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NT

Client:

LumCAT: 2-2682-L

Luminaire: 92.70.412.00

Report No: 2024322-B010

Ballast type: AC

Test No: 2024322-C010

Voltage(V): 34.710

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.027

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3005.09, Efficiency(%): 86.20% , Luminous Efficacy(lm/W): 150.05

Central intensity(cd): 13757.760, Maximum intensity(cd): 13757.760

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

Beam Angle(50%Imax): [C0/180]Total=17.8

[C90/270]Total=17.8

Field angle(10%Imax): [C0/180]Total=51.2

[C90/270]Total=51.2

Maximum s/h(1/2): C0\_180=0.30 C90\_270=0.30

Maximum s/h(1/4): C0\_180=0.36 C90\_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.095%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/22  
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	13757.762	0.000	0	0.00%	0.00%
1.0	13625.355	13.102	13.102	0.38%	0.44%
2.0	13059.815	38.301	51.403	1.10%	1.71%
3.0	12224.136	60.471	111.874	1.73%	3.72%
4.0	11784.559	80.365	192.239	2.31%	6.40%
5.0	10860.854	97.419	289.658	2.79%	9.64%
6.0	9842.709	108.803	398.461	3.12%	13.26%
7.0	8784.183	115.617	514.078	3.32%	17.11%
8.0	7750.530	118.336	632.414	3.39%	21.04%
9.0	6802.026	117.941	750.354	3.38%	24.97%
10.0	6050.378	116.310	866.664	3.34%	28.84%
11.0	5429.601	114.709	981.373	3.29%	32.66%
12.0	4863.322	112.516	1093.889	3.23%	36.40%
13.0	4365.369	109.521	1203.41	3.14%	40.05%
14.0	3949.566	106.430	1309.841	3.05%	43.59%
15.0	3594.920	103.574	1413.415	2.97%	47.03%
16.0	3259.440	100.436	1513.85	2.88%	50.38%
17.0	2973.704	97.067	1610.917	2.78%	53.61%
18.0	2787.675	94.993	1705.91	2.72%	56.77%
19.0	2558.867	93.019	1798.929	2.67%	59.86%
20.0	2267.440	88.335	1887.263	2.53%	62.80%
21.0	2043.664	82.782	1970.045	2.37%	65.56%
22.0	1865.975	78.566	2048.611	2.25%	68.17%
23.0	1705.697	74.943	2123.555	2.15%	70.67%
24.0	1575.338	71.735	2195.29	2.06%	73.05%
25.0	1449.661	68.782	2264.072	1.97%	75.34%
26.0	1332.096	65.664	2329.735	1.88%	77.53%
27.0	1229.909	62.680	2392.415	1.80%	79.61%
28.0	1180.011	61.014	2453.429	1.75%	81.64%
29.0	1092.162	59.446	2512.876	1.71%	83.62%
30.0	980.574	55.963	2568.839	1.61%	85.48%
31.0	872.263	51.562	2620.401	1.48%	87.20%
32.0	758.766	46.727	2667.128	1.34%	88.75%
33.0	643.309	41.306	2708.434	1.18%	90.13%
34.0	528.239	35.454	2743.888	1.02%	91.31%
35.0	425.773	29.628	2773.516	0.85%	92.29%
36.0	330.045	24.065	2797.582	0.69%	93.09%
37.0	264.844	19.402	2816.984	0.56%	93.74%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	207.265	15.758	2832.742	0.45%	94.26%
39.0	135.041	11.684	2844.426	0.34%	94.65%
40.0	92.217	7.926	2852.352	0.23%	94.92%
41.0	81.361	6.181	2858.533	0.18%	95.12%
42.0	75.940	5.715	2864.248	0.16%	95.31%
43.0	71.719	5.470	2869.718	0.16%	95.50%
44.0	67.754	5.264	2874.982	0.15%	95.67%
45.0	64.441	5.080	2880.062	0.15%	95.84%
46.0	61.888	4.940	2885.003	0.14%	96.00%
47.0	59.334	4.821	2889.824	0.14%	96.16%
48.0	57.037	4.704	2894.528	0.13%	96.32%
49.0	55.333	4.615	2899.143	0.13%	96.47%
50.0	53.841	4.552	2903.695	0.13%	96.63%
51.0	52.692	4.507	2908.202	0.13%	96.78%
52.0	51.924	4.489	2912.691	0.13%	96.93%
53.0	51.200	4.486	2917.177	0.13%	97.07%
54.0	50.629	4.488	2921.665	0.13%	97.22%
55.0	50.315	4.506	2926.171	0.13%	97.37%
56.0	49.795	4.524	2930.695	0.13%	97.52%
57.0	48.676	4.502	2935.197	0.13%	97.67%
58.0	46.679	4.410	2939.607	0.13%	97.82%
59.0	43.950	4.237	2943.844	0.12%	97.96%
60.0	40.395	3.985	2947.828	0.11%	98.09%
61.0	36.876	3.688	2951.516	0.11%	98.22%
62.0	33.702	3.401	2954.917	0.10%	98.33%
63.0	29.795	3.088	2958.005	0.09%	98.43%
64.0	26.064	2.741	2960.746	0.08%	98.52%
65.0	23.358	2.446	2963.192	0.07%	98.61%
66.0	21.141	2.220	2965.412	0.06%	98.68%
67.0	19.883	2.063	2967.475	0.06%	98.75%
68.0	19.078	1.974	2969.449	0.06%	98.81%
69.0	18.471	1.916	2971.364	0.05%	98.88%
70.0	18.018	1.874	2973.238	0.05%	98.94%
71.0	17.549	1.838	2975.076	0.05%	99.00%
72.0	17.176	1.806	2976.882	0.05%	99.06%
73.0	16.847	1.779	2978.661	0.05%	99.12%
74.0	16.576	1.757	2980.418	0.05%	99.18%
75.0	16.277	1.736	2982.154	0.05%	99.24%

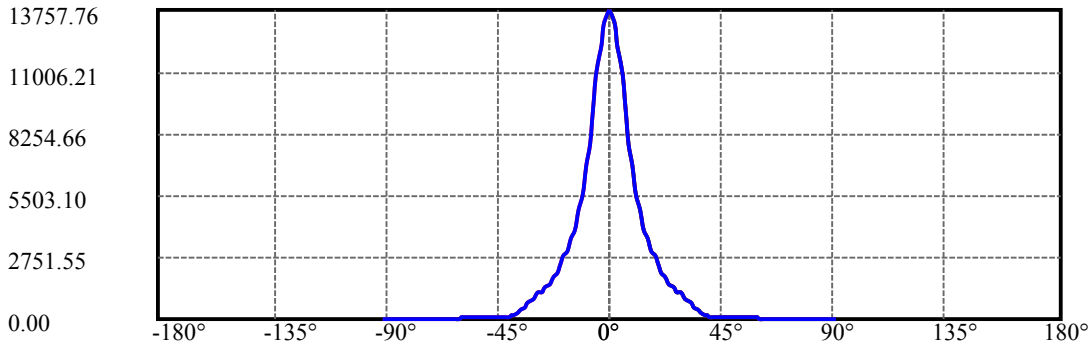
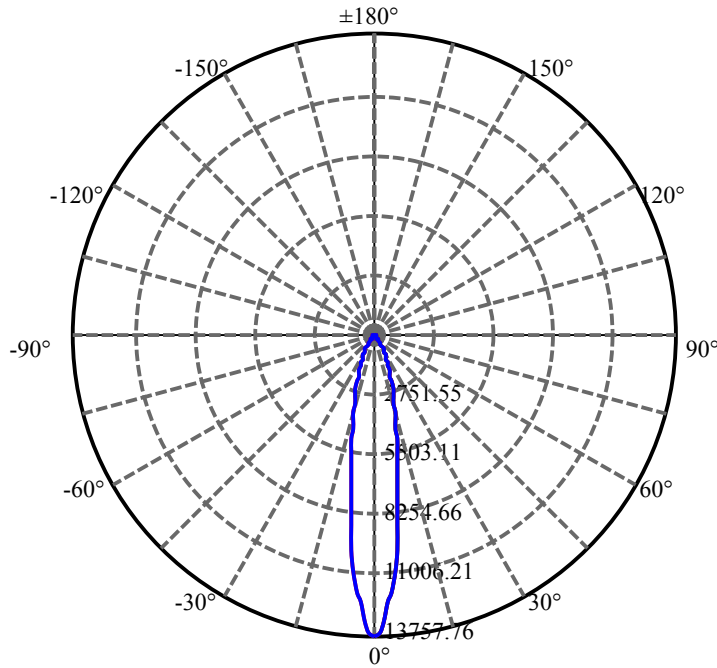
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.021	1.714	2983.869	0.05%	99.29%
77.0	15.764	1.695	2985.563	0.05%	99.35%
78.0	15.487	1.673	2987.236	0.05%	99.41%
79.0	15.172	1.647	2988.884	0.05%	99.46%
80.0	14.814	1.617	2990.5	0.05%	99.51%
81.0	14.492	1.585	2992.085	0.05%	99.57%
82.0	14.170	1.554	2993.639	0.04%	99.62%
83.0	13.819	1.521	2995.161	0.04%	99.67%
84.0	13.511	1.489	2996.65	0.04%	99.72%
85.0	13.226	1.459	2998.109	0.04%	99.77%
86.0	13.014	1.434	2999.543	0.04%	99.82%
87.0	12.809	1.413	3000.956	0.04%	99.86%
88.0	12.619	1.393	3002.349	0.04%	99.91%
89.0	12.480	1.376	3003.725	0.04%	99.95%
90.0	12.443	1.367	3005.092	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2568.84	73.69%	85.48%
0-40	2852.35	81.82%	94.92%
0-60	2947.83	84.56%	98.09%
0-90	3003.73	86.17%	99.95%
0-120	3003.73	86.17%	99.95%
0-180	3005.09	86.20%	100.00%
60-90	55.90	1.60%	1.86%
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%
0-27.19	2404.07	68.96%	80.00%

ZONAL LUMEN SUMMARY

0-10	866.66
10-20	1020.60
20-30	681.58
30-40	283.51
40-50	51.34
50-60	44.13
60-70	25.41
70-80	17.26
80-90	13.22
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



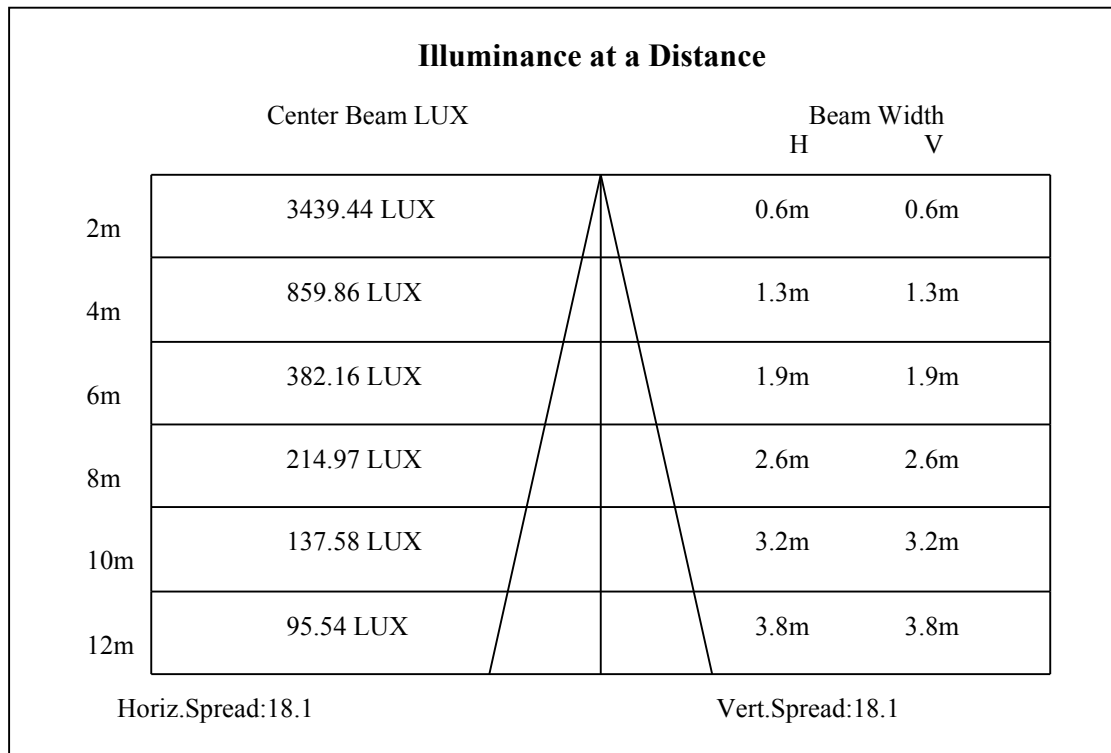
C0(Max): —————

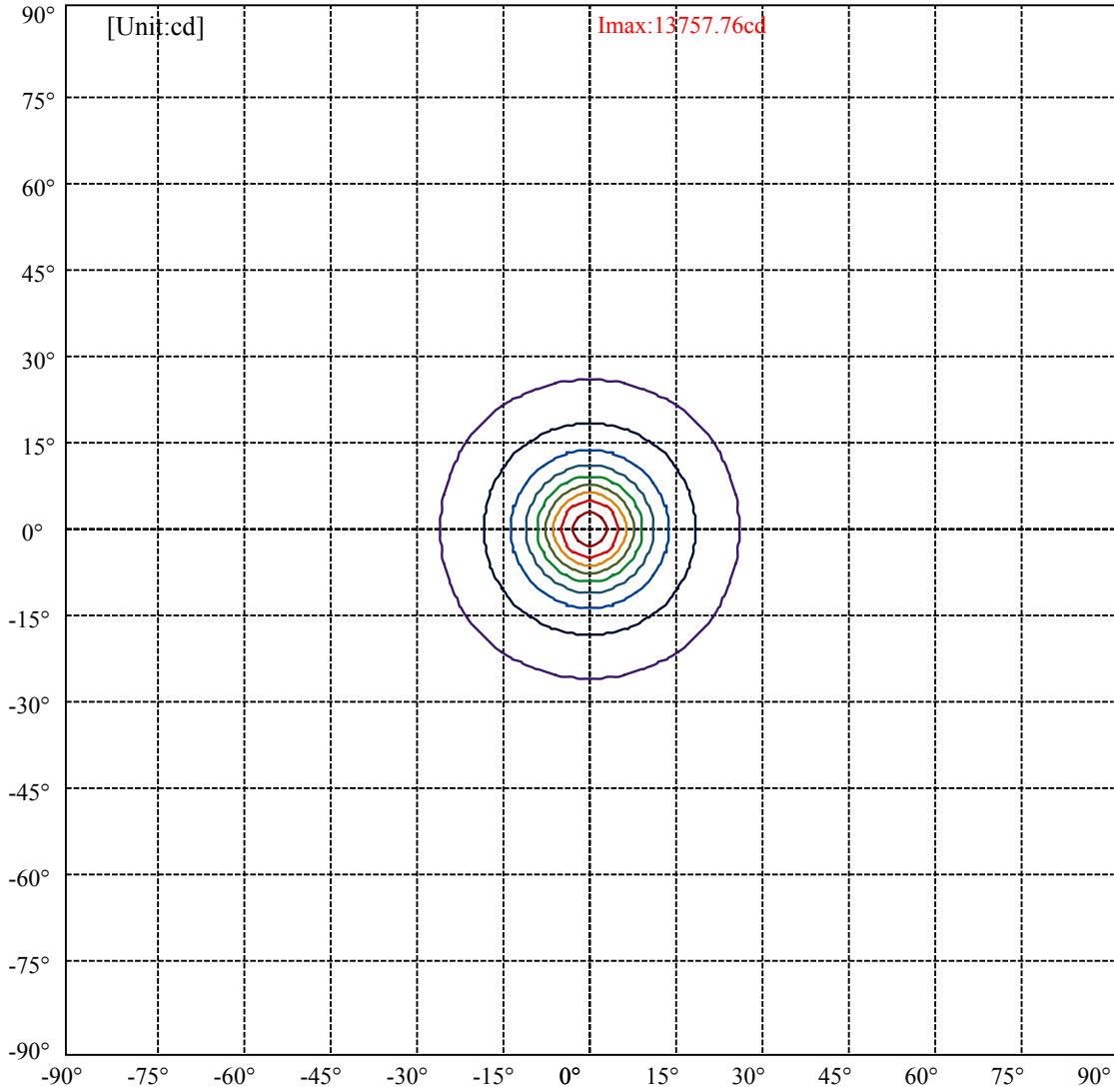
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:25.6 Right:25.6  
:C90/270Left:25.6 Right:25.6

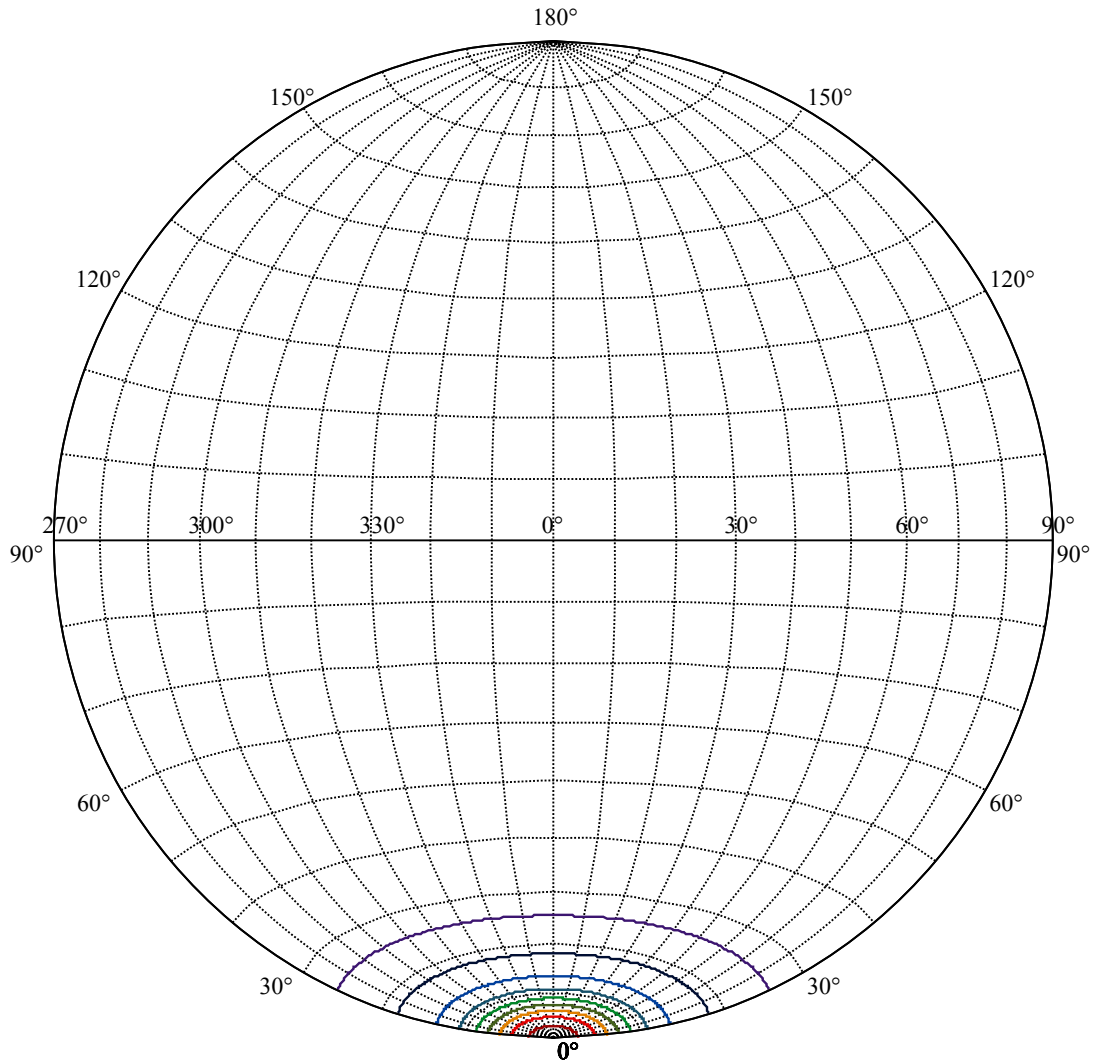
Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9  
:C90/270Left:8.9 Right:8.9





(10%Imax) 1375.78	—
(20%Imax) 2751.55	—
(30%Imax) 4127.33	—
(40%Imax) 5503.1	—
(50%Imax) 6878.88	—
(60%Imax) 8254.66	—
(70%Imax) 9630.43	—
(80%Imax) 11006.2	—
(90%Imax) 12382	—





House

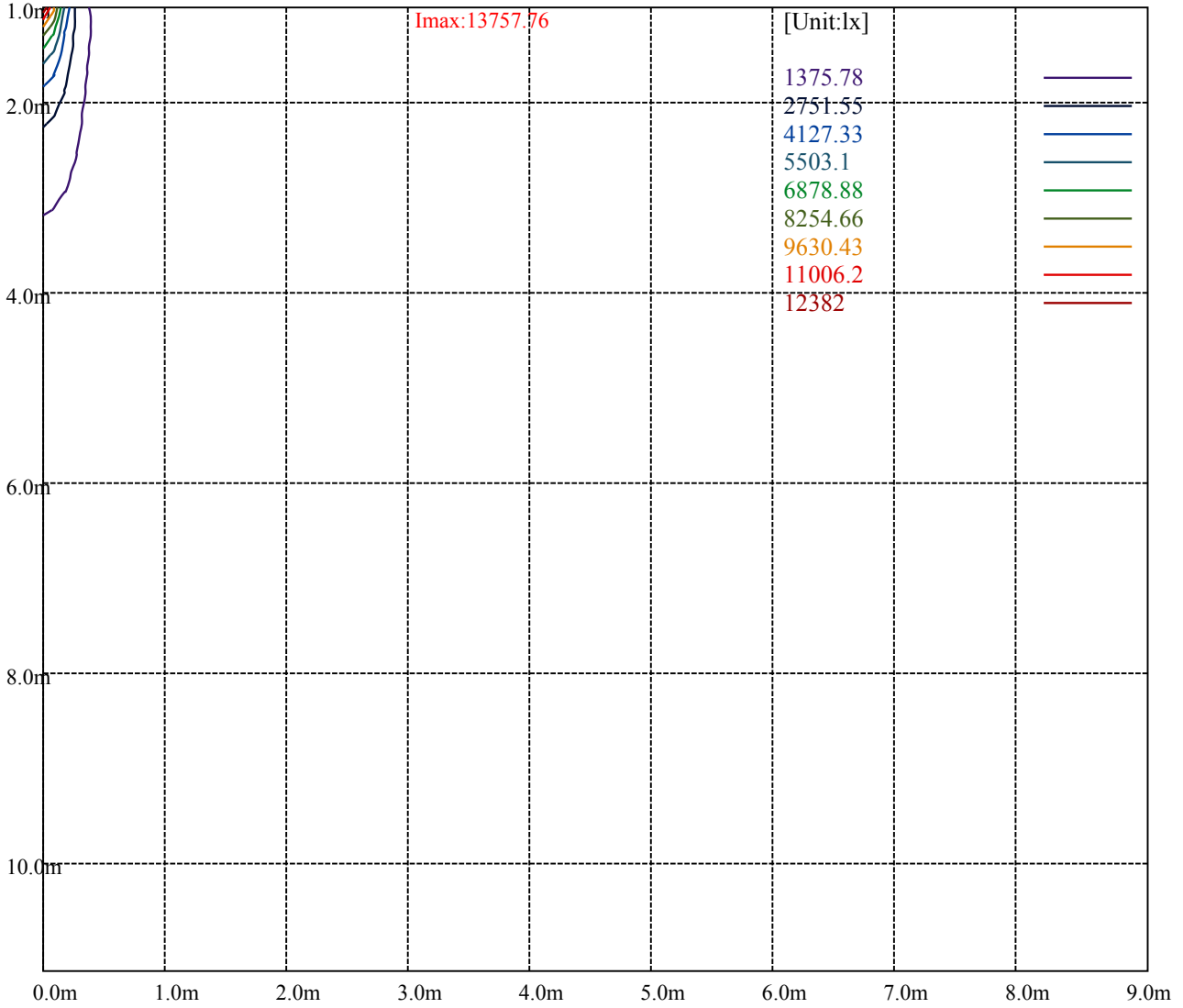
[Unit:cd]

Road

**Imax:13757.76**

(10%Imax) 1375.78	—
(20%Imax) 2751.55	—
(30%Imax) 4127.33	—
(40%Imax) 5503.1	—
(50%Imax) 6878.88	—
(60%Imax) 8254.66	—
(70%Imax) 9630.43	—
(80%Imax) 11006.2	—
(90%Imax) 12382	—





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

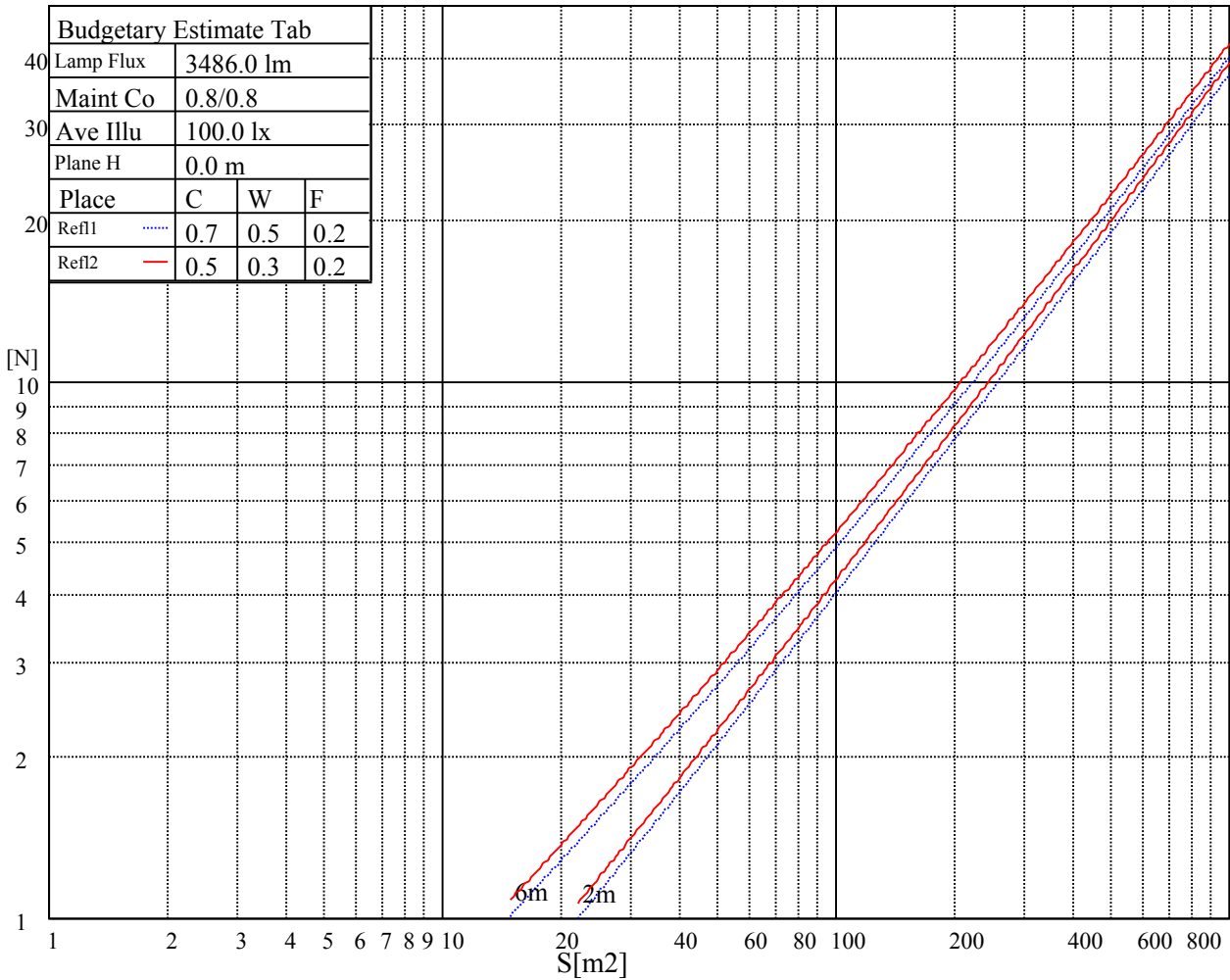
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

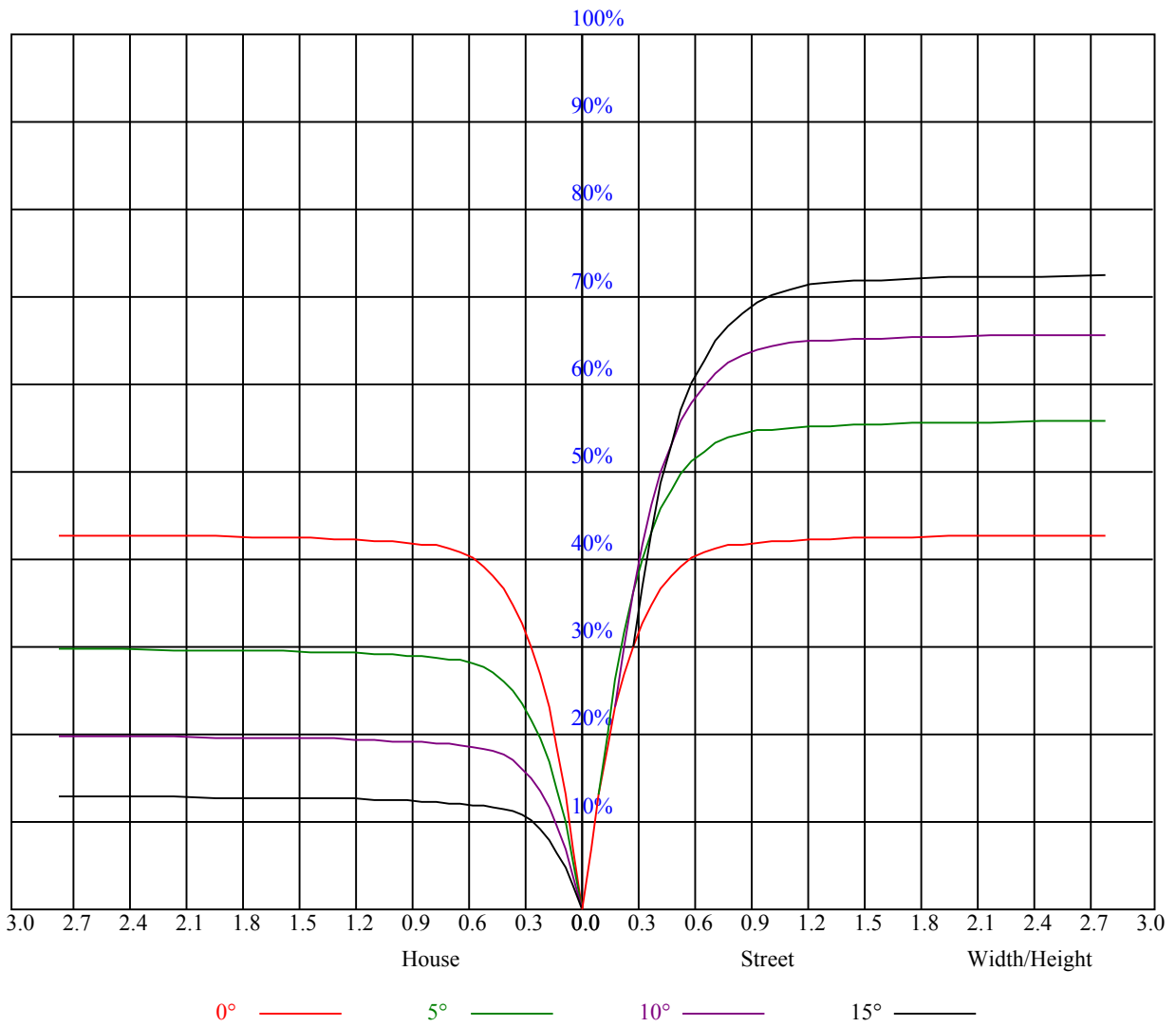


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数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

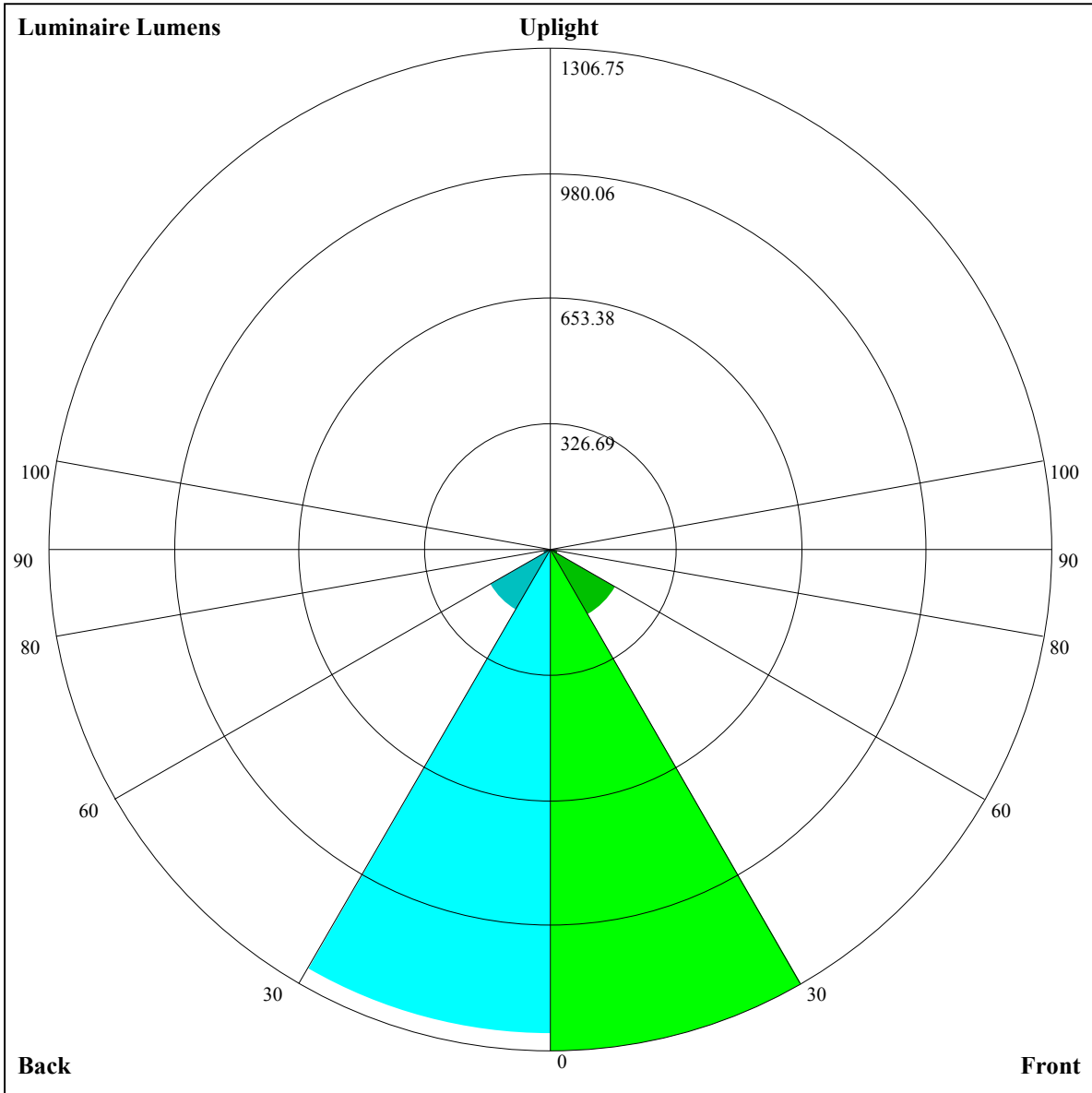
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	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	0.93	0.94	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	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.78	0.76	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	0.73	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	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	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.62
8	0.69	0.65	0.62	0.68	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	0.66	0.62	0.60	0.66	0.62	0.59	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=1306.75,FM=198.41,FH=21.82,FVH=7.34

BL=1262.51,BM=183.99,BH=21.01,BVH=7.27

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	13832.38	13709.48	13364.20	11523.14	11523.14	11078.95	10115.09	9082.17	7845.58
45.0	13645.11	13820.67	13697.78	13334.94	12761.42	11860.17	10988.18	10016.71	8758.48
90.0	13773.86	13557.32	13106.70	11515.53	11515.53	10596.73	9602.43	8361.75	7464.02
135.0	13779.71	13715.33	13405.16	12878.46	12000.62	11163.75	10180.57	9144.73	8126.43
180.0	13832.38	13656.81	13258.86	12492.21	11754.83	10637.05	9595.35	8512.68	7517.80
225.0	13645.11	13270.56	11549.47	11549.47	10888.75	9885.09	8542.59	7536.00	6685.67
270.0	13773.86	13703.63	13399.31	12901.87	12234.71	11216.42	10291.77	9250.07	8208.37
315.0	13779.71	13569.03	12697.04	11597.46	11597.46	10448.67	9425.69	8369.36	7397.89
360.0	13832.38	13709.48	13364.20	11523.14	11523.14	11078.95	10115.09	9082.17	7845.58
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6968.33	6211.64	5573.16	4906.00	4440.75	3948.57	3601.53	3286.10	2934.96
45.0	7822.12	6985.25	6253.71	5481.22	4954.51	4486.33	4082.53	3643.61	3327.59
90.0	6480.84	5817.78	5238.99	4738.63	4209.00	3839.13	3510.24	3204.75	2867.66
135.0	7032.06	6277.12	5645.08	4977.92	4521.45	4117.64	3678.72	3362.70	3075.94
180.0	6505.36	5832.35	5258.83	4761.39	4217.13	3842.59	3509.01	3216.40	3011.57
225.0	5976.96	5261.23	4769.06	4338.33	3875.42	3543.60	3239.86	2902.77	2655.22
270.0	7061.32	6300.53	5528.04	5013.04	4550.71	4035.71	3678.72	3368.56	3087.65
315.0	6569.21	5717.12	5169.94	4690.05	4153.99	3782.95	3458.74	3090.63	2829.04
360.0	6968.33	6211.64	5573.16	4906.00	4440.75	3948.57	3601.53	3286.10	2934.96
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2688.58	2466.20	2261.95	2035.47	1875.12	1725.89	1591.87	1450.83	1361.29
45.0	3034.98	2970.60	2692.68	2284.78	2056.54	1894.43	1744.61	1580.75	1469.56
90.0	2628.30	2407.67	2208.11	1988.65	1830.64	1656.83	1532.18	1430.35	1325.59
135.0	3011.57	2741.25	2335.69	2098.68	1928.96	1774.46	1635.18	1484.77	1389.38
180.0	3011.57	2419.96	2174.75	1997.43	1840.01	1653.32	1529.25	1423.33	1308.04
225.0	2432.84	2182.95	2001.53	1838.84	1693.70	1531.59	1418.64	1327.93	1154.06
270.0	2958.90	2958.90	2328.08	2136.71	1925.45	1767.44	1631.67	1481.85	1378.26
315.0	2534.67	2323.40	2136.71	1968.76	1777.39	1641.61	1519.30	1417.47	1270.58
360.0	2688.58	2466.20	2261.95	2035.47	1875.12	1725.89	1591.87	1450.83	1361.29
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1153.42	1153.42	1110.64	1016.24	914.36	782.91	677.11	546.13	445.18
45.0	1378.85	1301.60	1213.23	1131.88	1034.15	931.15	795.96	686.53	582.36
90.0	1151.96	1151.96	1083.95	959.59	855.25	748.50	644.10	514.88	416.27
135.0	1309.79	1236.05	1131.30	1034.15	930.57	796.55	690.04	588.79	465.90
180.0	1234.88	1157.63	1064.00	932.91	824.64	715.79	610.45	484.62	391.57
225.0	1154.06	1060.95	958.77	826.98	719.94	613.37	484.33	389.64	280.97
270.0	1296.92	1219.08	1110.82	1007.82	872.63	764.36	656.68	526.76	429.61
315.0	1159.39	1159.39	1064.58	935.01	826.57	717.49	587.80	488.55	394.32
360.0	1153.42	1153.42	1110.64	1016.24	914.36	782.91	677.11	546.13	445.18
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	353.12	271.19	182.59	127.93	97.26	84.45	77.31	72.80	68.35
45.0	453.61	357.05	313.74	313.74	122.25	90.01	82.81	78.60	74.73
90.0	325.62	228.76	164.80	118.63	91.65	85.09	78.89	74.21	68.82
135.0	372.85	304.96	304.96	129.39	97.91	86.50	79.65	75.14	70.23
180.0	304.96	304.96	144.67	96.80	81.58	76.55	72.80	68.35	64.84
225.0	207.17	146.60	102.88	78.24	73.04	69.64	66.60	63.50	60.22
270.0	338.90	296.18	296.18	116.17	90.42	80.29	75.32	71.63	68.59
315.0	284.13	209.04	148.30	99.43	83.63	78.36	74.15	69.52	66.25
360.0	353.12	271.19	182.59	127.93	97.26	84.45	77.31	72.80	68.35

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	65.31	61.98	59.17	56.01	54.89	53.67	52.03	51.38	50.56
45.0	68.76	66.36	64.02	61.74	59.40	58.11	56.30	54.84	54.60
90.0	65.95	63.15	59.69	57.88	56.53	54.37	53.61	52.96	51.85
135.0	65.95	63.03	60.57	57.94	55.60	53.90	52.26	51.38	50.80
180.0	62.38	60.22	57.41	55.48	54.43	53.14	51.73	51.32	50.56
225.0	58.17	56.06	54.31	52.73	50.97	49.80	50.04	49.45	49.16
270.0	65.60	63.09	60.51	57.41	55.95	54.66	53.20	52.14	51.15
315.0	63.38	61.21	58.99	57.12	54.89	53.08	52.38	51.91	50.91
360.0	65.31	61.98	59.17	56.01	54.89	53.67	52.03	51.38	50.56
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	50.10	49.63	49.51	48.52	46.17	44.13	41.20	37.69	34.12
45.0	53.84	52.73	52.67	52.38	51.09	48.92	46.47	42.60	38.27
90.0	51.27	51.15	50.33	49.04	46.76	43.60	40.15	36.05	33.01
135.0	49.57	49.22	49.10	48.22	46.47	44.36	40.79	36.99	34.53
180.0	50.27	50.56	49.57	48.52	46.64	43.13	39.27	36.05	33.53
225.0	48.92	48.57	47.99	46.00	43.07	39.68	35.52	32.66	29.09
270.0	50.86	50.80	50.27	48.92	47.46	44.71	41.26	37.51	34.18
315.0	50.21	49.86	48.92	47.81	45.76	43.07	38.51	35.46	32.89
360.0	50.10	49.63	49.51	48.52	46.17	44.13	41.20	37.69	34.12
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.19	26.57	23.82	21.77	20.01	19.25	18.61	18.14	17.62
45.0	35.35	31.78	27.97	23.94	21.89	20.60	19.72	19.08	18.43
90.0	28.44	24.93	22.53	20.60	19.66	19.02	18.32	17.97	17.50
135.0	30.49	26.57	23.99	21.30	19.96	19.02	18.49	18.02	17.50
180.0	28.44	25.05	22.53	20.72	19.55	18.90	18.38	17.85	17.50
225.0	24.64	22.06	19.96	19.08	18.55	17.85	17.44	17.15	16.80
270.0	30.67	26.51	23.35	21.24	19.90	19.02	18.49	18.02	17.56
315.0	29.14	25.05	22.71	20.48	19.55	18.96	18.32	17.91	17.50
360.0	31.19	26.57	23.82	21.77	20.01	19.25	18.61	18.14	17.62
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.26	16.91	16.62	16.33	16.04	15.80	15.51	15.22	14.92
45.0	17.97	17.62	17.26	16.85	16.62	16.27	16.04	15.68	15.33
90.0	17.15	16.74	16.56	16.27	15.98	15.74	15.45	15.16	14.69
135.0	17.15	16.85	16.56	16.21	16.04	15.74	15.51	15.22	14.86
180.0	17.21	16.80	16.56	16.27	15.98	15.80	15.45	15.16	14.81
225.0	16.44	16.21	15.98	15.74	15.57	15.27	14.98	14.63	14.28
270.0	17.21	16.91	16.62	16.33	16.09	15.86	15.63	15.27	14.98
315.0	17.03	16.74	16.44	16.21	15.86	15.63	15.33	15.04	14.63
360.0	17.26	16.91	16.62	16.33	16.04	15.80	15.51	15.22	14.92
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.51	14.28	13.93	13.58	13.34	13.05	12.87	12.70	12.58
45.0	14.98	14.63	14.28	13.87	13.58	13.28	13.05	12.82	12.70
90.0	14.40	14.10	13.81	13.46	13.17	12.99	12.82	12.64	12.41
135.0	14.57	14.22	13.81	13.52	13.17	12.99	12.82	12.58	12.47
180.0	14.46	14.10	13.69	13.40	13.23	12.99	12.76	12.58	12.41
225.0	14.05	13.75	13.46	13.23	12.93	12.76	12.64	12.52	12.47
270.0	14.63	14.28	13.87	13.64	13.28	13.11	12.82	12.58	12.47
315.0	14.34	13.99	13.69	13.40	13.11	12.93	12.70	12.52	12.35
360.0	14.51	14.28	13.93	13.58	13.34	13.05	12.87	12.70	12.58

Intensity data(cd)

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