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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.411.00

Report No: 2024403-B013

Ballast type: AC

Test No: 2024403-C013

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): 2965.35, Efficiency(%): 86.25% , Luminous Efficacy(lm/W): 149.10

Central intensity(cd): 9710.259, Maximum intensity(cd): 9710.259

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

Beam Angle(50%Imax): [C0/180]Total=25.6

[C90/270]Total=25.6

Field angle(10%Imax): [C0/180]Total=58.8

[C90/270]Total=58.8

Maximum s/h(1/2): C0\_180=0.43 C90\_270=0.43

Maximum s/h(1/4): C0\_180=0.46 C90\_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.25%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.975%

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	9710.258	0.000	0	0.00%	0.00%
1.0	9678.802	9.277	9.277	0.27%	0.31%
2.0	9553.418	27.604	36.881	0.80%	1.24%
3.0	9367.097	45.252	82.133	1.32%	2.77%
4.0	9104.770	61.831	143.964	1.80%	4.85%
5.0	8776.605	76.925	220.889	2.24%	7.45%
6.0	8373.824	90.130	311.019	2.62%	10.49%
7.0	7929.857	101.197	412.216	2.94%	13.90%
8.0	7414.713	109.818	522.034	3.19%	17.60%
9.0	6870.600	115.775	637.808	3.37%	21.51%
10.0	6318.294	119.355	757.163	3.47%	25.53%
11.0	5787.202	120.959	878.122	3.52%	29.61%
12.0	5224.947	120.379	998.5	3.50%	33.67%
13.0	4746.965	118.341	1116.842	3.44%	37.66%
14.0	4274.249	115.471	1232.313	3.36%	41.56%
15.0	3835.184	111.330	1343.643	3.24%	45.31%
16.0	3425.893	106.395	1450.038	3.09%	48.90%
17.0	3107.603	101.744	1551.782	2.96%	52.33%
18.0	2811.626	97.595	1649.377	2.84%	55.62%
19.0	2545.568	93.204	1742.581	2.71%	58.76%
20.0	2322.158	89.093	1831.674	2.59%	61.77%
21.0	2131.375	85.517	1917.191	2.49%	64.65%
22.0	1971.974	82.459	1999.65	2.40%	67.43%
23.0	1808.257	79.319	2078.969	2.31%	70.11%
24.0	1675.411	76.165	2155.134	2.22%	72.68%
25.0	1511.344	72.460	2227.594	2.11%	75.12%
26.0	1379.887	68.248	2295.842	1.99%	77.42%
27.0	1237.085	64.025	2359.867	1.86%	79.58%
28.0	1131.840	59.976	2419.843	1.74%	81.60%
29.0	1015.292	56.175	2476.018	1.63%	83.50%
30.0	888.993	51.415	2527.433	1.50%	85.23%
31.0	765.335	46.038	2573.471	1.34%	86.78%
32.0	641.707	40.310	2613.781	1.17%	88.14%
33.0	538.422	34.767	2648.548	1.01%	89.32%
34.0	451.903	29.970	2678.518	0.87%	90.33%
35.0	380.213	25.842	2704.361	0.75%	91.20%
36.0	326.812	22.512	2726.873	0.65%	91.96%
37.0	290.359	20.129	2747.001	0.59%	92.64%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	253.139	18.141	2765.143	0.53%	93.25%
39.0	203.805	15.597	2780.739	0.45%	93.77%
40.0	178.545	13.335	2794.074	0.39%	94.22%
41.0	144.316	11.497	2805.571	0.33%	94.61%
42.0	123.175	9.718	2815.29	0.28%	94.94%
43.0	106.504	8.508	2823.798	0.25%	95.23%
44.0	91.763	7.483	2831.281	0.22%	95.48%
45.0	80.432	6.618	2837.898	0.19%	95.70%
46.0	72.041	5.963	2843.861	0.17%	95.90%
47.0	65.874	5.485	2849.347	0.16%	96.09%
48.0	61.456	5.147	2854.494	0.15%	96.26%
49.0	58.003	4.906	2859.4	0.14%	96.43%
50.0	55.670	4.739	2864.139	0.14%	96.59%
51.0	53.863	4.634	2868.773	0.13%	96.74%
52.0	52.056	4.545	2873.318	0.13%	96.90%
53.0	50.337	4.454	2877.772	0.13%	97.05%
54.0	48.508	4.357	2882.129	0.13%	97.19%
55.0	46.613	4.246	2886.375	0.12%	97.34%
56.0	44.411	4.113	2890.488	0.12%	97.48%
57.0	42.275	3.964	2894.452	0.12%	97.61%
58.0	39.832	3.797	2898.248	0.11%	97.74%
59.0	37.579	3.619	2901.867	0.11%	97.86%
60.0	35.172	3.437	2905.304	0.10%	97.98%
61.0	33.109	3.259	2908.563	0.09%	98.08%
62.0	31.302	3.104	2911.667	0.09%	98.19%
63.0	29.444	2.954	2914.621	0.09%	98.29%
64.0	27.842	2.811	2917.432	0.08%	98.38%
65.0	26.233	2.676	2920.108	0.08%	98.47%
66.0	24.711	2.542	2922.65	0.07%	98.56%
67.0	23.329	2.416	2925.066	0.07%	98.64%
68.0	22.063	2.299	2927.365	0.07%	98.72%
69.0	21.134	2.204	2929.569	0.06%	98.79%
70.0	20.285	2.127	2931.696	0.06%	98.87%
71.0	19.547	2.059	2933.755	0.06%	98.93%
72.0	18.969	2.003	2935.757	0.06%	99.00%
73.0	18.413	1.955	2937.712	0.06%	99.07%
74.0	17.944	1.911	2939.623	0.06%	99.13%
75.0	17.469	1.871	2941.495	0.05%	99.20%

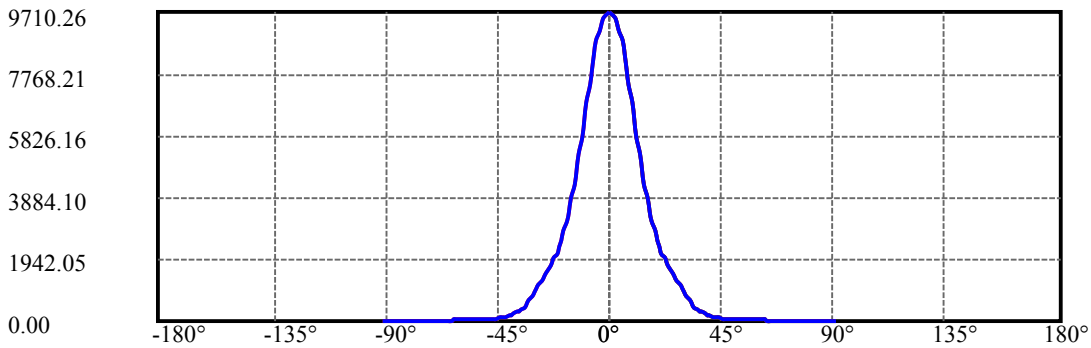
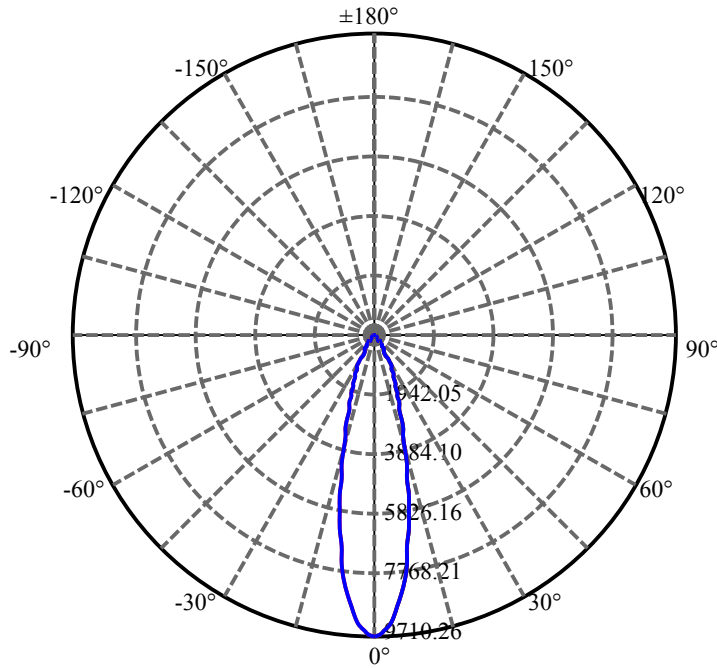
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.059	1.833	2943.327	0.05%	99.26%
77.0	16.664	1.798	2945.125	0.05%	99.32%
78.0	16.247	1.762	2946.887	0.05%	99.38%
79.0	15.786	1.721	2948.608	0.05%	99.44%
80.0	15.435	1.683	2950.292	0.05%	99.49%
81.0	15.040	1.648	2951.94	0.05%	99.55%
82.0	14.660	1.611	2953.55	0.05%	99.60%
83.0	14.331	1.576	2955.126	0.05%	99.66%
84.0	14.002	1.543	2956.67	0.04%	99.71%
85.0	13.702	1.512	2958.182	0.04%	99.76%
86.0	13.416	1.482	2959.664	0.04%	99.81%
87.0	13.211	1.457	2961.121	0.04%	99.86%
88.0	12.919	1.431	2962.553	0.04%	99.91%
89.0	12.729	1.406	2963.958	0.04%	99.95%
90.0	12.670	1.393	2965.351	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2527.43	73.51%	85.23%
0-40	2794.07	81.27%	94.22%
0-60	2905.30	84.51%	97.98%
0-90	2963.96	86.21%	99.95%
0-120	2963.96	86.21%	99.95%
0-180	2965.35	86.25%	100.00%
60-90	58.65	1.71%	1.98%
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%
0-27.21	2372.28	69.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	757.16
10-20	1074.51
20-30	695.76
30-40	266.64
40-50	70.06
50-60	41.17
60-70	26.39
70-80	18.60
80-90	13.67
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

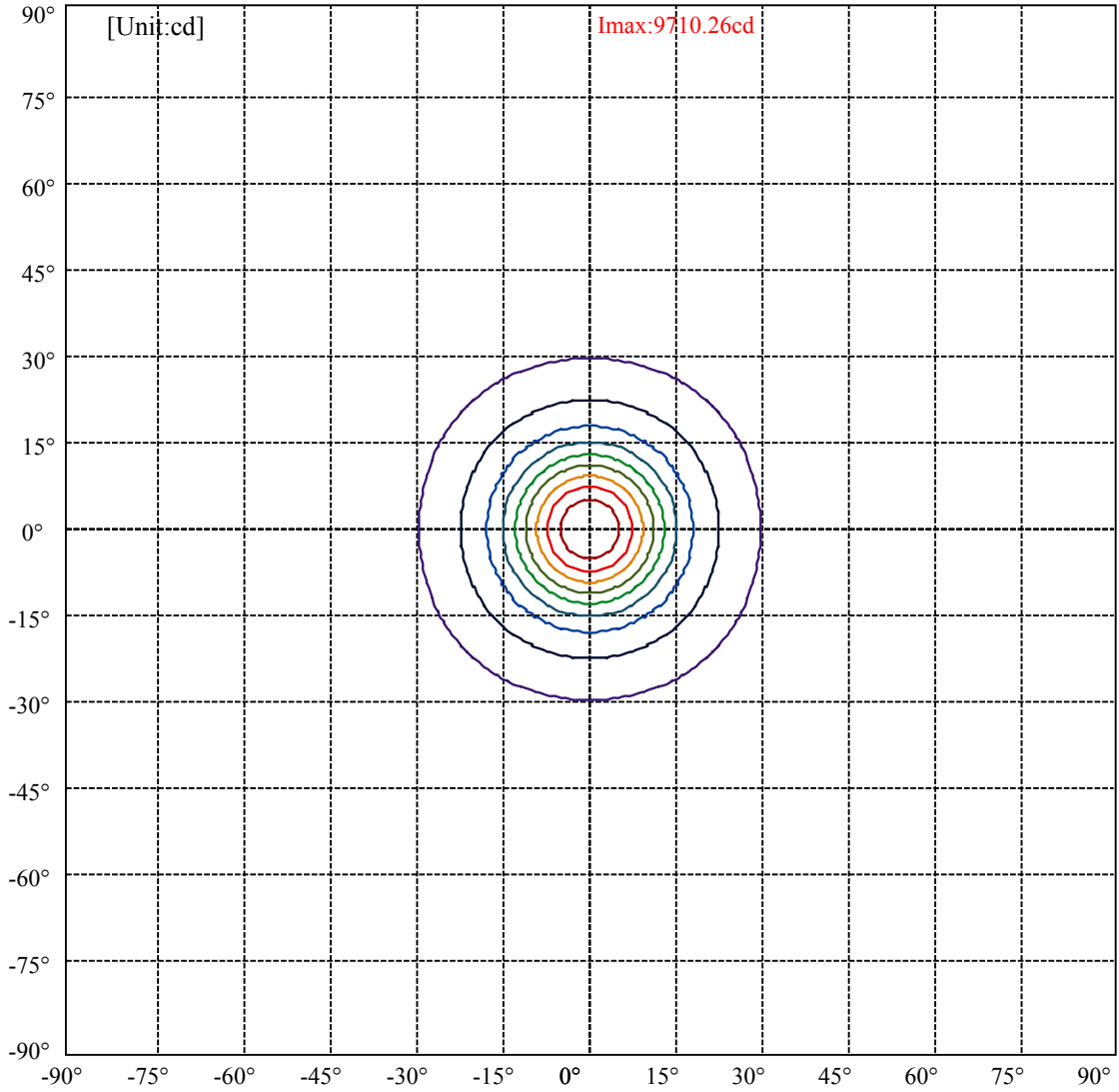


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:29.4 Right:29.4  
:C90/270Left:29.4 Right:29.4

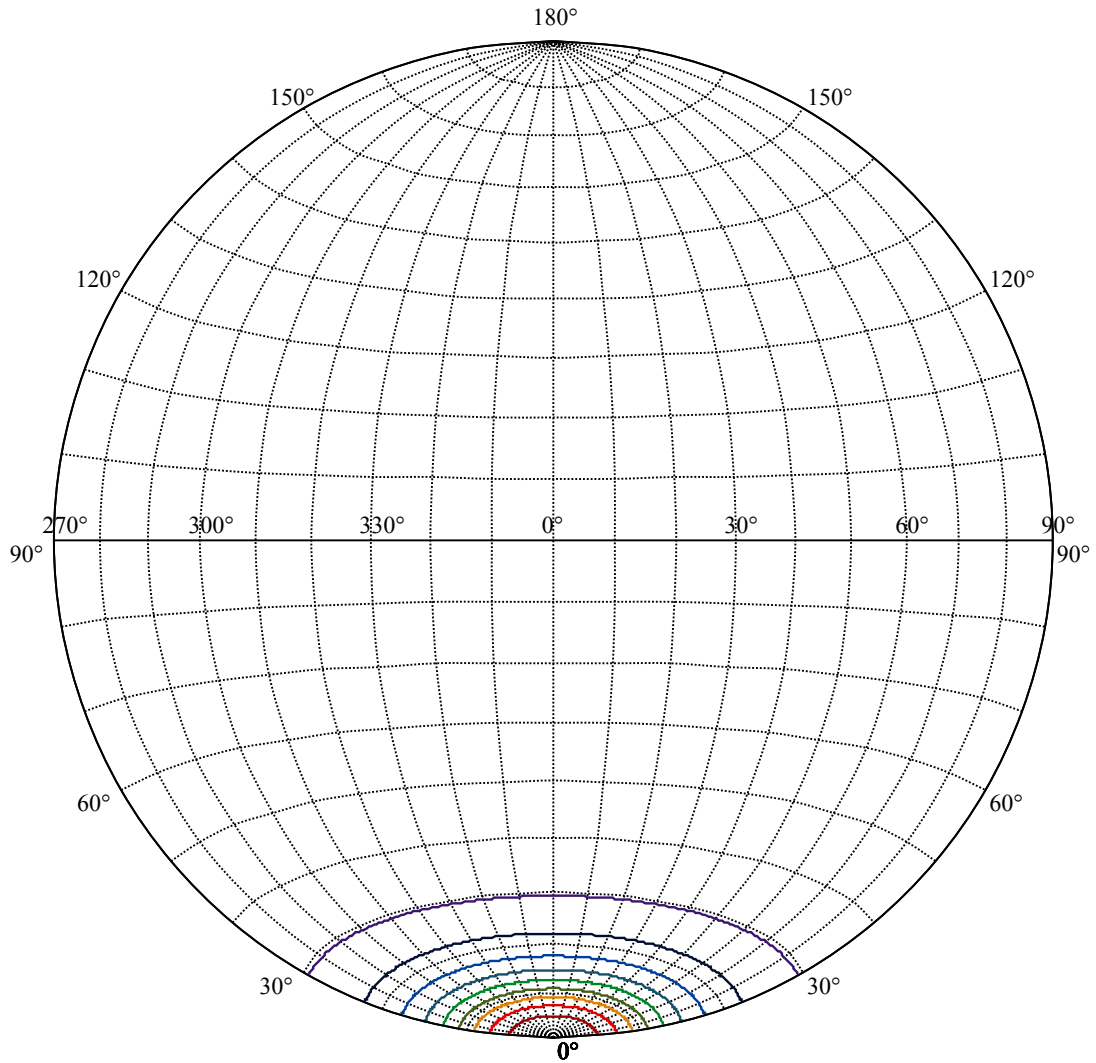
Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8  
:C90/270Left:12.8 Right:12.8





(10%Imax) 971.026	—
(20%Imax) 1942.05	—
(30%Imax) 2913.08	—
(40%Imax) 3884.1	—
(50%Imax) 4855.13	—
(60%Imax) 5826.16	—
(70%Imax) 6797.18	—
(80%Imax) 7768.21	—
(90%Imax) 8739.23	—





House

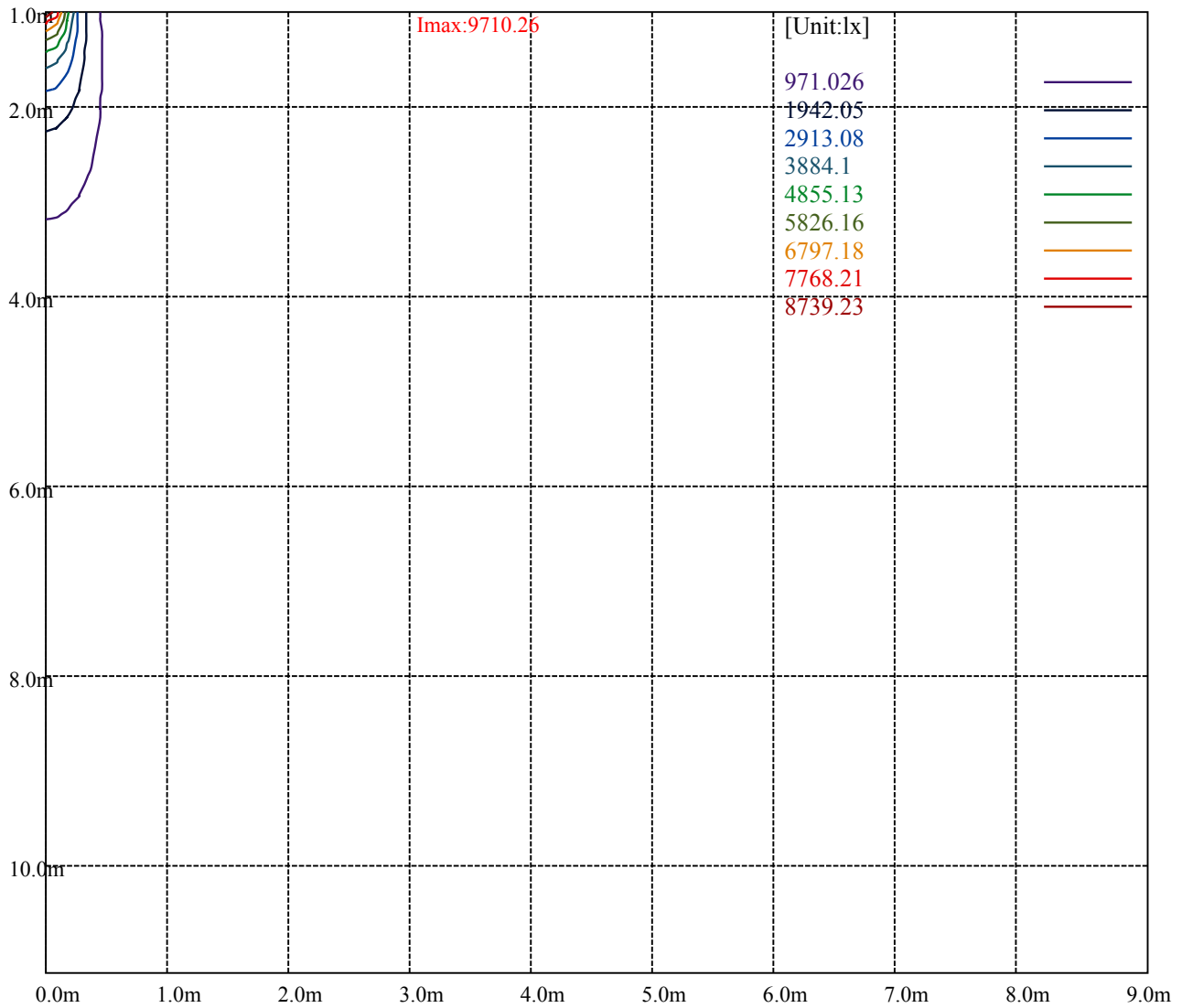
[Unit:cd]

Road

**Imax:9710.26**

(10%Imax) 971.026	—
(20%Imax) 1942.05	—
(30%Imax) 2913.08	—
(40%Imax) 3884.1	—
(50%Imax) 4855.13	—
(60%Imax) 5826.16	—
(70%Imax) 6797.18	—
(80%Imax) 7768.21	—
(90%Imax) 8739.23	—





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

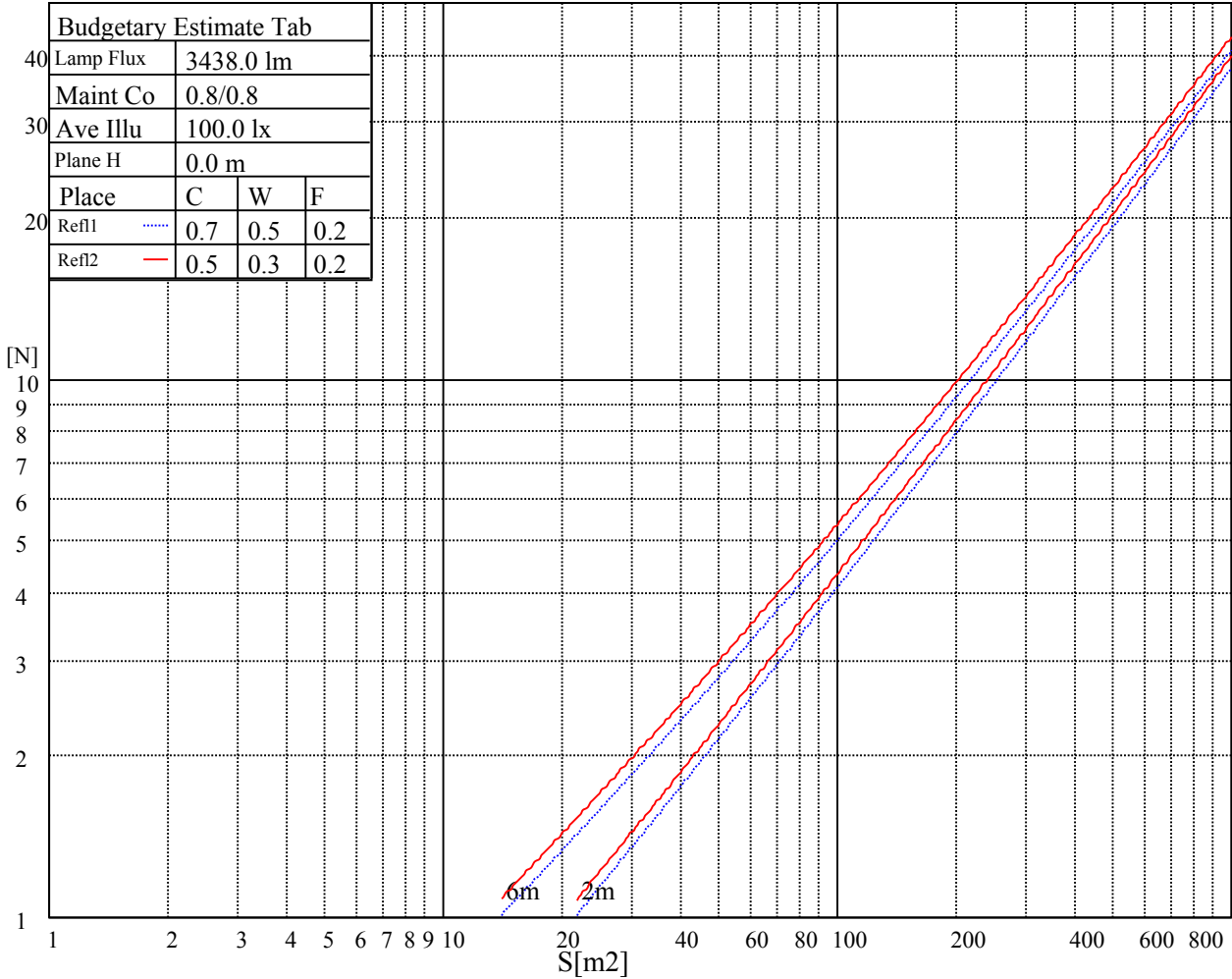
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

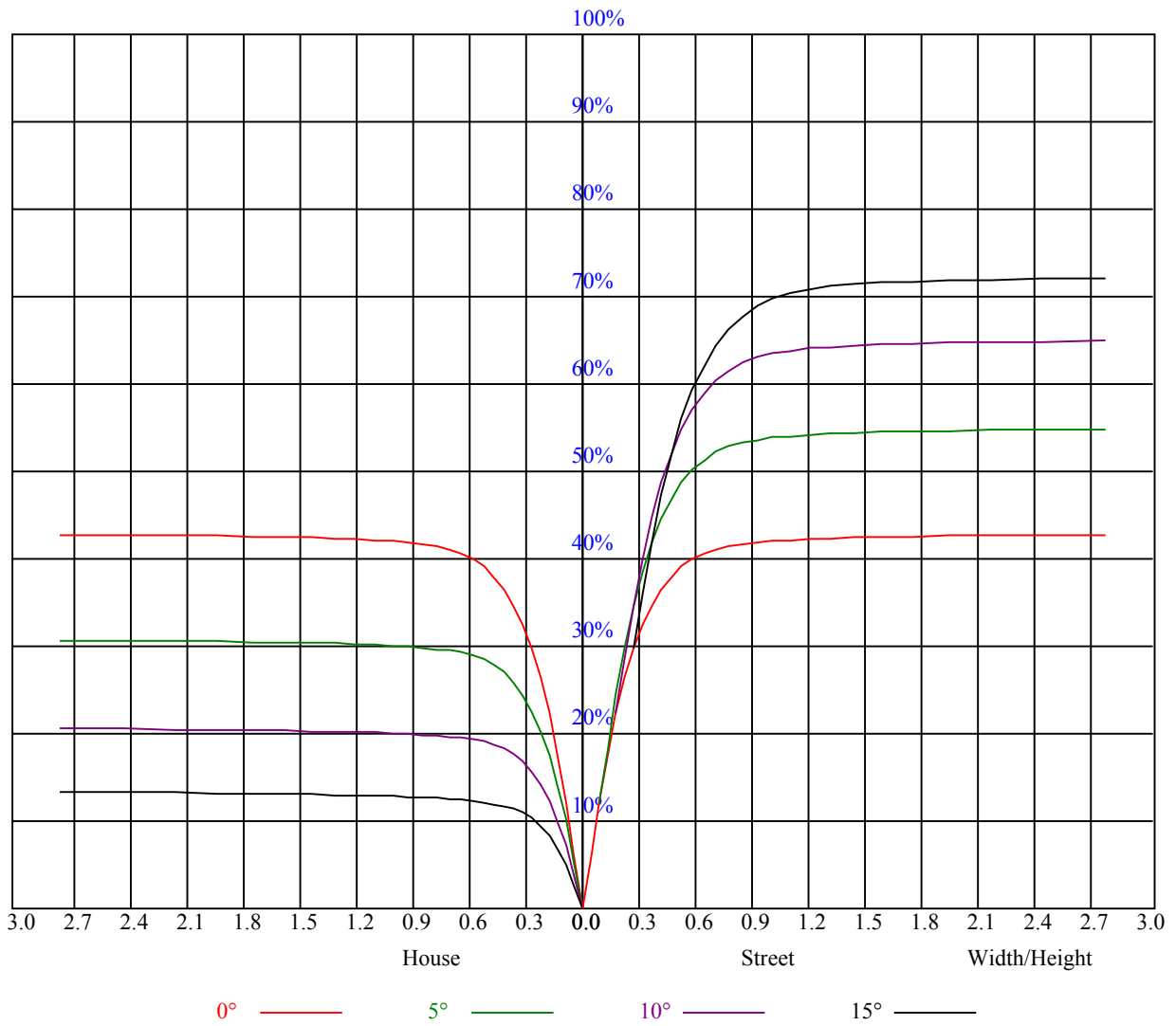


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

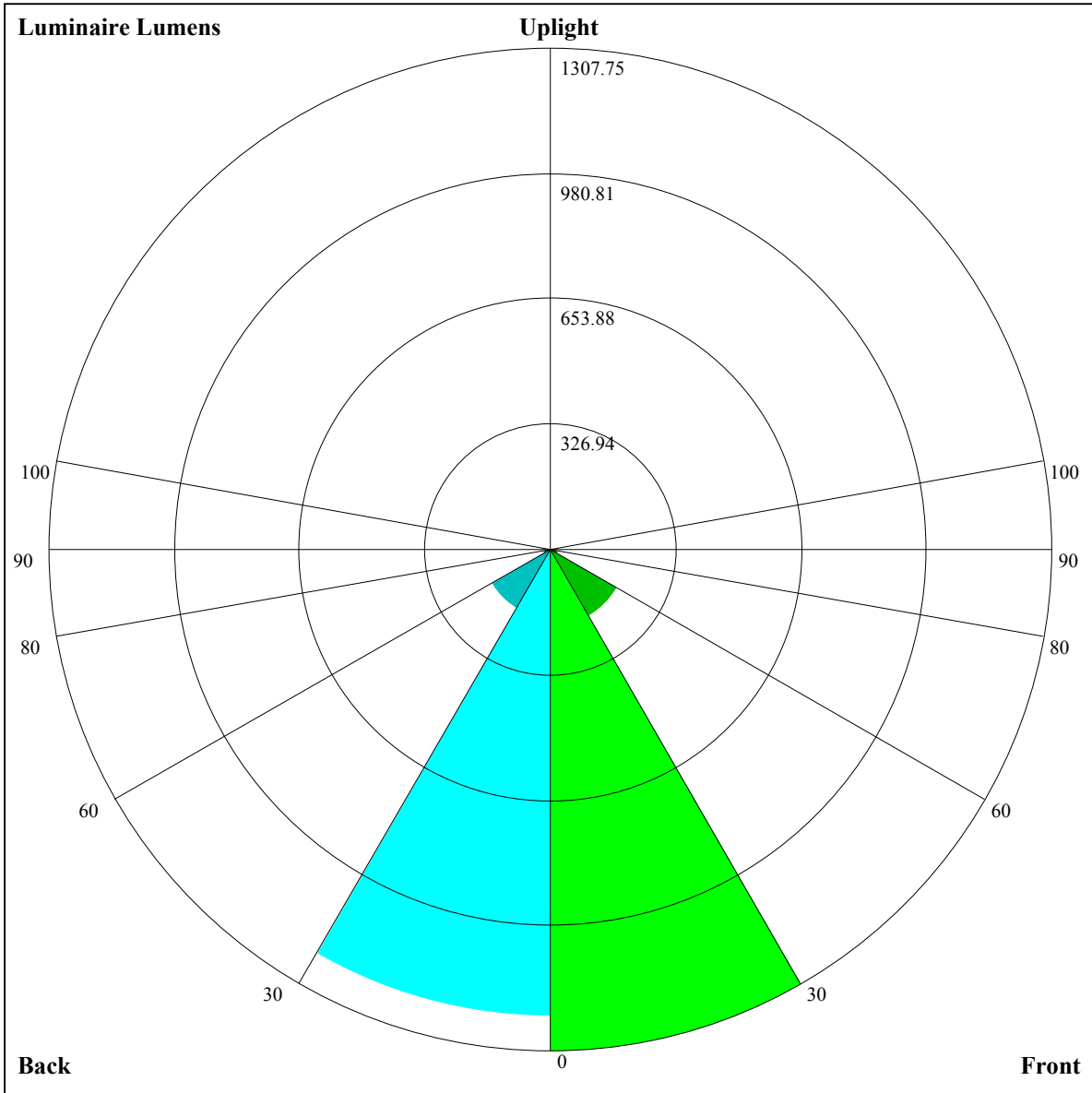
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.94	0.92	0.94	0.93	0.91	0.91	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.79	0.85	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.74
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.78	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=1307.75,FM=202.35,FH=23,FVH=7.62

BL=1215.6,BM=178.18,BH=22.03,BVH=7.46

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	9723.57	9748.74	9715.96	9583.70	9395.85	9075.14	8763.22	8382.24	7813.98
45.0	9672.07	9722.99	9722.40	9672.66	9524.01	9284.65	9006.09	8698.84	8201.40
90.0	9711.87	9666.81	9509.96	9286.41	9007.84	8684.21	8205.50	7770.09	7294.89
135.0	9733.52	9682.02	9587.21	9397.02	9066.95	8752.10	8376.97	7949.75	7340.54
180.0	9723.57	9670.90	9464.32	9222.62	8937.03	8501.04	8086.70	7593.94	7088.30
225.0	9672.07	9539.23	9253.64	8993.80	8588.24	8162.19	7685.82	7056.12	6541.70
270.0	9711.87	9706.02	9624.08	9418.08	9186.92	8917.13	8489.33	8062.12	7592.18
315.0	9733.52	9693.73	9549.76	9362.49	9131.32	8836.37	8376.97	7925.76	7444.71
360.0	9723.57	9748.74	9715.96	9583.70	9395.85	9075.14	8763.22	8382.24	7813.98
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7311.86	6775.79	6225.10	5558.53	5081.57	4621.58	4093.12	3687.56	3327.65
45.0	7759.56	7273.82	6643.53	6123.27	5601.83	4982.66	4530.29	4012.36	3623.77
90.0	6696.79	6174.77	5649.24	5027.73	4571.25	4151.06	3674.10	3328.82	3026.26
135.0	6862.99	6383.11	5873.38	5227.29	4764.96	4328.97	3923.99	3456.40	3132.77
180.0	6469.72	5943.02	5428.02	4938.77	4374.62	3976.08	3484.49	3167.88	2892.83
225.0	5999.79	5373.01	4910.68	4473.52	4052.16	3569.93	3233.43	2936.72	2675.71
270.0	6965.41	6412.95	5876.30	5256.55	4793.05	4364.08	3941.55	3471.03	3155.59
315.0	6898.69	6209.88	5691.37	5193.93	4736.28	4199.63	3800.51	3346.38	3026.26
360.0	7311.86	6775.79	6225.10	5558.53	5081.57	4621.58	4093.12	3687.56	3327.65
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2946.67	2690.92	2467.37	2223.33	2045.42	1896.19	1759.83	1604.75	1487.12
45.0	3283.17	2983.54	2658.15	2444.54	2250.25	2080.53	1927.20	1755.73	1624.64
90.0	2758.81	2477.32	2288.87	2118.57	1964.07	1790.26	1663.85	1513.45	1309.79
135.0	2854.20	2561.59	2365.54	2148.42	1992.16	1852.88	1724.13	1564.95	1442.05
180.0	2638.25	2376.66	2183.53	2020.84	1880.39	1714.18	1584.26	1461.95	1313.30
225.0	2401.82	2211.62	2003.87	1855.22	1723.55	1562.02	1436.79	1166.53	1166.53
270.0	2860.05	2601.97	2344.47	2154.86	1990.99	1811.92	1679.07	1518.72	1394.65
315.0	2750.03	2460.93	2265.46	2085.22	1928.96	1758.07	1628.15	1504.67	1301.01
360.0	2946.67	2690.92	2467.37	2223.33	2045.42	1896.19	1759.83	1604.75	1487.12
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1291.65	1140.84	1112.04	995.53	879.53	735.04	625.72	506.40	431.54
45.0	1470.14	1347.25	1229.62	1085.65	968.61	852.15	708.18	601.67	509.79
90.0	1154.36	1125.62	1006.24	887.38	740.72	630.05	532.15	449.51	367.23
135.0	1322.08	1198.60	1049.95	930.57	810.60	666.04	560.70	453.61	384.55
180.0	1193.33	1073.95	922.96	801.23	684.19	552.51	466.48	396.84	330.71
225.0	1047.08	926.76	805.33	688.58	555.03	467.95	399.24	344.40	288.22
270.0	1271.17	1122.52	997.87	873.80	751.49	609.86	512.72	433.71	372.26
315.0	1146.87	1119.18	998.34	849.22	732.53	620.05	502.18	429.09	357.40
360.0	1291.65	1140.84	1112.04	995.53	879.53	735.04	625.72	506.40	431.54
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	371.38	318.83	262.01	223.50	191.54	164.33	136.71	117.81	101.95
45.0	433.71	357.05	306.72	295.60	295.60	182.94	158.07	136.88	114.53
90.0	314.62	269.91	230.05	189.20	163.16	141.04	118.45	103.41	88.49
135.0	328.95	303.79	303.79	191.60	163.75	135.66	117.75	102.65	90.77
180.0	297.35	297.35	211.09	176.45	153.21	132.79	114.94	96.27	84.62
225.0	249.48	208.98	181.36	156.84	131.03	113.12	97.97	86.20	74.67
270.0	310.23	299.11	299.11	197.98	164.74	141.92	118.98	102.82	89.60
315.0	308.76	267.86	230.99	199.27	165.33	142.74	122.55	105.98	89.48
360.0	371.38	318.83	262.01	223.50	191.54	164.33	136.71	117.81	101.95

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	86.15	76.37	69.12	62.74	59.52	56.36	54.13	52.61	50.80
45.0	99.84	87.78	75.55	68.24	62.79	59.40	56.36	54.25	52.90
90.0	78.83	71.16	65.37	60.92	57.88	55.65	54.13	51.91	50.27
135.0	78.71	70.75	65.31	61.62	57.82	55.54	53.55	52.09	50.33
180.0	75.20	67.07	62.44	59.28	55.89	54.48	52.85	51.09	49.51
225.0	67.94	63.61	60.45	56.83	55.13	53.78	51.97	49.98	48.16
270.0	77.31	69.70	64.37	61.16	57.64	54.95	53.96	52.49	50.27
315.0	79.47	69.88	64.37	60.86	57.35	55.19	53.96	52.03	50.45
360.0	86.15	76.37	69.12	62.74	59.52	56.36	54.13	52.61	50.80
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	49.39	47.40	45.59	43.66	41.61	38.80	36.69	34.00	32.42
45.0	50.74	49.10	47.52	45.12	43.13	40.91	38.74	36.17	33.83
90.0	48.40	46.35	44.01	41.73	38.80	36.69	34.29	32.19	30.72
135.0	48.05	46.12	44.42	42.31	39.33	37.40	35.00	33.07	31.08
180.0	47.52	45.76	43.37	40.91	38.86	36.58	33.71	32.30	30.43
225.0	45.71	43.72	40.73	38.57	36.34	34.00	31.95	30.26	28.32
270.0	49.16	47.23	44.71	42.90	39.91	37.81	35.46	33.36	31.49
315.0	49.10	47.23	44.95	43.01	40.67	38.45	35.52	33.53	32.13
360.0	49.39	47.40	45.59	43.66	41.61	38.80	36.69	34.00	32.42
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.08	29.26	27.33	26.10	24.29	22.82	21.83	20.95	19.96
45.0	31.89	30.37	28.56	26.74	25.52	23.99	22.77	21.54	20.72
90.0	28.85	27.33	25.75	24.29	22.88	21.59	20.78	20.01	19.37
135.0	29.20	27.51	25.93	24.58	23.06	21.77	20.95	20.19	19.37
180.0	28.15	26.86	24.99	23.41	22.36	21.42	20.42	19.72	19.14
225.0	26.92	25.40	23.88	22.59	21.65	20.60	19.84	19.25	18.61
270.0	29.73	27.97	26.69	24.99	23.41	22.24	21.36	20.31	19.61
315.0	29.73	28.03	26.74	24.99	23.47	22.06	21.13	20.31	19.61
360.0	31.08	29.26	27.33	26.10	24.29	22.82	21.83	20.95	19.96
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.37	18.84	18.38	17.79	17.44	17.03	16.62	16.15	15.74
45.0	20.01	19.37	18.73	18.26	17.85	17.38	16.97	16.44	16.09
90.0	18.90	18.26	17.85	17.32	16.97	16.62	16.15	15.74	15.39
135.0	18.90	18.38	17.91	17.44	17.09	16.74	16.33	15.80	15.45
180.0	18.67	18.08	17.62	17.21	16.68	16.27	15.92	15.39	15.04
225.0	18.14	17.62	17.26	16.85	16.44	15.98	15.57	15.22	14.86
270.0	18.84	18.38	17.91	17.38	17.03	16.68	16.21	15.80	15.45
315.0	18.90	18.38	17.91	17.50	16.97	16.62	16.21	15.74	15.45
360.0	19.37	18.84	18.38	17.79	17.44	17.03	16.62	16.15	15.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.33	15.04	14.69	14.40	14.05	13.75	13.46	13.11	12.87
45.0	15.63	15.22	14.86	14.51	14.22	13.93	13.64	13.34	12.99
90.0	14.98	14.57	14.34	13.99	13.69	13.46	13.17	12.99	12.58
135.0	15.10	14.63	14.22	13.93	13.58	13.28	13.05	12.87	12.52
180.0	14.69	14.34	13.99	13.64	13.40	13.11	12.99	12.58	12.70
225.0	14.46	14.10	13.81	13.52	13.23	12.99	13.05	12.58	12.76
270.0	15.04	14.69	14.34	13.99	13.69	13.40	13.11	12.93	12.58
315.0	15.10	14.69	14.40	14.05	13.75	13.40	13.23	12.93	12.82
360.0	15.33	15.04	14.69	14.40	14.05	13.75	13.46	13.11	12.87

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	12.87
45.0	12.99
90.0	12.58
135.0	12.64
180.0	12.58
225.0	12.64
270.0	12.58
315.0	12.47
360.0	12.87