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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024326-B025

Ballast type: AC

Test No: 2024326-C025

Voltage(V): 34.450

LampCAT: Fortimo\_SLM\_C\_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.804

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3494.28, Efficiency(%): 82.61% , Luminous Efficacy(lm/W): 140.88

Central intensity(cd): 8497.088, Maximum intensity(cd): 8502.720

Angle of maximum intensity: C=0.0  $\gamma$ =1.0

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

[C90/270]Total=35.2

Field angle(10%Imax): [C0/180]Total=61.2

[C90/270]Total=61.2

Maximum s/h(1/2): C0\_180=0.58 C90\_270=0.58

Maximum s/h(1/4): C0\_180=0.58 C90\_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.61%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.848%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/26  
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	8497.087	0.000	0	0.00%	0.00%
1.0	8502.719	8.134	8.134	0.19%	0.23%
2.0	8499.135	24.403	32.537	0.58%	0.93%
3.0	8466.509	40.576	73.113	0.96%	2.09%
4.0	8406.669	56.480	129.593	1.34%	3.71%
5.0	8295.989	71.854	201.447	1.70%	5.77%
6.0	8154.218	86.450	287.897	2.04%	8.24%
7.0	7943.025	99.915	387.812	2.36%	11.10%
8.0	7669.140	111.733	499.546	2.64%	14.30%
9.0	7375.722	121.930	621.476	2.88%	17.79%
10.0	7038.560	130.444	751.92	3.08%	21.52%
11.0	6729.707	137.573	889.493	3.25%	25.46%
12.0	6377.475	143.280	1032.774	3.39%	29.56%
13.0	5988.520	146.753	1179.527	3.47%	33.76%
14.0	5621.584	148.608	1328.135	3.51%	38.01%
15.0	5223.557	148.887	1477.022	3.52%	42.27%
16.0	4854.866	147.677	1624.699	3.49%	46.50%
17.0	4452.597	144.942	1769.641	3.43%	50.64%
18.0	4098.389	140.987	1910.629	3.33%	54.68%
19.0	3756.618	136.661	2047.29	3.23%	58.59%
20.0	3431.379	131.560	2178.85	3.11%	62.35%
21.0	3080.390	125.039	2303.889	2.96%	65.93%
22.0	2766.198	117.490	2421.379	2.78%	69.30%
23.0	2495.677	110.408	2531.787	2.61%	72.46%
24.0	2238.910	103.515	2635.302	2.45%	75.42%
25.0	1986.020	96.066	2731.368	2.27%	78.17%
26.0	1715.112	87.366	2818.734	2.07%	80.67%
27.0	1462.543	77.742	2896.476	1.84%	82.89%
28.0	1240.077	68.425	2964.9	1.62%	84.85%
29.0	1117.977	61.693	3026.594	1.46%	86.62%
30.0	941.715	55.611	3082.205	1.31%	88.21%
31.0	792.490	48.260	3130.465	1.14%	89.59%
32.0	659.549	41.599	3172.064	0.98%	90.78%
33.0	536.110	35.225	3207.289	0.83%	91.79%
34.0	426.680	29.137	3236.426	0.69%	92.62%
35.0	344.427	23.948	3260.374	0.57%	93.31%
36.0	289.035	20.170	3280.543	0.48%	93.88%
37.0	236.358	17.135	3297.679	0.41%	94.37%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	172.261	13.639	3311.318	0.32%	94.76%
39.0	146.731	10.888	3322.206	0.26%	95.08%
40.0	111.061	8.991	3331.197	0.21%	95.33%
41.0	93.658	7.290	3338.487	0.17%	95.54%
42.0	81.522	6.365	3344.851	0.15%	95.72%
43.0	73.226	5.732	3350.583	0.14%	95.89%
44.0	67.316	5.304	3355.888	0.13%	96.04%
45.0	62.707	4.997	3360.885	0.12%	96.18%
46.0	58.647	4.746	3365.631	0.11%	96.32%
47.0	55.735	4.549	3370.18	0.11%	96.45%
48.0	53.116	4.400	3374.58	0.10%	96.57%
49.0	50.929	4.273	3378.853	0.10%	96.70%
50.0	48.625	4.151	3383.004	0.10%	96.82%
51.0	46.738	4.035	3387.038	0.10%	96.93%
52.0	45.004	3.937	3390.975	0.09%	97.04%
53.0	43.402	3.846	3394.821	0.09%	97.15%
54.0	41.785	3.755	3398.575	0.09%	97.26%
55.0	40.124	3.656	3402.232	0.09%	97.37%
56.0	38.698	3.562	3405.793	0.08%	97.47%
57.0	37.220	3.471	3409.265	0.08%	97.57%
58.0	35.684	3.371	3412.636	0.08%	97.66%
59.0	34.331	3.273	3415.909	0.08%	97.76%
60.0	33.014	3.182	3419.091	0.08%	97.85%
61.0	31.873	3.097	3422.187	0.07%	97.94%
62.0	30.651	3.013	3425.2	0.07%	98.02%
63.0	29.583	2.930	3428.13	0.07%	98.11%
64.0	28.720	2.861	3430.991	0.07%	98.19%
65.0	27.952	2.805	3433.795	0.07%	98.27%
66.0	27.381	2.761	3436.556	0.07%	98.35%
67.0	27.176	2.743	3439.299	0.06%	98.43%
68.0	27.235	2.756	3442.056	0.07%	98.51%
69.0	27.637	2.799	3444.855	0.07%	98.59%
70.0	28.120	2.864	3447.718	0.07%	98.67%
71.0	28.515	2.927	3450.646	0.07%	98.75%
72.0	28.778	2.979	3453.625	0.07%	98.84%
73.0	28.771	3.009	3456.634	0.07%	98.92%
74.0	28.508	3.011	3459.645	0.07%	99.01%
75.0	28.091	2.990	3462.636	0.07%	99.09%

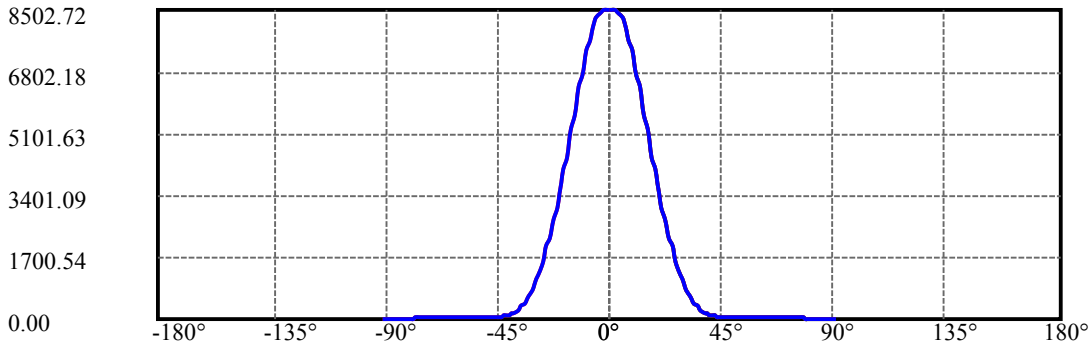
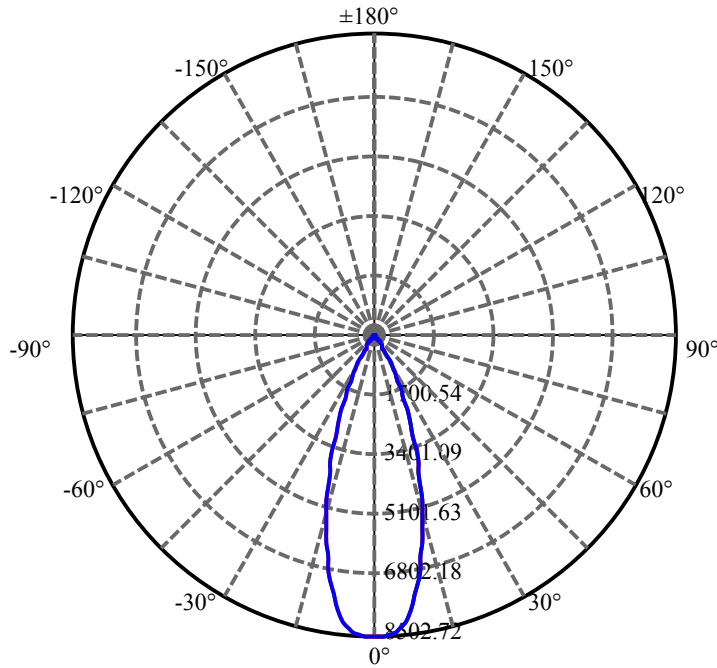
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	27.352	2.943	3465.579	0.07%	99.18%
77.0	26.430	2.867	3468.446	0.07%	99.26%
78.0	25.092	2.758	3471.204	0.07%	99.34%
79.0	23.350	2.603	3473.807	0.06%	99.41%
80.0	21.032	2.393	3476.2	0.06%	99.48%
81.0	19.012	2.166	3478.366	0.05%	99.54%
82.0	17.776	1.995	3480.36	0.05%	99.60%
83.0	17.286	1.906	3482.267	0.05%	99.66%
84.0	16.898	1.862	3484.129	0.04%	99.71%
85.0	16.284	1.811	3485.94	0.04%	99.76%
86.0	15.633	1.745	3487.684	0.04%	99.81%
87.0	15.230	1.689	3489.374	0.04%	99.86%
88.0	14.967	1.654	3491.028	0.04%	99.91%
89.0	14.835	1.634	3492.661	0.04%	99.95%
90.0	14.777	1.624	3494.285	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3082.20	72.87%	88.21%
0-40	3331.20	78.75%	95.33%
0-60	3419.09	80.83%	97.85%
0-90	3492.66	82.57%	99.95%
0-120	3492.66	82.57%	99.95%
0-180	3494.28	82.61%	100.00%
60-90	73.57	1.74%	2.11%
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%
0-25.73	2795.43	66.09%	80.00%

ZONAL LUMEN SUMMARY

0-10	751.92
10-20	1426.93
20-30	903.35
30-40	248.99
40-50	51.81
50-60	36.09
60-70	28.63
70-80	28.48
80-90	16.46
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



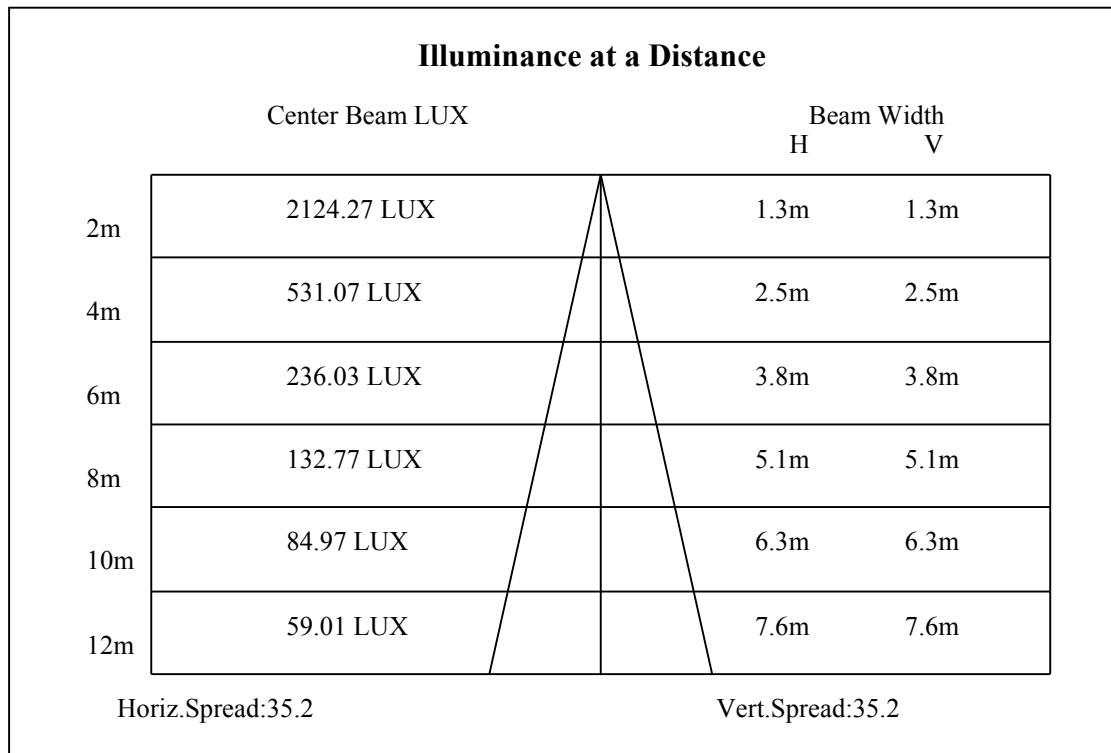
C0(Max): —————

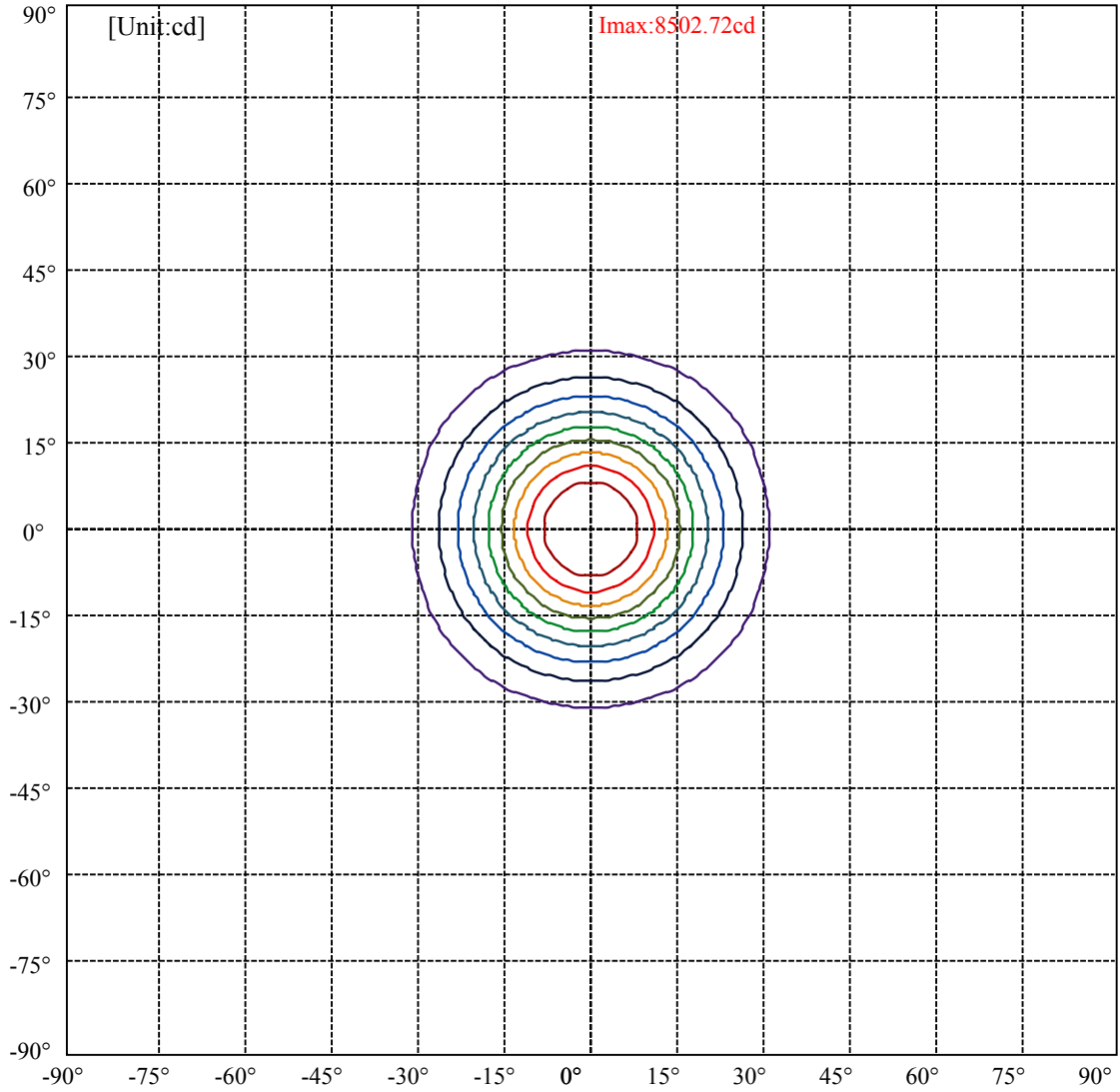
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:31.6 Right:29.6  
:C90/270Left:31.6 Right:29.6

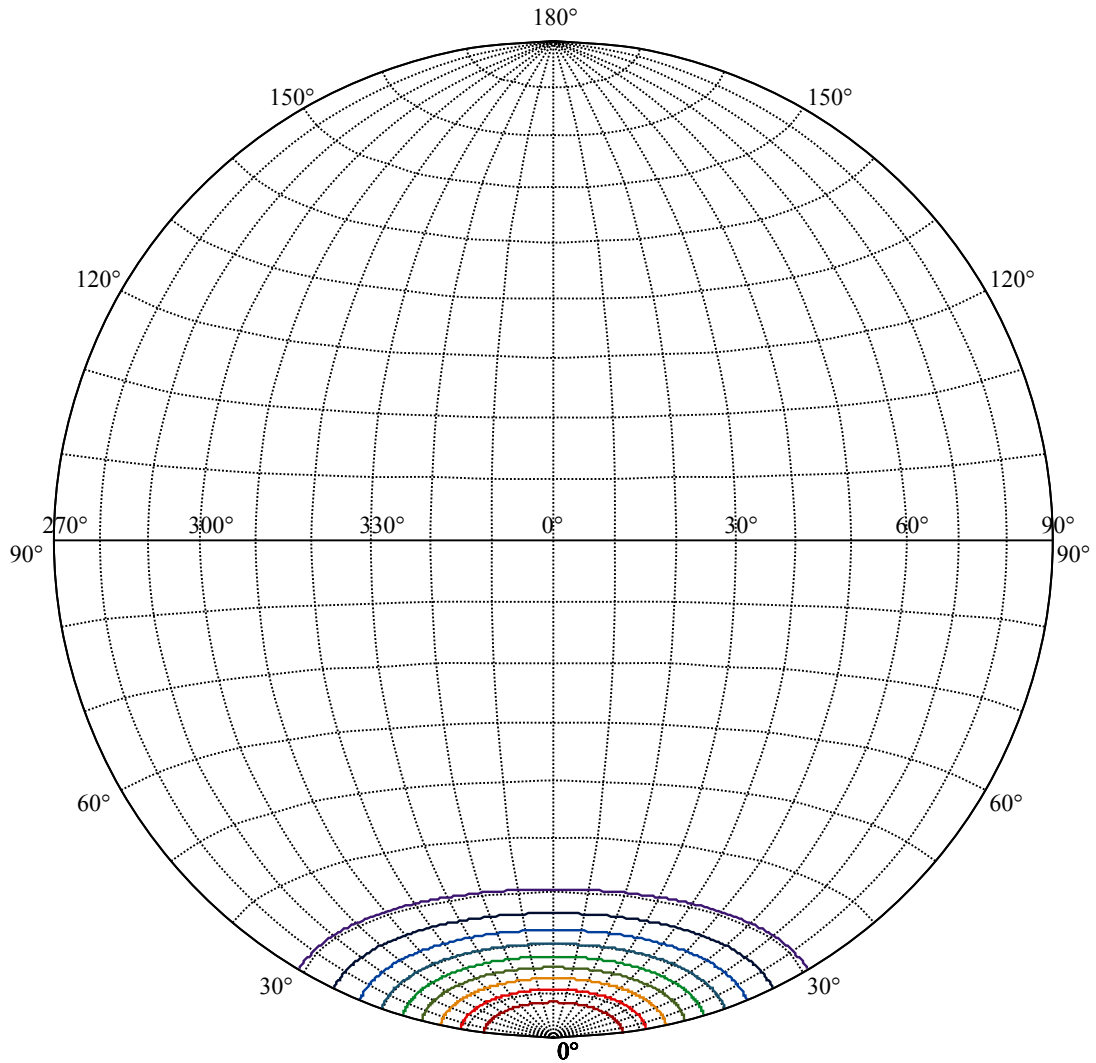
Beam Angle(50%Imax):C0/180Left:18.6 Right:16.6  
:C90/270Left:18.6 Right:16.6





(10%Imax) 850.272	—
(20%Imax) 1700.54	—
(30%Imax) 2550.82	—
(40%Imax) 3401.09	—
(50%Imax) 4251.36	—
(60%Imax) 5101.63	—
(70%Imax) 5951.9	—
(80%Imax) 6802.18	—
(90%Imax) 7652.45	—





House

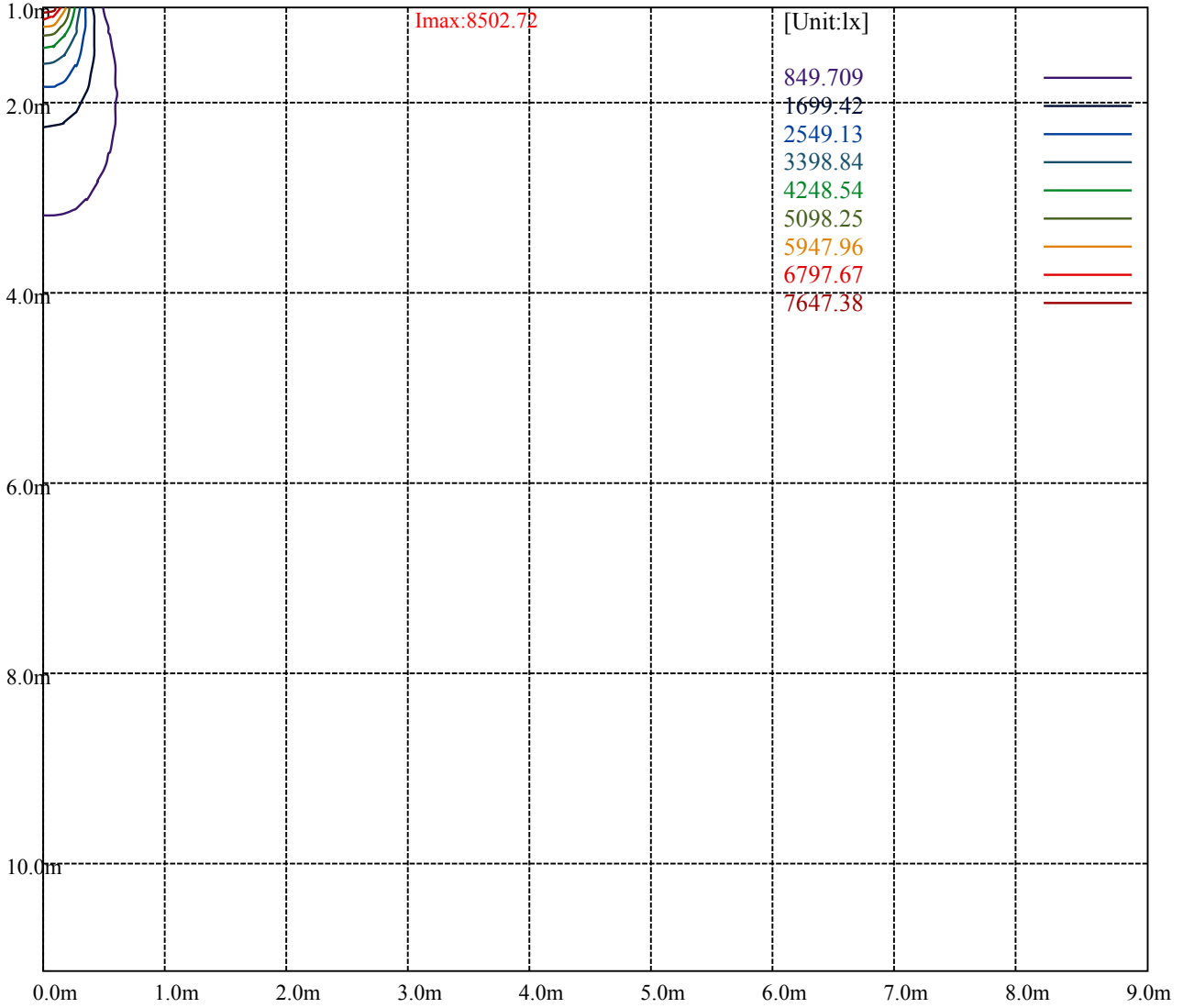
[Unit:cd]

Road

**Imax:8502.72**

(10%Imax)	850.272	—
(20%Imax)	1700.54	—
(30%Imax)	2550.82	—
(40%Imax)	3401.09	—
(50%Imax)	4251.36	—
(60%Imax)	5101.63	—
(70%Imax)	5951.9	—
(80%Imax)	6802.18	—
(90%Imax)	7652.45	—





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

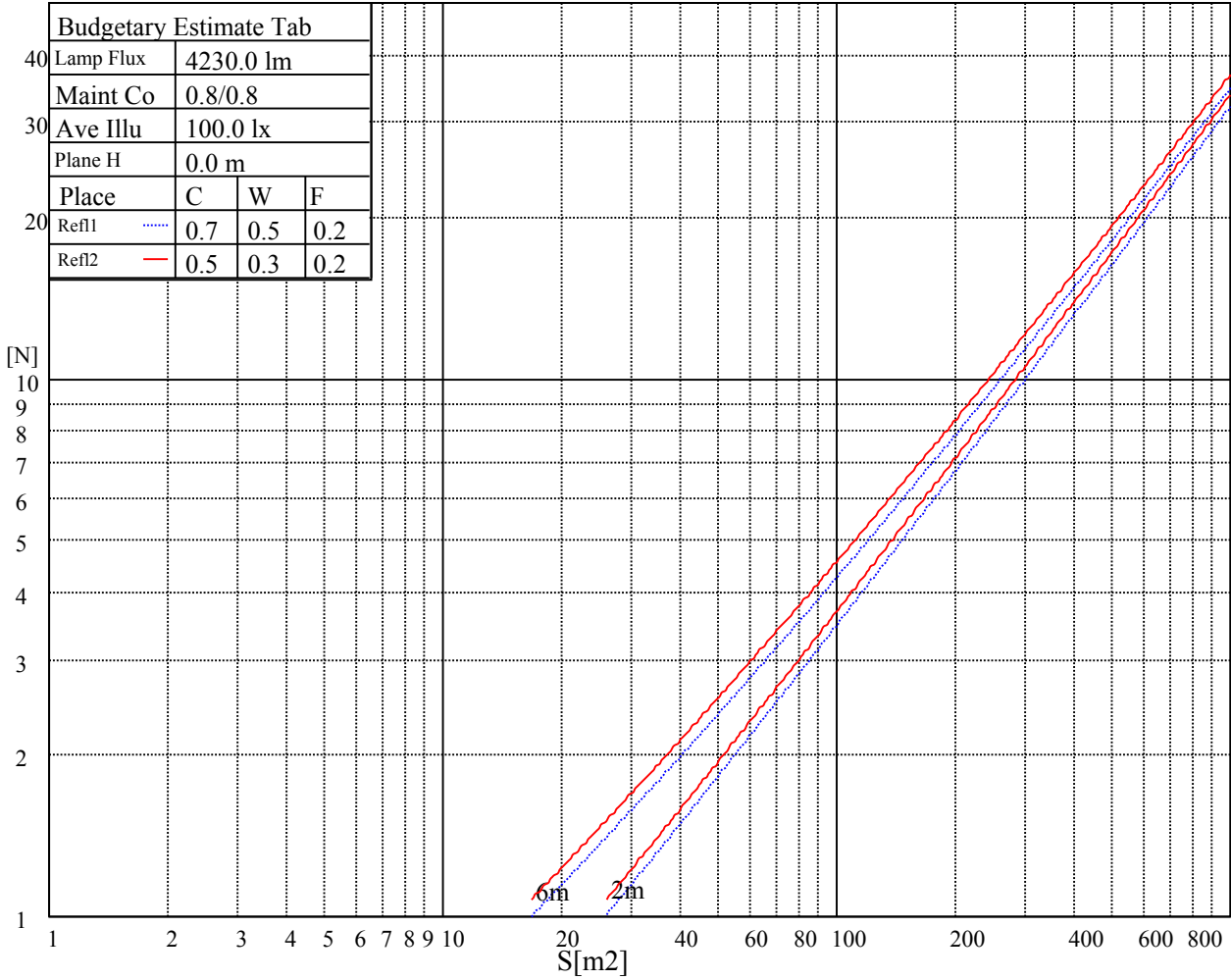
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

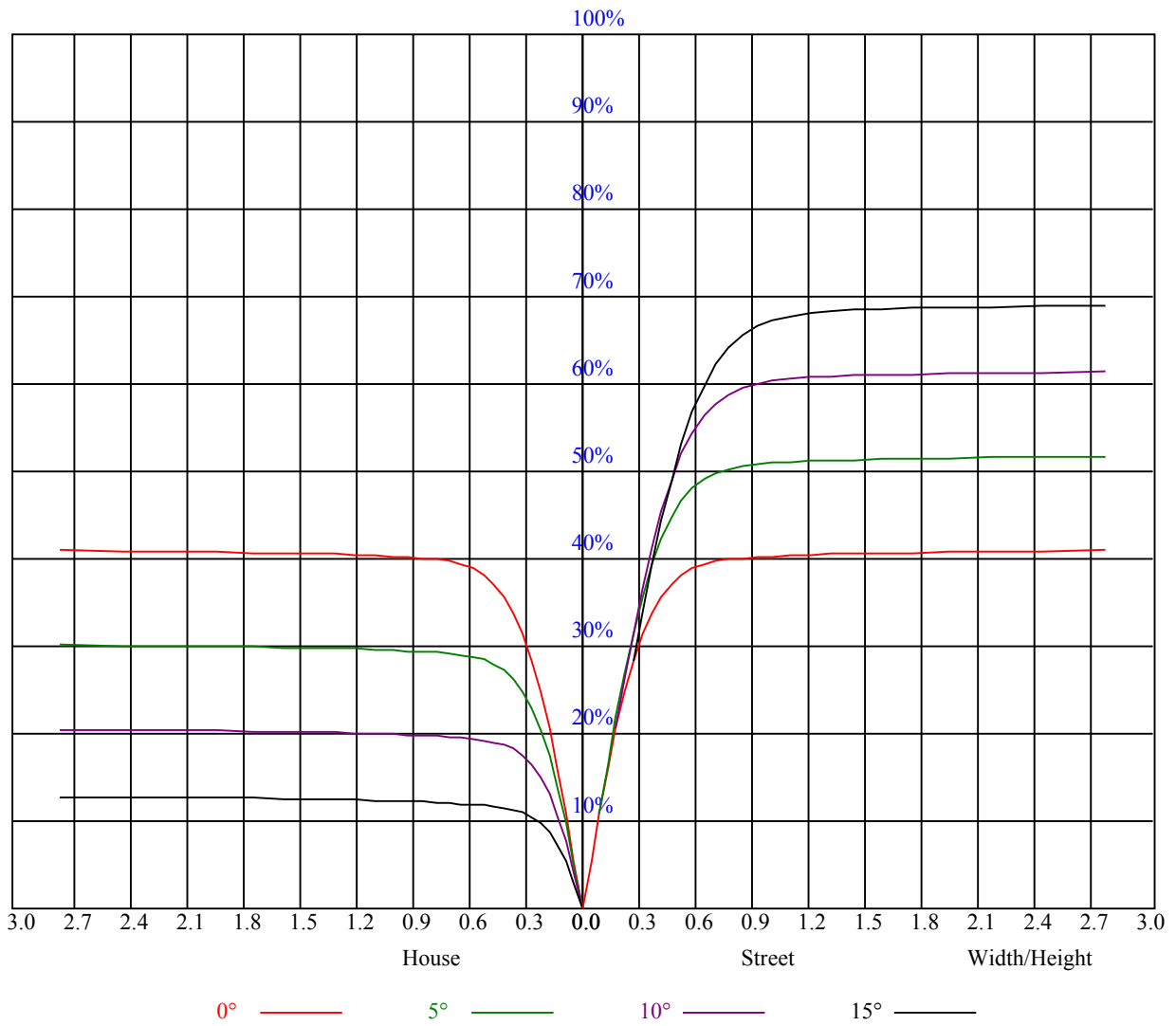


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

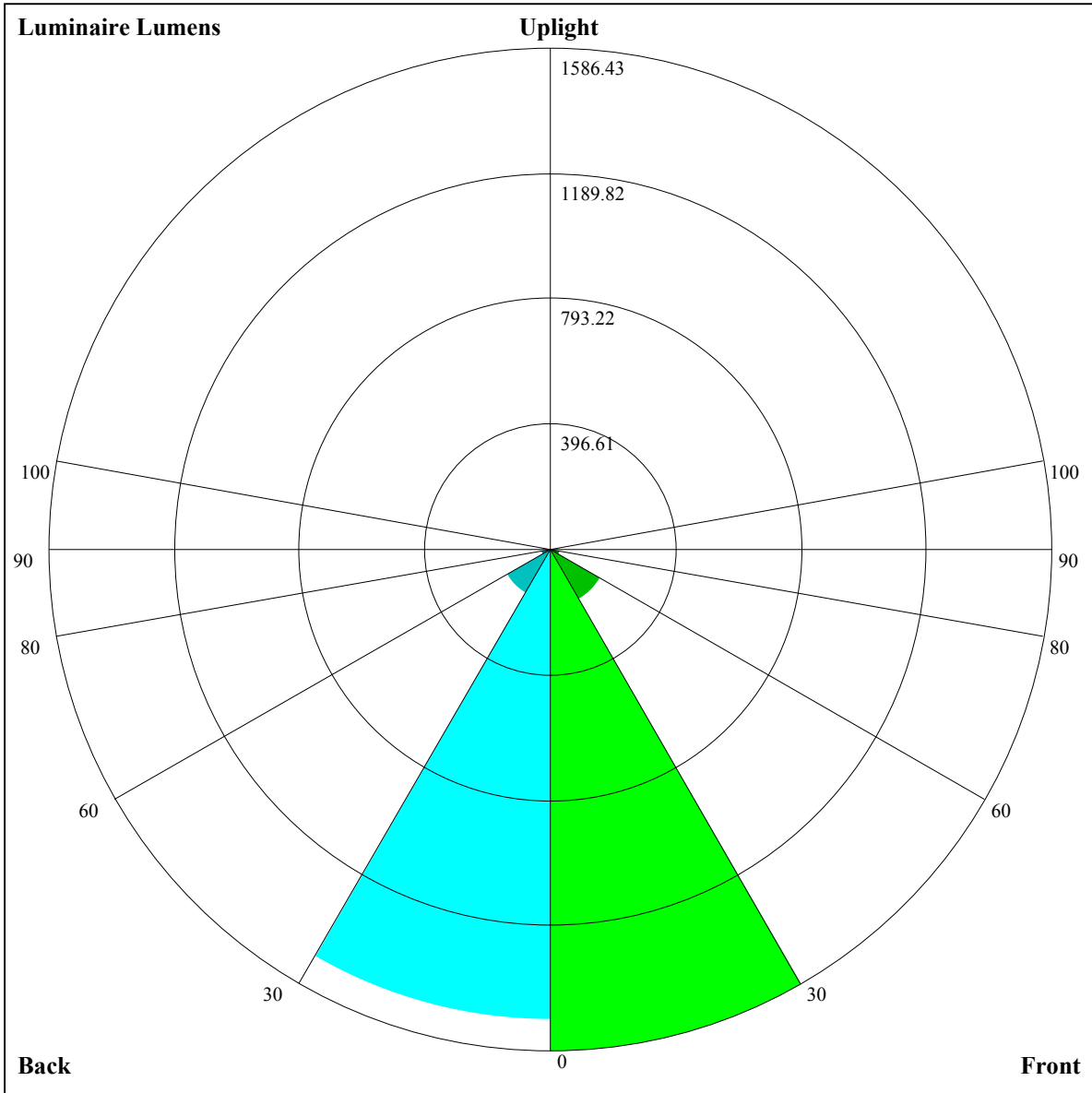
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.80	0.79	0.80	0.78	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	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	0.71	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	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.57	0.56
9	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52







Luminaire Lumens:

FL=1586.43,FM=180.71,FH=28.19,FVH=9.18

BL=1490.76,BM=158.92,BH=30.08,BVH=9.1

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	8534.39	8594.67	8613.99	8583.55	8529.13	8429.05	8295.62	8090.79	7856.70
45.0	8443.68	8530.30	8581.21	8622.18	8585.89	8509.23	8439.00	8324.88	8082.60
90.0	8513.91	8541.42	8560.14	8524.45	8464.17	8357.66	8211.35	7955.02	7692.26
135.0	8496.36	8481.72	8470.02	8461.83	8416.18	8334.83	8219.54	8049.24	7755.46
180.0	8534.39	8468.26	8423.20	8378.14	8320.20	8201.99	8052.17	7840.32	7516.10
225.0	8443.68	8406.23	8368.19	8279.82	8182.67	7977.26	7750.19	7478.65	7159.12
270.0	8513.91	8473.53	8465.34	8434.32	8368.78	8293.28	8172.14	7945.66	7698.69
315.0	8496.36	8525.62	8510.99	8447.78	8386.33	8264.61	8093.72	7859.63	7592.18
360.0	8534.39	8594.67	8613.99	8583.55	8529.13	8429.05	8295.62	8090.79	7856.70
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7528.98	7263.87	6975.36	6572.72	6232.12	5886.84	5417.49	5049.97	4703.51
45.0	7857.87	7606.81	7348.73	7012.81	6712.00	6371.99	5923.12	5548.58	5078.64
90.0	7406.08	7054.95	6736.58	6410.61	5982.81	5628.17	5260.06	4894.30	4460.64
135.0	7474.55	7164.97	6859.48	6546.97	6130.88	5776.81	5409.88	4945.79	4590.56
180.0	7204.18	6865.92	6522.98	6178.86	5727.66	5363.06	5004.32	4659.62	4239.43
225.0	6822.61	6399.49	6055.97	5708.93	5343.16	4896.05	4549.60	4215.43	3796.41
270.0	7403.15	7004.03	6686.84	6354.43	5900.30	5536.87	5172.28	4820.56	4381.05
315.0	7308.35	6948.43	6651.73	6234.46	5879.23	5512.88	5051.72	4704.68	4370.52
360.0	7528.98	7263.87	6975.36	6572.72	6232.12	5886.84	5417.49	5049.97	4703.51
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4292.10	3967.88	3631.96	3237.52	2942.57	2665.17	2408.26	2169.49	1886.24
45.0	4738.04	4413.83	4083.17	3665.91	3344.03	3043.23	2761.74	2437.52	2192.31
90.0	4140.53	3810.46	3482.15	3096.48	2812.65	2541.69	2233.86	2002.70	1782.65
135.0	4253.47	3849.67	3528.38	3212.94	2848.93	2578.56	2326.33	2029.03	1801.97
180.0	3895.90	3506.14	3202.99	2886.39	2559.83	2316.38	2066.49	1793.19	1579.58
225.0	3472.78	3163.20	2801.53	2531.74	2225.08	1995.09	1779.14	1568.46	1139.32
270.0	4035.18	3720.92	3423.62	3009.87	2737.74	2415.87	2168.32	1948.86	1672.05
315.0	3959.11	3620.85	3297.22	3002.26	2658.74	2409.43	2167.15	1938.91	1666.78
360.0	4292.10	3967.88	3631.96	3237.52	2942.57	2665.17	2408.26	2169.49	1886.24
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1669.71	1132.82	1132.82	1046.15	889.07	720.12	597.34	463.91	375.66
45.0	1958.22	1686.09	1481.26	1286.38	1065.75	908.91	737.44	613.37	503.94
90.0	1368.90	1144.11	1144.11	939.70	796.78	667.45	549.23	422.65	340.13
135.0	1586.02	1380.60	1147.68	982.07	835.76	708.18	565.97	464.73	378.70
180.0	1381.19	1192.75	1020.69	827.57	695.89	579.43	452.44	369.34	299.69
225.0	1139.32	973.35	825.58	665.58	553.45	455.48	371.44	286.06	231.11
270.0	1466.63	1280.53	1104.96	897.79	752.07	640.29	527.93	399.18	325.44
315.0	1130.36	1130.36	1086.70	888.49	751.14	596.52	487.08	394.21	300.75
360.0	1669.71	1132.82	1132.82	1046.15	889.07	720.12	597.34	463.91	375.66
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	301.80	242.63	184.46	148.88	122.60	103.12	85.62	75.96	68.82
45.0	409.13	311.40	295.01	295.01	158.01	124.01	104.46	90.12	80.00
90.0	272.54	218.05	165.62	134.66	112.48	92.99	82.05	74.32	67.24
135.0	306.13	306.13	171.41	137.94	113.24	95.98	81.58	73.91	68.41
180.0	299.69	180.42	138.41	113.77	95.80	83.22	73.27	67.83	63.44
225.0	186.51	143.50	117.45	94.57	82.58	74.50	68.82	63.56	60.16
270.0	295.01	295.01	157.89	128.40	103.00	88.90	79.47	71.22	66.31
315.0	241.46	193.71	147.83	120.61	100.78	86.55	76.90	68.88	64.14
360.0	301.80	242.63	184.46	148.88	122.60	103.12	85.62	75.96	68.82

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	63.61	58.93	55.83	52.67	50.50	48.46	46.17	44.59	43.01
45.0	70.99	65.78	61.80	57.76	55.01	52.03	49.80	47.87	46.23
90.0	62.91	58.64	55.77	53.31	51.15	48.69	46.88	45.18	43.54
135.0	64.02	59.69	56.71	54.13	51.91	49.33	47.46	45.47	43.95
180.0	59.99	56.18	53.78	51.56	49.63	47.40	45.88	43.95	42.49
225.0	57.35	54.89	52.32	50.39	48.69	46.82	45.24	43.66	41.84
270.0	62.44	58.41	55.71	53.37	51.32	48.98	47.29	45.71	44.13
315.0	60.34	56.65	53.96	51.73	49.22	47.29	45.18	43.60	42.02
360.0	63.61	58.93	55.83	52.67	50.50	48.46	46.17	44.59	43.01
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.43	39.62	38.27	36.87	35.41	33.71	32.48	31.37	30.02
45.0	44.18	42.66	41.02	39.62	37.92	36.40	35.00	33.77	32.36
90.0	41.96	40.20	38.80	37.28	35.41	34.18	32.66	31.49	30.31
135.0	42.43	40.61	39.15	37.69	35.93	34.65	33.47	32.25	30.72
180.0	41.02	39.39	38.04	36.64	35.05	33.88	32.77	31.66	30.61
225.0	40.50	38.80	37.34	36.05	34.88	33.71	32.25	31.31	30.43
270.0	42.19	40.79	39.44	37.63	36.23	34.70	33.53	32.36	31.25
315.0	40.56	38.92	37.51	35.99	34.65	33.42	31.95	30.78	29.50
360.0	41.43	39.62	38.27	36.87	35.41	33.71	32.48	31.37	30.02
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.97	27.92	27.04	26.16	25.28	24.64	23.99	23.76	24.05
45.0	31.13	29.85	28.91	28.15	27.04	26.22	25.63	25.05	24.58
90.0	29.09	28.21	27.39	26.74	26.69	27.39	28.27	29.14	29.44
135.0	29.73	28.85	27.92	26.80	26.04	25.34	24.46	23.82	23.06
180.0	29.55	28.79	28.03	27.45	27.33	27.62	29.03	30.49	32.19
225.0	29.44	28.68	28.15	27.86	28.09	28.91	31.08	33.07	34.47
270.0	30.20	29.79	29.61	30.08	31.84	33.47	35.05	36.69	37.86
315.0	28.56	27.68	26.57	25.81	25.11	24.29	23.58	22.94	22.47
360.0	28.97	27.92	27.04	26.16	25.28	24.64	23.99	23.76	24.05
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.52	24.46	24.17	23.99	23.76	23.41	22.00	21.01	20.19
45.0	24.76	25.40	25.87	26.04	25.93	25.52	24.76	23.76	22.77
90.0	29.61	29.44	28.73	28.15	27.21	26.45	25.57	24.58	22.06
135.0	22.59	22.06	21.54	20.83	20.42	20.01	19.55	19.02	18.61
180.0	32.77	33.12	33.24	33.01	32.36	30.43	28.03	24.76	21.13
225.0	35.76	36.05	35.99	35.46	33.36	31.19	28.21	24.29	20.07
270.0	38.39	38.33	37.75	36.87	35.93	35.05	33.65	31.02	25.34
315.0	21.83	21.30	20.78	20.37	19.84	19.37	18.96	18.38	18.08
360.0	24.52	24.46	24.17	23.99	23.76	23.41	22.00	21.01	20.19
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.08	17.50	16.85	16.50	16.15	15.80	15.33	15.04	14.86
45.0	21.19	19.25	18.08	17.32	16.74	16.39	15.80	15.45	15.16
90.0	18.26	17.15	16.85	16.50	16.15	15.63	15.33	15.04	15.04
135.0	18.26	17.85	17.50	17.21	16.50	15.57	15.22	14.92	14.81
180.0	18.84	17.79	17.56	17.38	16.04	15.39	14.86	14.69	14.63
225.0	18.14	17.56	17.38	16.85	15.74	15.16	15.04	14.75	14.75
270.0	20.60	17.73	17.09	16.80	16.56	15.74	15.22	14.98	14.75
315.0	17.73	17.38	16.97	16.62	16.39	15.39	15.04	14.86	14.69
360.0	19.08	17.50	16.85	16.50	16.15	15.80	15.33	15.04	14.86

Intensity data(cd)

C/γ(°)	90.0
0.0	14.92
45.0	15.04
90.0	14.75
135.0	14.69
180.0	14.63
225.0	14.75
270.0	14.75
315.0	14.69
360.0	14.92