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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.411.00

Report No: 2024403-B020

Ballast type: AC

Test No: 2024403-C020

Voltage(V): 34.440

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.906

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2887.12, Efficiency(%): 83.98% , Luminous Efficacy(lm/W): 145.04

Central intensity(cd): 11392.200, Maximum intensity(cd): 11392.200

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

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

[C90/270]Total=22.0

Field angle(10%Imax): [C0/180]Total=54.6

[C90/270]Total=54.6

Maximum s/h(1/2): C0\_180=0.37 C90\_270=0.37

Maximum s/h(1/4): C0\_180=0.42 C90\_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.98%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.925%

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	11392.195	0.000	0	0.00%	0.00%
1.0	11308.727	10.862	10.862	0.32%	0.38%
2.0	11069.224	32.119	42.981	0.93%	1.49%
3.0	10683.634	52.026	95.007	1.51%	3.29%
4.0	10195.410	69.889	164.895	2.03%	5.71%
5.0	9606.820	85.188	250.084	2.48%	8.66%
6.0	8947.490	97.508	347.591	2.84%	12.04%
7.0	8281.358	106.939	454.531	3.11%	15.74%
8.0	7582.673	113.536	568.066	3.30%	19.68%
9.0	6960.139	117.862	685.928	3.43%	23.76%
10.0	6304.322	120.039	805.967	3.49%	27.92%
11.0	5721.877	120.166	926.133	3.50%	32.08%
12.0	5159.256	118.946	1045.079	3.46%	36.20%
13.0	4675.275	116.711	1161.79	3.39%	40.24%
14.0	4216.605	113.815	1275.606	3.31%	44.18%
15.0	3807.971	110.165	1385.771	3.20%	48.00%
16.0	3436.792	106.156	1491.927	3.09%	51.68%
17.0	3120.917	102.121	1594.048	2.97%	55.21%
18.0	2844.691	98.360	1692.408	2.86%	58.62%
19.0	2590.776	94.566	1786.974	2.75%	61.89%
20.0	2373.146	90.854	1877.827	2.64%	65.04%
21.0	2166.854	87.177	1965.005	2.54%	68.06%
22.0	1987.409	83.482	2048.486	2.43%	70.95%
23.0	1817.036	79.828	2128.314	2.32%	73.72%
24.0	1648.857	75.777	2204.091	2.20%	76.34%
25.0	1466.771	70.843	2274.933	2.06%	78.80%
26.0	1301.138	65.337	2340.27	1.90%	81.06%
27.0	1188.490	60.909	2401.179	1.77%	83.17%
28.0	1038.518	56.383	2457.563	1.64%	85.12%
29.0	889.893	50.453	2508.015	1.47%	86.87%
30.0	754.596	44.401	2552.416	1.29%	88.41%
31.0	621.414	38.292	2590.709	1.11%	89.73%
32.0	499.234	32.105	2622.814	0.93%	90.85%
33.0	393.257	26.293	2649.107	0.76%	91.76%
34.0	309.650	21.272	2670.379	0.62%	92.49%
35.0	257.960	17.628	2688.007	0.51%	93.10%
36.0	208.413	14.849	2702.856	0.43%	93.62%
37.0	172.502	12.423	2715.279	0.36%	94.05%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	140.520	10.448	2725.728	0.30%	94.41%
39.0	125.538	9.081	2734.809	0.26%	94.72%
40.0	112.729	8.310	2743.119	0.24%	95.01%
41.0	100.117	7.579	2750.698	0.22%	95.27%
42.0	90.205	6.915	2757.613	0.20%	95.51%
43.0	81.171	6.348	2763.961	0.18%	95.73%
44.0	73.153	5.825	2769.786	0.17%	95.94%
45.0	66.233	5.357	2775.143	0.16%	96.12%
46.0	60.388	4.952	2780.095	0.14%	96.29%
47.0	55.296	4.601	2784.696	0.13%	96.45%
48.0	50.834	4.290	2788.986	0.12%	96.60%
49.0	46.920	4.014	2793	0.12%	96.74%
50.0	43.585	3.773	2796.774	0.11%	96.87%
51.0	40.776	3.569	2800.343	0.10%	96.99%
52.0	38.318	3.394	2803.737	0.10%	97.11%
53.0	36.247	3.244	2806.98	0.09%	97.22%
54.0	34.492	3.118	2810.098	0.09%	97.33%
55.0	32.985	3.012	2813.11	0.09%	97.44%
56.0	31.727	2.924	2816.034	0.09%	97.54%
57.0	30.666	2.853	2818.887	0.08%	97.64%
58.0	29.883	2.800	2821.687	0.08%	97.73%
59.0	29.312	2.767	2824.455	0.08%	97.83%
60.0	28.815	2.746	2827.201	0.08%	97.92%
61.0	28.442	2.732	2829.933	0.08%	98.02%
62.0	27.974	2.718	2832.652	0.08%	98.11%
63.0	27.323	2.689	2835.341	0.08%	98.21%
64.0	26.299	2.631	2837.972	0.08%	98.30%
65.0	25.165	2.547	2840.519	0.07%	98.39%
66.0	23.870	2.447	2842.966	0.07%	98.47%
67.0	22.795	2.346	2845.312	0.07%	98.55%
68.0	21.931	2.266	2847.578	0.07%	98.63%
69.0	21.405	2.211	2849.788	0.06%	98.71%
70.0	21.149	2.185	2851.974	0.06%	98.78%
71.0	20.849	2.171	2854.144	0.06%	98.86%
72.0	20.578	2.154	2856.299	0.06%	98.93%
73.0	20.293	2.137	2858.436	0.06%	99.01%
74.0	19.942	2.115	2860.551	0.06%	99.08%
75.0	19.605	2.089	2862.64	0.06%	99.15%

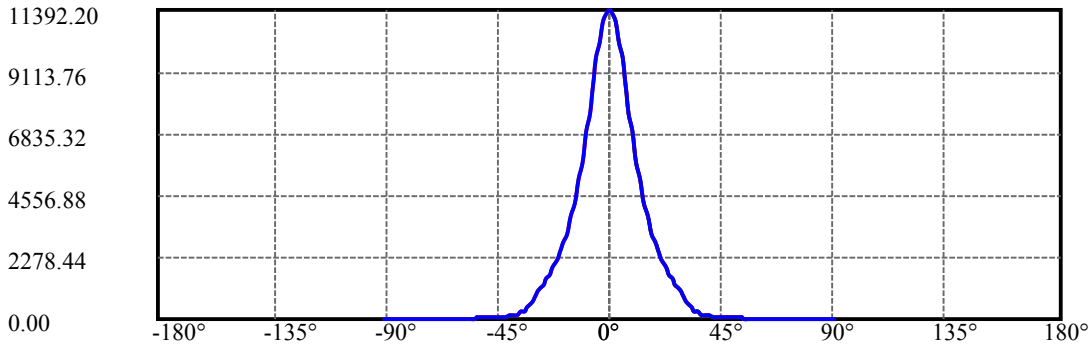
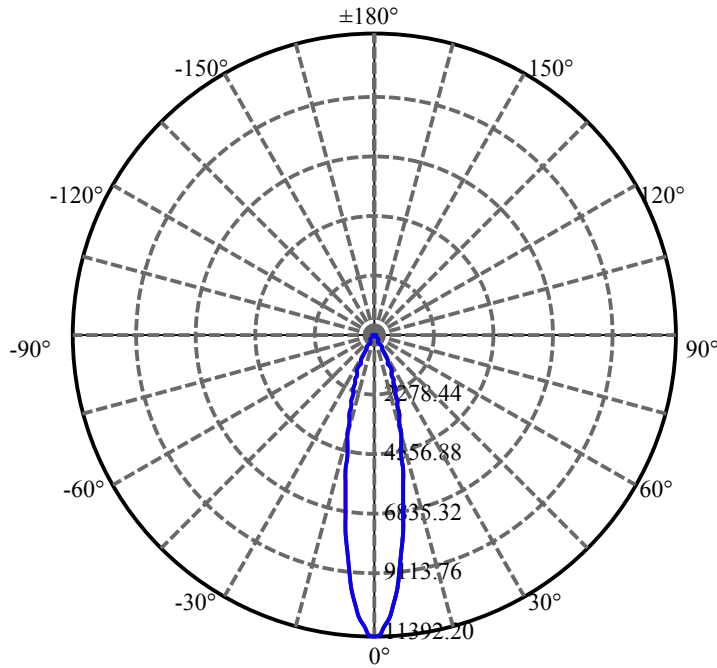
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.049	2.052	2864.692	0.06%	99.22%
77.0	18.318	1.992	2866.685	0.06%	99.29%
78.0	17.586	1.922	2868.607	0.06%	99.36%
79.0	16.869	1.851	2870.458	0.05%	99.42%
80.0	15.962	1.770	2872.228	0.05%	99.48%
81.0	15.018	1.675	2873.903	0.05%	99.54%
82.0	14.557	1.604	2875.507	0.05%	99.60%
83.0	14.192	1.563	2877.07	0.05%	99.65%
84.0	13.848	1.528	2878.597	0.04%	99.70%
85.0	13.548	1.495	2880.093	0.04%	99.76%
86.0	13.160	1.460	2881.553	0.04%	99.81%
87.0	12.875	1.425	2882.977	0.04%	99.86%
88.0	12.597	1.395	2884.373	0.04%	99.90%
89.0	12.531	1.377	2885.75	0.04%	99.95%
90.0	12.465	1.371	2887.121	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2552.42	74.24%	88.41%
0-40	2743.12	79.79%	95.01%
0-60	2827.20	82.23%	97.92%
0-90	2885.75	83.94%	99.95%
0-120	2885.75	83.94%	99.95%
0-180	2887.12	83.98%	100.00%
60-90	58.55	1.70%	2.03%
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%
0-25.53	2309.70	67.18%	80.00%

ZONAL LUMEN SUMMARY

0-10	805.97
10-20	1071.86
20-30	674.59
30-40	190.70
40-50	53.65
50-60	30.43
60-70	24.77
70-80	20.25
80-90	13.52
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: —————

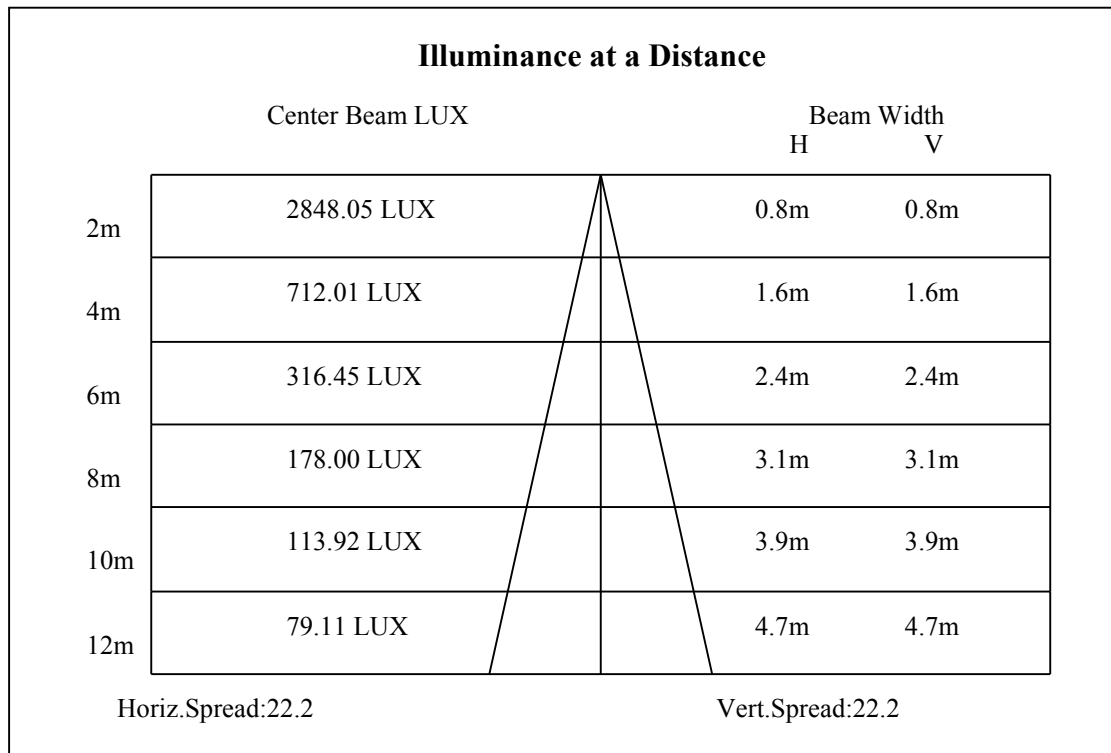
C90/C270: —————

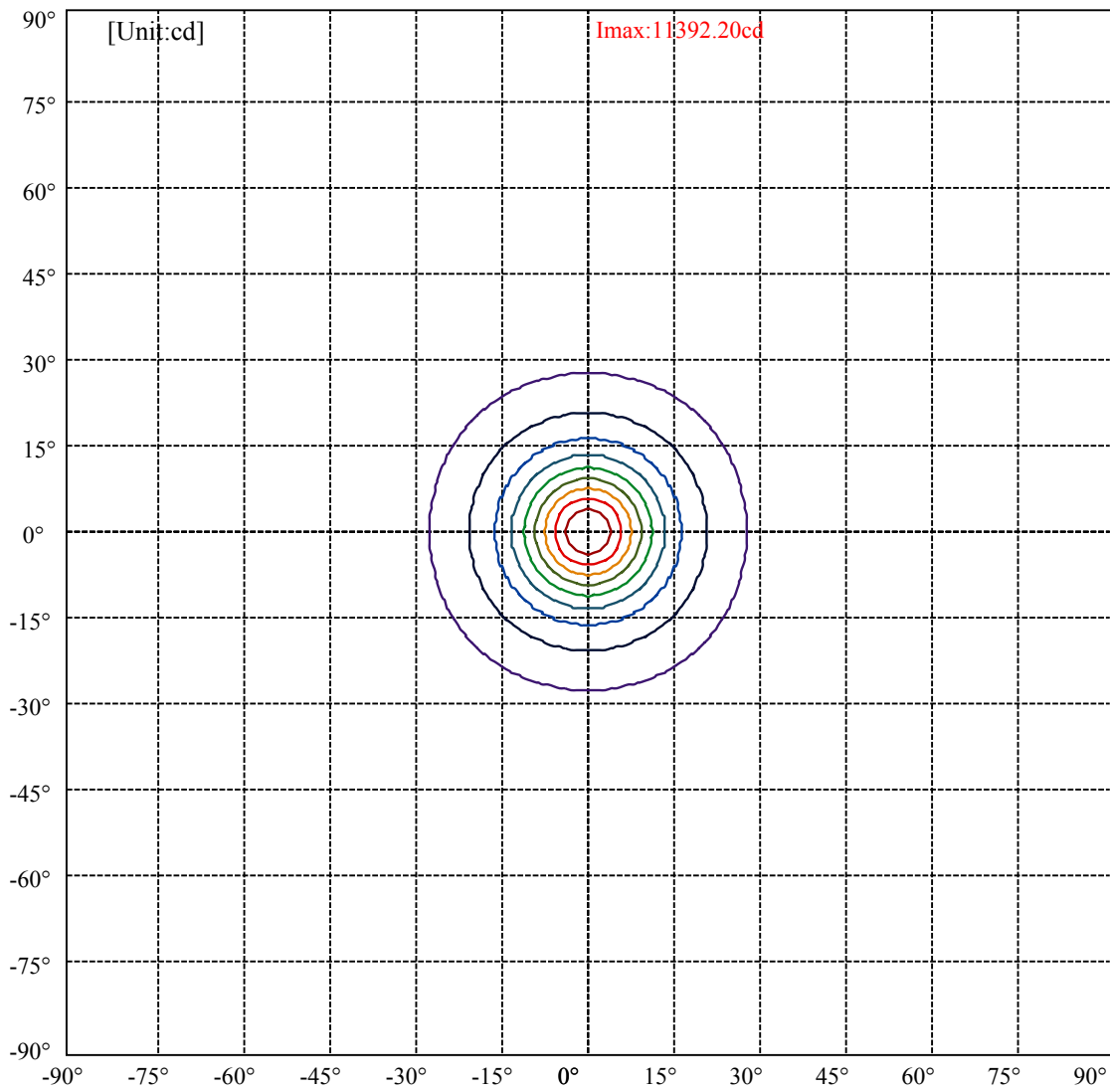
Field angle(10%Imax):C0/180Left:27.3 Right:27.3

:C90/270Left:27.3 Right:27.3

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

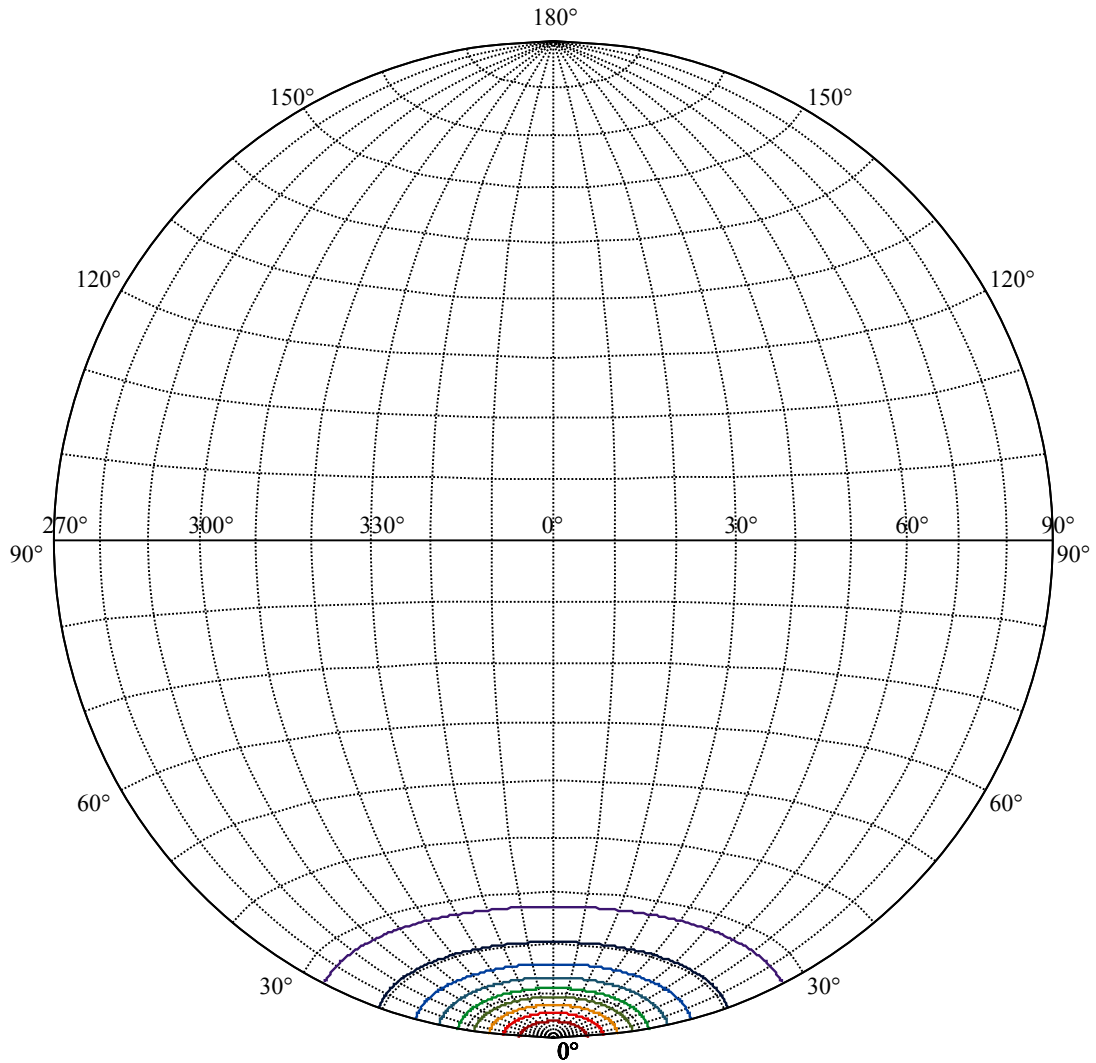
:C90/270Left:11.0 Right:11.0





(10%Imax) 1139.22	—
(20%Imax) 2278.44	—
(30%Imax) 3417.66	—
(40%Imax) 4556.88	—
(50%Imax) 5696.1	—
(60%Imax) 6835.32	—
(70%Imax) 7974.54	—
(80%Imax) 9113.76	—
(90%Imax) 10253	—





House

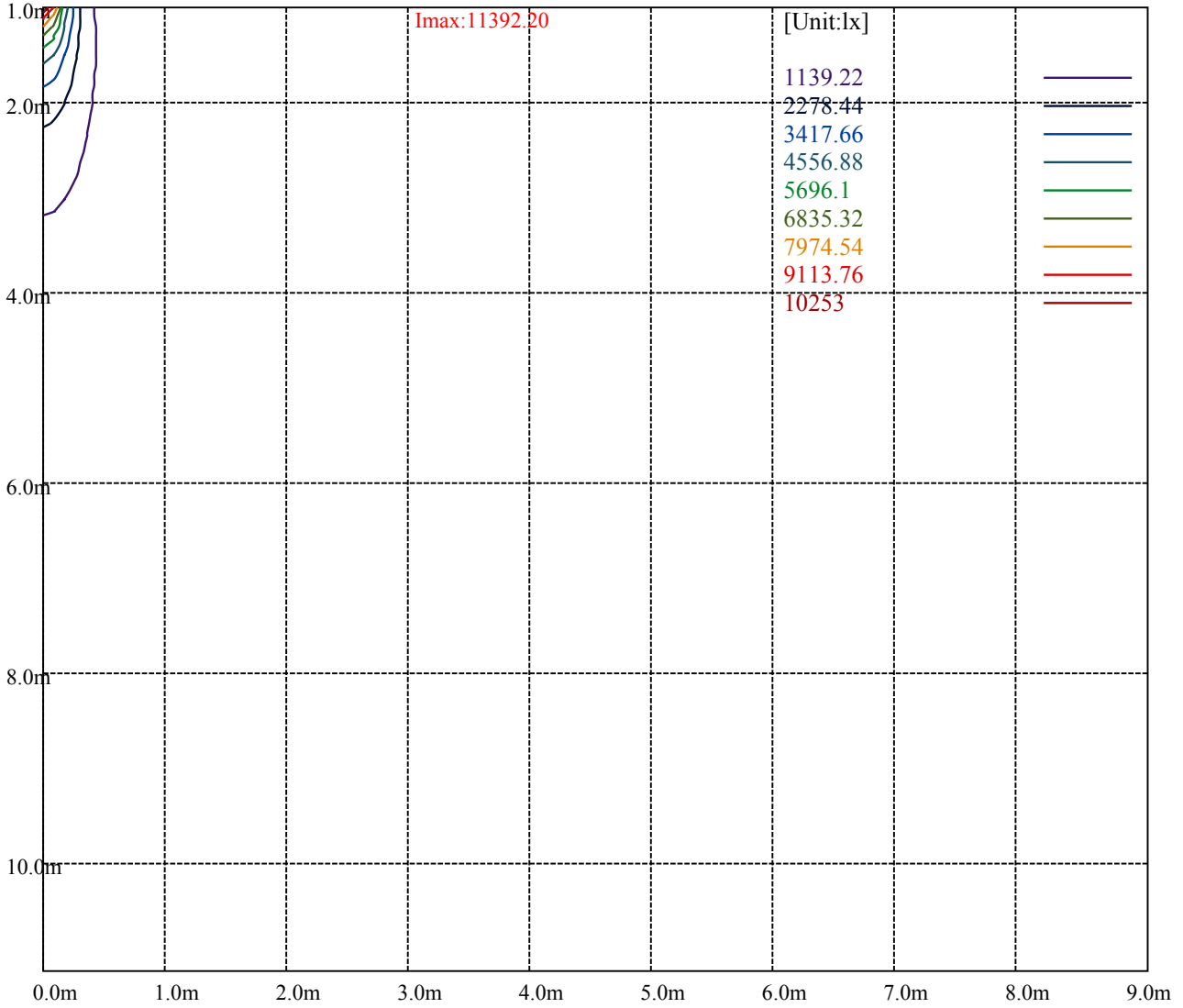
[Unit:cd]

Road

**Imax:11392.20**

(10%Imax)	1139.22	—
(20%Imax)	2278.44	—
(30%Imax)	3417.66	—
(40%Imax)	4556.88	—
(50%Imax)	5696.1	—
(60%Imax)	6835.32	—
(70%Imax)	7974.54	—
(80%Imax)	9113.76	—
(90%Imax)	10253	—





Luminance Table

$\gamma$	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

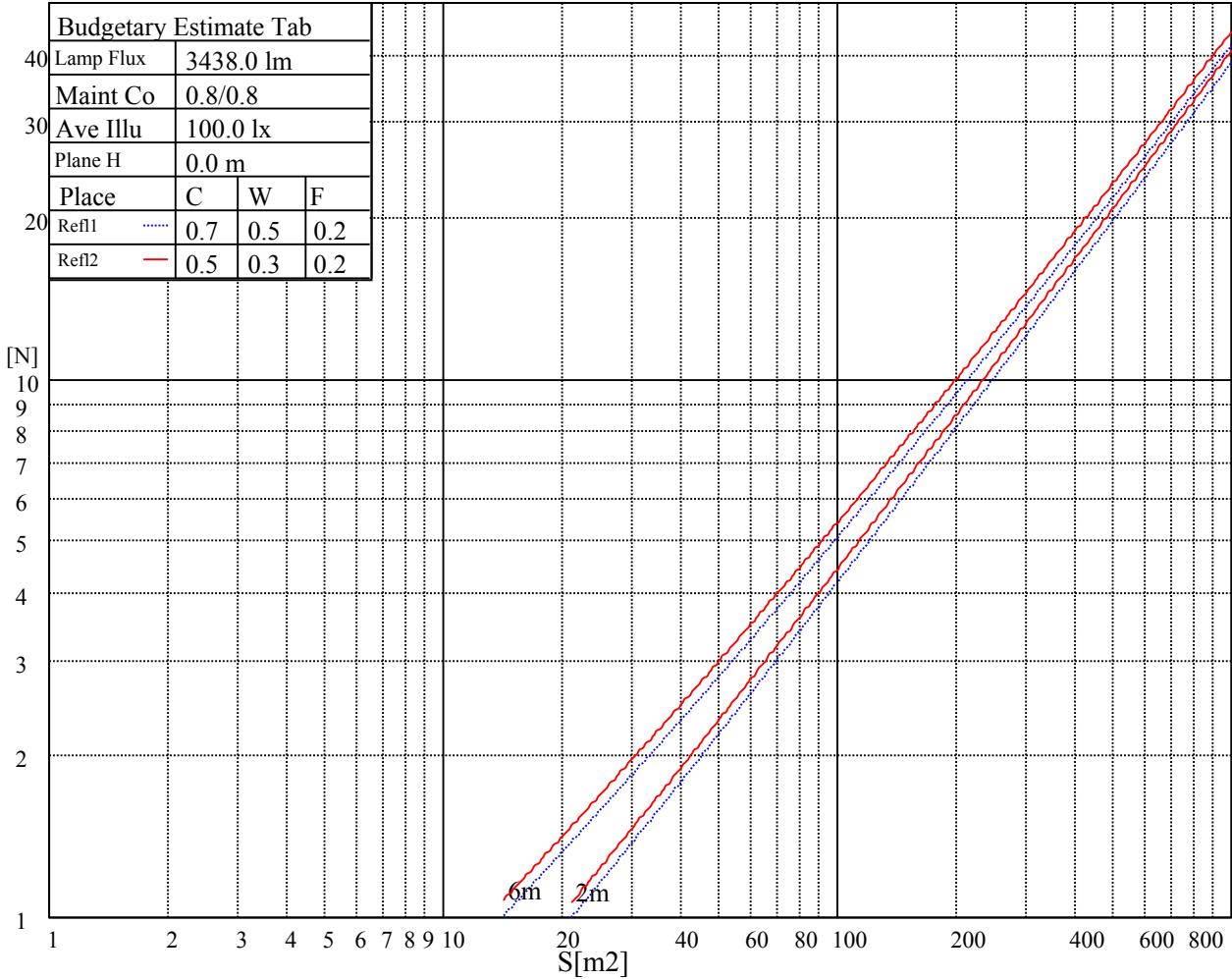
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

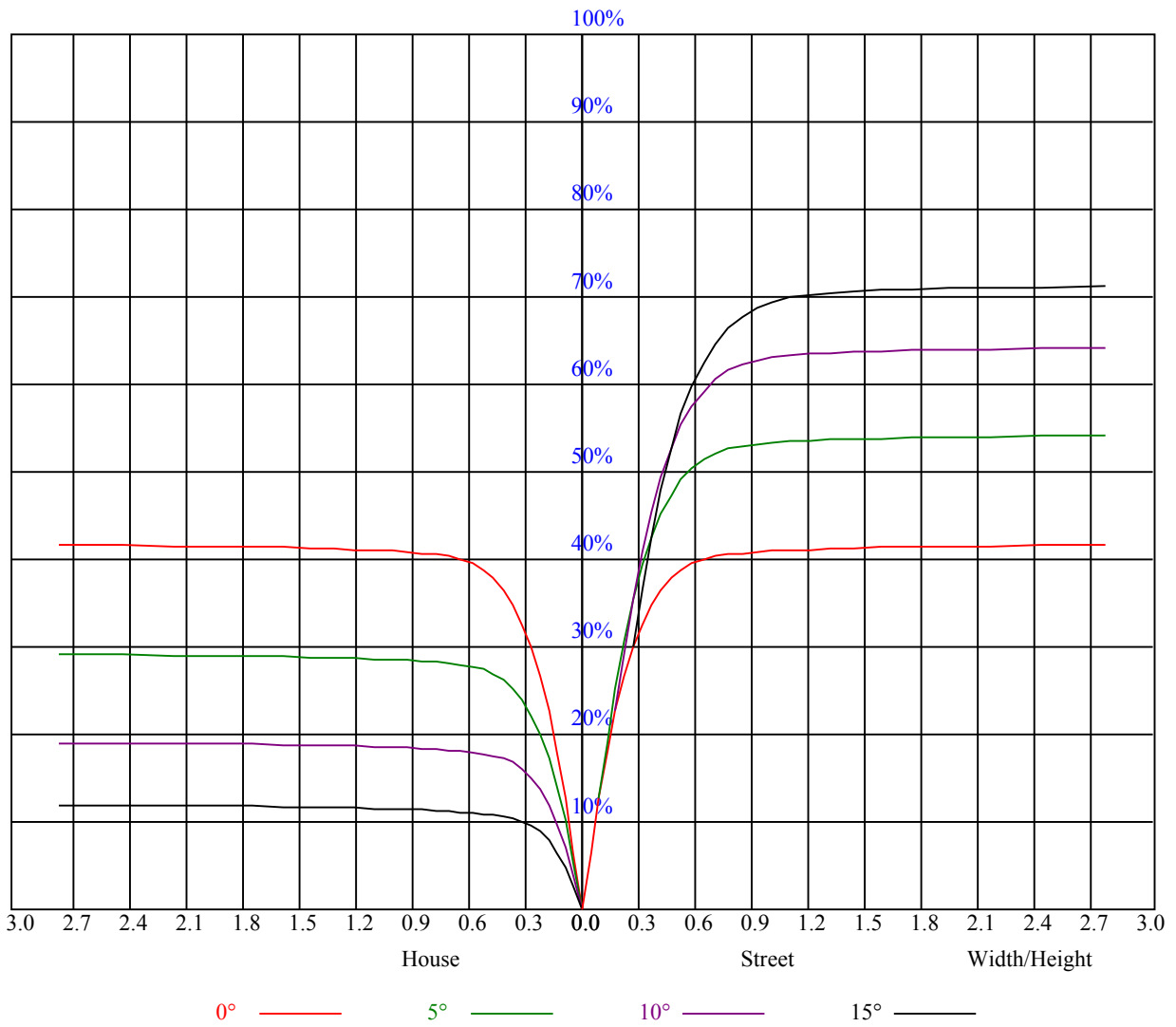


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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					

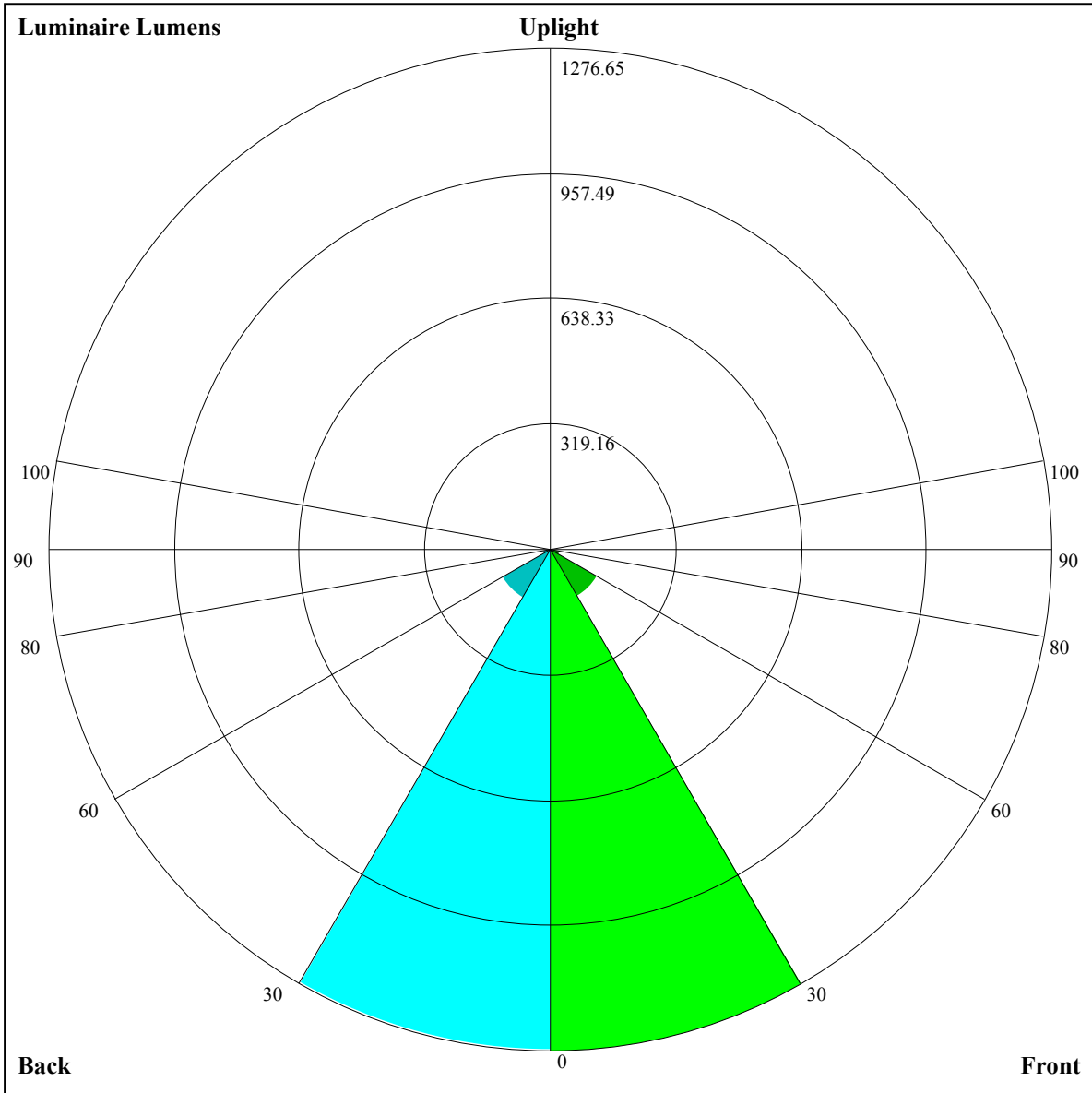
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.84	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	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	0.72
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	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.66	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	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=1276.65,FM=138.74,FH=23.16,FVH=7.53

BL=1275.75,BM=140.7,BH=21.73,BVH=7.43

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	11434.77	11278.51	11013.41	10634.77	9998.63	9413.40	8801.26	8019.40	7415.44
45.0	11315.97	11455.84	11459.93	11267.98	10968.35	10537.62	9874.56	9263.00	8477.63
90.0	11492.12	11472.22	11327.09	10957.81	10504.26	9964.10	9214.43	8594.67	7969.07
135.0	11325.92	11437.11	11403.17	11169.08	10816.77	10353.27	9794.38	9188.09	8417.93
180.0	11434.77	11397.32	11219.99	10896.36	10453.93	9782.68	9176.97	8539.66	7747.27
225.0	11315.97	11045.60	10521.23	9987.51	9402.87	8768.48	7950.34	7324.15	6712.59
270.0	11492.12	11300.17	11009.90	10464.47	9902.07	9301.04	8669.58	7860.80	7224.66
315.0	11325.92	11083.05	10599.07	10091.09	9516.40	8733.96	8098.40	7461.09	6696.79
360.0	11434.77	11278.51	11013.41	10634.77	9998.63	9413.40	8801.26	8019.40	7415.44
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6801.54	6082.30	5547.99	5030.65	4462.40	4055.67	3689.32	3353.98	2995.83
45.0	7870.16	7259.19	6660.50	5955.31	5433.87	4944.62	4482.88	3959.69	3595.68
90.0	7339.37	6577.40	6006.22	5470.74	4964.52	4409.14	3988.95	3538.91	3221.72
135.0	7790.57	7029.78	6429.93	5737.60	5222.61	4739.21	4294.44	3799.92	3448.79
180.0	7144.49	6399.49	5822.46	5278.79	4786.03	4250.55	3842.65	3519.02	3203.58
225.0	5976.96	5449.09	4963.94	4405.05	4000.66	3641.33	3253.91	2980.61	2733.64
270.0	6645.87	6070.60	5394.08	4890.20	4434.31	4050.99	3591.00	3291.95	2967.15
315.0	6112.15	5566.72	4949.89	4505.71	4097.80	3641.33	3320.63	3050.25	2800.95
360.0	6801.54	6082.30	5547.99	5030.65	4462.40	4055.67	3689.32	3353.98	2995.83
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2753.54	2534.08	2341.54	2113.31	1937.15	1748.71	1615.86	1483.60	1147.33
45.0	3279.07	2927.94	2692.68	2474.98	2238.54	2055.37	1838.25	1695.46	1563.78
90.0	2951.35	2647.62	2437.52	2239.71	2059.47	1845.27	1701.31	1569.63	1166.65
135.0	3147.40	2877.02	2596.70	2395.97	2205.77	2032.54	1824.79	1683.17	1552.08
180.0	2858.30	2624.79	2404.75	2168.32	1988.65	1825.96	1651.56	1525.74	1346.66
225.0	2465.03	2274.24	2093.99	1921.94	1772.12	1612.35	1482.43	1156.76	1156.76
270.0	2724.28	2504.24	2264.88	2082.87	1909.65	1759.83	1587.19	1454.93	1310.96
315.0	2578.56	2336.28	2153.10	1937.74	1787.92	1656.25	1489.46	1164.89	1164.89
360.0	2753.54	2534.08	2341.54	2113.31	1937.15	1748.71	1615.86	1483.60	1147.33
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1147.33	999.21	831.14	706.43	590.32	481.35	356.46	270.49	204.71
45.0	1422.74	1238.98	1089.16	949.88	814.69	659.61	545.49	438.98	342.42
90.0	1166.65	1093.26	949.64	813.52	653.23	536.18	404.27	311.87	239.88
135.0	1370.66	1218.50	1034.74	894.87	764.36	612.79	502.18	400.35	312.57
180.0	1202.11	1052.29	913.01	749.73	632.10	523.25	422.59	313.15	313.15
225.0	1010.80	840.73	711.34	591.25	479.94	355.47	272.13	210.04	168.72
270.0	1166.41	982.07	842.20	709.35	558.36	449.51	354.70	312.57	312.57
315.0	1021.22	883.10	747.92	621.74	478.30	375.71	288.22	219.75	169.66
360.0	1147.33	999.21	831.14	706.43	590.32	481.35	356.46	270.49	204.71
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	165.91	141.98	127.29	114.70	103.58	91.30	82.98	73.97	67.71
45.0	299.69	299.69	161.52	139.81	125.47	112.89	99.20	89.31	81.05
90.0	185.40	162.87	146.42	131.68	116.17	104.93	94.81	85.97	76.43
135.0	312.57	185.81	164.62	147.89	133.20	117.57	106.22	96.27	85.38
180.0	229.41	167.90	147.77	133.61	120.67	106.10	95.98	87.14	77.25
225.0	151.22	136.06	122.60	108.03	97.15	87.84	79.47	70.58	64.43
270.0	173.52	150.99	135.42	121.55	109.09	95.27	85.79	77.54	70.23
315.0	149.58	134.72	118.51	107.04	96.50	85.03	77.19	68.59	62.74
360.0	165.91	141.98	127.29	114.70	103.58	91.30	82.98	73.97	67.71

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	62.09	56.06	51.85	48.11	44.89	41.32	39.03	36.99	35.29
45.0	72.04	65.84	60.45	55.65	50.33	46.70	43.54	40.91	38.04
90.0	69.70	63.61	57.24	52.79	48.81	44.48	41.67	38.57	36.46
135.0	77.72	69.47	63.56	58.52	52.73	48.75	45.41	42.66	39.74
180.0	70.46	64.37	58.11	53.72	49.74	46.29	42.66	40.09	37.92
225.0	57.88	53.43	49.39	45.12	42.19	39.74	37.57	35.23	33.71
270.0	62.38	57.18	52.55	47.64	44.30	41.43	38.39	36.40	34.59
315.0	57.59	53.14	49.22	45.12	42.37	39.97	37.92	35.70	34.24
360.0	62.09	56.06	51.85	48.11	44.89	41.32	39.03	36.99	35.29
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.42	32.19	31.02	30.20	29.50	29.03	28.79	28.50	28.09
45.0	36.05	34.12	32.83	31.72	30.55	29.85	29.20	28.85	28.62
90.0	34.70	33.24	31.66	30.61	29.73	29.03	28.44	28.15	27.74
135.0	37.75	36.05	34.53	32.95	31.89	30.96	30.02	29.44	28.97
180.0	35.99	33.94	32.54	31.13	30.20	29.38	28.73	28.44	27.92
225.0	32.30	31.19	30.02	29.38	28.91	28.56	28.15	27.68	26.92
270.0	32.71	31.49	30.43	29.38	28.73	28.44	28.21	27.92	27.39
315.0	33.01	31.66	30.78	29.96	29.55	29.26	28.97	28.56	28.15
360.0	33.42	32.19	31.02	30.20	29.50	29.03	28.79	28.50	28.09
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.51	26.39	25.05	23.99	22.53	22.06	22.88	23.99	23.88
45.0	28.21	27.74	27.10	25.57	24.35	23.17	21.83	20.89	20.01
90.0	27.39	26.63	25.40	23.94	22.77	21.59	20.48	19.66	19.02
135.0	28.38	27.86	27.10	25.34	24.29	23.12	22.06	20.95	20.13
180.0	27.27	26.22	24.87	23.76	22.65	21.30	20.54	19.90	19.20
225.0	25.69	24.40	23.00	21.77	20.95	19.90	19.25	18.79	18.32
270.0	26.86	25.57	24.17	23.00	21.71	21.19	20.66	20.54	20.72
315.0	27.27	25.57	24.64	23.58	23.12	23.12	23.53	24.46	25.52
360.0	27.51	26.39	25.05	23.99	22.53	22.06	22.88	23.99	23.88
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.64	23.12	22.36	21.71	20.95	20.19	19.43	18.67	17.15
45.0	19.31	18.73	18.26	17.85	17.50	17.15	16.68	16.27	15.98
90.0	18.49	17.97	17.62	17.21	16.85	16.39	15.98	15.63	15.16
135.0	19.55	18.90	18.49	18.08	17.56	17.15	16.74	16.27	15.86
180.0	18.67	18.14	17.62	17.21	16.74	16.33	15.98	15.57	15.16
225.0	17.85	17.50	17.09	16.68	16.21	15.80	15.33	14.98	14.69
270.0	21.13	21.65	21.95	21.95	21.65	21.01	19.66	18.55	17.38
315.0	25.98	26.34	26.16	26.16	24.93	22.53	20.89	19.02	16.33
360.0	23.64	23.12	22.36	21.71	20.95	20.19	19.43	18.67	17.15
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.22	14.51	14.10	13.81	13.52	13.23	12.82	12.58	12.35
45.0	15.57	15.04	14.63	14.22	13.87	13.52	13.11	12.82	12.58
90.0	14.81	14.46	14.10	13.81	13.52	13.23	12.99	12.76	12.58
135.0	15.39	15.10	14.63	14.34	13.93	13.52	13.23	12.93	12.70
180.0	14.81	14.28	14.05	13.69	13.40	12.99	12.76	12.52	12.35
225.0	14.28	14.05	13.75	13.28	12.87	12.64	12.58	12.29	12.47
270.0	15.10	14.46	14.05	13.81	13.58	12.99	12.70	12.47	12.58
315.0	14.98	14.57	14.22	13.81	13.69	13.17	12.82	12.41	12.64
360.0	15.22	14.51	14.10	13.81	13.52	13.23	12.82	12.58	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.41
45.0	12.52
90.0	12.35
135.0	12.52
180.0	12.47
225.0	12.41
270.0	12.52
315.0	12.52
360.0	12.41