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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.411.00

Report No: 2024403-B021

Ballast type: AC

Test No: 2024403-C021

Voltage(V): 34.410

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.888

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2887.01, Efficiency(%): 83.97% , Luminous Efficacy(lm/W): 145.16

Central intensity(cd): 11257.740, Maximum intensity(cd): 11257.740

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.4

[C90/270]Total=22.4

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.0

Maximum s/h(1/2): C0_180=0.38 C90_270=0.38

Maximum s/h(1/4): C0_180=0.43 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.97%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.038%

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	11257.739	0.000	0	0.00%	0.00%
1.0	11178.953	10.736	10.736	0.31%	0.37%
2.0	10937.109	31.743	42.479	0.92%	1.47%
3.0	10580.414	51.463	93.941	1.50%	3.25%
4.0	10093.434	69.202	163.143	2.01%	5.65%
5.0	9520.791	84.379	247.523	2.45%	8.57%
6.0	8855.244	96.571	344.094	2.81%	11.92%
7.0	8247.854	106.159	450.252	3.09%	15.60%
8.0	7609.447	113.488	563.74	3.30%	19.53%
9.0	6946.826	117.971	681.711	3.43%	23.61%
10.0	6382.742	120.628	802.338	3.51%	27.79%
11.0	5749.602	121.227	923.566	3.53%	31.99%
12.0	5197.222	119.664	1043.23	3.48%	36.14%
13.0	4689.905	117.335	1160.565	3.41%	40.20%
14.0	4237.380	114.268	1274.834	3.32%	44.16%
15.0	3816.311	110.565	1385.398	3.22%	47.99%
16.0	3453.910	106.529	1491.927	3.10%	51.68%
17.0	3138.181	102.657	1594.584	2.99%	55.23%
18.0	2862.833	98.944	1693.528	2.88%	58.66%
19.0	2612.283	95.256	1788.784	2.77%	61.96%
20.0	2383.826	91.443	1880.226	2.66%	65.13%
21.0	2181.777	87.669	1967.895	2.55%	68.16%
22.0	1995.383	83.942	2051.837	2.44%	71.07%
23.0	1815.426	79.961	2131.798	2.33%	73.84%
24.0	1667.438	76.148	2207.946	2.21%	76.48%
25.0	1453.333	70.960	2278.905	2.06%	78.94%
26.0	1299.734	64.986	2343.892	1.89%	81.19%
27.0	1189.836	60.908	2404.8	1.77%	83.30%
28.0	1051.935	56.757	2461.557	1.65%	85.26%
29.0	907.428	51.262	2512.819	1.49%	87.04%
30.0	775.862	45.448	2558.268	1.32%	88.61%
31.0	656.008	39.847	2598.114	1.16%	89.99%
32.0	548.180	34.499	2632.613	1.00%	91.19%
33.0	451.157	29.441	2662.054	0.86%	92.21%
34.0	366.197	24.736	2686.789	0.72%	93.06%
35.0	300.615	20.709	2707.498	0.60%	93.78%
36.0	254.895	17.688	2725.186	0.51%	94.39%
37.0	206.672	15.054	2740.239	0.44%	94.92%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	152.722	11.996	2752.236	0.35%	95.33%
39.0	118.303	9.251	2761.486	0.27%	95.65%
40.0	93.790	7.397	2768.883	0.22%	95.91%
41.0	76.972	6.081	2774.964	0.18%	96.12%
42.0	64.119	5.126	2780.09	0.15%	96.30%
43.0	55.201	4.420	2784.51	0.13%	96.45%
44.0	48.566	3.916	2788.427	0.11%	96.59%
45.0	43.336	3.532	2791.959	0.10%	96.71%
46.0	39.547	3.241	2795.2	0.09%	96.82%
47.0	36.540	3.026	2798.226	0.09%	96.92%
48.0	34.060	2.854	2801.08	0.08%	97.02%
49.0	31.939	2.710	2803.79	0.08%	97.12%
50.0	30.168	2.589	2806.38	0.08%	97.21%
51.0	28.874	2.498	2808.878	0.07%	97.29%
52.0	27.871	2.435	2811.313	0.07%	97.38%
53.0	27.081	2.390	2813.703	0.07%	97.46%
54.0	26.518	2.362	2816.066	0.07%	97.54%
55.0	26.145	2.351	2818.416	0.07%	97.62%
56.0	25.882	2.351	2820.767	0.07%	97.71%
57.0	25.779	2.362	2823.129	0.07%	97.79%
58.0	25.801	2.385	2825.515	0.07%	97.87%
59.0	25.860	2.415	2827.93	0.07%	97.95%
60.0	25.962	2.448	2830.378	0.07%	98.04%
61.0	25.801	2.470	2832.848	0.07%	98.12%
62.0	25.479	2.471	2835.319	0.07%	98.21%
63.0	24.843	2.447	2837.767	0.07%	98.29%
64.0	23.928	2.393	2840.16	0.07%	98.38%
65.0	22.926	2.319	2842.479	0.07%	98.46%
66.0	21.851	2.234	2844.713	0.06%	98.53%
67.0	20.871	2.148	2846.861	0.06%	98.61%
68.0	20.139	2.077	2848.938	0.06%	98.68%
69.0	19.773	2.036	2850.975	0.06%	98.75%
70.0	19.627	2.024	2852.998	0.06%	98.82%
71.0	19.495	2.022	2855.02	0.06%	98.89%
72.0	19.371	2.021	2857.041	0.06%	98.96%
73.0	19.225	2.018	2859.059	0.06%	99.03%
74.0	18.983	2.009	2861.068	0.06%	99.10%
75.0	18.735	1.993	2863.061	0.06%	99.17%

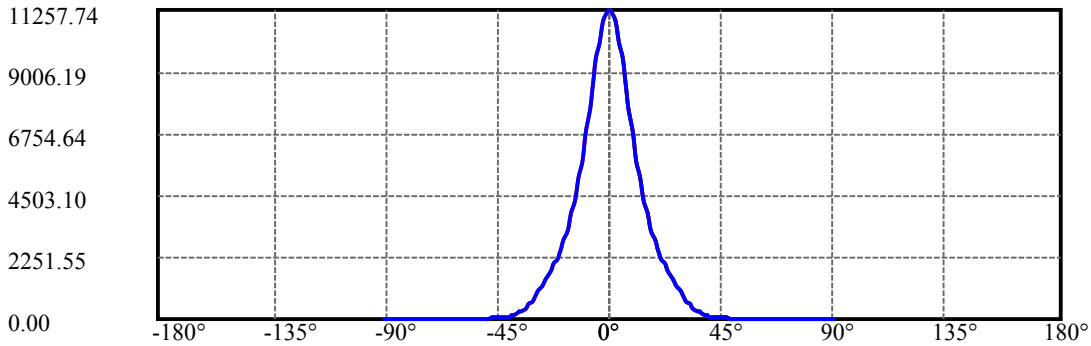
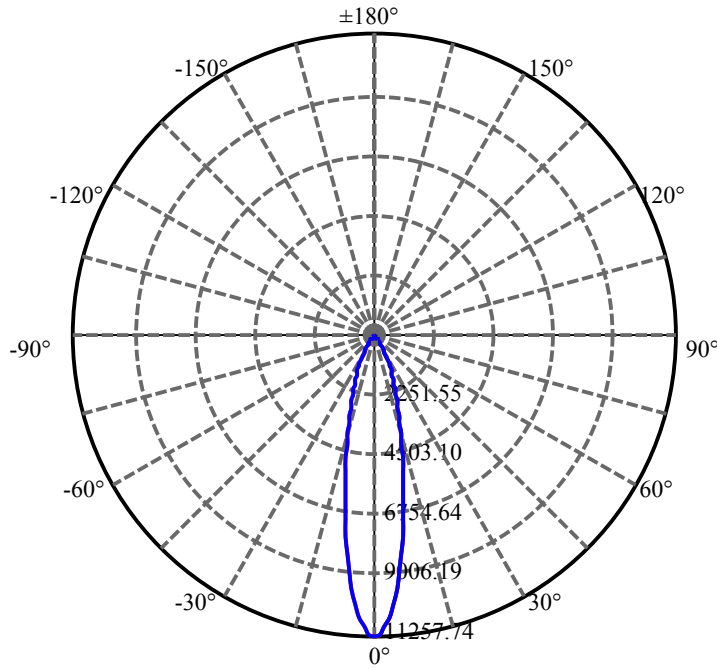
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.303	1.966	2865.027	0.06%	99.24%
77.0	17.703	1.920	2866.947	0.06%	99.31%
78.0	17.052	1.860	2868.807	0.05%	99.37%
79.0	16.372	1.796	2870.603	0.05%	99.43%
80.0	15.523	1.720	2872.322	0.05%	99.49%
81.0	14.653	1.632	2873.954	0.05%	99.55%
82.0	14.236	1.567	2875.521	0.05%	99.60%
83.0	13.906	1.530	2877.051	0.04%	99.66%
84.0	13.614	1.499	2878.55	0.04%	99.71%
85.0	13.380	1.473	2880.023	0.04%	99.76%
86.0	13.051	1.445	2881.468	0.04%	99.81%
87.0	12.816	1.416	2882.884	0.04%	99.86%
88.0	12.575	1.391	2884.274	0.04%	99.91%
89.0	12.465	1.373	2885.647	0.04%	99.95%
90.0	12.399	1.363	2887.01	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2558.27	74.41%	88.61%
0-40	2768.88	80.54%	95.91%
0-60	2830.38	82.33%	98.04%
0-90	2885.65	83.93%	99.95%
0-120	2885.65	83.93%	99.95%
0-180	2887.01	83.97%	100.00%
60-90	55.27	1.61%	1.91%
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%
0-25.47	2309.61	67.18%	80.00%

ZONAL LUMEN SUMMARY

0-10	802.34
10-20	1077.89
20-30	678.04
30-40	210.62
40-50	37.50
50-60	24.00
60-70	22.62
70-80	19.32
80-90	13.32
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: —————

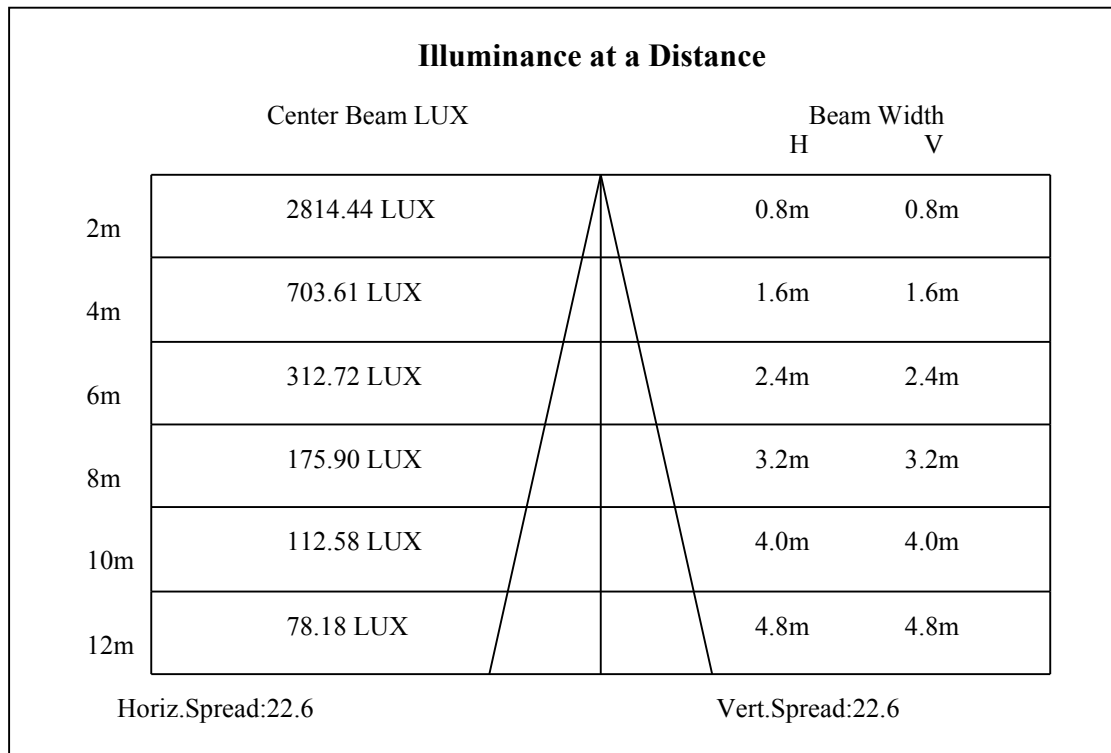
C90/C270: —————

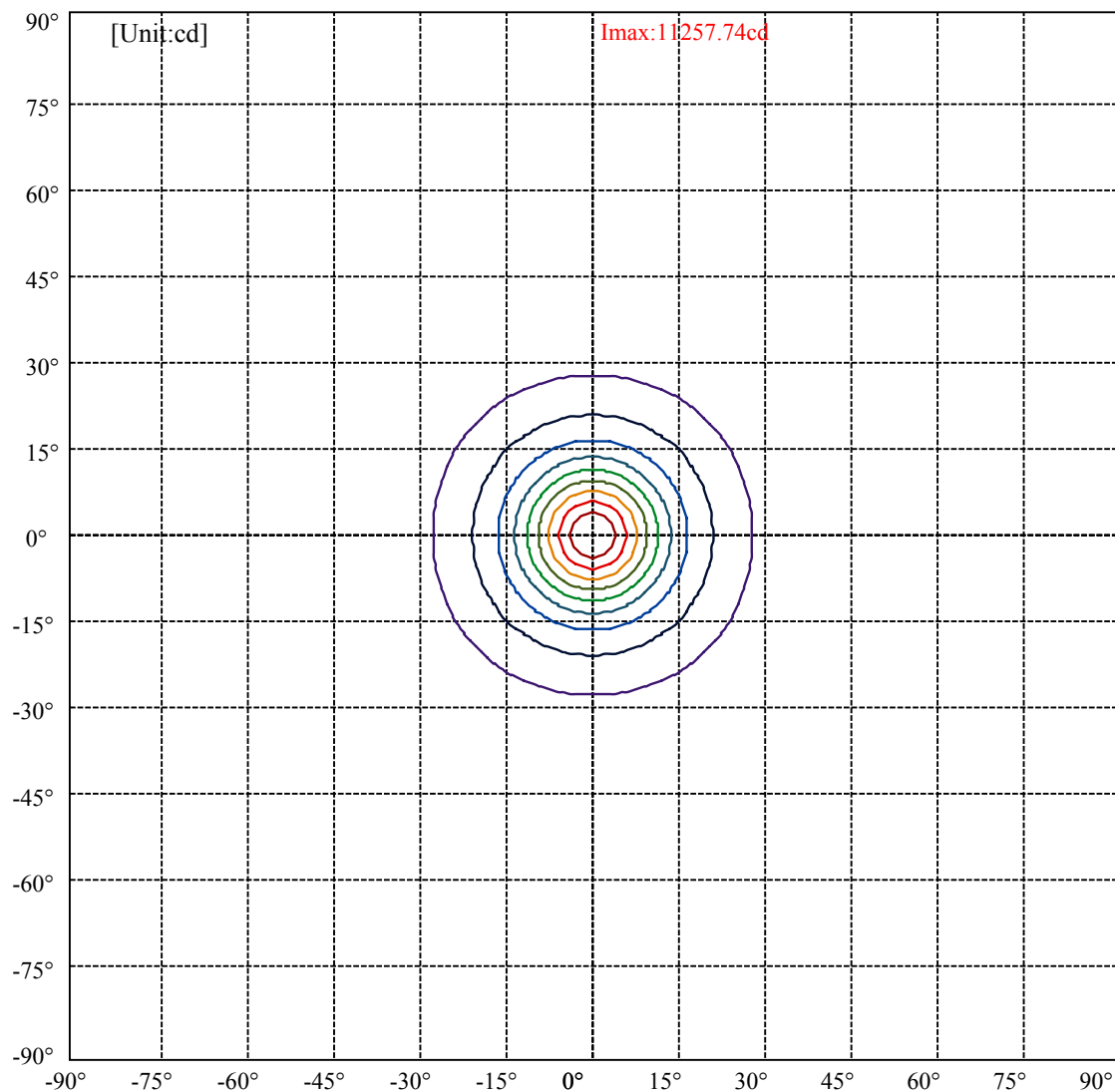
Field angle(10%Imax):C0/180Left:27.5 Right:27.5

:C90/270Left:27.5 Right:27.5

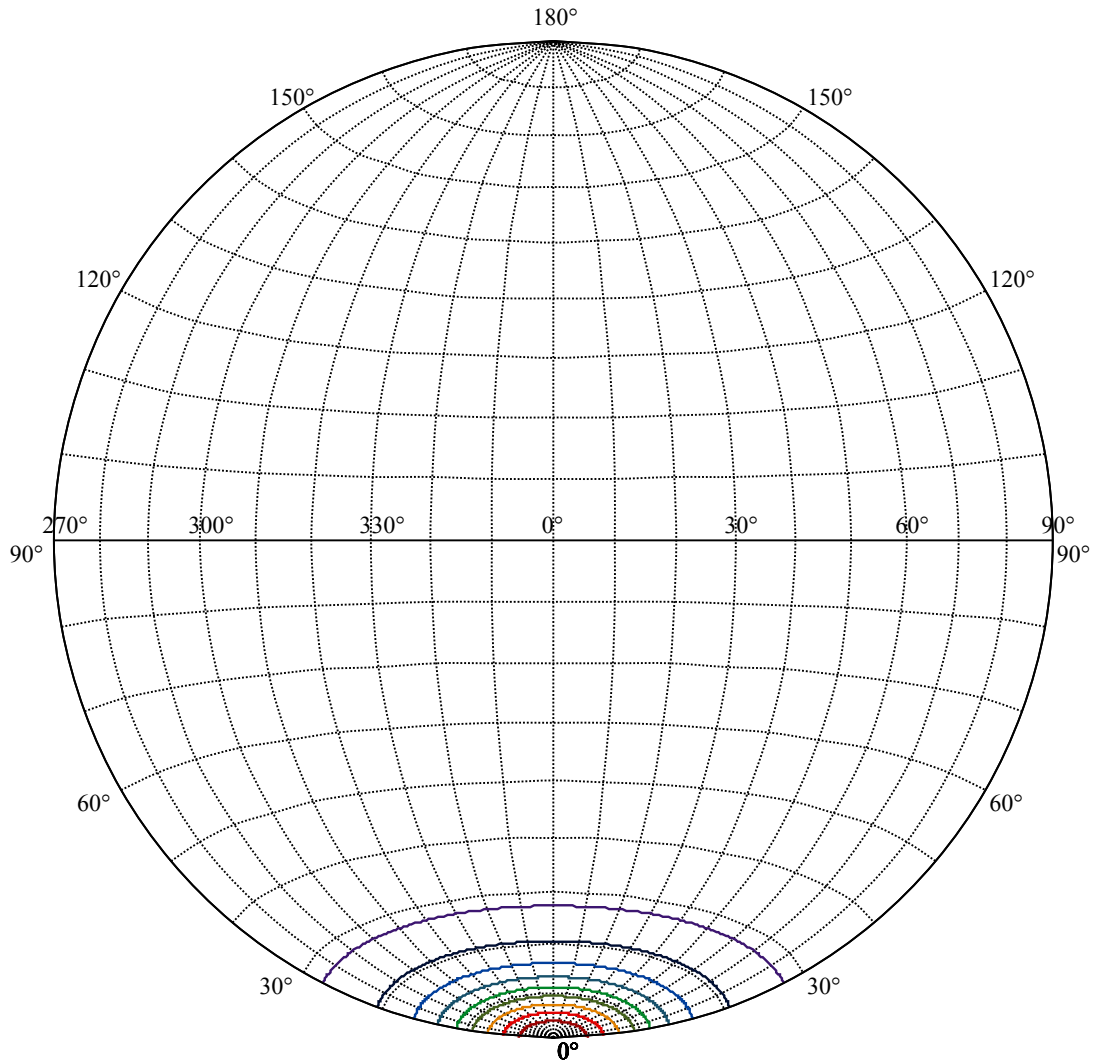
Beam Angle(50%Imax):C0/180Left:11.2 Right:11.2

:C90/270Left:11.2 Right:11.2





(10%Imax) 1125.77	—
(20%Imax) 2251.55	—
(30%Imax) 3377.32	—
(40%Imax) 4503.1	—
(50%Imax) 5628.87	—
(60%Imax) 6754.64	—
(70%Imax) 7880.42	—
(80%Imax) 9006.19	—
(90%Imax) 10132	—



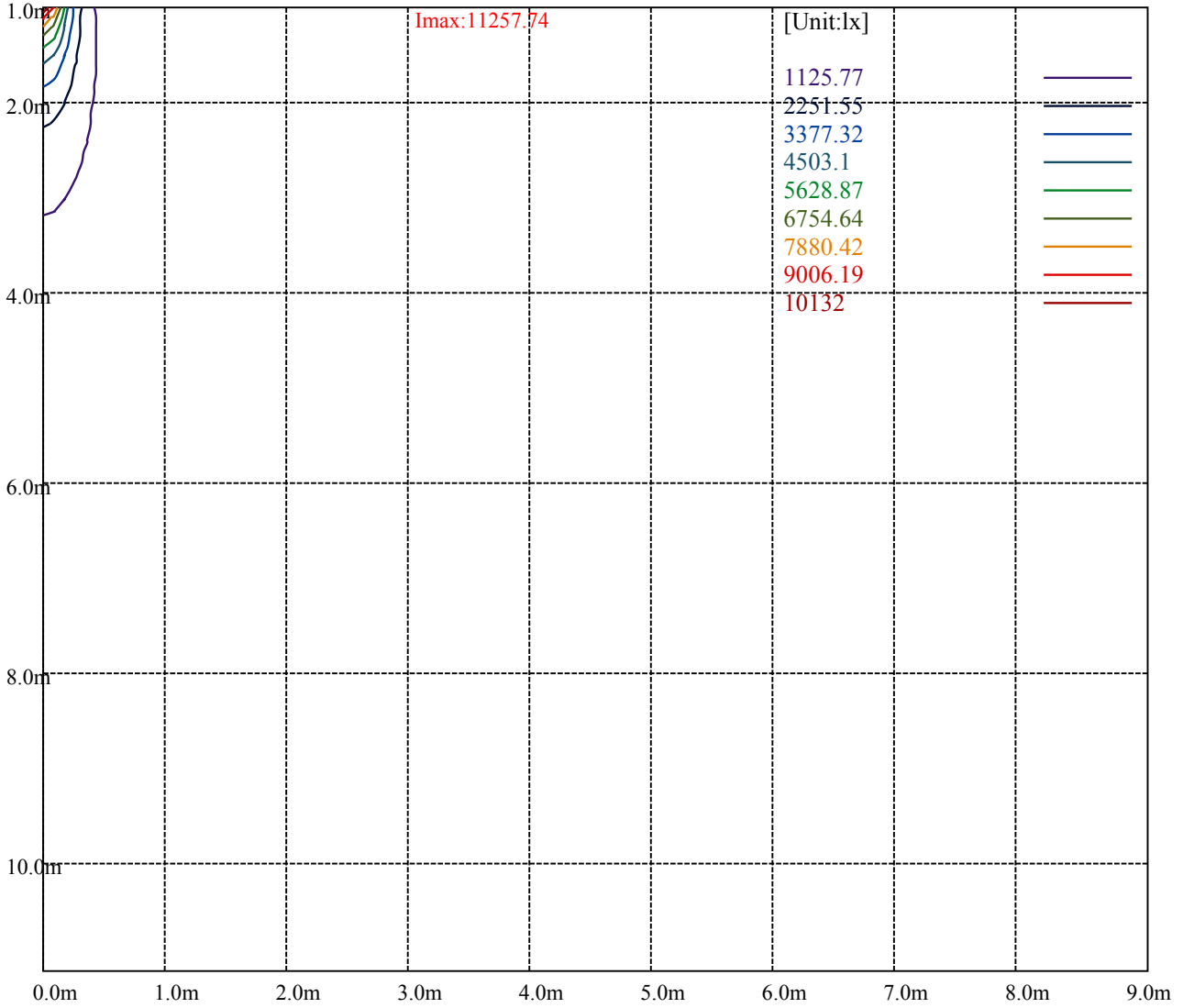
House

[Unit:cd]

Road

Imax:11257.74

(10%Imax)	1125.77	—
(20%Imax)	2251.55	—
(30%Imax)	3377.32	—
(40%Imax)	4503.1	—
(50%Imax)	5628.87	—
(60%Imax)	6754.64	—
(70%Imax)	7880.42	—
(80%Imax)	9006.19	—
(90%Imax)	10132	—



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

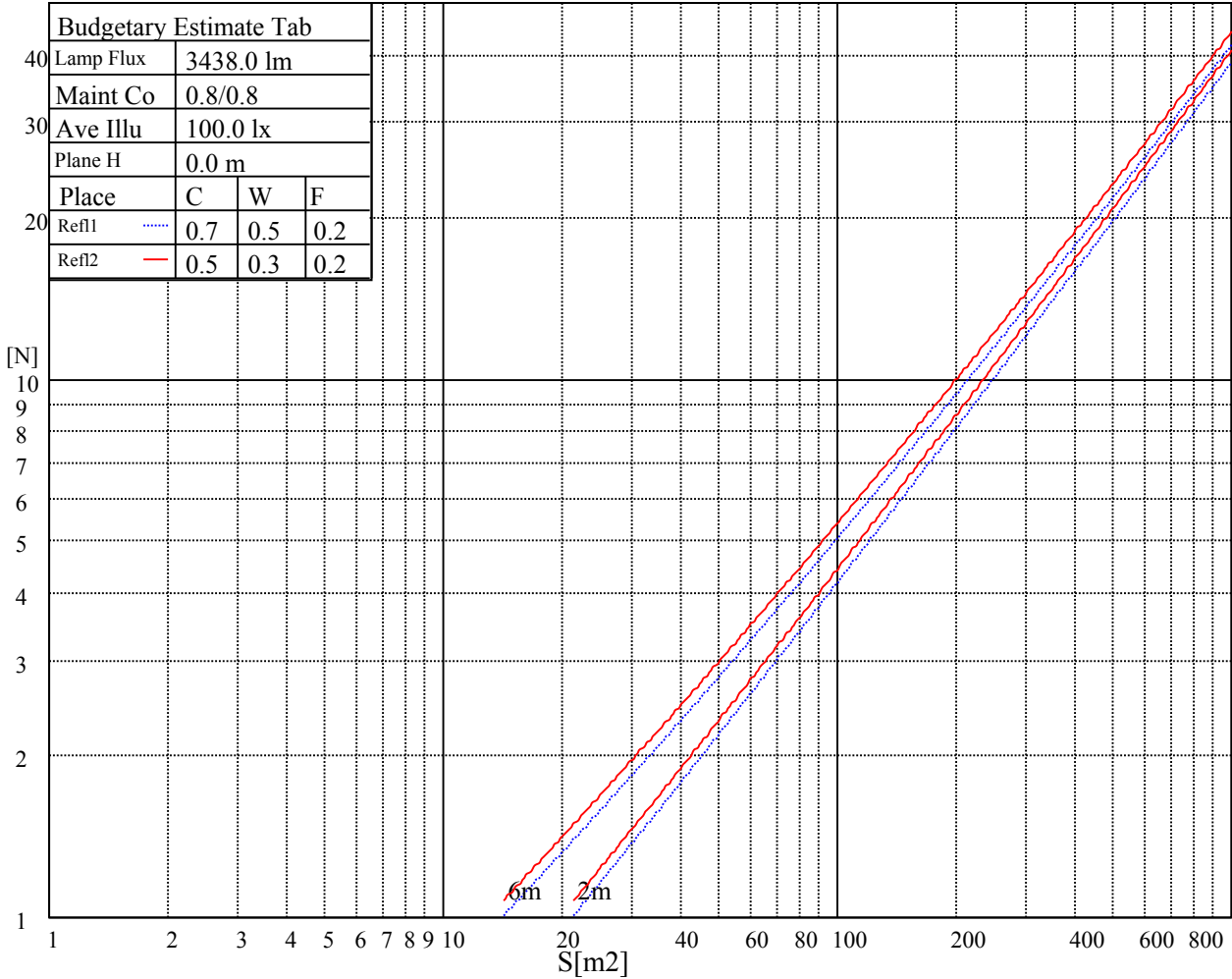
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

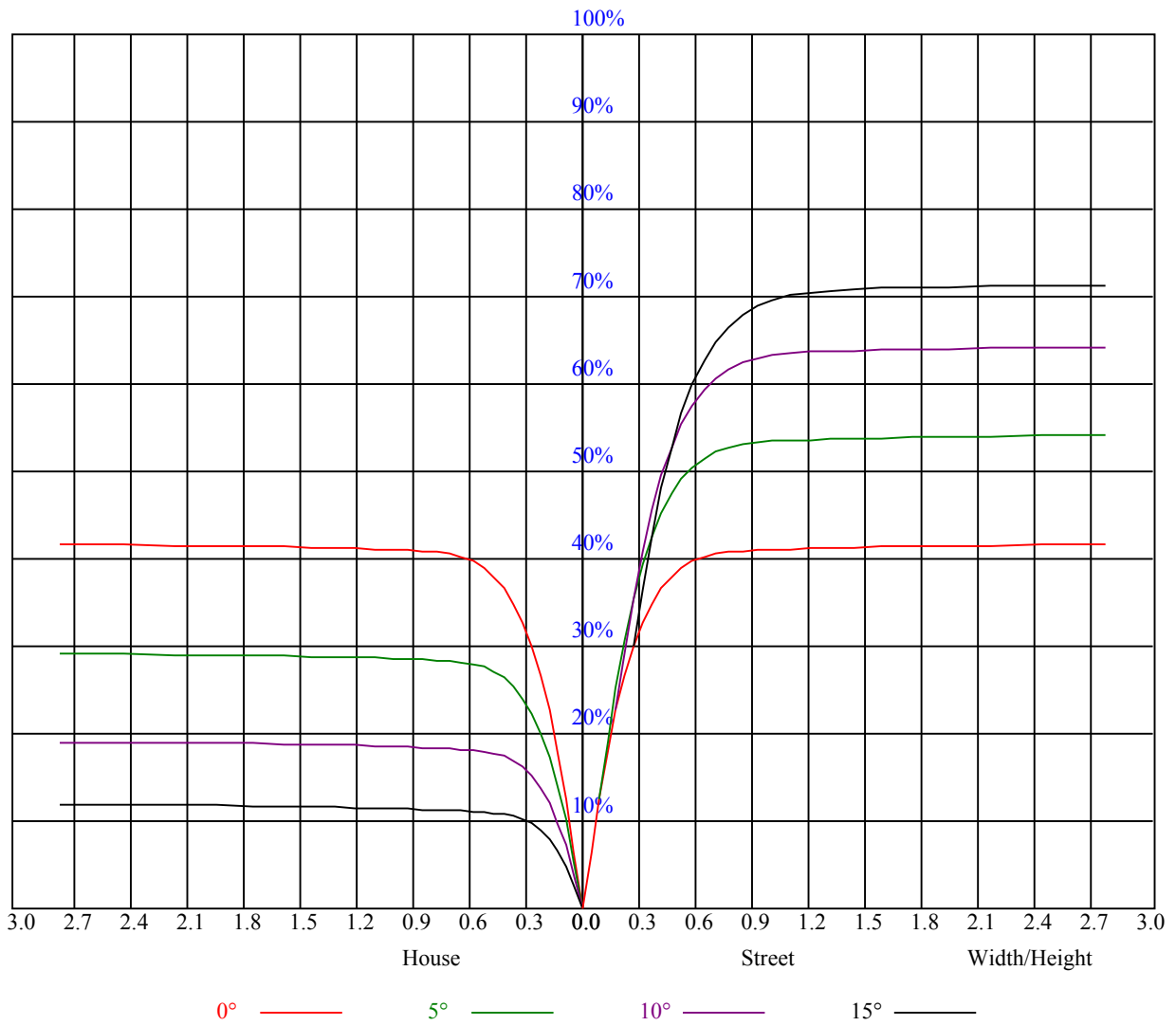


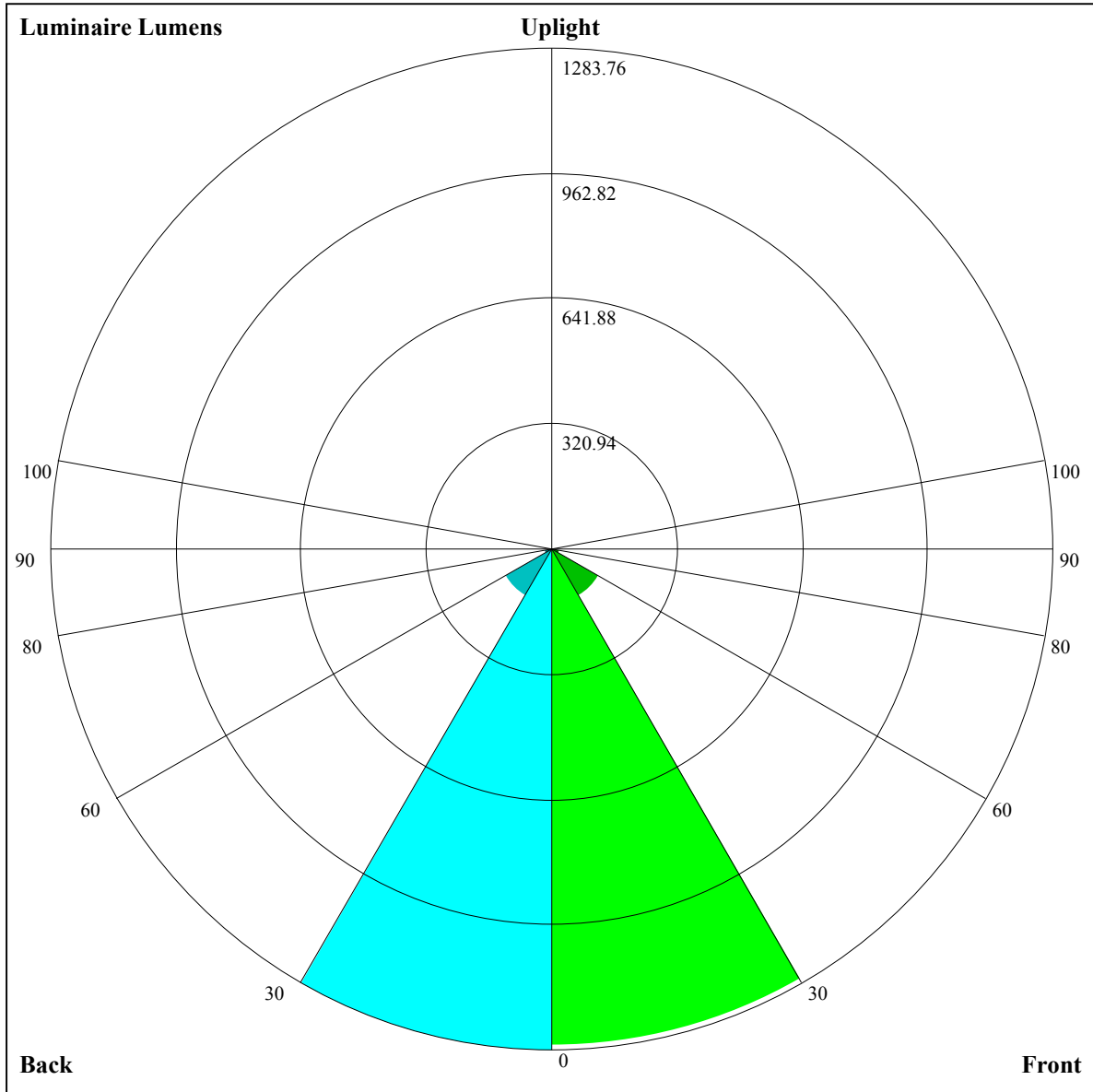
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	
8H	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	
12H	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	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.81	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.71	0.69
5	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.67
6	0.73	0.69	0.66	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
7	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
8	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1272.64,FM=136.88,FH=21.63,FVH=7.43

BL=1283.76,BM=137.45,BH=20.16,BVH=7.33

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	11294.90	11133.96	10853.06	10455.69	9817.21	9244.86	8639.15	7904.11	7336.44
45.0	11199.51	11313.04	11306.61	11103.53	10792.78	10381.95	9718.89	9133.08	8522.10
90.0	11356.35	11337.62	11204.78	10932.06	10391.31	9861.10	9126.64	8512.16	7926.35
135.0	11180.20	11306.61	11303.68	11077.20	10754.15	10308.21	9648.66	9069.29	8483.48
180.0	11294.90	11276.76	11100.61	10793.95	10353.27	9701.33	9131.32	8558.39	7835.64
225.0	11199.51	10951.37	10425.26	9923.13	9377.12	8764.97	8035.20	7437.10	6831.39
270.0	11356.35	11173.76	10871.20	10439.30	9911.43	9174.05	8562.49	7980.77	7266.21
315.0	11180.20	10938.50	10431.69	9918.45	9350.20	8729.86	7979.60	7387.94	6673.96
360.0	11294.90	11133.96	10853.06	10455.69	9817.21	9244.86	8639.15	7904.11	7336.44
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6639.44	6089.91	5554.43	5047.62	4467.08	4055.67	3675.86	3342.28	3000.51
45.0	7778.28	7199.50	6633.58	5940.09	5416.90	4922.39	4454.21	3926.33	3558.23
90.0	7203.01	6634.75	6068.26	5389.40	4880.25	4427.29	4006.51	3538.33	3228.16
135.0	7765.99	7183.11	6453.33	5895.62	5367.16	4862.11	4287.42	3875.42	3522.53
180.0	7260.95	6674.55	5944.77	5384.13	4759.11	4334.23	3901.75	3568.18	3183.10
225.0	6109.81	5570.23	4940.53	4485.22	4069.13	3616.16	3300.73	3036.79	2789.83
270.0	6707.32	6140.82	5451.43	4935.26	4478.20	3974.91	3592.75	3300.73	3028.01
315.0	6109.81	5569.06	4950.48	4500.44	4081.42	3706.29	3311.26	3043.23	2795.09
360.0	6639.44	6089.91	5554.43	5047.62	4467.08	4055.67	3675.86	3342.28	3000.51
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2763.49	2536.42	2333.94	2101.60	1936.57	1747.54	1604.75	1464.29	1153.83
45.0	3247.47	2975.34	2670.44	2449.81	2254.93	2030.20	1870.44	1682.00	1537.44
90.0	2960.71	2710.82	2429.91	2230.94	2050.10	1840.59	1689.60	1508.18	1158.69
135.0	3205.34	2874.10	2643.52	2426.40	2230.35	2007.97	1849.95	1664.44	1518.13
180.0	2920.33	2677.46	2448.64	2202.85	2025.52	1869.27	1718.86	1541.54	1398.75
225.0	2514.19	2308.19	2122.08	1961.15	1765.10	1623.47	1482.43	1160.62	1160.62
270.0	2717.84	2494.87	2282.44	2108.04	1911.40	1759.24	1617.04	1447.32	1312.13
315.0	2573.29	2321.06	2139.64	1973.44	1789.09	1645.13	1506.43	1158.28	1158.28
360.0	2763.49	2536.42	2333.94	2101.60	1936.57	1747.54	1604.75	1464.29	1153.83
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1153.83	1017.24	887.38	735.98	625.78	525.42	433.53	334.40	269.03
45.0	1391.72	1252.44	1080.38	946.95	821.71	707.01	575.92	479.36	394.50
90.0	1158.69	1088.46	927.00	802.99	690.27	585.63	465.66	380.57	307.13
135.0	1371.24	1190.99	1055.22	923.54	795.38	654.34	554.27	461.80	378.70
180.0	1226.10	1087.41	949.29	786.60	670.14	567.73	474.68	373.43	306.13
225.0	1021.10	884.33	727.55	618.82	498.96	414.57	341.60	280.26	217.59
270.0	1141.83	1008.99	873.21	746.81	604.60	505.69	416.74	338.90	304.96
315.0	1054.17	885.62	759.39	645.21	541.22	425.05	346.86	280.85	226.89
360.0	1153.83	1017.24	887.38	735.98	625.78	525.42	433.53	334.40	269.03
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	215.54	163.22	131.03	105.81	83.16	70.29	61.04	52.61	47.58
45.0	304.38	304.38	233.21	153.74	117.69	92.23	77.43	66.07	57.35
90.0	247.55	187.21	149.23	119.74	92.88	77.19	65.43	55.07	48.92
135.0	309.64	309.64	188.91	152.10	117.34	96.21	76.20	64.26	55.36
180.0	306.13	237.37	152.39	124.07	101.36	79.53	66.48	56.65	47.87
225.0	177.50	144.55	117.63	91.24	74.62	62.21	51.79	46.12	41.90
270.0	304.96	166.44	134.72	104.93	87.14	73.15	60.04	52.32	45.47
315.0	173.46	140.57	114.65	94.81	76.14	64.96	54.54	48.52	44.07
360.0	215.54	163.22	131.03	105.81	83.16	70.29	61.04	52.61	47.58

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	43.42	40.09	36.75	34.47	32.54	30.55	29.32	28.44	27.74
45.0	49.33	44.54	40.85	37.81	34.59	32.48	30.72	29.32	27.92
90.0	44.13	39.44	36.52	34.06	32.01	29.85	28.50	27.45	26.69
135.0	47.75	43.31	39.68	36.75	33.65	31.60	30.08	28.79	27.56
180.0	43.01	38.57	35.82	33.47	31.54	29.61	28.38	27.39	26.69
225.0	37.75	35.11	32.89	30.67	29.20	28.03	27.15	26.45	25.98
270.0	41.49	38.33	35.00	32.83	31.02	29.55	28.15	27.33	26.80
315.0	39.80	36.99	34.82	32.42	30.96	29.67	28.68	27.80	27.27
360.0	43.42	40.09	36.75	34.47	32.54	30.55	29.32	28.44	27.74
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.10	26.69	26.51	26.39	26.39	26.57	26.63	26.51	26.04
45.0	27.15	26.57	26.04	25.87	25.75	25.63	25.75	25.87	25.98
90.0	26.04	25.63	25.28	25.11	25.05	25.11	25.28	25.34	25.16
135.0	26.92	26.45	25.98	25.75	25.63	25.52	25.63	25.69	25.87
180.0	26.10	25.69	25.46	25.40	25.28	25.40	25.63	25.69	25.40
225.0	25.63	25.57	25.52	25.57	25.81	25.93	25.87	25.22	24.46
270.0	26.28	25.93	25.75	25.69	25.81	25.93	26.04	25.87	25.28
315.0	26.92	26.63	26.51	26.45	26.69	26.80	26.86	26.22	25.63
360.0	27.10	26.69	26.51	26.39	26.39	26.57	26.63	26.51	26.04
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.22	24.29	23.12	22.12	21.01	20.72	21.59	23.00	23.06
45.0	25.75	25.16	24.40	23.12	22.00	21.01	20.01	18.96	18.38
90.0	24.64	24.05	23.12	21.71	20.78	19.78	18.79	18.02	17.56
135.0	25.57	25.05	24.17	23.12	22.06	21.13	20.13	19.08	18.49
180.0	24.70	23.94	22.77	21.77	20.54	19.55	18.79	18.38	17.97
225.0	23.53	22.12	21.19	20.13	19.25	18.49	18.02	17.67	17.32
270.0	24.58	23.29	22.24	21.30	20.37	19.49	19.20	19.20	19.55
315.0	24.76	23.53	22.41	21.54	20.95	20.95	21.65	22.71	23.64
360.0	25.22	24.29	23.12	22.12	21.01	20.72	21.59	23.00	23.06
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.00	22.65	21.95	21.42	20.66	19.96	19.25	18.55	16.91
45.0	17.79	17.44	17.15	16.80	16.56	16.33	16.04	15.63	15.33
90.0	17.21	16.80	16.56	16.21	15.92	15.68	15.33	14.98	14.75
135.0	17.97	17.56	17.26	16.91	16.62	16.33	15.92	15.57	15.27
180.0	17.62	17.15	16.68	16.39	16.09	15.74	15.39	15.10	14.75
225.0	16.97	16.68	16.39	15.98	15.68	15.27	14.98	14.63	14.34
270.0	20.01	20.60	21.01	21.13	20.89	20.19	19.25	18.14	17.03
315.0	24.40	24.93	24.87	25.05	23.99	22.12	20.25	18.38	15.80
360.0	23.00	22.65	21.95	21.42	20.66	19.96	19.25	18.55	16.91
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.92	14.22	13.87	13.64	13.40	13.17	12.82	12.52	12.35
45.0	14.98	14.63	14.28	13.93	13.64	13.34	12.99	12.76	12.58
90.0	14.46	14.16	13.81	13.58	13.28	13.11	12.93	12.70	12.52
135.0	14.98	14.75	14.22	13.87	13.52	13.23	13.05	12.82	12.64
180.0	14.40	13.99	13.69	13.46	13.17	12.87	12.70	12.47	12.35
225.0	14.05	13.75	13.58	13.17	12.87	12.64	12.52	12.35	12.41
270.0	14.81	14.10	13.81	13.58	13.46	12.99	12.76	12.58	12.41
315.0	14.63	14.28	13.99	13.69	13.69	13.05	12.76	12.41	12.47
360.0	14.92	14.22	13.87	13.64	13.40	13.17	12.82	12.52	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.29
45.0	12.47
90.0	12.41
135.0	12.58
180.0	12.29
225.0	12.35
270.0	12.41
315.0	12.41
360.0	12.29