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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.412.00

Report No: 2024320-B006

Ballast type: AC

Test No: 2024320-C006

Voltage(V): 35.160

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.451

Lamp flux(lm): 2717.0

Power (W): 15.857

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2312.73, Efficiency(%): 85.12% , Luminous Efficacy(lm/W): 145.85

Central intensity(cd): 3866.640, Maximum intensity(cd): 3866.640

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

Beam Angle(50%Imax): [C0/180]Total=46.2

[C90/270]Total=46.2

Field angle(10%Imax): [C0/180]Total=69.6

[C90/270]Total=69.6

Maximum s/h(1/2): C0\_180=0.74 C90\_270=0.74

Maximum s/h(1/4): C0\_180=0.71 C90\_270=0.71

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.12%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.926%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/20  
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	3866.640	0.000	0	0.00%	0.00%
1.0	3861.958	3.698	3.698	0.14%	0.16%
2.0	3849.376	11.068	14.766	0.41%	0.64%
3.0	3832.039	18.371	33.137	0.68%	1.43%
4.0	3808.044	25.574	58.711	0.94%	2.54%
5.0	3780.539	32.646	91.357	1.20%	3.95%
6.0	3747.913	39.564	130.921	1.46%	5.66%
7.0	3704.094	46.254	177.175	1.70%	7.66%
8.0	3650.692	52.637	229.812	1.94%	9.94%
9.0	3579.807	58.599	288.411	2.16%	12.47%
10.0	3500.728	64.076	352.488	2.36%	15.24%
11.0	3419.455	69.147	421.635	2.54%	18.23%
12.0	3329.111	73.771	495.406	2.72%	21.42%
13.0	3227.721	77.813	573.219	2.86%	24.79%
14.0	3134.816	81.440	654.659	3.00%	28.31%
15.0	3022.160	84.526	739.185	3.11%	31.96%
16.0	2896.410	86.724	825.908	3.19%	35.71%
17.0	2765.539	88.172	914.08	3.25%	39.52%
18.0	2634.083	89.028	1003.108	3.28%	43.37%
19.0	2502.700	89.370	1092.478	3.29%	47.24%
20.0	2372.488	89.229	1181.707	3.28%	51.10%
21.0	2233.497	88.444	1270.151	3.26%	54.92%
22.0	2094.432	86.972	1357.123	3.20%	58.68%
23.0	1952.515	84.916	1442.039	3.13%	62.35%
24.0	1816.085	82.395	1524.434	3.03%	65.91%
25.0	1666.414	79.184	1603.618	2.91%	69.34%
26.0	1474.840	74.150	1677.768	2.73%	72.54%
27.0	1283.523	67.484	1745.252	2.48%	75.46%
28.0	1203.047	62.955	1808.207	2.32%	78.19%
29.0	1078.621	59.695	1867.902	2.20%	80.77%
30.0	930.398	54.243	1922.145	2.00%	83.11%
31.0	792.482	47.945	1970.09	1.76%	85.18%
32.0	659.161	41.588	2011.678	1.53%	86.98%
33.0	547.317	35.543	2047.221	1.31%	88.52%
34.0	447.792	30.115	2077.336	1.11%	89.82%
35.0	369.065	25.369	2102.705	0.93%	90.92%
36.0	305.341	21.473	2124.178	0.79%	91.85%
37.0	266.394	18.647	2142.825	0.69%	92.65%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	232.678	16.658	2159.483	0.61%	93.37%
39.0	172.971	13.846	2173.329	0.51%	93.97%
40.0	138.486	10.863	2184.191	0.40%	94.44%
41.0	115.670	9.050	2193.242	0.33%	94.83%
42.0	96.101	7.694	2200.936	0.28%	95.17%
43.0	81.419	6.576	2207.512	0.24%	95.45%
44.0	69.773	5.706	2213.218	0.21%	95.70%
45.0	60.754	5.016	2218.234	0.18%	95.91%
46.0	54.009	4.488	2222.723	0.17%	96.11%
47.0	48.727	4.086	2226.809	0.15%	96.28%
48.0	44.960	3.787	2230.596	0.14%	96.45%
49.0	41.551	3.553	2234.149	0.13%	96.60%
50.0	38.932	3.356	2237.504	0.12%	96.75%
51.0	36.584	3.195	2240.699	0.12%	96.89%
52.0	34.645	3.056	2243.756	0.11%	97.02%
53.0	32.868	2.937	2246.693	0.11%	97.14%
54.0	31.368	2.831	2249.524	0.10%	97.27%
55.0	30.073	2.743	2252.266	0.10%	97.39%
56.0	28.866	2.663	2254.93	0.10%	97.50%
57.0	27.688	2.586	2257.516	0.10%	97.61%
58.0	26.467	2.504	2260.02	0.09%	97.72%
59.0	25.231	2.417	2262.437	0.09%	97.83%
60.0	24.060	2.329	2264.765	0.09%	97.93%
61.0	22.897	2.241	2267.006	0.08%	98.02%
62.0	21.814	2.154	2269.161	0.08%	98.12%
63.0	20.754	2.070	2271.231	0.08%	98.21%
64.0	19.824	1.991	2273.222	0.07%	98.29%
65.0	18.764	1.910	2275.132	0.07%	98.37%
66.0	17.901	1.829	2276.961	0.07%	98.45%
67.0	17.359	1.773	2278.734	0.07%	98.53%
68.0	16.950	1.738	2280.472	0.06%	98.61%
69.0	16.664	1.715	2282.187	0.06%	98.68%
70.0	16.430	1.700	2283.887	0.06%	98.75%
71.0	16.255	1.689	2285.576	0.06%	98.83%
72.0	16.108	1.683	2287.259	0.06%	98.90%
73.0	15.955	1.677	2288.935	0.06%	98.97%
74.0	15.786	1.669	2290.604	0.06%	99.04%
75.0	15.647	1.661	2292.265	0.06%	99.12%

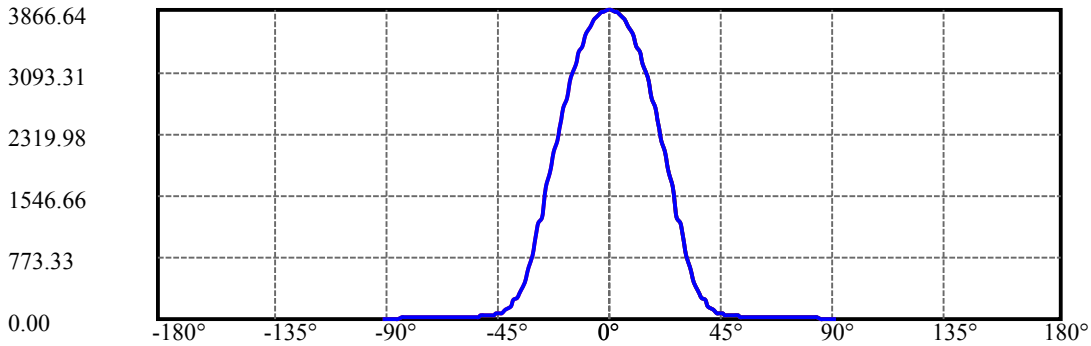
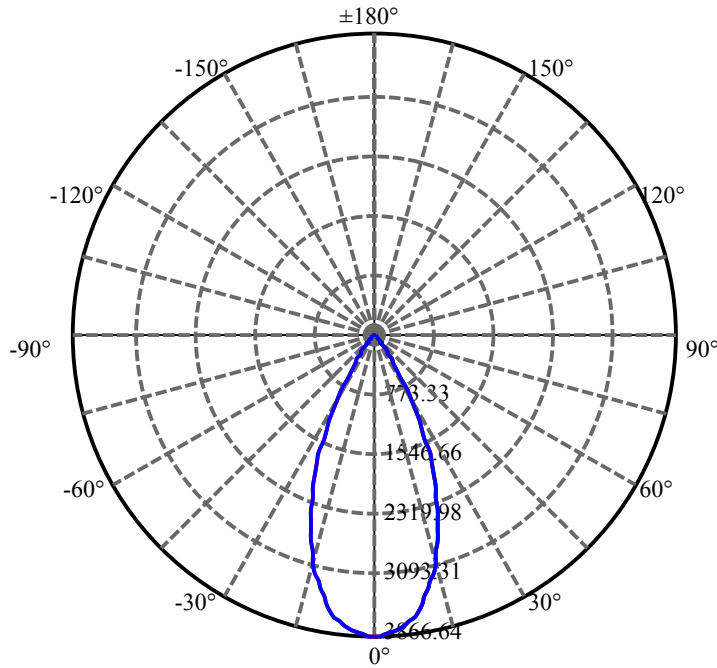
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.516	1.654	2293.919	0.06%	99.19%
77.0	15.348	1.645	2295.565	0.06%	99.26%
78.0	15.179	1.634	2297.199	0.06%	99.33%
79.0	14.945	1.619	2298.817	0.06%	99.40%
80.0	14.462	1.585	2300.403	0.06%	99.47%
81.0	13.958	1.537	2301.94	0.06%	99.53%
82.0	13.328	1.480	2303.419	0.05%	99.60%
83.0	12.341	1.395	2304.815	0.05%	99.66%
84.0	11.485	1.298	2306.113	0.05%	99.71%
85.0	10.754	1.214	2307.327	0.04%	99.77%
86.0	10.190	1.145	2308.471	0.04%	99.82%
87.0	9.846	1.097	2309.568	0.04%	99.86%
88.0	9.642	1.068	2310.635	0.04%	99.91%
89.0	9.510	1.050	2311.685	0.04%	99.95%
90.0	9.503	1.042	2312.728	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1922.14	70.75%	83.11%
0-40	2184.19	80.39%	94.44%
0-60	2264.77	83.36%	97.93%
0-90	2311.69	85.08%	99.95%
0-120	2311.69	85.08%	99.95%
0-180	2312.73	85.12%	100.00%
60-90	46.92	1.73%	2.03%
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%
0-28.70	1850.18	68.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	352.49
10-20	829.22
20-30	740.44
30-40	262.05
40-50	53.31
50-60	27.26
60-70	19.12
70-80	16.52
80-90	11.28
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: —————

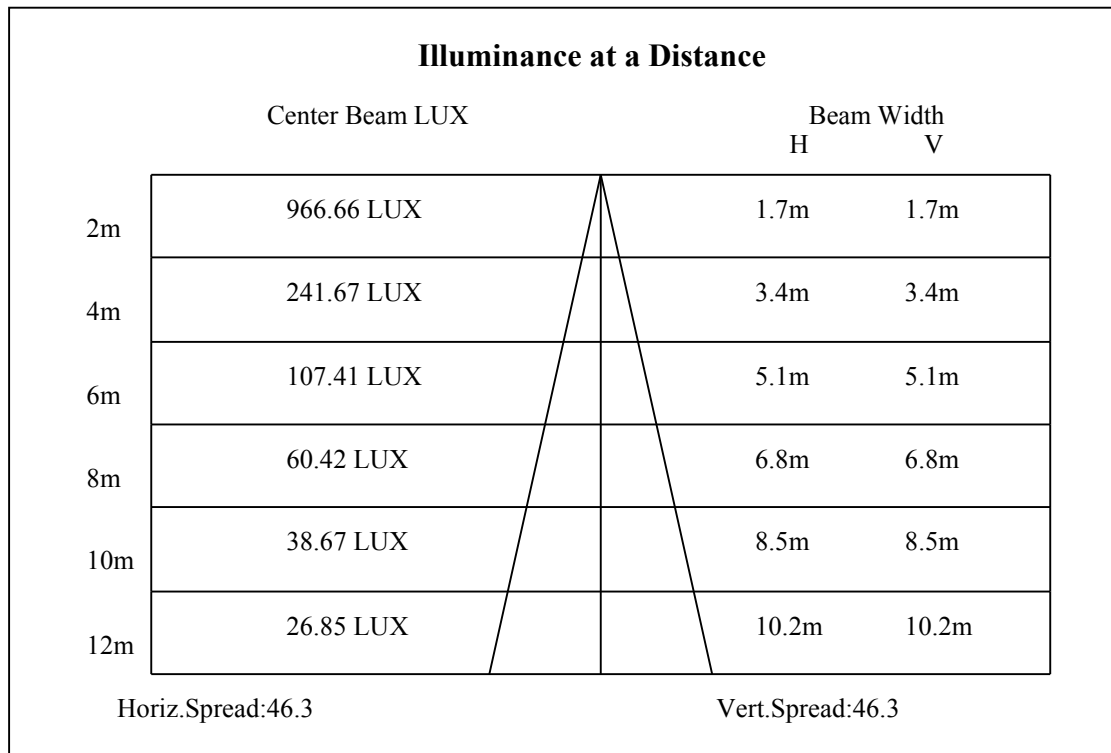
C90/C270: —————

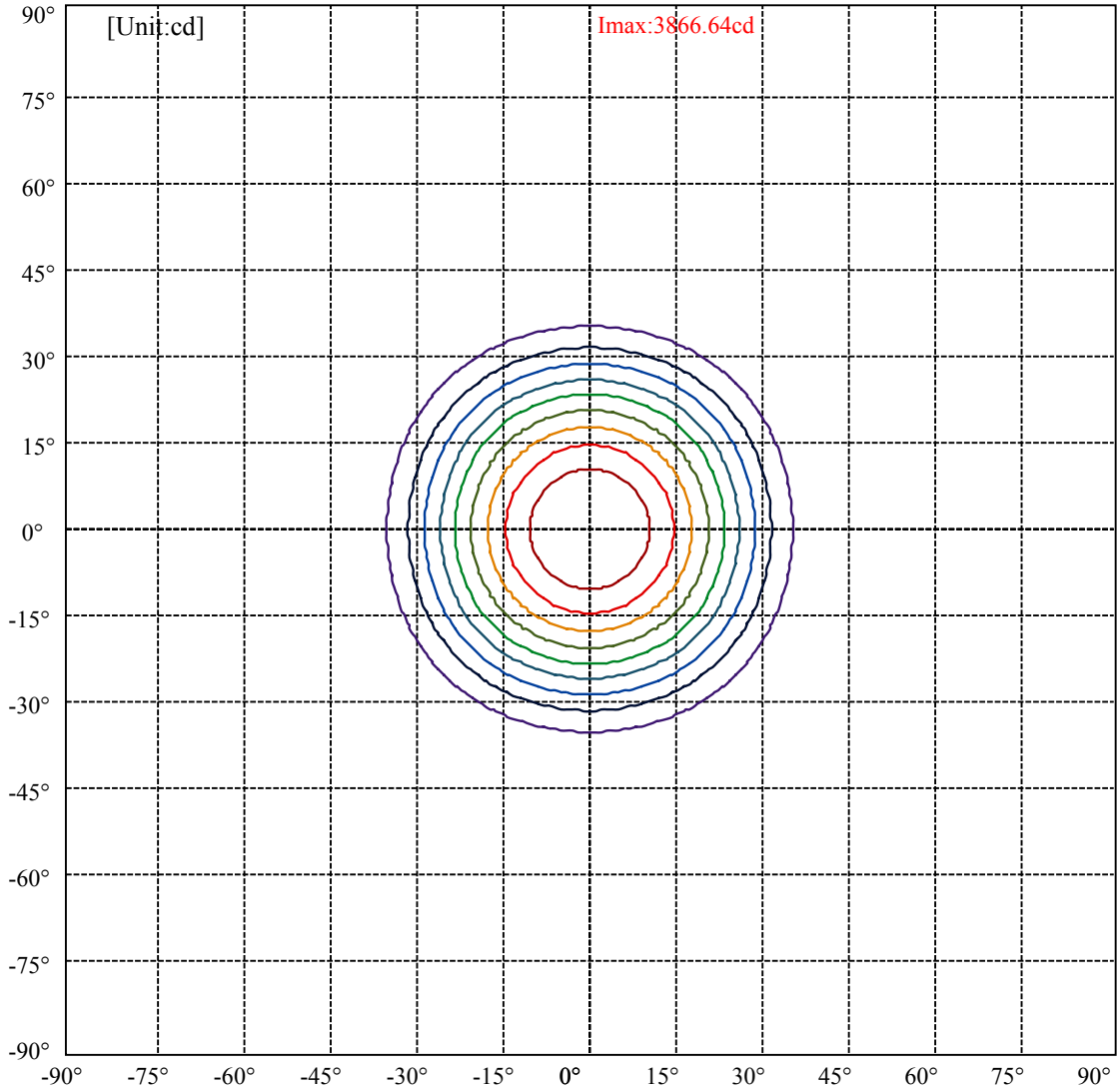
Field angle(10%Imax):C0/180Left:34.8 Right:34.8

:C90/270Left:34.8 Right:34.8

Beam Angle(50%Imax):C0/180Left:23.1 Right:23.1

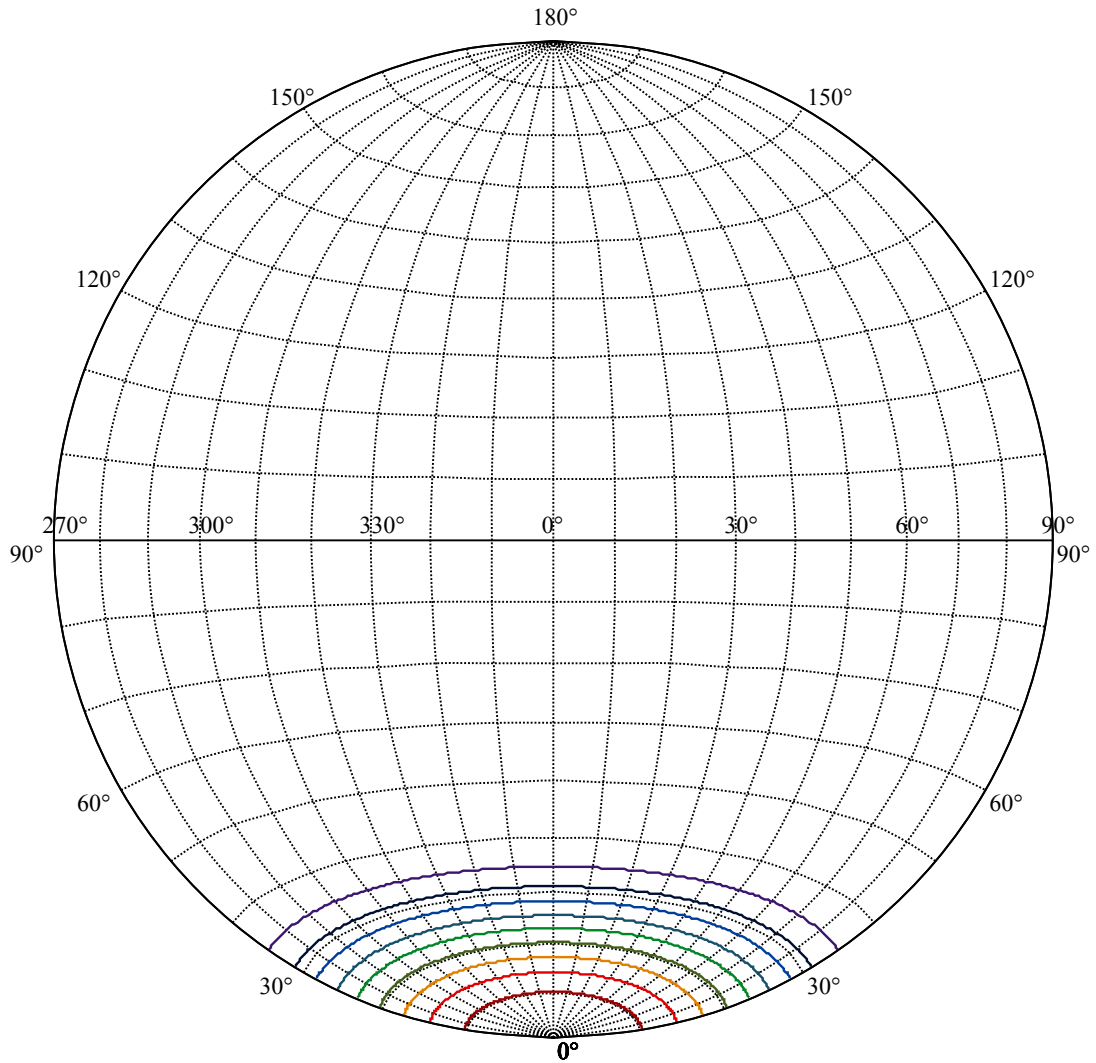
:C90/270Left:23.1 Right:23.1





(10%I <sub>max</sub> ) 386.664	—
(20%I <sub>max</sub> ) 773.328	—
(30%I <sub>max</sub> ) 1159.99	—
(40%I <sub>max</sub> ) 1546.66	—
(50%I <sub>max</sub> ) 1933.32	—
(60%I <sub>max</sub> ) 2319.98	—
(70%I <sub>max</sub> ) 2706.65	—
(80%I <sub>max</sub> ) 3093.31	—
(90%I <sub>max</sub> ) 3479.98	—





House

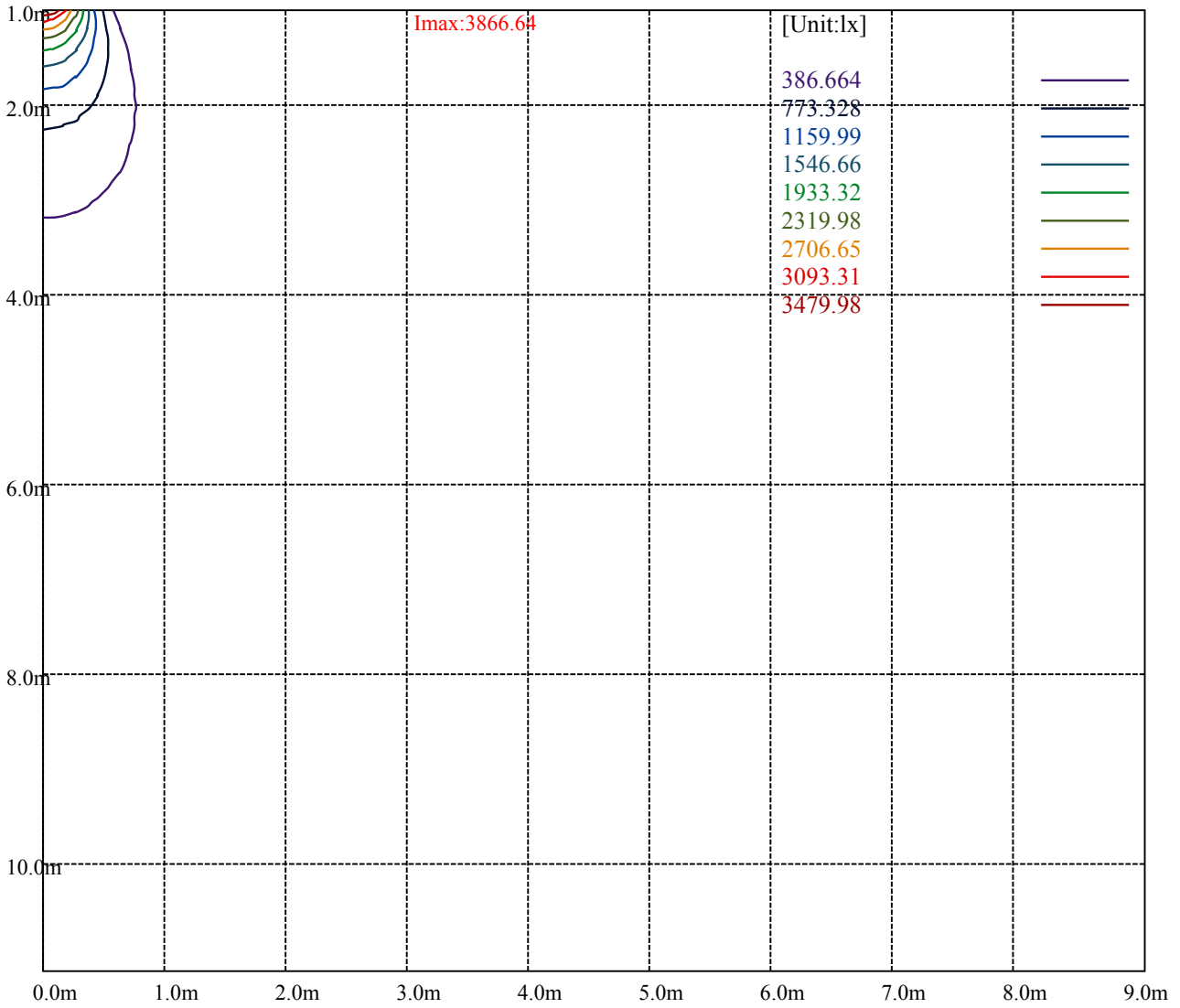
[Unit:cd]

Road

Imax:3866.64

(10%Imax)	386.664	—
(20%Imax)	773.328	—
(30%Imax)	1159.99	—
(40%Imax)	1546.66	—
(50%Imax)	1933.32	—
(60%Imax)	2319.98	—
(70%Imax)	2706.65	—
(80%Imax)	3093.31	—
(90%Imax)	3479.98	—





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

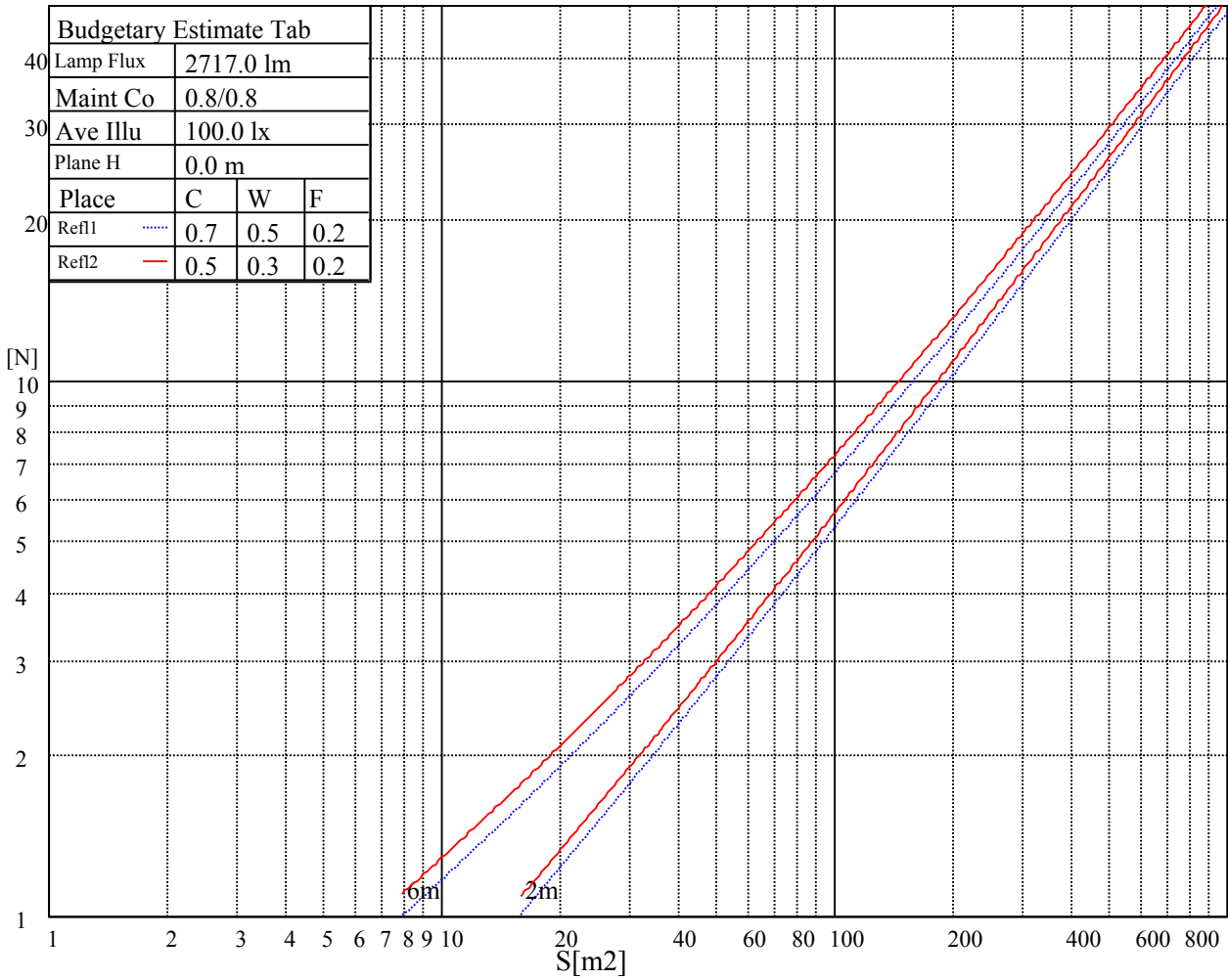
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

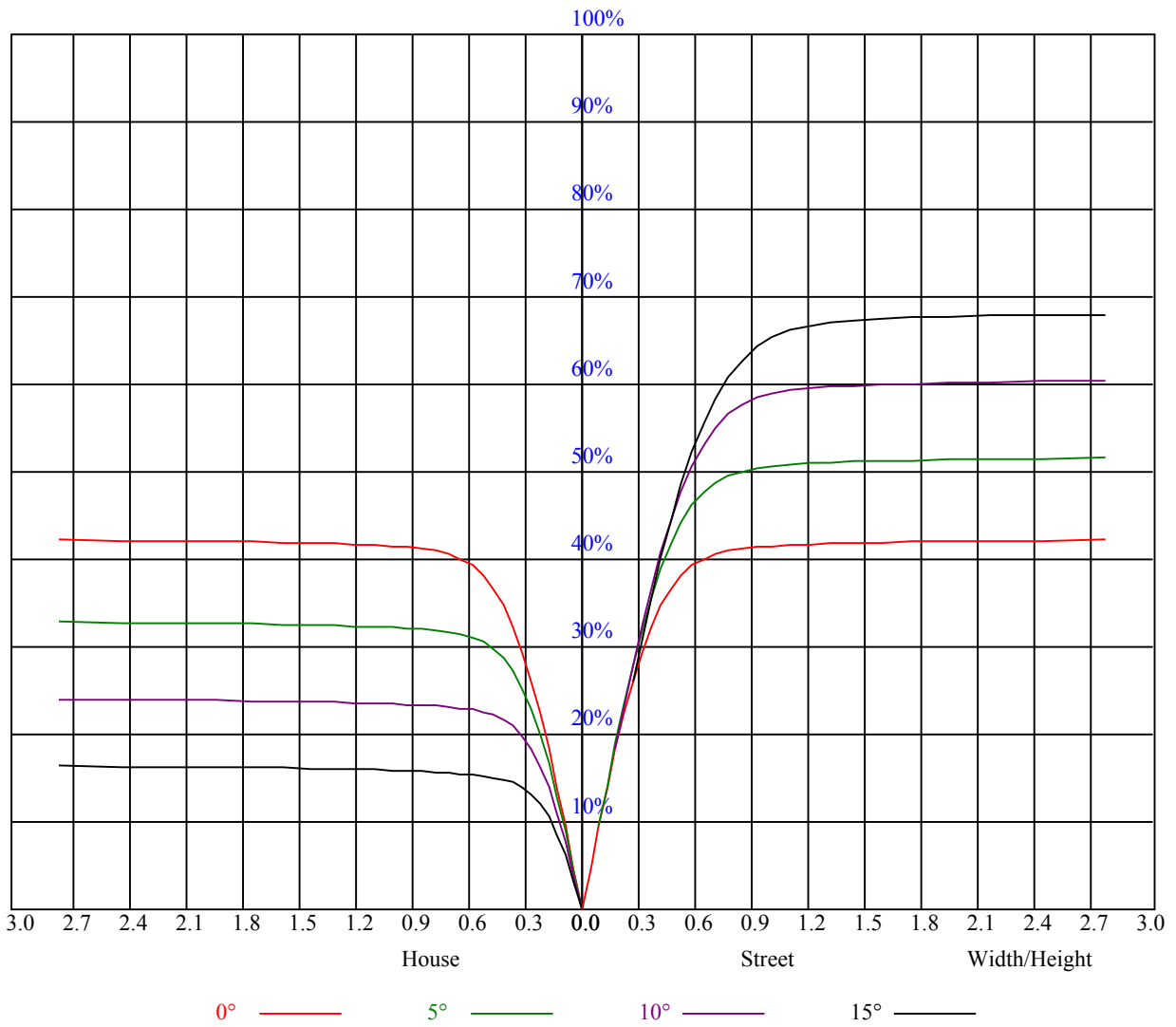


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

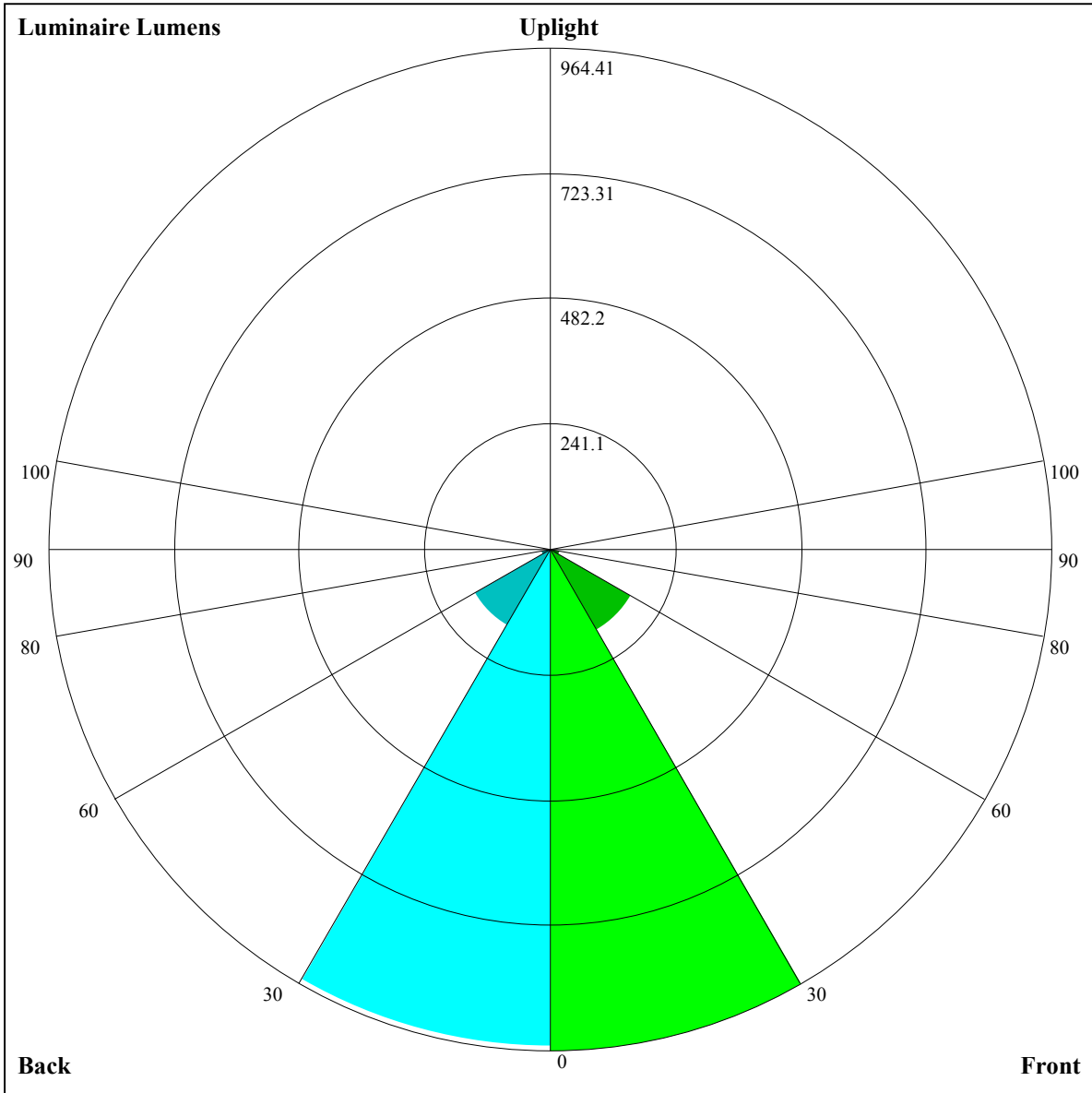
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.94	0.92	0.91	0.93	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.88	0.85	0.82	0.87	0.84	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.62	0.70	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.58	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49







Luminaire Lumens:

FL=964.41,FM=177.33,FH=17.94,FVH=6.21

BL=955.03,BM=169.48,BH=17.74,BVH=6.14

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	3867.81	3857.28	3846.16	3828.02	3799.92	3773.59	3744.91	3695.17	3644.25
45.0	3869.57	3868.40	3857.86	3840.89	3820.99	3795.83	3764.81	3729.70	3689.32
90.0	3867.23	3855.52	3831.53	3812.21	3789.98	3753.69	3718.58	3669.42	3609.73
135.0	3861.96	3859.62	3849.67	3830.36	3809.87	3787.63	3760.71	3716.82	3665.91
180.0	3867.81	3865.47	3859.03	3846.74	3823.33	3796.41	3767.15	3732.62	3667.66
225.0	3869.57	3865.47	3849.67	3830.94	3805.19	3779.44	3731.45	3682.88	3619.68
270.0	3867.23	3871.32	3864.30	3852.01	3831.53	3801.68	3774.17	3739.06	3698.68
315.0	3861.96	3852.59	3836.79	3815.14	3783.54	3756.03	3721.50	3667.08	3610.31
360.0	3867.81	3857.28	3846.16	3828.02	3799.92	3773.59	3744.91	3695.17	3644.25
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3583.39	3492.10	3414.85	3332.33	3225.82	3133.94	3029.77	2912.72	2762.32
45.0	3623.19	3555.30	3485.66	3388.51	3307.75	3221.14	3123.99	2988.22	2870.00
90.0	3523.70	3449.96	3375.05	3290.78	3175.49	3075.42	2936.13	2815.58	2689.17
135.0	3606.21	3535.99	3441.18	3360.42	3255.67	3164.96	3064.30	2920.92	2796.85
180.0	3603.29	3505.56	3442.94	3340.52	3229.92	3133.94	3033.86	2918.58	2764.08
225.0	3524.28	3441.77	3353.40	3247.47	3153.25	3056.69	2916.82	2789.83	2662.83
270.0	3630.79	3561.15	3481.56	3394.36	3282.00	3191.29	3097.07	2967.15	2844.84
315.0	3543.60	3464.01	3361.01	3278.49	3191.88	3101.17	2975.34	2858.30	2734.23
360.0	3583.39	3492.10	3414.85	3332.33	3225.82	3133.94	3029.77	2912.72	2762.32
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2640.01	2490.78	2369.05	2242.64	2081.70	1947.69	1818.35	1686.68	1518.13
45.0	2749.45	2626.55	2473.80	2354.42	2230.35	2070.00	1938.91	1805.48	1636.93
90.0	2566.27	2416.45	2293.56	2129.69	1996.85	1864.00	1732.32	1560.27	1316.81
135.0	2673.95	2554.57	2407.09	2283.61	2156.03	2022.01	1852.88	1716.52	1573.73
180.0	2635.91	2514.19	2387.19	2223.91	2101.60	1963.49	1827.13	1655.07	1523.98
225.0	2538.18	2385.44	2254.35	2125.01	1959.98	1825.38	1688.43	1515.21	1136.68
270.0	2685.66	2568.03	2445.71	2318.13	2164.22	2023.77	1901.45	1758.07	1596.55
315.0	2583.24	2465.61	2349.15	2190.56	2064.73	1903.80	1769.19	1634.01	1495.89
360.0	2640.01	2490.78	2369.05	2242.64	2081.70	1947.69	1818.35	1686.68	1518.13
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1142.36	1142.36	1109.00	946.72	816.62	690.33	576.56	457.70	381.68
45.0	1496.48	1321.50	1183.97	1049.95	917.11	755.00	637.37	533.78	444.83
90.0	1138.09	1138.09	1005.83	841.73	716.84	603.66	480.24	399.83	317.84
135.0	1401.09	1260.05	1122.52	956.32	822.88	666.63	555.44	462.97	388.06
180.0	1344.91	1214.40	1073.36	911.25	778.99	652.00	541.39	431.95	365.24
225.0	1136.68	1069.91	932.61	803.63	651.36	543.85	451.33	377.06	303.91
270.0	1451.42	1320.91	1145.34	1011.33	874.97	719.89	602.84	477.60	397.43
315.0	1157.17	1157.17	1056.33	922.26	761.09	641.93	533.37	441.44	353.53
360.0	1142.36	1142.36	1109.00	946.72	816.62	690.33	576.56	457.70	381.68
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	318.36	252.00	207.64	163.69	136.77	114.29	96.39	78.71	67.77
45.0	355.88	296.18	296.18	234.44	157.89	131.79	106.80	91.12	78.83
90.0	263.94	219.75	174.22	145.43	122.96	104.81	86.96	75.79	66.72
135.0	310.81	296.77	296.77	175.27	140.22	118.27	100.37	85.74	71.34
180.0	306.72	306.72	201.67	168.02	140.16	111.90	94.28	79.88	68.41
225.0	256.33	215.54	180.19	144.73	121.96	102.77	84.27	72.51	60.92
270.0	333.05	306.13	306.13	186.75	156.37	131.15	106.34	90.77	77.78
315.0	297.65	238.07	198.63	165.44	131.56	110.37	93.40	76.84	66.42
360.0	318.36	252.00	207.64	163.69	136.77	114.29	96.39	78.71	67.77

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	59.17	52.85	47.11	43.77	41.02	38.57	36.11	34.35	32.42
45.0	67.07	59.75	54.31	49.57	44.77	41.43	38.74	36.58	34.29
90.0	59.40	52.44	47.87	44.13	40.32	37.86	35.82	33.59	32.13
135.0	62.50	56.01	49.92	46.17	42.25	39.50	37.16	35.17	33.07
180.0	57.82	51.85	46.53	43.37	40.61	37.69	35.70	34.06	32.42
225.0	54.48	49.57	45.76	42.14	39.62	37.51	35.64	33.53	32.07
270.0	67.30	57.47	51.73	47.34	43.25	40.61	37.75	35.82	34.06
315.0	58.29	52.14	46.58	43.19	40.56	38.27	35.76	34.06	32.48
360.0	59.17	52.85	47.11	43.77	41.02	38.57	36.11	34.35	32.42
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.13	29.96	28.62	27.51	26.34	25.05	23.94	22.88	21.89
45.0	32.66	31.31	29.79	28.73	27.56	26.10	24.99	23.88	22.47
90.0	30.72	29.26	28.15	26.98	25.81	24.46	23.47	22.30	21.30
135.0	31.60	30.37	29.32	27.92	26.80	25.69	24.64	23.29	22.06
180.0	30.78	29.67	28.56	27.51	26.16	25.05	23.64	22.53	21.54
225.0	30.78	29.61	28.27	27.10	25.63	24.52	23.35	22.06	21.07
270.0	32.48	30.78	29.67	28.62	27.45	26.04	24.93	23.76	22.71
315.0	30.78	29.61	28.56	27.15	25.98	24.93	23.53	22.47	21.48
360.0	31.13	29.96	28.62	27.51	26.34	25.05	23.94	22.88	21.89
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.78	19.90	18.90	18.02	17.44	17.09	16.80	16.56	16.44
45.0	21.42	20.60	19.72	18.49	17.85	17.44	17.09	16.74	16.50
90.0	20.19	19.25	18.14	17.56	17.21	16.80	16.56	16.39	16.15
135.0	20.83	19.96	19.02	17.85	17.32	16.91	16.62	16.39	16.21
180.0	20.66	19.43	18.38	17.62	16.97	16.62	16.33	16.15	16.04
225.0	20.19	19.25	18.08	17.50	17.15	16.80	16.50	16.33	16.15
270.0	21.42	20.54	19.37	18.43	17.73	17.21	16.91	16.62	16.44
315.0	20.54	19.66	18.49	17.73	17.21	16.74	16.50	16.27	16.09
360.0	20.78	19.90	18.90	18.02	17.44	17.09	16.80	16.56	16.44
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.27	16.15	16.09	15.98	15.92	15.74	15.63	15.39	14.81
45.0	16.33	16.15	16.04	15.86	15.68	15.57	15.39	15.22	14.98
90.0	16.04	15.86	15.68	15.57	15.45	15.27	15.10	14.75	14.22
135.0	16.09	15.98	15.74	15.57	15.45	15.27	15.16	14.92	14.57
180.0	15.92	15.80	15.57	15.51	15.39	15.27	15.04	14.86	14.10
225.0	15.98	15.86	15.63	15.45	15.27	15.04	14.86	14.57	13.99
270.0	16.27	16.09	15.92	15.74	15.57	15.45	15.27	15.04	14.86
315.0	15.98	15.74	15.63	15.51	15.39	15.16	14.98	14.81	14.16
360.0	16.27	16.15	16.09	15.98	15.92	15.74	15.63	15.39	14.81
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	13.69	12.64	11.70	10.94	10.30	9.95	9.71	9.54
45.0	14.40	13.87	13.05	11.94	11.24	10.48	10.01	9.77	9.60
90.0	13.81	12.93	11.88	11.18	10.42	9.95	9.71	9.54	9.48
135.0	14.05	13.64	12.58	11.65	10.89	10.24	9.83	9.66	9.48
180.0	13.81	13.28	12.17	11.41	10.65	10.18	9.89	9.66	9.54
225.0	13.46	12.52	11.70	10.94	10.36	10.01	9.71	9.54	9.48
270.0	14.22	13.69	12.70	11.82	11.00	10.36	9.95	9.66	9.54
315.0	13.64	12.99	12.00	11.24	10.53	10.01	9.71	9.60	9.42
360.0	14.28	13.69	12.64	11.70	10.94	10.30	9.95	9.71	9.54

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.48
90.0	9.48
135.0	9.48
180.0	9.60
225.0	9.54
270.0	9.42
315.0	9.48
360.0	9.54