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NT

Client:

LumCAT: 3-2805-L

Luminaire: 92.70.411.00

Report No: 2024403-B026

Ballast type: AC

Test No: 2024403-C026

Voltage(V): 34.450

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.912

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2991.41, Efficiency(%): 87.01% , Luminous Efficacy(lm/W): 150.23

Central intensity(cd): 13086.220, Maximum intensity(cd): 13086.220

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

Beam Angle(50%Imax): [C0/180]Total=18.0

[C90/270]Total=18.0

Field angle(10%Imax): [C0/180]Total=52.8

[C90/270]Total=52.8

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

Maximum s/h(1/4): C0\_180=0.38 C90\_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 87.01%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.737%

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	13086.216	0.000	0	0.00%	0.00%
1.0	12817.605	12.394	12.394	0.36%	0.41%
2.0	12173.294	35.869	48.264	1.04%	1.61%
3.0	11844.837	57.443	105.707	1.67%	3.53%
4.0	11122.962	76.881	182.588	2.24%	6.10%
5.0	10218.277	91.809	274.397	2.67%	9.17%
6.0	9250.096	102.311	376.708	2.98%	12.59%
7.0	8271.087	108.754	485.462	3.16%	16.23%
8.0	7312.855	111.531	596.993	3.24%	19.96%
9.0	6503.708	111.976	708.969	3.26%	23.70%
10.0	5845.695	111.758	820.727	3.25%	27.44%
11.0	5282.343	111.192	931.919	3.23%	31.15%
12.0	4788.706	110.091	1042.01	3.20%	34.83%
13.0	4380.585	108.816	1150.826	3.17%	38.47%
14.0	4014.307	107.454	1258.28	3.13%	42.06%
15.0	3665.001	105.425	1363.705	3.07%	45.59%
16.0	3370.267	103.086	1466.791	3.00%	49.03%
17.0	3091.188	100.622	1567.413	2.93%	52.40%
18.0	2869.900	98.285	1665.699	2.86%	55.68%
19.0	2759.438	97.939	1763.638	2.85%	58.96%
20.0	2465.092	95.623	1859.261	2.78%	62.15%
21.0	2247.688	90.495	1949.756	2.63%	65.18%
22.0	2076.656	86.900	2036.656	2.53%	68.08%
23.0	1899.040	83.421	2120.076	2.43%	70.87%
24.0	1721.864	79.166	2199.242	2.30%	73.52%
25.0	1553.173	74.467	2273.709	2.17%	76.01%
26.0	1353.735	68.618	2342.327	2.00%	78.30%
27.0	1245.490	63.591	2405.918	1.85%	80.43%
28.0	1166.302	61.061	2466.979	1.78%	82.47%
29.0	1055.475	58.128	2525.107	1.69%	84.41%
30.0	932.139	53.665	2578.773	1.56%	86.21%
31.0	799.425	48.187	2626.96	1.40%	87.82%
32.0	678.444	42.339	2669.299	1.23%	89.23%
33.0	553.886	36.305	2705.604	1.06%	90.45%
34.0	431.421	29.818	2735.422	0.87%	91.44%
35.0	325.524	23.508	2758.93	0.68%	92.23%
36.0	250.432	18.339	2777.268	0.53%	92.84%
37.0	210.864	15.045	2792.313	0.44%	93.34%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	145.392	11.891	2804.205	0.35%	93.74%
39.0	113.336	8.831	2813.036	0.26%	94.04%
40.0	105.348	7.627	2820.663	0.22%	94.29%
41.0	98.735	7.267	2827.93	0.21%	94.54%
42.0	92.341	6.942	2834.872	0.20%	94.77%
43.0	86.430	6.622	2841.494	0.19%	94.99%
44.0	80.622	6.305	2847.799	0.18%	95.20%
45.0	75.216	5.989	2853.788	0.17%	95.40%
46.0	70.783	5.710	2859.498	0.17%	95.59%
47.0	66.430	5.457	2864.955	0.16%	95.77%
48.0	62.890	5.228	2870.183	0.15%	95.95%
49.0	59.576	5.029	2875.212	0.15%	96.12%
50.0	56.760	4.850	2880.063	0.14%	96.28%
51.0	54.411	4.703	2884.766	0.14%	96.44%
52.0	52.297	4.579	2889.345	0.13%	96.59%
53.0	50.710	4.481	2893.826	0.13%	96.74%
54.0	49.539	4.419	2898.244	0.13%	96.89%
55.0	48.596	4.381	2902.625	0.13%	97.03%
56.0	47.747	4.353	2906.979	0.13%	97.18%
57.0	46.781	4.322	2911.301	0.13%	97.32%
58.0	45.355	4.261	2915.561	0.12%	97.46%
59.0	43.511	4.155	2919.716	0.12%	97.60%
60.0	41.134	3.999	2923.715	0.12%	97.74%
61.0	38.318	3.792	2927.506	0.11%	97.86%
62.0	35.399	3.552	2931.058	0.10%	97.98%
63.0	32.063	3.281	2934.34	0.10%	98.09%
64.0	29.364	3.014	2937.354	0.09%	98.19%
65.0	26.811	2.780	2940.134	0.08%	98.29%
66.0	24.799	2.575	2942.709	0.07%	98.37%
67.0	23.511	2.429	2945.138	0.07%	98.45%
68.0	22.692	2.341	2947.478	0.07%	98.53%
69.0	22.487	2.305	2949.783	0.07%	98.61%
70.0	22.656	2.318	2952.102	0.07%	98.69%
71.0	22.677	2.343	2954.445	0.07%	98.76%
72.0	22.743	2.362	2956.806	0.07%	98.84%
73.0	22.868	2.385	2959.192	0.07%	98.92%
74.0	22.765	2.399	2961.591	0.07%	99.00%
75.0	22.568	2.395	2963.986	0.07%	99.08%

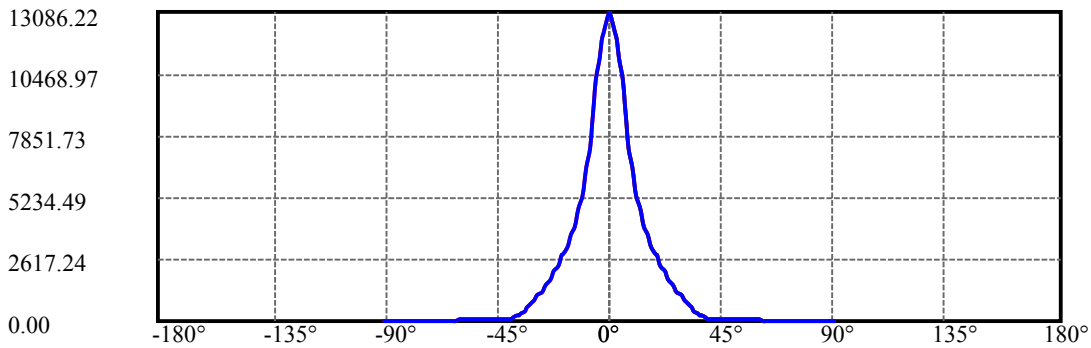
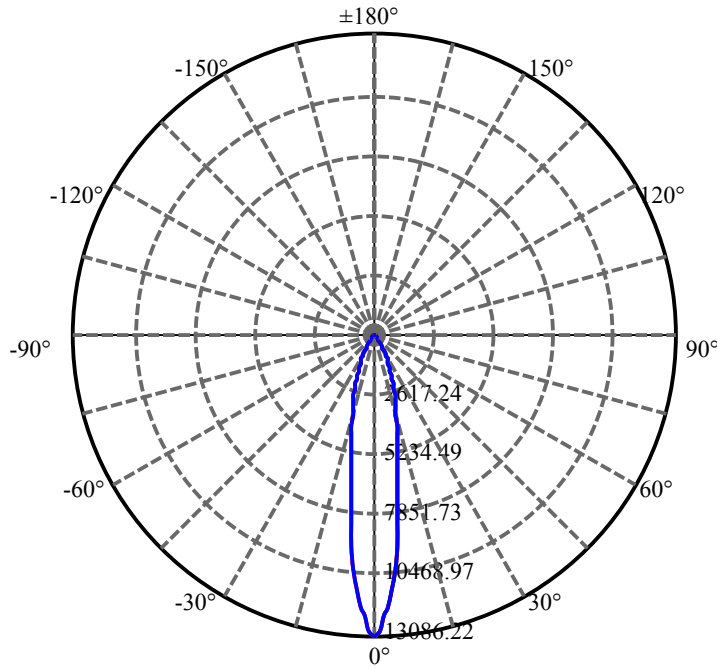
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.319	2.383	2966.369	0.07%	99.16%
77.0	21.873	2.356	2968.725	0.07%	99.24%
78.0	21.295	2.311	2971.036	0.07%	99.32%
79.0	20.673	2.255	2973.29	0.07%	99.39%
80.0	19.620	2.172	2975.463	0.06%	99.47%
81.0	18.113	2.041	2977.503	0.06%	99.54%
82.0	16.057	1.853	2979.356	0.05%	99.60%
83.0	14.887	1.682	2981.038	0.05%	99.65%
84.0	14.433	1.597	2982.636	0.05%	99.71%
85.0	13.987	1.551	2984.187	0.05%	99.76%
86.0	13.555	1.505	2985.692	0.04%	99.81%
87.0	13.204	1.464	2987.157	0.04%	99.86%
88.0	12.992	1.435	2988.592	0.04%	99.91%
89.0	12.794	1.413	2990.005	0.04%	99.95%
90.0	12.765	1.401	2991.407	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2578.77	75.01%	86.21%
0-40	2820.66	82.04%	94.29%
0-60	2923.71	85.04%	97.74%
0-90	2990.01	86.97%	99.95%
0-120	2990.01	86.97%	99.95%
0-180	2991.41	87.01%	100.00%
60-90	66.29	1.93%	2.22%
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%
0-26.80	2393.13	69.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	820.73
10-20	1038.53
20-30	719.51
30-40	241.89
40-50	59.40
50-60	43.65
60-70	28.39
70-80	23.36
80-90	14.54
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



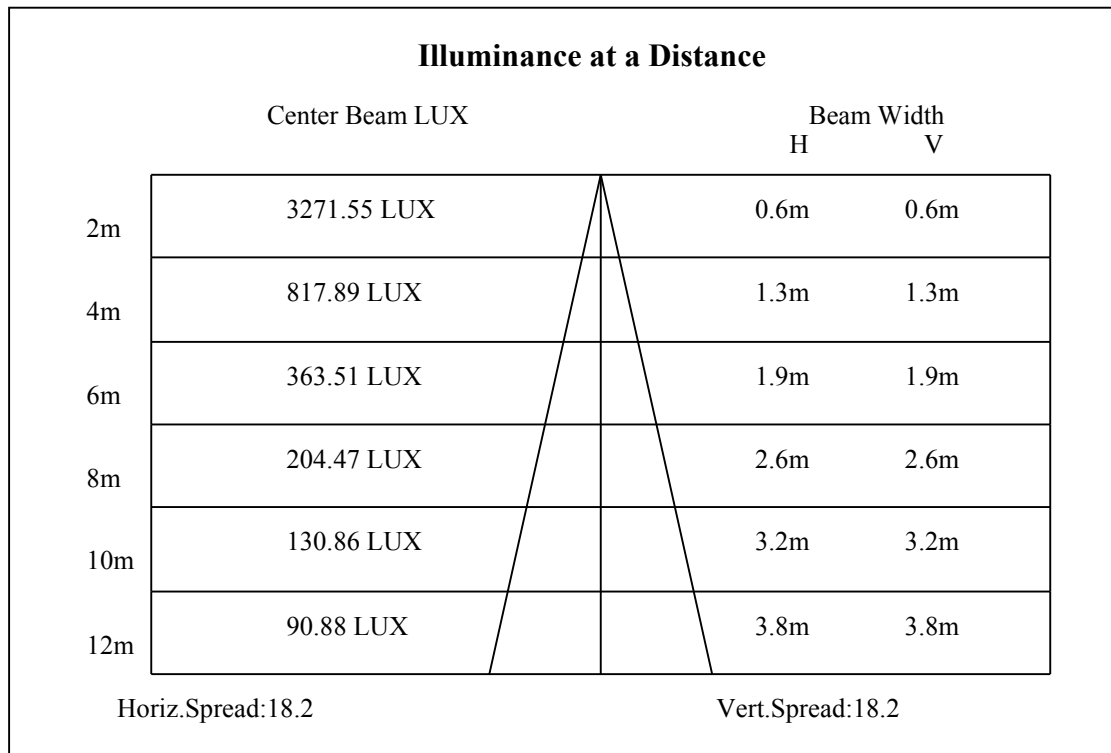
C0(Max): —————

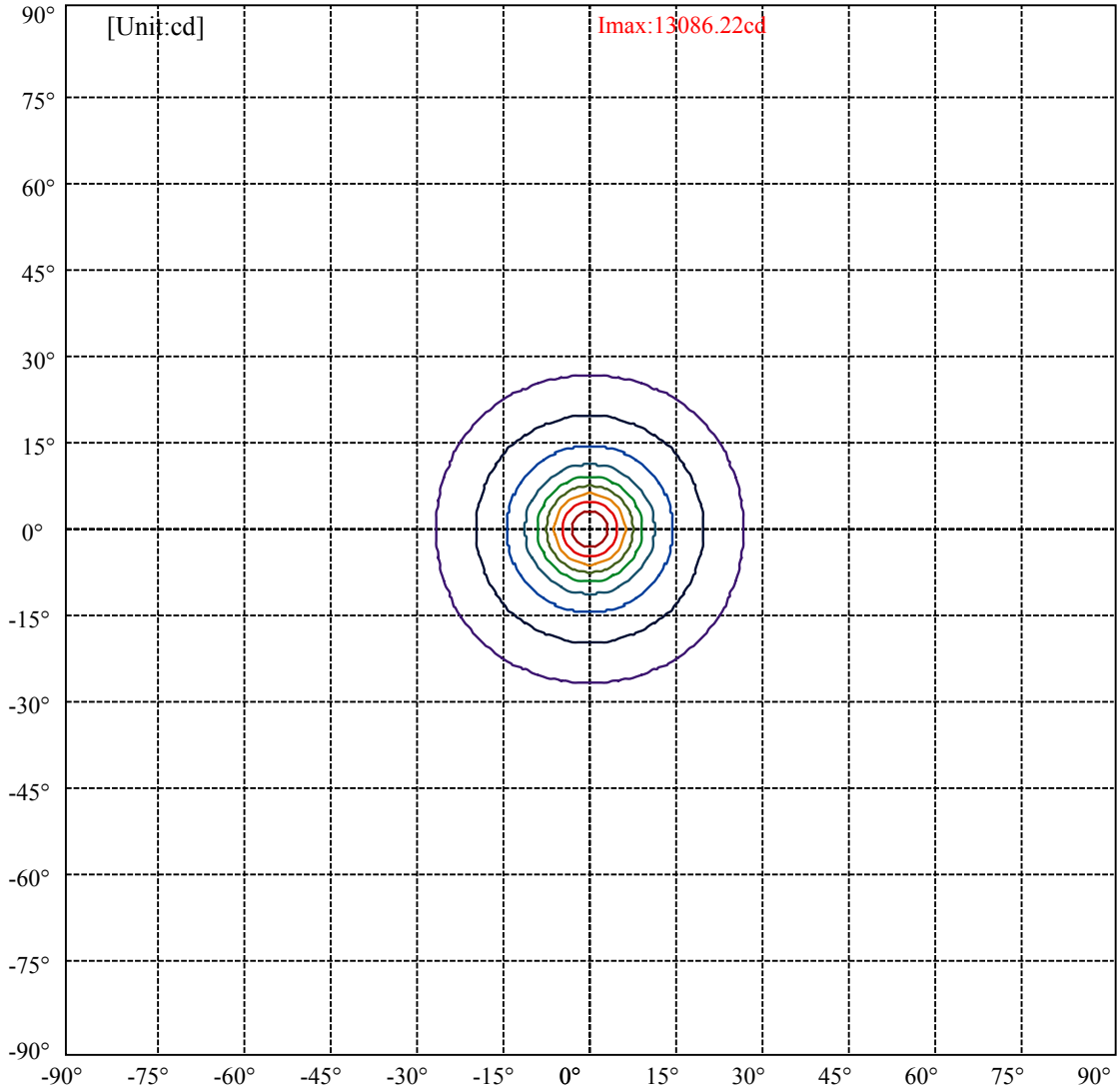
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:26.4 Right:26.4  
:C90/270Left:26.4 Right:26.4

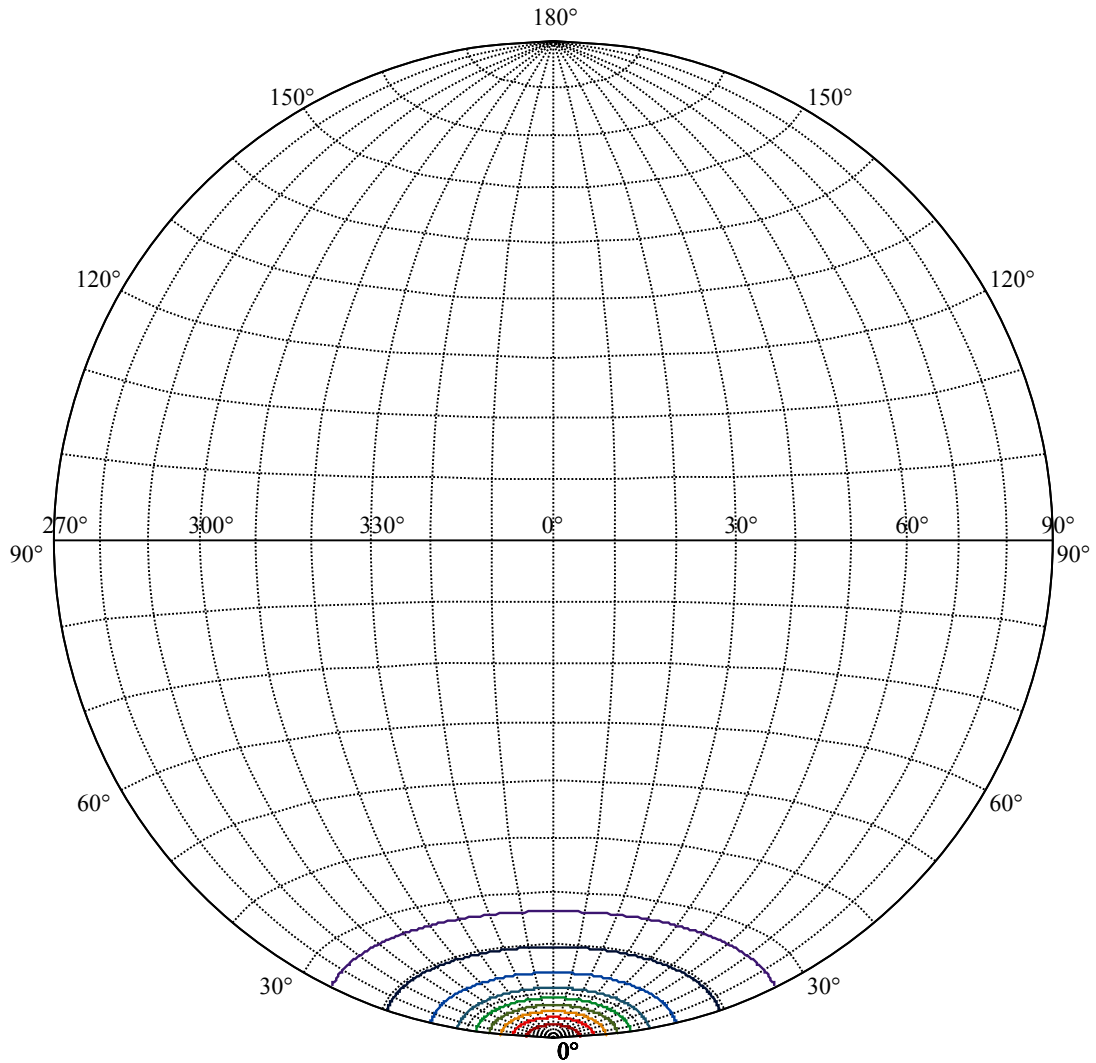
Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0  
:C90/270Left:9.0 Right:9.0





(10%Imax) 1308.62	—
(20%Imax) 2617.24	—
(30%Imax) 3925.86	—
(40%Imax) 5234.49	—
(50%Imax) 6543.11	—
(60%Imax) 7851.73	—
(70%Imax) 9160.35	—
(80%Imax) 10469	—
(90%Imax) 11777.6	—





House

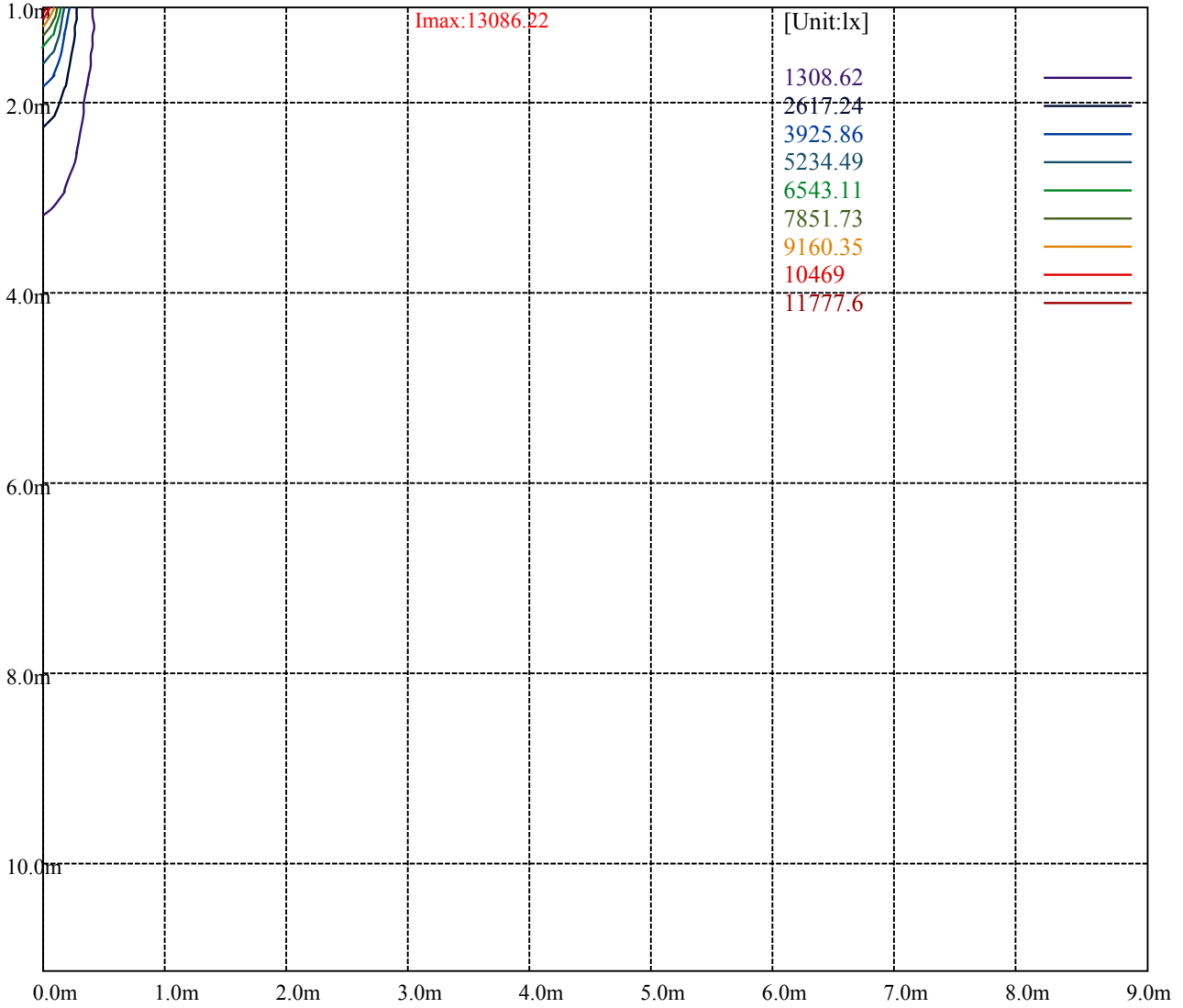
[Unit:cd]

Road

**Imax:13086.22**

(10%Imax) 1308.62	—
(20%Imax) 2617.24	—
(30%Imax) 3925.86	—
(40%Imax) 5234.49	—
(50%Imax) 6543.11	—
(60%Imax) 7851.73	—
(70%Imax) 9160.35	—
(80%Imax) 10469	—
(90%Imax) 11777.6	—





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

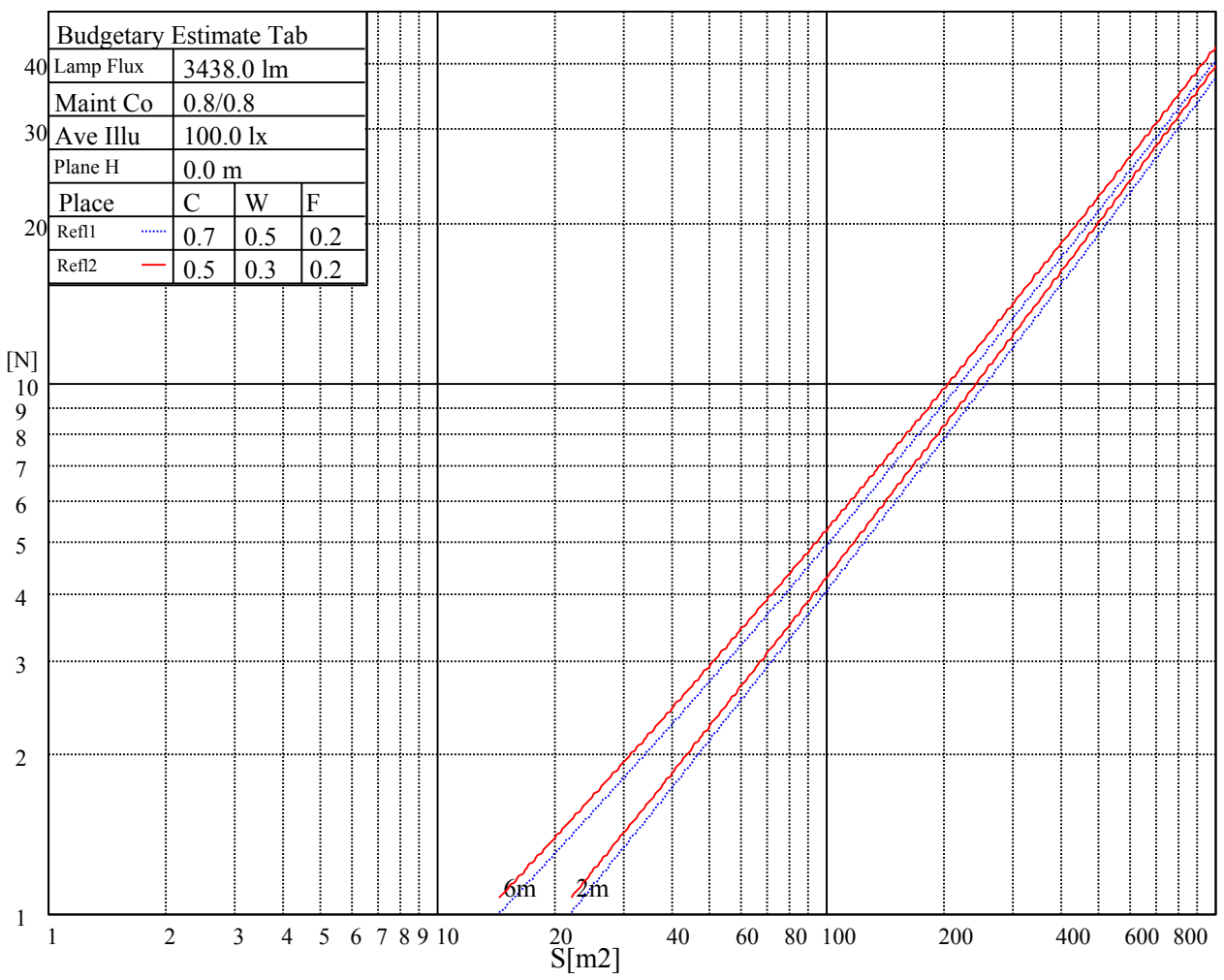
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

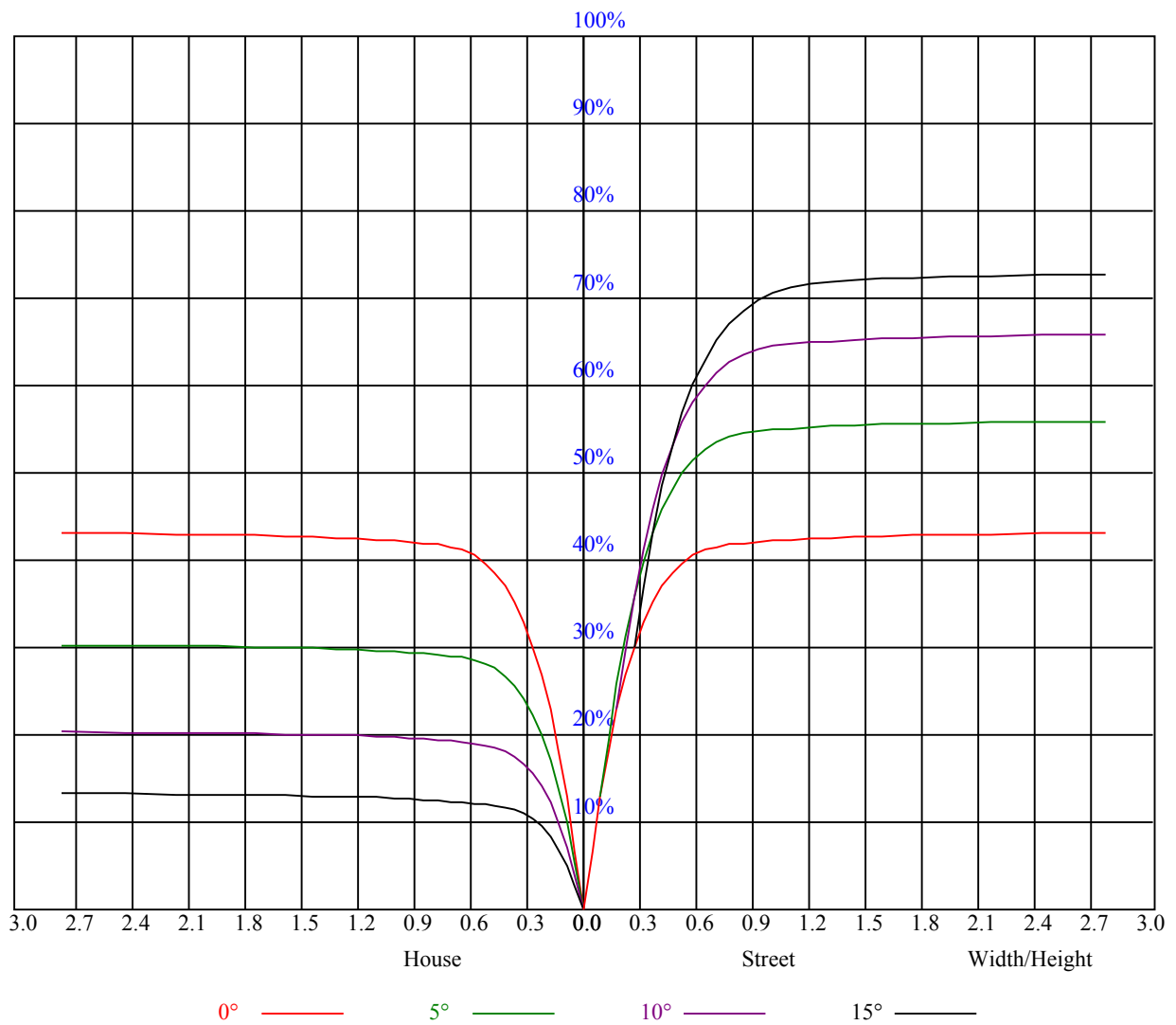


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

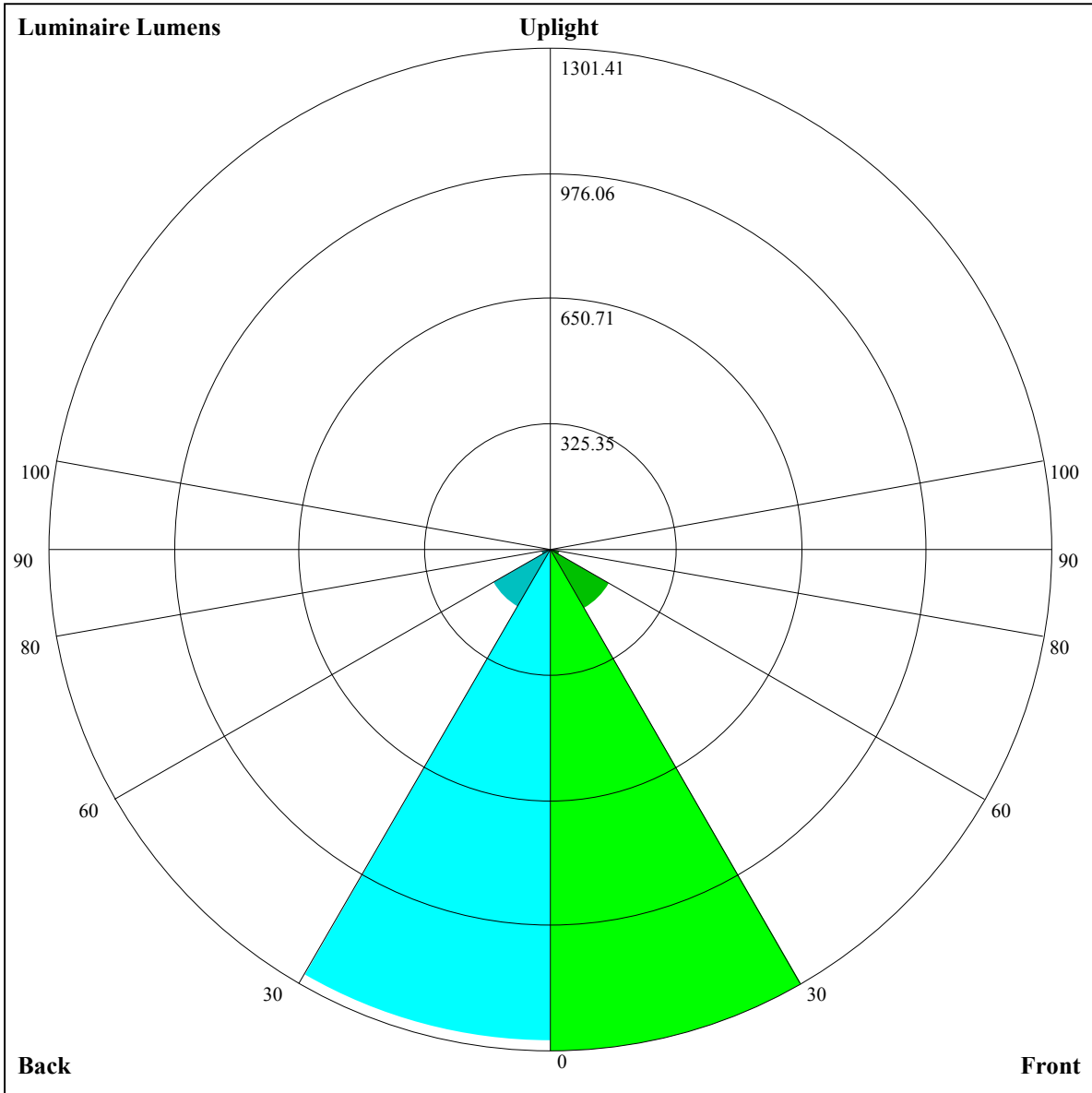
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.04	1.04	1.04	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.87
1	0.97	0.95	0.93	0.95	0.93	0.92	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.82
2	0.91	0.88	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.78
3	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.74
4	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.74	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	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.69	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=1301.41,FM=177.63,FH=25.65,FVH=7.96

BL=1274.47,BM=170.61,BH=25.96,BVH=8.04

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	13141.81	13001.36	11495.63	11495.63	11088.90	10225.11	9312.16	8397.45	7294.89
45.0	13001.36	13147.66	13001.36	12626.81	12041.59	11093.53	10233.24	9302.74	8138.14
90.0	13100.85	12878.46	11598.63	11598.63	10782.24	9876.32	8717.57	7813.40	6976.53
135.0	13100.85	13065.73	12819.94	12187.90	11503.18	10672.16	9765.06	8588.76	7699.22
180.0	13141.81	13030.62	12691.19	11994.77	11286.65	10461.48	9314.44	8383.93	7488.54
225.0	13001.36	11525.48	11525.48	11145.08	10301.19	9153.56	8223.64	7330.59	6542.87
270.0	13100.85	13059.88	12749.71	12205.45	11286.65	10455.63	9566.09	8647.28	7511.95
315.0	13100.85	12831.64	11504.41	11504.41	10693.29	9808.43	8868.56	7704.55	6850.70
360.0	13141.81	13001.36	11495.63	11495.63	11088.90	10225.11	9312.16	8397.45	7294.89
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6524.73	5885.67	5341.99	4784.86	4396.27	4047.47	3657.13	3377.98	3061.96
45.0	7277.86	6517.07	5890.87	5223.72	4784.80	4410.26	4059.12	3667.02	3380.26
90.0	6262.55	5671.47	5056.40	4642.65	4282.15	3948.57	3582.81	3309.51	3004.02
135.0	6891.61	6195.19	5487.07	5013.04	4609.23	4152.76	3825.03	3462.19	3192.99
180.0	6528.77	5873.32	5311.50	4837.47	4345.88	3988.89	3661.17	3391.96	3064.24
225.0	5731.75	5223.19	4781.35	4410.90	3977.83	3670.00	3322.38	3070.15	2837.81
270.0	6698.49	5996.22	5451.96	4860.88	4462.93	4117.64	3713.84	3444.63	3187.14
315.0	6113.90	5403.44	4937.60	4536.14	4185.59	3778.86	3498.53	3238.69	3001.09
360.0	6524.73	5885.67	5341.99	4784.86	4396.27	4047.47	3657.13	3377.98	3061.96
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2840.16	2638.25	2456.83	2242.64	2076.44	1909.06	1739.35	1569.05	1384.12
45.0	3064.24	2953.05	2953.05	2473.80	2267.22	2103.36	1939.49	1735.25	1561.44
90.0	2793.92	2598.46	2380.75	2212.21	2047.76	1838.84	1671.46	1507.60	1296.33
135.0	2953.05	2953.05	2516.53	2336.28	2170.07	2002.11	1792.02	1617.62	1460.19
180.0	2999.86	2999.86	2381.92	2210.45	2055.95	1855.81	1683.75	1520.47	1344.32
225.0	2583.83	2404.16	2235.03	2076.44	1874.53	1712.43	1546.22	1396.99	1166.53
270.0	3005.72	3005.72	2450.40	2287.12	2134.37	1979.29	1776.80	1611.77	1453.17
315.0	2718.43	2522.96	2346.23	2142.57	1986.90	1791.43	1625.81	1466.63	1163.78
360.0	2840.16	2638.25	2456.83	2242.64	2076.44	1909.06	1739.35	1569.05	1384.12
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1157.11	1157.11	1042.99	924.77	775.54	660.66	548.94	413.29	312.16
45.0	1409.87	1299.26	1179.29	1068.09	950.46	832.83	687.11	572.41	462.39
90.0	1167.70	1140.19	1027.66	909.85	760.44	639.30	519.56	380.10	280.50
135.0	1339.05	1218.50	1114.33	999.62	849.81	733.35	591.14	481.70	376.36
180.0	1237.22	1144.17	1036.49	890.77	776.65	664.29	555.44	426.69	332.47
225.0	1166.53	1062.18	943.97	791.63	673.65	558.83	425.22	325.74	218.35
270.0	1322.67	1198.01	1098.53	984.99	866.78	714.62	595.82	453.02	346.51
315.0	1163.78	1110.99	1000.56	887.38	742.07	623.67	507.86	398.42	275.47
360.0	1157.11	1157.11	1042.99	924.77	775.54	660.66	548.94	413.29	312.16
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	225.84	160.35	122.72	113.77	106.63	100.89	93.28	87.61	81.99
45.0	332.47	308.47	308.47	124.83	115.11	106.04	99.72	93.23	87.37
90.0	184.46	139.52	119.62	111.66	103.53	97.32	91.12	85.62	79.06
135.0	303.21	303.21	136.47	121.67	113.59	105.98	99.55	93.28	87.32
180.0	311.40	217.82	134.54	122.19	111.49	104.11	95.39	88.84	82.69
225.0	152.98	119.56	108.73	99.78	93.87	88.78	83.57	76.90	72.04
270.0	299.11	299.11	121.02	108.73	101.60	94.75	89.01	83.86	78.60
315.0	194.00	138.87	111.54	104.05	96.97	92.00	87.08	82.11	75.90
360.0	225.84	160.35	122.72	113.77	106.63	100.89	93.28	87.61	81.99

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	75.96	71.57	67.48	63.38	60.22	56.94	54.54	52.67	51.38
45.0	80.41	75.26	70.81	66.60	62.38	59.11	56.24	52.96	50.91
90.0	74.56	70.11	65.95	61.80	58.82	55.65	53.49	51.50	49.80
135.0	80.88	76.20	70.70	66.72	62.79	59.52	57.29	55.48	53.37
180.0	77.43	72.68	67.48	64.14	60.98	58.46	55.36	53.26	51.44
225.0	68.00	64.26	60.86	58.29	55.25	52.96	50.97	49.63	48.57
270.0	72.74	68.65	64.78	61.80	58.41	55.89	53.78	51.32	49.92
315.0	71.75	67.53	63.38	60.40	57.76	55.54	53.61	51.56	50.27
360.0	75.96	71.57	67.48	63.38	60.22	56.94	54.54	52.67	51.38
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	50.27	49.28	48.46	47.64	46.47	44.18	42.08	38.45	35.64
45.0	49.86	48.63	47.81	46.82	45.88	44.71	43.01	41.26	36.93
90.0	48.87	48.16	47.52	46.47	44.71	42.96	39.85	37.16	34.59
135.0	51.97	50.74	50.04	49.22	47.93	45.71	44.01	40.15	38.10
180.0	50.21	49.04	47.64	46.58	45.18	43.01	40.67	37.57	35.29
225.0	47.70	46.76	45.65	44.42	42.84	41.26	37.40	35.52	32.13
270.0	48.46	47.75	46.99	46.23	44.95	43.19	42.14	38.92	36.11
315.0	48.98	48.40	47.87	46.88	44.89	43.07	39.91	37.51	34.41
360.0	50.27	49.28	48.46	47.64	46.47	44.18	42.08	38.45	35.64
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.72	29.55	26.51	24.64	23.53	23.88	24.81	25.87	25.87
45.0	34.88	31.43	29.03	26.28	24.29	23.17	21.77	21.07	20.31
90.0	31.13	28.44	25.93	24.11	22.88	22.06	21.54	21.65	22.00
135.0	34.65	31.02	29.09	25.98	24.99	23.88	23.94	24.64	25.34
180.0	31.19	29.03	26.63	24.87	23.53	23.29	24.35	25.75	25.75
225.0	28.97	26.74	24.23	23.17	22.00	21.07	20.42	19.90	19.37
270.0	32.89	29.85	27.33	24.87	23.70	22.12	21.30	20.54	20.19
315.0	31.08	28.85	25.75	24.46	23.17	22.06	21.77	21.83	22.59
360.0	31.72	29.55	26.51	24.64	23.53	23.88	24.81	25.87	25.87
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.75	25.34	24.52	23.76	23.12	22.30	21.24	20.60	19.72
45.0	19.78	19.31	18.90	18.38	18.02	17.67	17.32	16.85	16.50
90.0	22.47	23.17	23.58	23.76	23.64	23.12	22.36	21.30	19.49
135.0	26.39	27.51	28.21	28.68	28.91	28.62	28.03	27.45	25.46
180.0	25.75	25.40	24.64	24.11	23.41	22.82	22.00	21.48	20.66
225.0	18.79	18.38	17.97	17.62	17.15	16.74	16.39	15.92	15.57
270.0	20.13	20.48	20.78	20.78	20.66	20.60	20.25	19.72	19.02
315.0	22.88	23.35	23.53	23.47	23.64	23.12	22.77	22.06	20.54
360.0	25.75	25.34	24.52	23.76	23.12	22.30	21.24	20.60	19.72
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.02	15.57	14.81	14.40	14.05	13.75	13.28	13.05	12.93
45.0	16.09	15.63	15.27	14.86	14.46	14.05	13.52	13.17	12.93
90.0	17.44	15.45	14.81	14.51	13.93	13.46	13.17	12.99	12.70
135.0	22.88	18.90	15.63	14.86	14.28	13.69	13.23	13.05	12.99
180.0	19.49	16.09	14.75	14.28	13.81	13.34	13.17	12.99	12.64
225.0	15.22	14.81	14.46	13.99	13.46	13.17	12.99	12.82	12.76
270.0	17.73	16.33	14.75	14.34	13.99	13.58	13.23	12.99	12.76
315.0	18.02	15.68	14.63	14.22	13.93	13.40	13.05	12.87	12.64
360.0	18.02	15.57	14.81	14.40	14.05	13.75	13.28	13.05	12.93

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>12.70</b>
<b>45.0</b>	<b>12.70</b>
<b>90.0</b>	<b>12.82</b>
<b>135.0</b>	<b>12.76</b>
<b>180.0</b>	<b>12.76</b>
<b>225.0</b>	<b>12.82</b>
<b>270.0</b>	<b>12.76</b>
<b>315.0</b>	<b>12.82</b>
<b>360.0</b>	<b>12.70</b>