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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.411.00

Report No: 2024407-B020

Ballast type: AC

Test No: 2024407-C020

Voltage(V): 34.850

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.401

Lamp flux(lm): 2388.0

Power (W): 13.974

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2063.37, Efficiency(%): 86.41% , Luminous Efficacy(lm/W): 147.66

Central intensity(cd): 7598.474, Maximum intensity(cd): 7598.474

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

Beam Angle(50%Imax): [C0/180]Total=23.6

[C90/270]Total=23.6

Field angle(10%Imax): [C0/180]Total=56.2

[C90/270]Total=56.2

Maximum s/h(1/2): C0\_180=0.40 C90\_270=0.40

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(%): 86.41%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.003%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/07  
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	7598.474	0.000	0	0.00%	0.00%
1.0	7580.185	7.263	7.263	0.30%	0.35%
2.0	7493.133	21.635	28.897	0.91%	1.40%
3.0	7338.122	35.471	64.369	1.49%	3.12%
4.0	7121.369	48.401	112.769	2.03%	5.47%
5.0	6830.073	60.018	172.788	2.51%	8.37%
6.0	6472.281	69.907	242.695	2.93%	11.76%
7.0	6065.550	77.822	320.517	3.26%	15.53%
8.0	5607.831	83.544	404.061	3.50%	19.58%
9.0	5122.606	86.964	491.026	3.64%	23.80%
10.0	4635.553	88.308	579.334	3.70%	28.08%
11.0	4180.760	88.093	667.427	3.69%	32.35%
12.0	3725.820	86.430	753.857	3.62%	36.54%
13.0	3308.409	83.479	837.335	3.50%	40.58%
14.0	2934.596	79.910	917.245	3.35%	44.45%
15.0	2603.651	76.032	993.277	3.18%	48.14%
16.0	2301.310	71.871	1065.148	3.01%	51.62%
17.0	2038.251	67.579	1132.727	2.83%	54.90%
18.0	1832.398	63.819	1196.546	2.67%	57.99%
19.0	1647.979	60.551	1257.097	2.54%	60.92%
20.0	1503.428	57.680	1314.776	2.42%	63.72%
21.0	1315.403	54.127	1368.904	2.27%	66.34%
22.0	1244.503	51.442	1420.346	2.15%	68.84%
23.0	1180.172	50.876	1471.222	2.13%	71.30%
24.0	1095.102	49.746	1520.968	2.08%	73.71%
25.0	1013.010	47.934	1568.902	2.01%	76.04%
26.0	931.627	45.903	1614.805	1.92%	78.26%
27.0	851.093	43.615	1658.42	1.83%	80.37%
28.0	765.372	40.925	1699.345	1.71%	82.36%
29.0	680.214	37.821	1737.166	1.58%	84.19%
30.0	591.406	34.334	1771.499	1.44%	85.85%
31.0	500.938	30.398	1801.898	1.27%	87.33%
32.0	418.443	26.339	1828.237	1.10%	88.60%
33.0	353.769	22.750	1850.987	0.95%	89.71%
34.0	296.519	19.680	1870.666	0.82%	90.66%
35.0	264.792	17.432	1888.099	0.73%	91.51%
36.0	247.806	16.321	1904.42	0.68%	92.30%
37.0	182.971	14.050	1918.469	0.59%	92.98%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	155.348	11.293	1929.762	0.47%	93.52%
39.0	131.646	9.796	1939.558	0.41%	94.00%
40.0	112.883	8.528	1948.086	0.36%	94.41%
41.0	95.779	7.430	1955.516	0.31%	94.77%
42.0	81.712	6.449	1961.965	0.27%	95.09%
43.0	69.503	5.601	1967.567	0.23%	95.36%
44.0	60.476	4.906	1972.472	0.21%	95.59%
45.0	52.992	4.361	1976.833	0.18%	95.81%
46.0	47.337	3.924	1980.757	0.16%	96.00%
47.0	43.585	3.616	1984.373	0.15%	96.17%
48.0	40.893	3.415	1987.788	0.14%	96.34%
49.0	38.939	3.278	1991.066	0.14%	96.50%
50.0	37.447	3.185	1994.251	0.13%	96.65%
51.0	36.460	3.127	1997.378	0.13%	96.80%
52.0	35.289	3.079	2000.457	0.13%	96.95%
53.0	34.155	3.021	2003.477	0.13%	97.10%
54.0	32.941	2.957	2006.435	0.12%	97.24%
55.0	31.609	2.881	2009.316	0.12%	97.38%
56.0	30.154	2.791	2012.107	0.12%	97.52%
57.0	28.735	2.693	2014.8	0.11%	97.65%
58.0	27.125	2.583	2017.383	0.11%	97.77%
59.0	25.413	2.456	2019.839	0.10%	97.89%
60.0	23.906	2.330	2022.169	0.10%	98.00%
61.0	22.560	2.217	2024.387	0.09%	98.11%
62.0	21.280	2.113	2026.499	0.09%	98.21%
63.0	20.073	2.011	2028.51	0.08%	98.31%
64.0	18.917	1.913	2030.424	0.08%	98.40%
65.0	17.923	1.823	2032.247	0.08%	98.49%
66.0	16.898	1.737	2033.984	0.07%	98.58%
67.0	15.874	1.648	2035.632	0.07%	98.66%
68.0	15.099	1.569	2037.201	0.07%	98.73%
69.0	14.440	1.507	2038.708	0.06%	98.80%
70.0	13.863	1.454	2040.161	0.06%	98.88%
71.0	13.387	1.408	2041.57	0.06%	98.94%
72.0	12.992	1.372	2042.941	0.06%	99.01%
73.0	12.641	1.340	2044.282	0.06%	99.07%
74.0	12.304	1.311	2045.593	0.05%	99.14%
75.0	12.012	1.285	2046.878	0.05%	99.20%

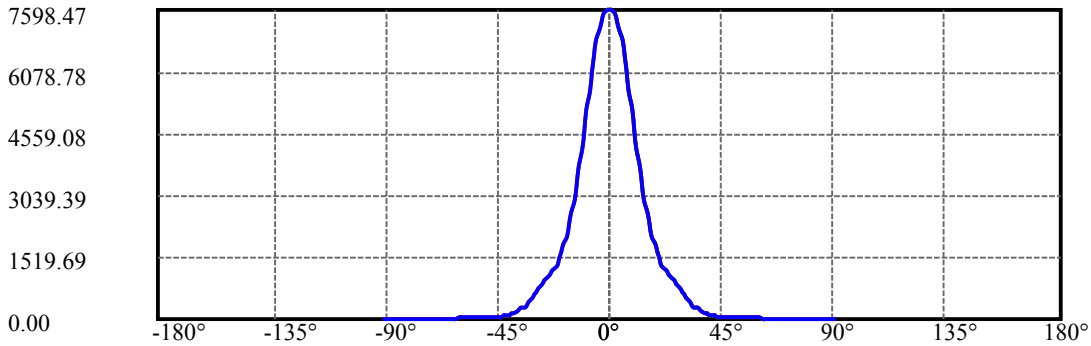
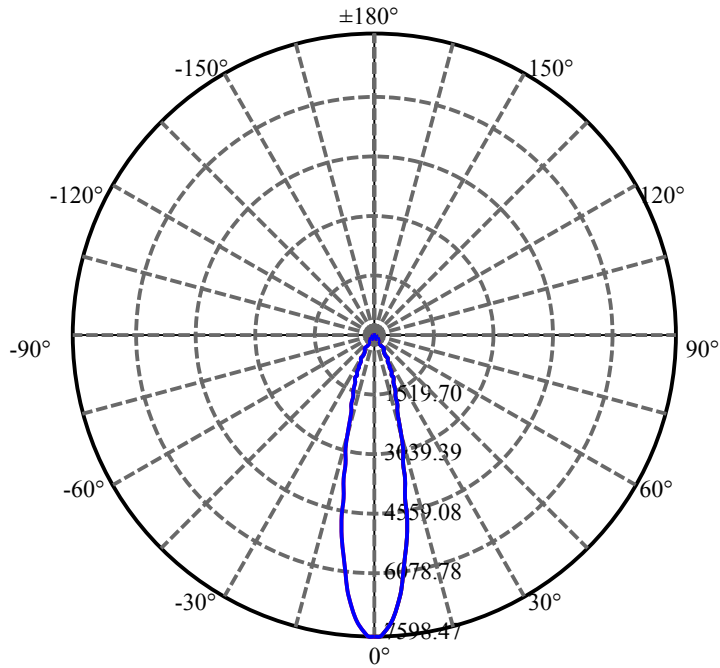
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.712	1.259	2048.137	0.05%	99.26%
77.0	11.463	1.236	2049.373	0.05%	99.32%
78.0	11.178	1.212	2050.585	0.05%	99.38%
79.0	10.914	1.187	2051.772	0.05%	99.44%
80.0	10.636	1.162	2052.934	0.05%	99.49%
81.0	10.410	1.138	2054.072	0.05%	99.55%
82.0	10.154	1.115	2055.187	0.05%	99.60%
83.0	9.934	1.092	2056.279	0.05%	99.66%
84.0	9.707	1.070	2057.349	0.04%	99.71%
85.0	9.495	1.048	2058.397	0.04%	99.76%
86.0	9.320	1.028	2059.426	0.04%	99.81%
87.0	9.115	1.009	2060.435	0.04%	99.86%
88.0	8.998	0.992	2061.427	0.04%	99.91%
89.0	8.844	0.978	2062.405	0.04%	99.95%
90.0	8.778	0.966	2063.371	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1771.50	74.18%	85.85%
0-40	1948.09	81.58%	94.41%
0-60	2022.17	84.68%	98.00%
0-90	2062.40	86.37%	99.95%
0-120	2062.40	86.37%	99.95%
0-180	2063.37	86.41%	100.00%
60-90	40.24	1.68%	1.95%
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%
0-26.82	1650.70	69.12%	80.00%

ZONAL LUMEN SUMMARY

0-10	579.33
10-20	735.44
20-30	456.72
30-40	176.59
40-50	46.16
50-60	27.92
60-70	17.99
70-80	12.77
80-90	9.47
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: —————

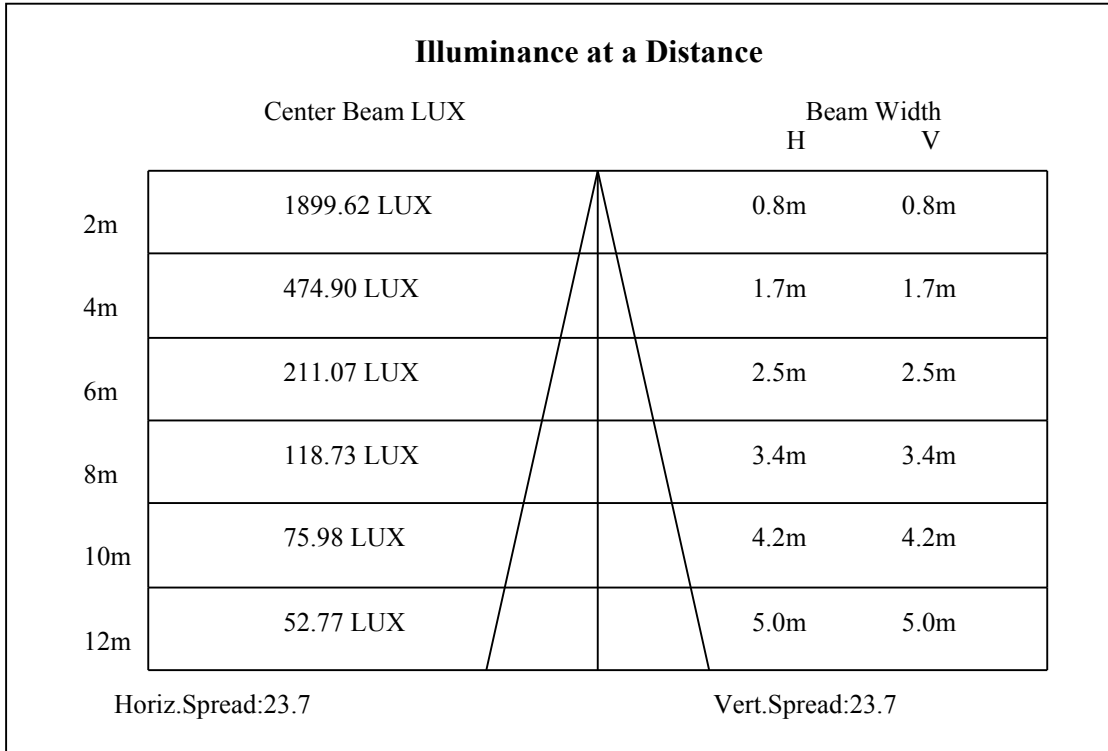
C90/C270: —————

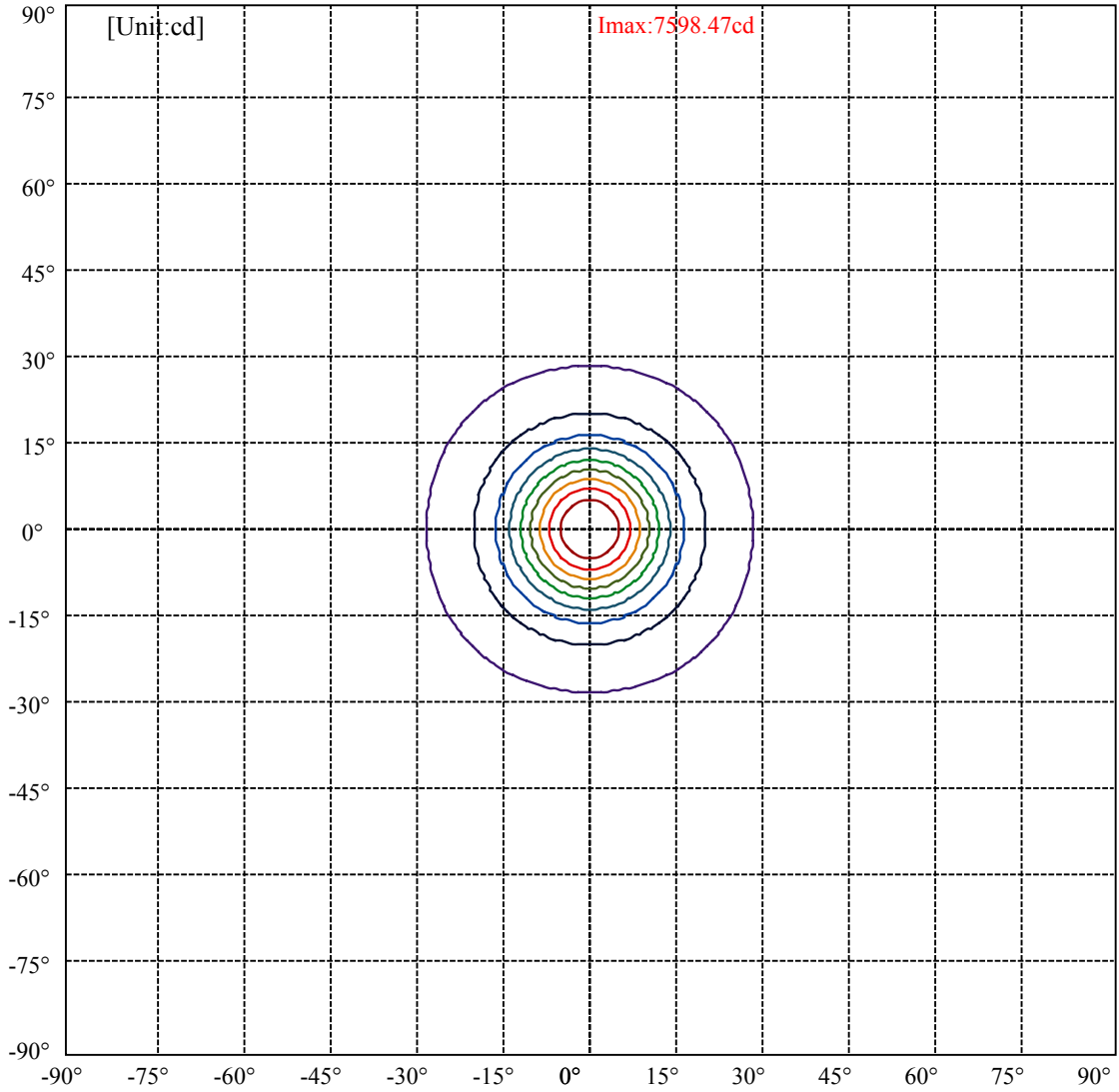
Field angle(10%Imax):C0/180Left:28.1 Right:28.1

:C90/270Left:28.1 Right:28.1

Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8

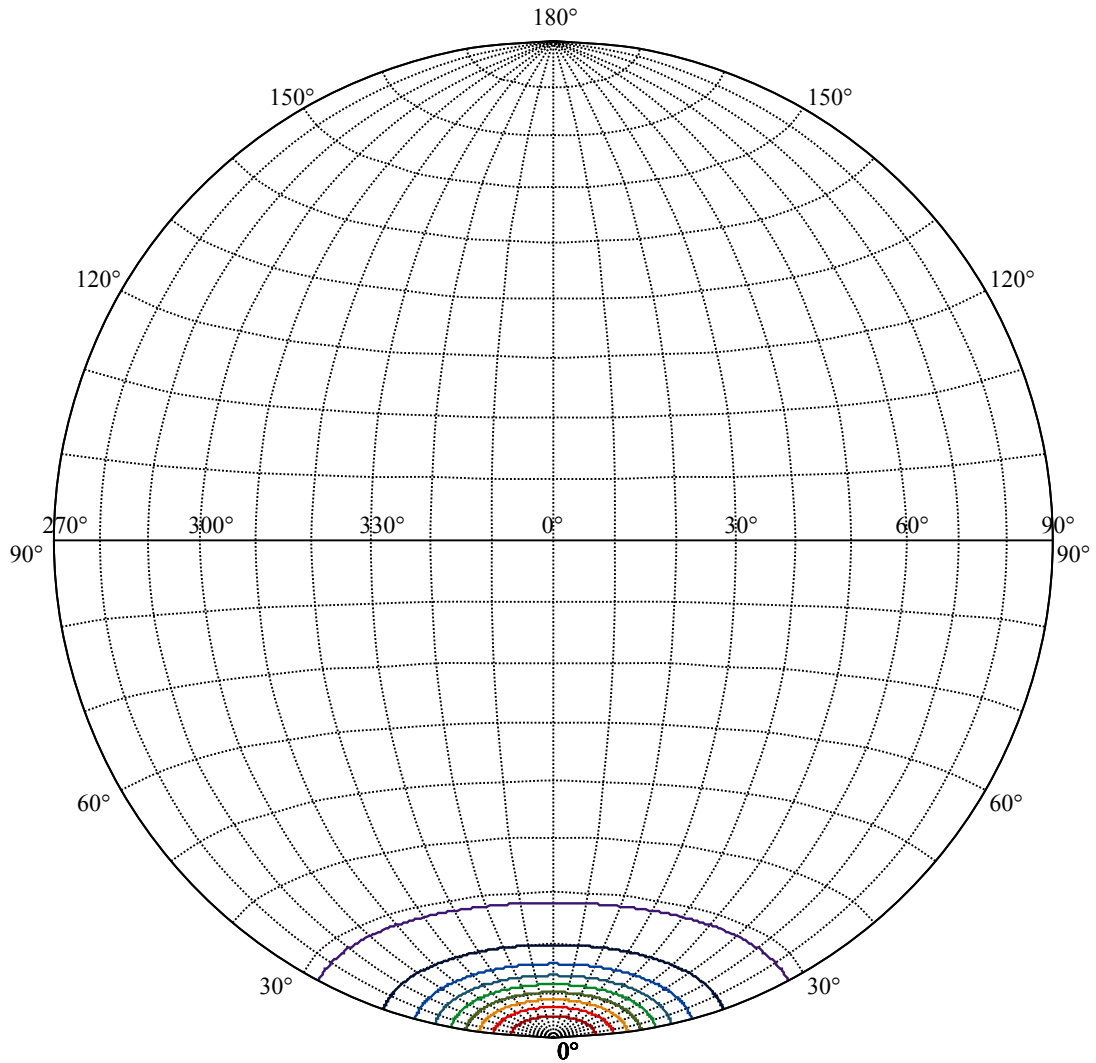
:C90/270Left:11.8 Right:11.8





(10%Imax) 759.847	—
(20%Imax) 1519.69	—
(30%Imax) 2279.54	—
(40%Imax) 3039.39	—
(50%Imax) 3799.24	—
(60%Imax) 4559.08	—
(70%Imax) 5318.93	—
(80%Imax) 6078.78	—
(90%Imax) 6838.63	—





House

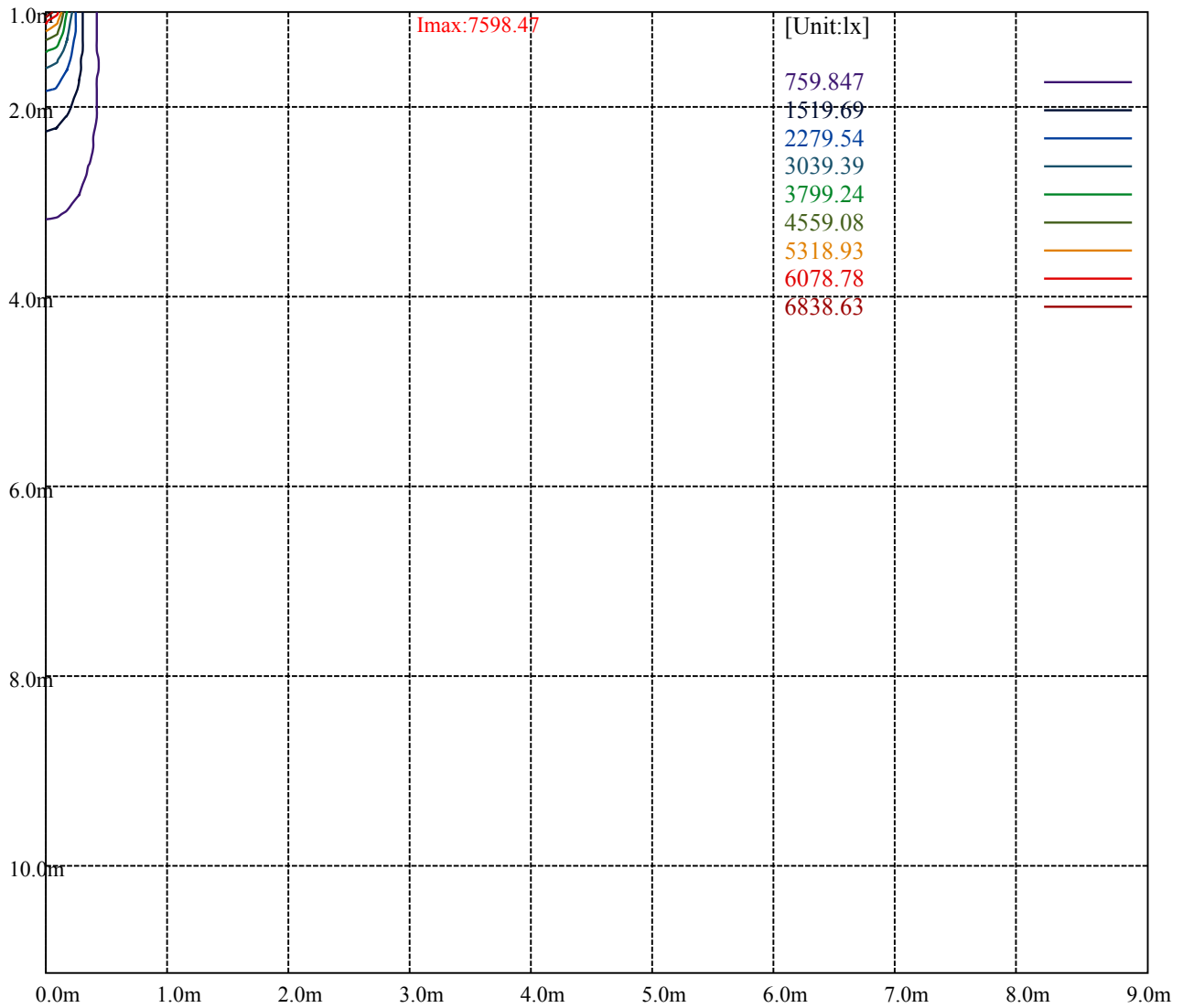
[Unit:cd]

Road

**Imax:7598.47**

(10%Imax) 759.847	—
(20%Imax) 1519.69	—
(30%Imax) 2279.54	—
(40%Imax) 3039.39	—
(50%Imax) 3799.24	—
(60%Imax) 4559.08	—
(70%Imax) 5318.93	—
(80%Imax) 6078.78	—
(90%Imax) 6838.63	—





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

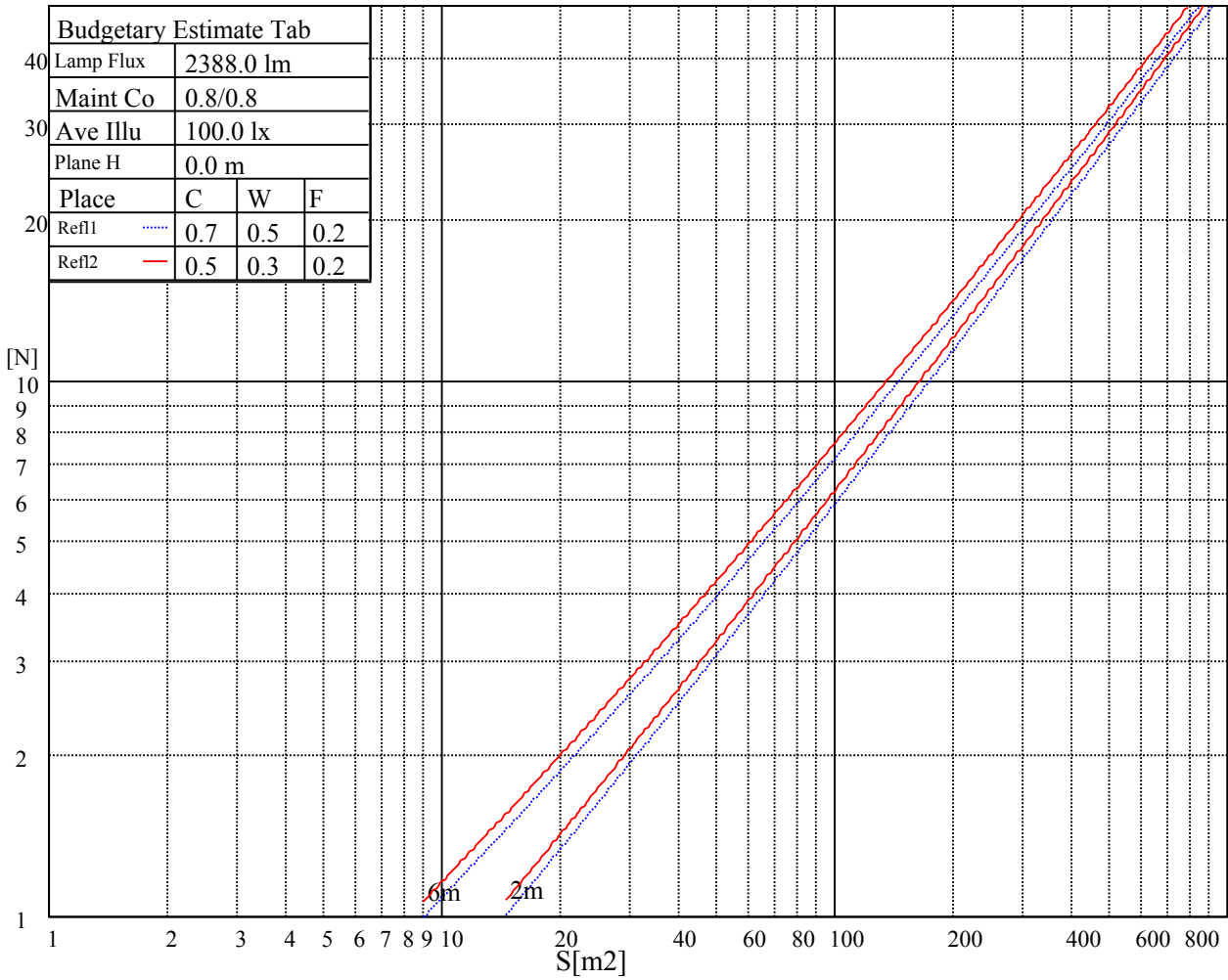
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

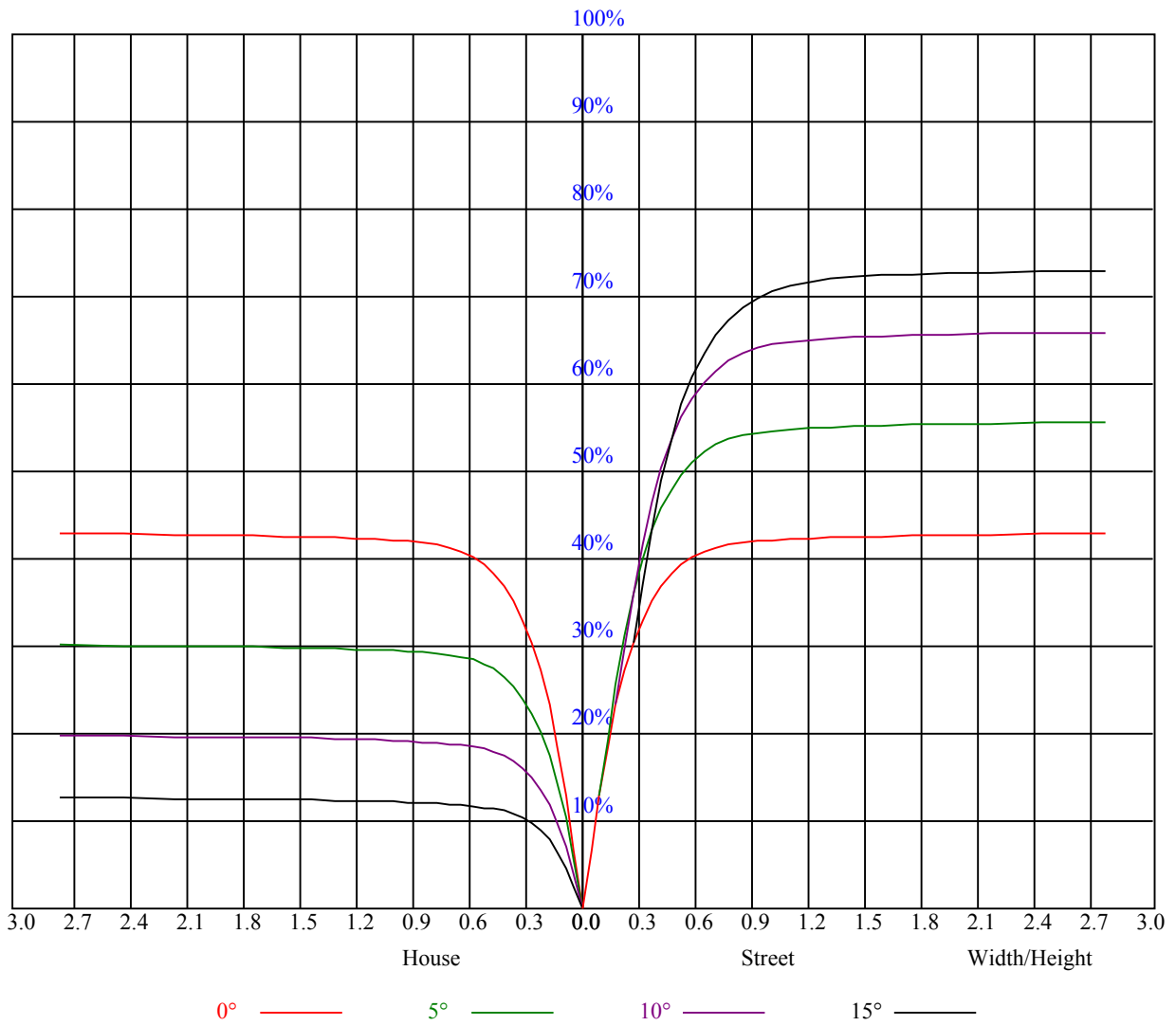


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

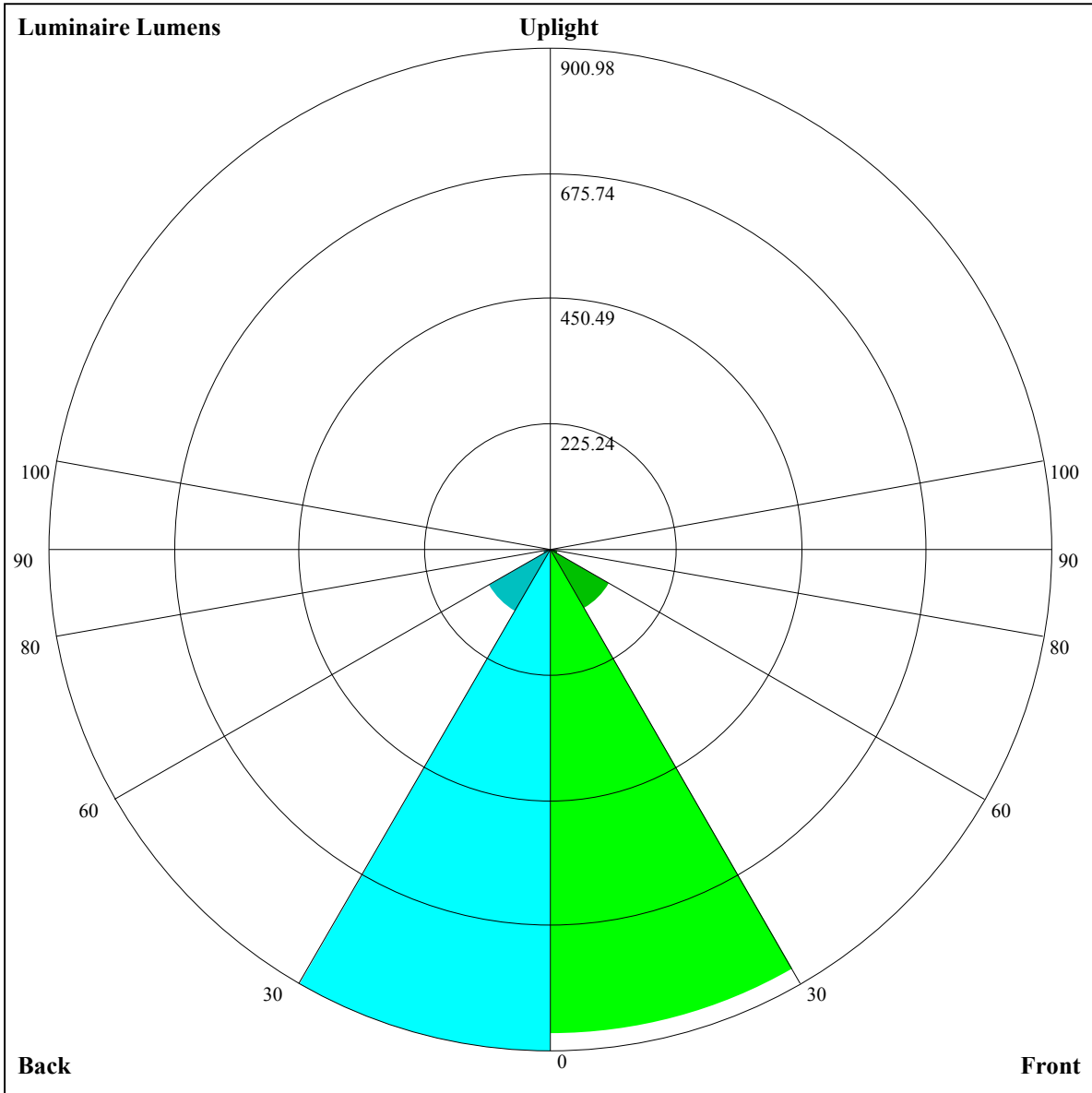
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.95	0.93	0.95	0.93	0.91	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.87	0.84	0.87	0.85	0.83	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.78	0.77	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
7	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
9	0.67	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56







Luminaire Lumens:

FL=871.97,FM=123.67,FH=15.26,FVH=5.2

BL=900.98,BM=128.36,BH=15.56,BVH=5.24

UL=0,UH=0

BUG Rating:B2-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	7601.55	7565.85	7391.45	7169.65	6902.20	6493.13	6103.96	5698.98	5281.71
45.0	7614.42	7601.55	7555.31	7441.78	7271.48	7023.34	6704.98	6367.31	5865.18
90.0	7579.31	7537.76	7471.63	7306.59	7083.04	6784.57	6443.97	5948.29	5518.73
135.0	7598.62	7593.94	7560.00	7514.93	7338.19	7128.10	6855.97	6529.41	6041.92
180.0	7601.55	7616.76	7568.19	7479.23	7320.64	7039.73	6748.87	6387.79	5992.18
225.0	7614.42	7585.74	7447.63	7269.14	6973.01	6648.80	6274.84	5743.46	5265.91
270.0	7579.31	7615.01	7575.80	7416.61	7244.56	7017.49	6618.37	6246.75	5730.00
315.0	7598.62	7524.88	7375.06	7107.03	6837.83	6505.42	6027.29	5602.42	5167.01
360.0	7601.55	7565.85	7391.45	7169.65	6902.20	6493.13	6103.96	5698.98	5281.71
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4859.77	4300.29	3868.40	3468.10	3028.01	2714.92	2426.40	2111.55	1896.77
45.0	5422.75	4914.78	4482.30	4048.06	3531.31	3155.59	2827.28	2449.81	2185.29
90.0	4980.91	4546.67	4106.00	3562.91	3178.42	2837.81	2456.25	2188.80	1965.24
135.0	5610.61	5165.84	4599.34	4149.89	3731.45	3248.06	2904.53	2584.41	2234.45
180.0	5449.09	4969.20	4495.76	3962.03	3559.40	3176.07	2760.56	2471.46	2153.69
225.0	4790.71	4235.33	3824.50	3448.20	3089.46	2673.95	2388.95	2138.47	1920.18
270.0	5286.40	4816.46	4352.96	3822.75	3428.31	3059.61	2733.06	2373.73	2119.16
315.0	4580.61	4135.84	3716.82	3344.62	2920.92	2610.75	2332.18	2092.24	1831.23
360.0	4859.77	4300.29	3868.40	3468.10	3028.01	2714.92	2426.40	2111.55	1896.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1720.62	1536.86	1418.06	1159.27	1159.27	1123.11	1047.67	975.45	883.46
45.0	1965.83	1773.29	1579.58	1455.51	1349.00	1250.10	1142.42	1063.41	988.50
90.0	1776.80	1574.90	1453.17	1268.24	1149.32	1128.61	1045.56	968.31	874.50
135.0	2003.28	1801.38	1638.10	1473.66	1362.46	1261.22	1169.34	1066.34	987.92
180.0	1929.55	1735.84	1586.60	1434.44	1327.93	1232.54	1146.51	1055.22	979.14
225.0	1700.14	1556.76	1437.96	1157.93	1157.93	1137.21	1047.03	974.81	899.78
270.0	1901.45	1682.58	1538.03	1420.98	1296.92	1206.21	1129.54	1035.32	962.75
315.0	1661.51	1522.23	1375.92	1153.19	1153.19	1102.39	1032.75	965.21	876.96
360.0	1720.62	1536.86	1418.06	1159.27	1159.27	1123.11	1047.67	975.45	883.46
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	806.50	724.10	643.10	540.16	462.68	376.48	333.34	275.29	236.61
45.0	892.53	815.28	717.54	636.20	551.93	470.58	382.80	327.20	303.21
90.0	799.42	702.56	622.33	539.75	458.11	368.34	312.04	266.80	219.05
135.0	910.08	812.35	734.52	632.69	549.00	467.65	396.84	324.27	300.28
180.0	900.13	817.03	718.71	629.18	523.83	446.00	374.02	306.72	296.18
225.0	805.09	725.56	639.77	553.04	448.75	378.29	322.40	278.86	233.97
270.0	889.60	798.31	720.47	640.88	557.19	453.61	381.04	323.69	299.69
315.0	805.39	727.79	645.27	559.36	456.01	386.60	327.67	269.32	229.35
360.0	806.50	724.10	643.10	540.16	462.68	376.48	333.34	275.29	236.61
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	196.05	169.01	145.37	120.44	104.23	89.95	77.43	64.32	56.53
45.0	303.21	195.41	167.26	142.50	122.02	101.71	87.96	73.62	64.02
90.0	187.56	160.94	137.59	113.42	98.20	84.74	73.86	62.85	55.77
135.0	300.28	204.54	170.30	145.96	125.94	108.85	90.71	78.01	67.24
180.0	296.18	197.40	165.56	143.20	123.19	105.69	87.14	74.91	64.78
225.0	204.42	177.21	148.18	127.34	109.32	89.71	76.90	66.31	56.59
270.0	299.69	200.38	173.34	144.78	125.24	103.99	89.36	76.66	66.25
315.0	195.06	158.89	135.19	115.52	94.92	81.58	70.34	59.34	52.61
360.0	196.05	169.01	145.37	120.44	104.23	89.95	77.43	64.32	56.53

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	50.56	45.18	42.37	40.61	38.51	37.51	36.46	35.11	34.00
45.0	56.53	49.04	44.42	41.90	39.62	37.92	36.93	35.99	35.05
90.0	48.75	44.54	41.73	39.68	37.75	36.81	36.46	34.76	33.94
135.0	56.65	50.68	44.95	41.84	40.15	38.39	37.22	36.64	35.87
180.0	56.94	49.80	45.59	42.02	40.09	38.16	36.69	35.82	34.47
225.0	50.68	45.94	42.96	40.26	38.16	36.87	35.99	34.41	33.30
270.0	56.53	50.80	46.17	42.25	40.15	38.10	36.99	35.82	34.24
315.0	47.29	42.72	40.50	38.57	37.10	35.82	34.94	33.77	32.36
360.0	50.56	45.18	42.37	40.61	38.51	37.51	36.46	35.11	34.00
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.54	30.84	29.50	27.74	26.28	24.35	22.88	21.89	20.78
45.0	33.94	32.60	31.08	29.96	28.15	26.45	24.99	23.12	21.65
90.0	33.01	31.54	29.90	28.68	26.92	25.16	23.53	22.36	21.19
135.0	34.47	33.77	32.42	31.25	29.61	27.97	26.39	24.46	23.06
180.0	33.59	32.19	30.72	29.32	28.03	26.04	24.70	23.17	21.71
225.0	31.84	30.49	29.26	27.39	25.87	24.40	22.59	21.71	20.66
270.0	33.18	31.54	30.26	28.97	26.98	25.63	24.11	22.71	21.42
315.0	30.96	29.90	28.09	26.57	25.16	23.29	22.06	21.07	19.78
360.0	32.54	30.84	29.50	27.74	26.28	24.35	22.88	21.89	20.78
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.20	18.32	17.50	16.21	15.45	14.86	14.16	13.64	13.28
45.0	20.60	19.37	18.32	17.50	16.33	15.39	14.75	14.05	13.58
90.0	19.84	18.79	17.73	16.74	15.68	14.98	14.28	13.75	13.28
135.0	21.95	20.48	19.25	18.20	17.15	16.09	15.27	14.63	13.93
180.0	20.78	19.49	18.26	17.44	16.15	15.33	14.69	14.10	13.52
225.0	19.37	18.14	17.26	16.21	15.33	14.51	13.99	13.52	13.05
270.0	20.31	19.02	18.20	17.03	15.98	15.22	14.46	13.93	13.40
315.0	18.55	17.73	16.85	15.86	14.92	14.40	13.93	13.28	13.05
360.0	19.20	18.32	17.50	16.21	15.45	14.86	14.16	13.64	13.28
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.82	12.52	12.23	11.94	11.59	11.35	11.12	10.94	10.59
45.0	13.17	12.82	12.41	12.11	11.88	11.53	11.29	10.94	10.83
90.0	12.99	12.58	12.29	11.94	11.65	11.47	11.06	10.83	10.59
135.0	13.46	13.11	12.64	12.35	12.11	11.82	11.53	11.24	10.89
180.0	13.11	12.82	12.52	12.17	11.88	11.70	11.41	11.06	10.71
225.0	12.70	12.35	12.00	11.82	11.47	11.18	10.94	10.71	10.48
270.0	12.99	12.64	12.29	12.00	11.70	11.47	11.12	10.89	10.65
315.0	12.70	12.29	12.06	11.76	11.41	11.18	10.94	10.71	10.36
360.0	12.82	12.52	12.23	11.94	11.59	11.35	11.12	10.94	10.59
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	10.12	9.83	9.66	9.48	9.31	9.07	9.07	8.78
45.0	10.59	10.24	10.07	9.77	9.60	9.42	9.19	9.01	9.01
90.0	10.30	10.07	9.89	9.60	9.42	9.25	9.07	9.01	8.72
135.0	10.71	10.42	10.12	9.95	9.66	9.54	9.25	9.13	9.07
180.0	10.53	10.30	10.07	9.83	9.60	9.42	9.19	9.01	9.01
225.0	10.24	10.01	9.83	9.60	9.42	9.19	9.07	9.01	8.66
270.0	10.36	10.12	10.01	9.71	9.48	9.31	9.13	8.95	8.72
315.0	10.18	9.95	9.66	9.54	9.31	9.13	8.95	8.78	8.78
360.0	10.36	10.12	9.83	9.66	9.48	9.31	9.07	9.07	8.78

Intensity data(cd)

C/γ(°)	90.0
0.0	8.90
45.0	8.72
90.0	8.78
135.0	8.78
180.0	8.72
225.0	8.78
270.0	8.78
315.0	8.78
360.0	8.90