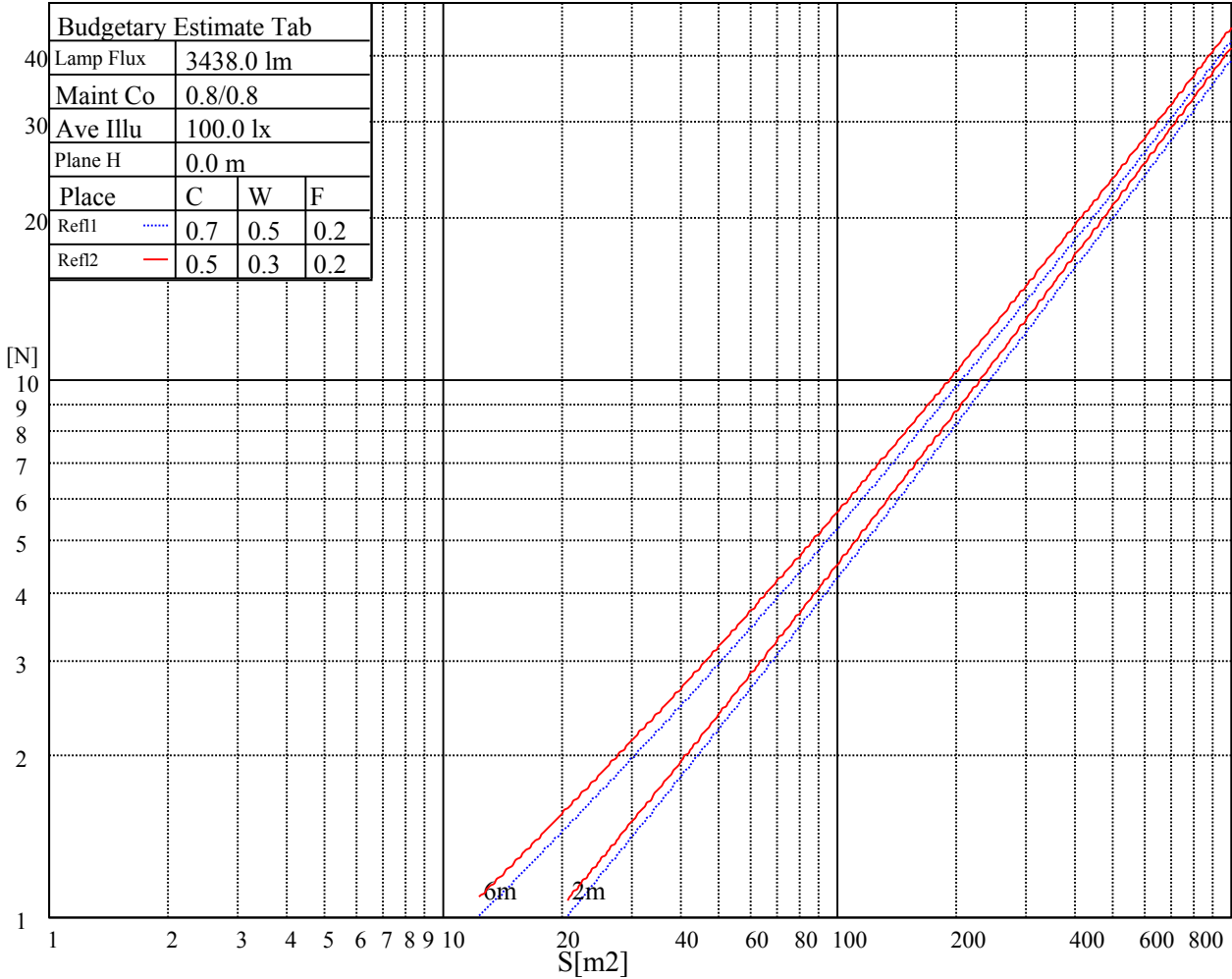
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

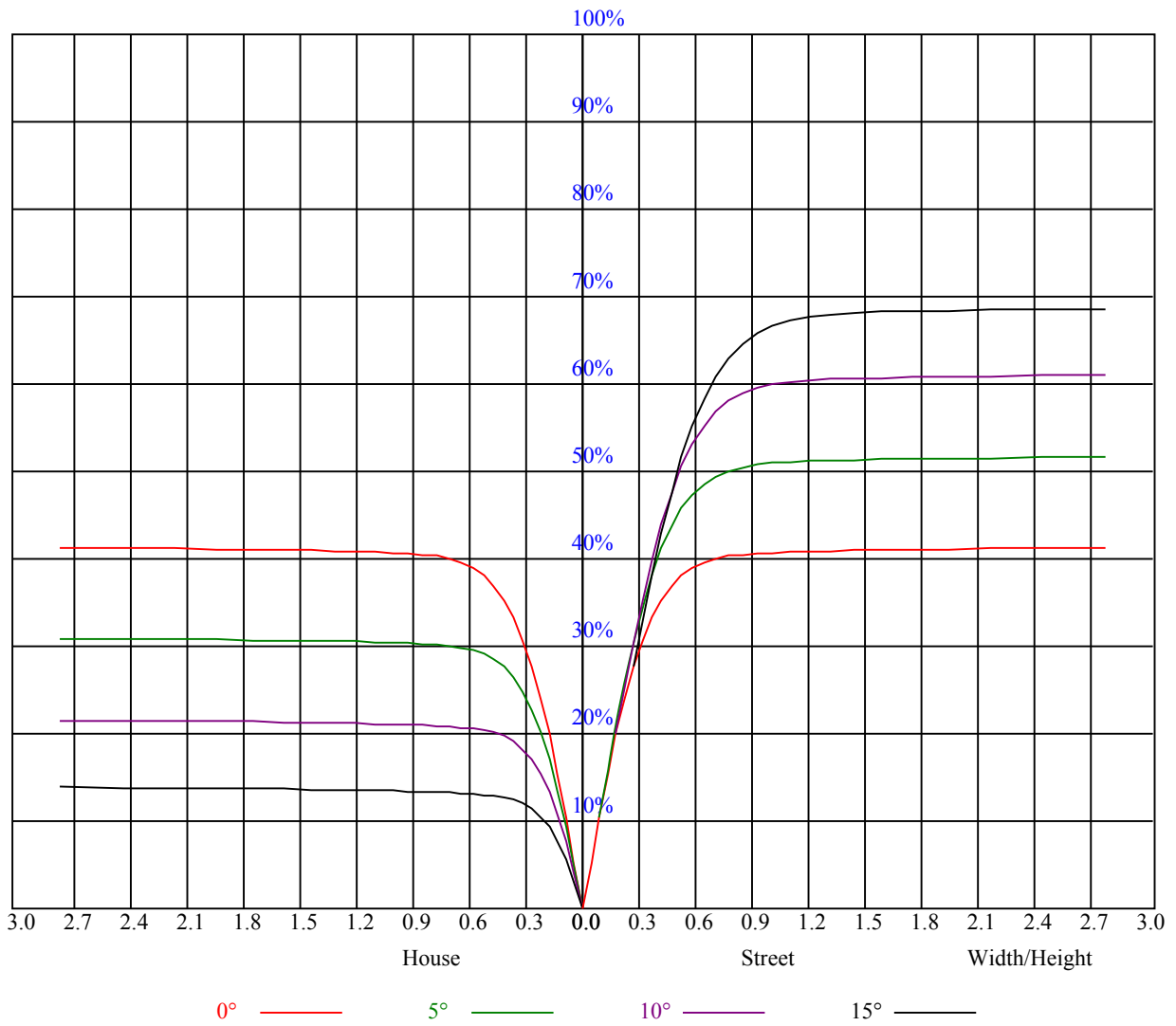


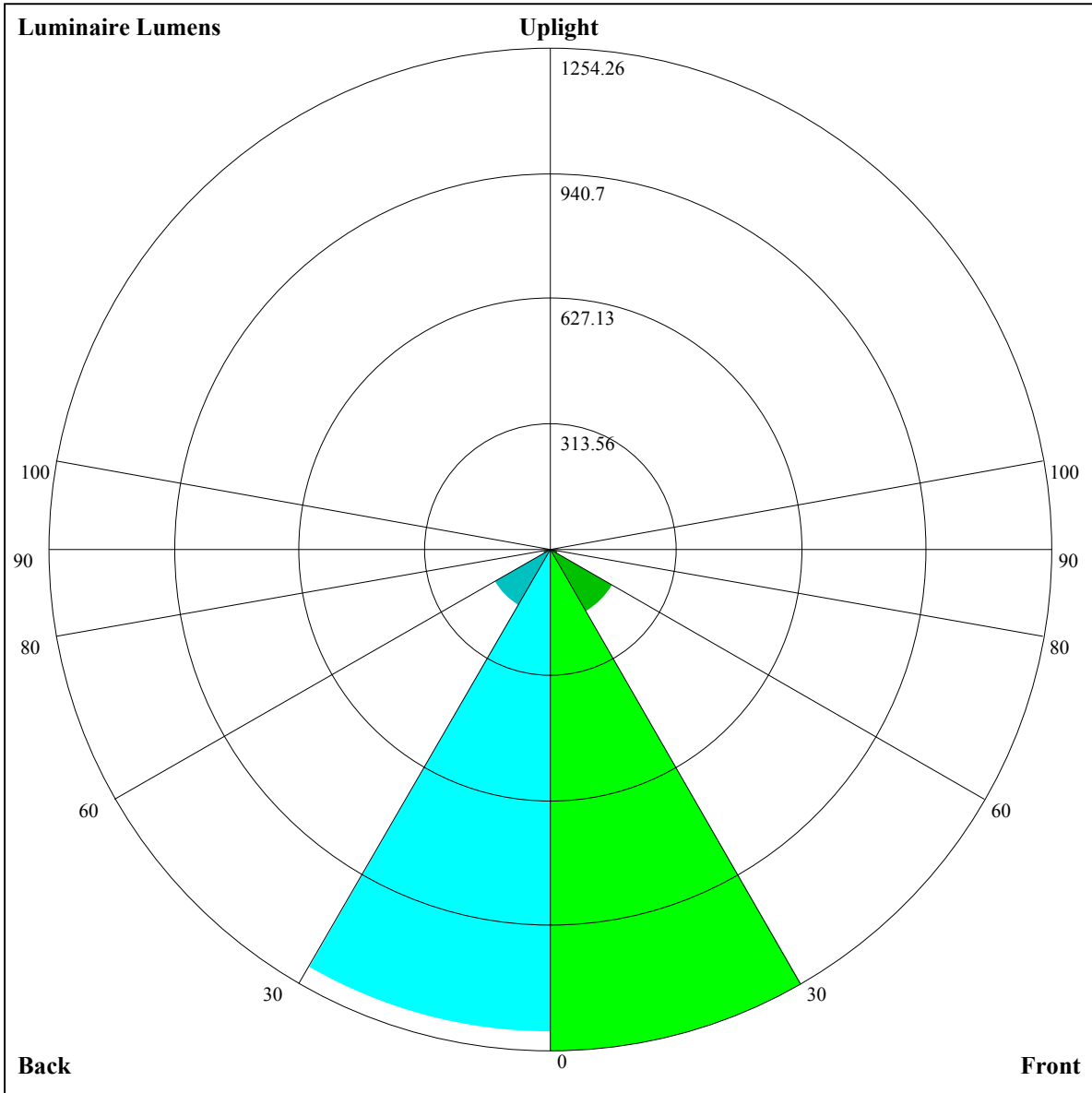
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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 RHOF=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.78
2	0.87	0.84	0.82	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	0.69	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	0.65	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	0.56
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=1254.26,FM=180.27,FH=18.64,FVH=7.26

BL=1209.73,BM=163.44,BH=19.03,BVH=7.23

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	6405.93	6403.59	6387.79	6353.85	6265.48	6166.57	6036.65	5909.66	5758.09
45.0	6396.57	6394.81	6396.57	6360.87	6315.81	6252.02	6122.68	6002.13	5830.66
90.0	6394.23	6367.31	6307.03	6247.92	6178.28	6048.36	5881.57	5735.85	5578.42
135.0	6403.59	6381.94	6360.28	6291.81	6240.31	6161.89	6033.73	5867.52	5710.10
180.0	6405.93	6383.69	6347.99	6300.01	6254.36	6132.05	6005.64	5860.50	5650.41
225.0	6396.57	6353.26	6309.37	6256.11	6165.99	6040.17	5879.81	5720.63	5549.16
270.0	6394.23	6403.59	6381.35	6357.94	6297.66	6219.24	6113.32	6005.64	5834.75
315.0	6403.59	6383.69	6369.06	6319.32	6246.75	6127.36	6006.81	5844.70	5686.10
360.0	6405.93	6403.59	6387.79	6353.85	6265.48	6166.57	6036.65	5909.66	5758.09
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5535.70	5345.50	5135.99	4937.02	4661.96	4429.04	4193.20	3957.35	3665.32
45.0	5673.81	5494.74	5305.12	5044.11	4831.09	4617.48	4389.83	4094.29	3850.84
90.0	5383.54	5133.65	4921.22	4687.71	4475.86	4179.15	3941.55	3641.91	3401.97
135.0	5542.14	5290.49	5081.57	4865.03	4584.13	4360.57	4122.38	3818.65	3580.47
180.0	5474.25	5210.32	4988.52	4763.79	4467.67	4244.11	3993.05	3749.60	3472.78
225.0	5290.49	5082.74	4866.20	4597.00	4359.98	4055.08	3820.41	3583.39	3340.52
270.0	5674.99	5488.30	5285.23	5018.95	4800.07	4572.42	4266.93	4026.99	3802.27
315.0	5499.42	5264.16	5056.40	4837.53	4614.56	4325.46	4087.27	3853.18	3616.16
360.0	5535.70	5345.50	5135.99	4937.02	4661.96	4429.04	4193.20	3957.35	3665.32
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3432.40	3196.56	2961.88	2673.95	2445.13	2173.00	1972.27	1785.58	1574.90
45.0	3622.60	3387.93	3093.56	2858.30	2572.71	2351.49	2143.15	1899.70	1721.21
90.0	3162.61	2868.25	2647.62	2419.96	2199.33	1945.93	1764.51	1599.48	1334.37
135.0	3348.13	3111.11	2817.33	2586.17	2364.95	2152.52	1906.72	1729.40	1559.68
180.0	3226.99	2984.12	2751.20	2459.17	2240.89	2037.23	1844.69	1629.91	1474.83
225.0	3044.98	2802.12	2565.10	2336.86	2068.83	1881.56	1705.99	1538.03	1154.36
270.0	3496.19	3244.55	2947.25	2702.63	2470.88	2250.25	1996.85	1807.82	1628.15
315.0	3318.87	3079.51	2840.74	2555.15	2336.28	2133.79	1886.24	1712.43	1540.96
360.0	3432.40	3196.56	2961.88	2673.95	2445.13	2173.00	1972.27	1785.58	1574.90
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1165.77	1165.77	1132.94	975.22	854.96	744.46	639.01	521.44	437.81
45.0	1555.59	1396.99	1223.18	1091.50	968.02	852.15	716.37	613.96	521.49
90.0	1157.58	1124.04	997.46	876.90	735.34	629.94	511.08	426.69	351.49
135.0	1363.63	1218.50	1052.88	928.23	811.77	704.08	578.26	488.72	408.55
180.0	1288.14	1150.61	1014.25	858.58	745.05	638.54	541.98	437.81	367.58
225.0	1154.36	1053.46	894.75	774.95	640.76	543.26	458.06	382.97	301.16
270.0	1461.95	1270.58	1127.79	990.84	832.25	714.62	608.69	494.57	414.98
315.0	1165.83	1165.83	1062.48	930.27	780.63	670.55	572.29	484.98	388.41
360.0	1165.77	1165.77	1132.94	975.22	854.96	744.46	639.01	521.44	437.81
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	364.07	297.65	225.78	178.03	133.37	107.04	87.67	70.87	61.39
45.0	417.91	344.17	310.23	310.23	160.23	119.33	96.04	79.18	67.24
90.0	271.37	218.41	174.40	132.03	107.56	88.66	74.38	61.74	54.72
135.0	339.49	307.30	307.30	164.45	131.21	100.72	83.34	67.71	58.99
180.0	304.38	304.38	184.52	147.77	118.57	91.47	76.20	63.03	55.65
225.0	244.68	196.28	156.55	118.51	95.68	79.24	64.78	57.00	51.15
270.0	345.34	297.35	297.35	168.72	134.25	102.00	84.10	70.93	61.45
315.0	319.94	259.14	195.47	155.32	123.48	95.16	79.42	67.89	57.94
360.0	364.07	297.65	225.78	178.03	133.37	107.04	87.67	70.87	61.39

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	54.48	48.16	44.24	41.02	38.33	35.35	33.30	31.60	30.14
45.0	56.83	50.91	46.35	42.60	38.74	36.17	33.94	32.07	30.02
90.0	49.22	44.83	40.50	37.69	35.29	32.71	30.90	29.03	27.68
135.0	52.67	46.76	42.96	39.85	36.58	34.24	32.36	30.72	28.91
180.0	50.15	45.82	41.55	38.74	36.34	34.24	31.95	30.43	29.03
225.0	45.65	42.14	39.27	36.05	33.94	32.07	30.08	28.68	27.45
270.0	53.08	48.11	44.07	40.03	37.34	34.94	32.42	30.61	29.09
315.0	52.03	47.40	43.66	39.80	37.04	34.76	32.77	30.61	29.09
360.0	54.48	48.16	44.24	41.02	38.33	35.35	33.30	31.60	30.14
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.44	27.27	25.93	25.05	24.23	23.35	22.71	22.18	21.77
45.0	28.68	27.21	26.04	25.11	24.17	23.47	22.82	22.24	21.59
90.0	26.57	25.52	24.40	23.64	22.94	22.30	21.71	21.30	20.83
135.0	27.68	26.69	25.69	24.70	23.99	23.41	22.71	22.24	21.71
180.0	27.86	26.57	25.63	24.64	23.99	23.35	22.71	22.24	21.77
225.0	26.39	25.16	24.35	23.64	23.00	22.30	21.77	21.30	20.89
270.0	27.45	26.34	25.34	24.40	23.41	22.71	22.12	21.59	21.01
315.0	27.51	26.39	25.40	24.35	23.64	23.00	22.30	21.83	21.36
360.0	28.44	27.27	25.93	25.05	24.23	23.35	22.71	22.18	21.77
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.36	20.83	20.48	20.07	19.66	19.25	18.90	18.43	18.08
45.0	21.13	20.83	20.42	19.96	19.61	19.25	18.79	18.38	18.02
90.0	20.37	20.01	19.66	19.25	18.84	18.43	18.02	17.67	17.32
135.0	21.36	20.95	20.60	20.13	19.72	19.37	19.02	18.55	18.14
180.0	21.30	20.89	20.54	20.25	20.60	21.36	22.30	23.12	22.65
225.0	20.54	20.07	19.72	19.37	18.96	18.49	18.14	17.79	17.44
270.0	20.60	20.25	19.84	19.49	19.08	18.67	18.32	17.91	17.56
315.0	20.95	20.54	20.13	19.78	19.43	18.90	18.55	18.14	17.73
360.0	21.36	20.83	20.48	20.07	19.66	19.25	18.90	18.43	18.08
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.67	17.26	16.97	16.62	16.21	15.98	15.63	15.27	14.98
45.0	17.62	17.26	16.97	16.50	16.27	15.98	15.63	15.27	14.98
90.0	16.91	16.62	16.39	16.04	15.68	15.39	15.16	14.92	14.57
135.0	17.97	17.73	17.44	17.32	16.97	16.74	16.50	16.33	16.21
180.0	22.18	21.54	20.31	19.43	18.38	17.44	16.62	15.92	15.22
225.0	17.03	16.68	16.39	16.04	15.74	15.33	15.10	14.81	14.46
270.0	17.21	16.91	16.50	16.15	15.80	15.57	15.16	14.92	14.63
315.0	17.38	16.97	16.62	16.33	15.98	15.68	15.39	15.16	14.81
360.0	17.67	17.26	16.97	16.62	16.21	15.98	15.63	15.27	14.98
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.57	14.16	13.87	13.58	13.34	13.17	12.82	12.58	12.41
45.0	14.69	14.34	14.05	13.75	13.52	13.46	12.82	12.58	12.41
90.0	14.22	13.81	13.58	13.46	12.93	12.70	12.52	12.35	12.17
135.0	15.57	14.63	13.93	13.64	13.28	12.87	12.58	12.35	12.17
180.0	14.63	14.05	13.75	13.46	13.11	12.76	12.52	12.35	12.17
225.0	14.10	13.81	13.58	13.23	12.87	12.64	12.41	12.23	12.17
270.0	14.28	13.99	13.64	13.46	13.23	12.93	12.70	12.52	12.29
315.0	14.34	13.93	13.69	13.34	13.17	12.76	12.58	12.35	12.17
360.0	14.57	14.16	13.87	13.58	13.34	13.17	12.82	12.58	12.41

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.35
45.0	12.23
90.0	12.29
135.0	12.23
180.0	12.23
225.0	12.17
270.0	12.11
315.0	12.06
360.0	12.35