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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.429.00

Report No: 2024411-B002

Ballast type: AC

Test No: 2024411-C002

Voltage(V): 34.760

LampCAT: CREE CXA1830 LES14

Current(A): 0.530

Lamp flux(lm): 2685.0

Power (W): 18.422

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2296.86, Efficiency(%): 85.54% , Luminous Efficacy(lm/W): 124.68

Central intensity(cd): 3903.070, Maximum intensity(cd): 3903.070

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

Beam Angle(50%Imax): [C0/180]Total=45.4

[C90/270]Total=45.4

Field angle(10%Imax): [C0/180]Total=70.0

[C90/270]Total=70.0

Maximum s/h(1/2): C0\_180=0.72 C90\_270=0.72

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(%): 85.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.909%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/11  
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	3903.070	0.000	0	0.00%	0.00%
1.0	3898.389	3.733	3.733	0.14%	0.16%
2.0	3887.269	11.175	14.908	0.42%	0.65%
3.0	3867.884	18.548	33.455	0.69%	1.46%
4.0	3845.060	25.818	59.273	0.96%	2.58%
5.0	3811.629	32.939	92.212	1.23%	4.01%
6.0	3772.273	39.855	132.067	1.48%	5.75%
7.0	3723.845	46.528	178.595	1.73%	7.78%
8.0	3664.445	52.877	231.472	1.97%	10.08%
9.0	3601.021	58.883	290.355	2.19%	12.64%
10.0	3519.016	64.434	354.788	2.40%	15.45%
11.0	3436.280	69.498	424.286	2.59%	18.47%
12.0	3341.328	74.089	498.375	2.76%	21.70%
13.0	3241.839	78.126	576.501	2.91%	25.10%
14.0	3134.670	81.619	658.119	3.04%	28.65%
15.0	3017.771	84.463	742.583	3.15%	32.33%
16.0	2896.922	86.667	829.25	3.23%	36.10%
17.0	2759.687	88.089	917.338	3.28%	39.94%
18.0	2627.134	88.817	1006.155	3.31%	43.81%
19.0	2479.657	88.848	1095.003	3.31%	47.67%
20.0	2334.741	88.117	1183.12	3.28%	51.51%
21.0	2185.142	86.791	1269.911	3.23%	55.29%
22.0	2041.762	84.941	1354.852	3.16%	58.99%
23.0	1903.210	82.776	1437.628	3.08%	62.59%
24.0	1762.537	80.146	1517.775	2.98%	66.08%
25.0	1637.957	77.320	1595.095	2.88%	69.45%
26.0	1489.917	73.834	1668.928	2.75%	72.66%
27.0	1319.031	68.722	1737.65	2.56%	75.65%
28.0	1219.075	64.259	1801.909	2.39%	78.45%
29.0	1114.210	61.045	1862.955	2.27%	81.11%
30.0	982.205	56.603	1919.557	2.11%	83.57%
31.0	850.712	51.007	1970.565	1.90%	85.79%
32.0	730.551	45.301	2015.866	1.69%	87.77%
33.0	607.902	39.431	2055.298	1.47%	89.48%
34.0	488.795	33.189	2088.487	1.24%	90.93%
35.0	388.531	27.246	2115.733	1.01%	92.11%
36.0	297.075	21.830	2137.563	0.81%	93.06%
37.0	244.953	17.678	2155.241	0.66%	93.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	161.588	13.570	2168.811	0.51%	94.43%
39.0	107.681	9.191	2178.002	0.34%	94.83%
40.0	78.610	6.497	2184.499	0.24%	95.11%
41.0	67.593	5.206	2189.705	0.19%	95.33%
42.0	60.827	4.666	2194.371	0.17%	95.54%
43.0	55.399	4.305	2198.676	0.16%	95.73%
44.0	51.032	4.017	2202.693	0.15%	95.90%
45.0	47.476	3.786	2206.479	0.14%	96.07%
46.0	44.470	3.596	2210.075	0.13%	96.22%
47.0	41.931	3.436	2213.511	0.13%	96.37%
48.0	39.715	3.301	2216.812	0.12%	96.51%
49.0	37.806	3.183	2219.995	0.12%	96.65%
50.0	35.677	3.064	2223.059	0.11%	96.79%
51.0	34.024	2.949	2226.008	0.11%	96.92%
52.0	32.407	2.851	2228.858	0.11%	97.04%
53.0	30.966	2.757	2231.615	0.10%	97.16%
54.0	29.642	2.671	2234.286	0.10%	97.28%
55.0	28.500	2.595	2236.882	0.10%	97.39%
56.0	27.454	2.528	2239.41	0.09%	97.50%
57.0	26.386	2.462	2241.872	0.09%	97.61%
58.0	25.318	2.391	2244.263	0.09%	97.71%
59.0	24.243	2.317	2246.58	0.09%	97.81%
60.0	23.233	2.243	2248.823	0.08%	97.91%
61.0	22.224	2.169	2250.992	0.08%	98.00%
62.0	21.127	2.089	2253.081	0.08%	98.09%
63.0	20.102	2.005	2255.086	0.07%	98.18%
64.0	19.115	1.924	2257.011	0.07%	98.27%
65.0	18.325	1.853	2258.864	0.07%	98.35%
66.0	17.564	1.791	2260.654	0.07%	98.42%
67.0	16.906	1.733	2262.387	0.06%	98.50%
68.0	16.342	1.684	2264.072	0.06%	98.57%
69.0	15.896	1.645	2265.716	0.06%	98.64%
70.0	15.713	1.623	2267.34	0.06%	98.71%
71.0	15.684	1.623	2268.963	0.06%	98.79%
72.0	15.757	1.635	2270.597	0.06%	98.86%
73.0	15.874	1.654	2272.252	0.06%	98.93%
74.0	15.933	1.672	2273.924	0.06%	99.00%
75.0	15.962	1.685	2275.609	0.06%	99.07%

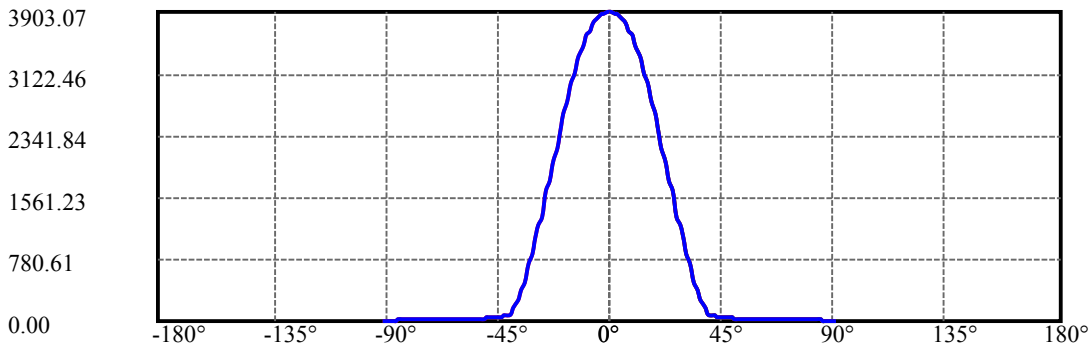
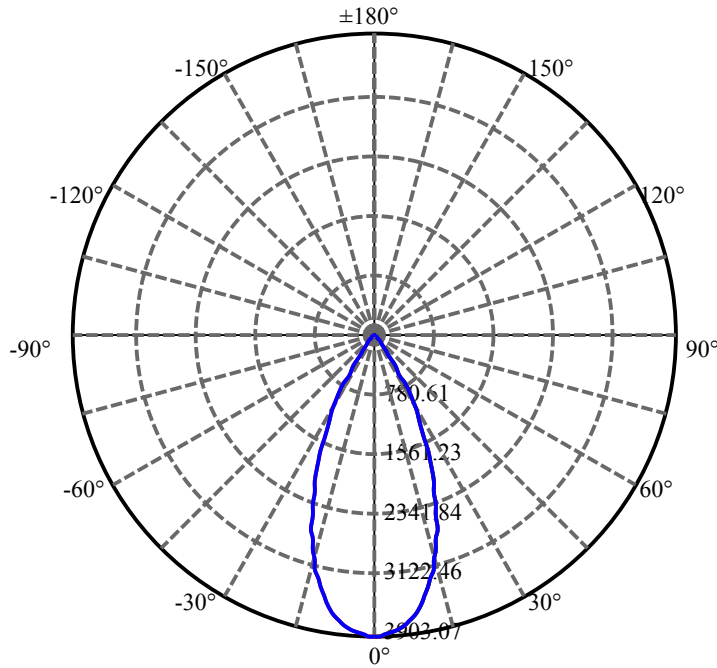
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.896	1.691	2277.3	0.06%	99.15%
77.0	15.794	1.690	2278.99	0.06%	99.22%
78.0	15.633	1.682	2280.672	0.06%	99.30%
79.0	15.457	1.670	2282.342	0.06%	99.37%
80.0	15.157	1.651	2283.993	0.06%	99.44%
81.0	14.645	1.612	2285.605	0.06%	99.51%
82.0	13.906	1.548	2287.153	0.06%	99.58%
83.0	13.072	1.467	2288.619	0.05%	99.64%
84.0	12.121	1.373	2289.992	0.05%	99.70%
85.0	11.229	1.274	2291.266	0.05%	99.76%
86.0	10.578	1.192	2292.458	0.04%	99.81%
87.0	10.198	1.137	2293.595	0.04%	99.86%
88.0	9.971	1.105	2294.7	0.04%	99.91%
89.0	9.810	1.084	2295.784	0.04%	99.95%
90.0	9.803	1.075	2296.86	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1919.56	71.49%	83.57%
0-40	2184.50	81.36%	95.11%
0-60	2248.82	83.76%	97.91%
0-90	2295.78	85.50%	99.95%
0-120	2295.78	85.50%	99.95%
0-180	2296.86	85.54%	100.00%
60-90	46.96	1.75%	2.04%
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%
0-28.58	1837.49	68.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	354.79
10-20	828.33
20-30	736.44
30-40	264.94
40-50	38.56
50-60	25.76
60-70	18.52
70-80	16.65
80-90	11.79
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: —————

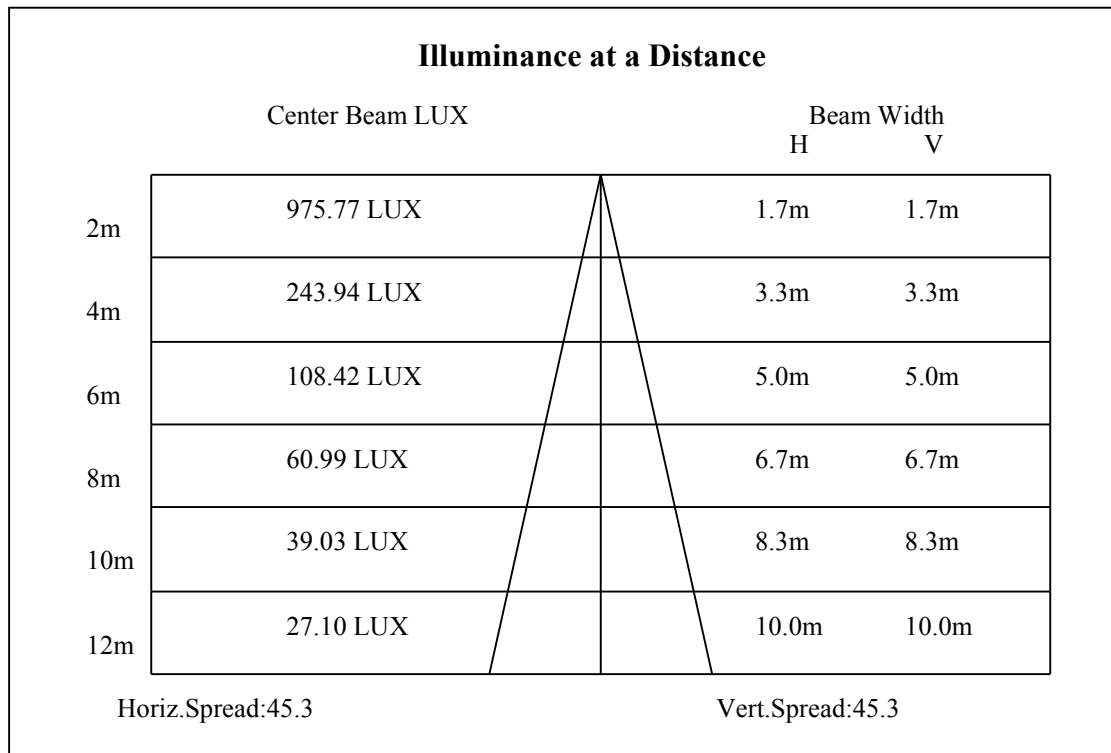
C90/C270: —————

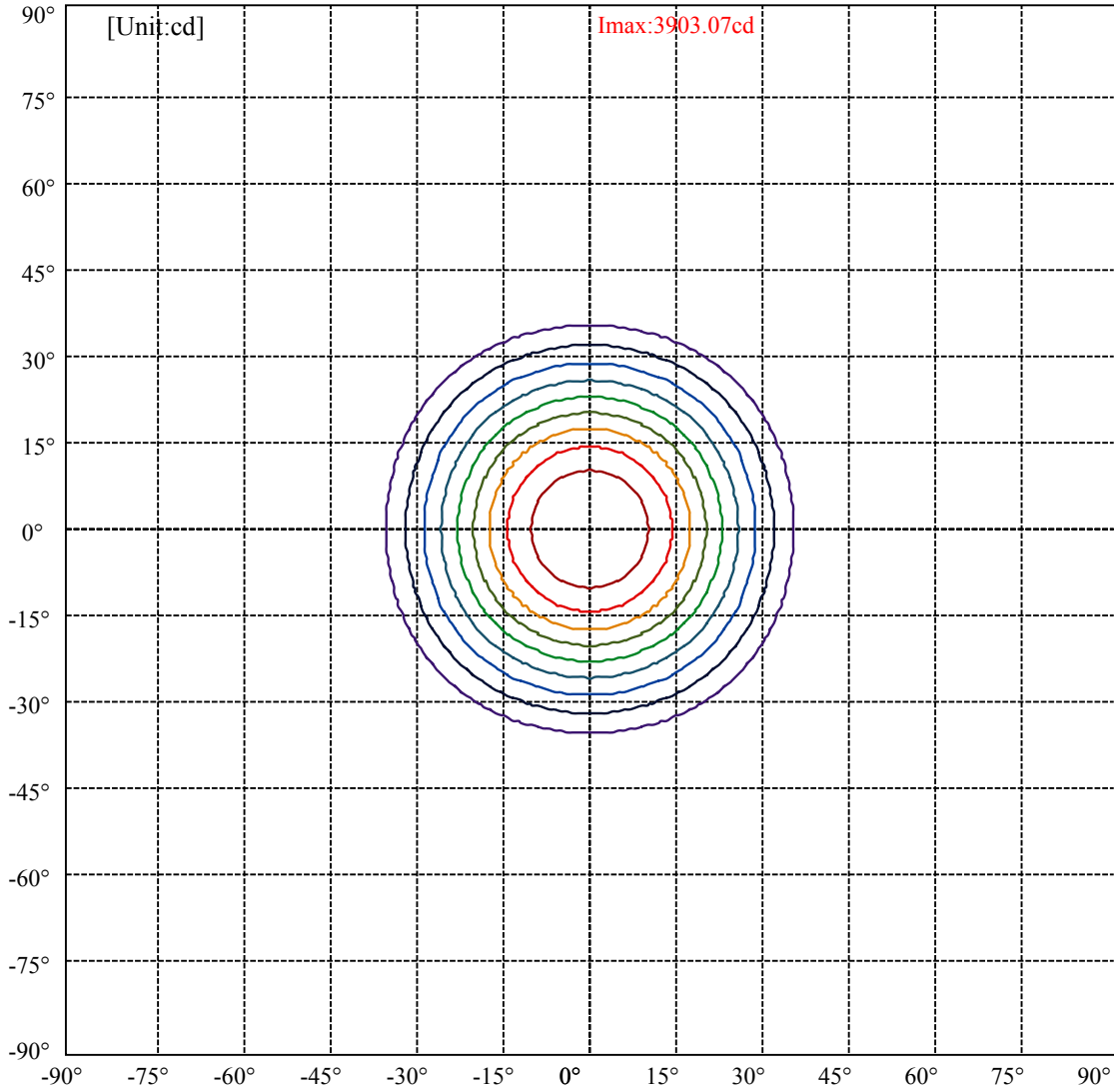
Field angle(10%Imax):C0/180Left:35.0 Right:35.0

:C90/270Left:35.0 Right:35.0

Beam Angle(50%Imax):C0/180Left:22.7 Right:22.7

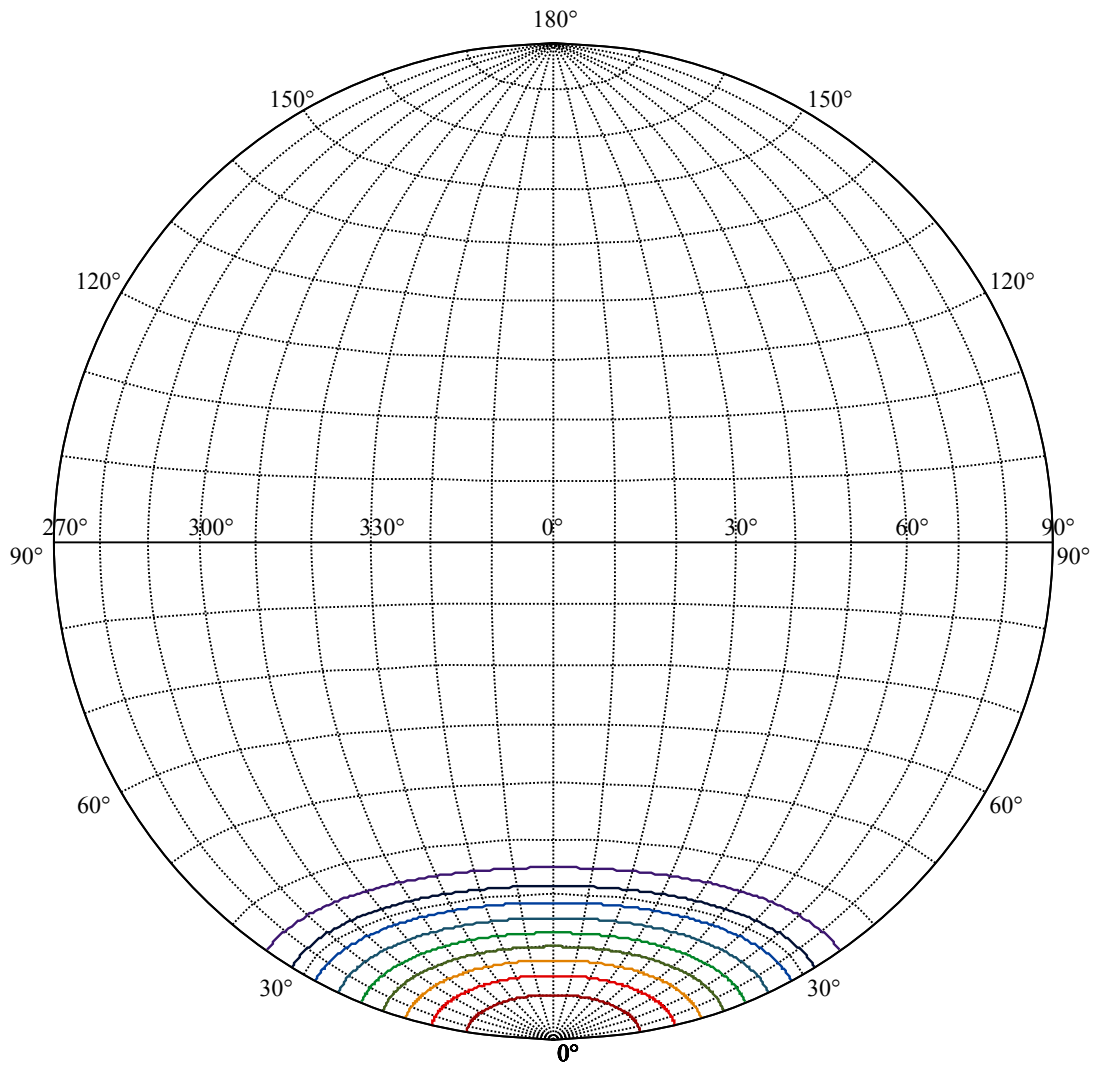
:C90/270Left:22.7 Right:22.7





(10%Imax) 390.307	—
(20%Imax) 780.614	—
(30%Imax) 1170.92	—
(40%Imax) 1561.23	—
(50%Imax) 1951.54	—
(60%Imax) 2341.84	—
(70%Imax) 2732.15	—
(80%Imax) 3122.46	—
(90%Imax) 3512.76	—





House

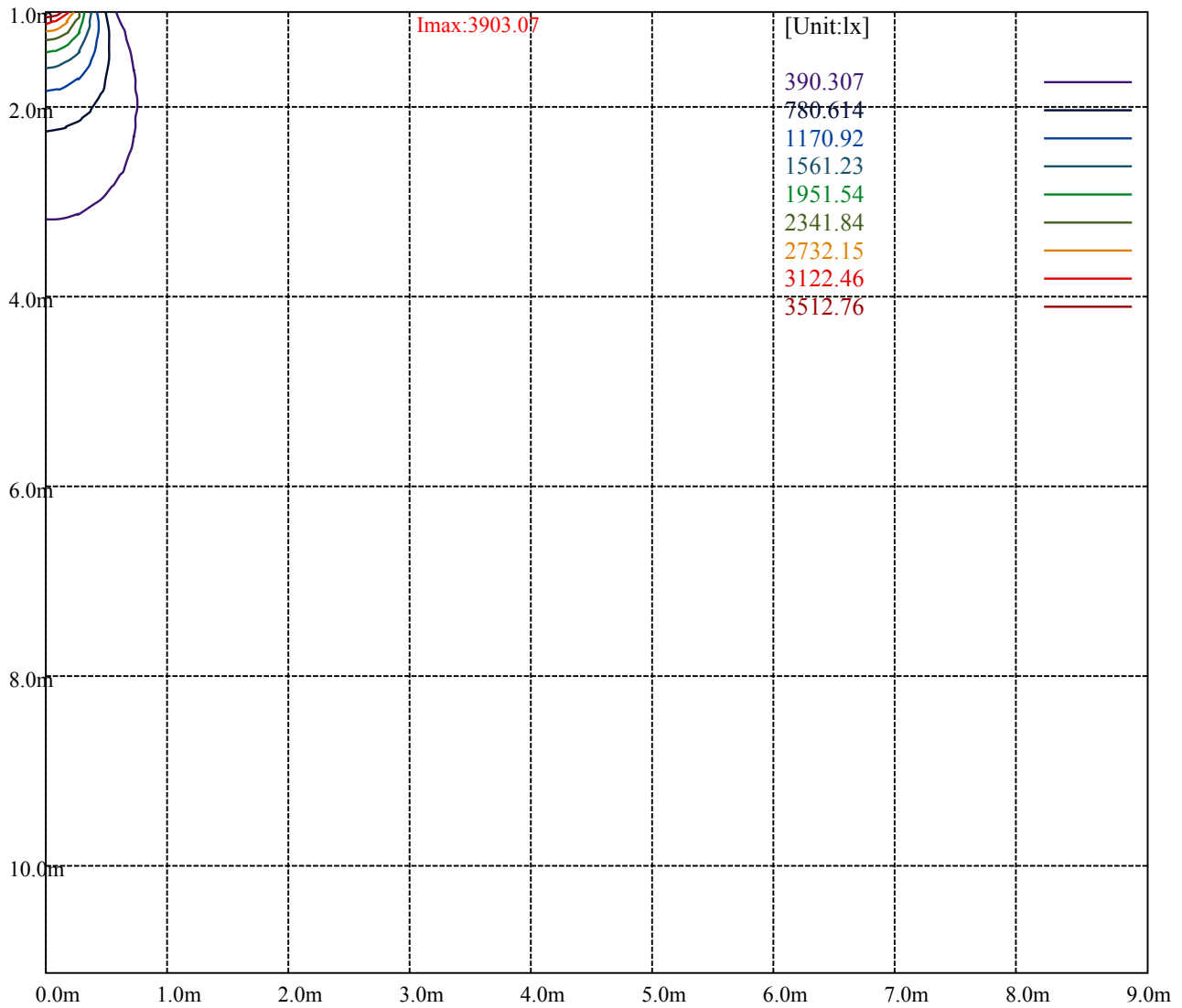
[Unit:cd]

Road

Imax:3903.07

(10%Imax)	390.307	—
(20%Imax)	780.614	—
(30%Imax)	1170.92	—
(40%Imax)	1561.23	—
(50%Imax)	1951.54	—
(60%Imax)	2341.84	—
(70%Imax)	2732.15	—
(80%Imax)	3122.46	—
(90%Imax)	3512.76	—





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

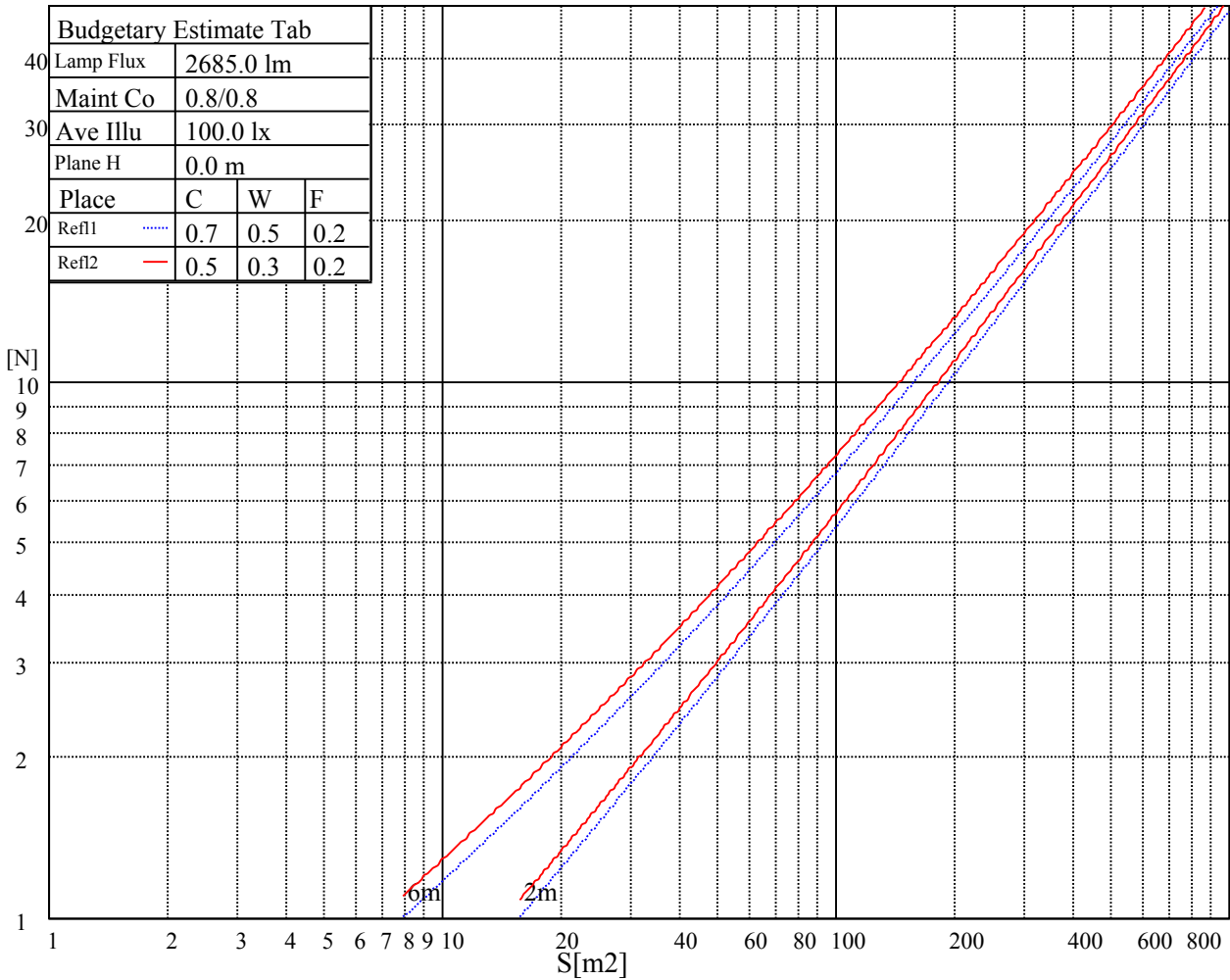
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

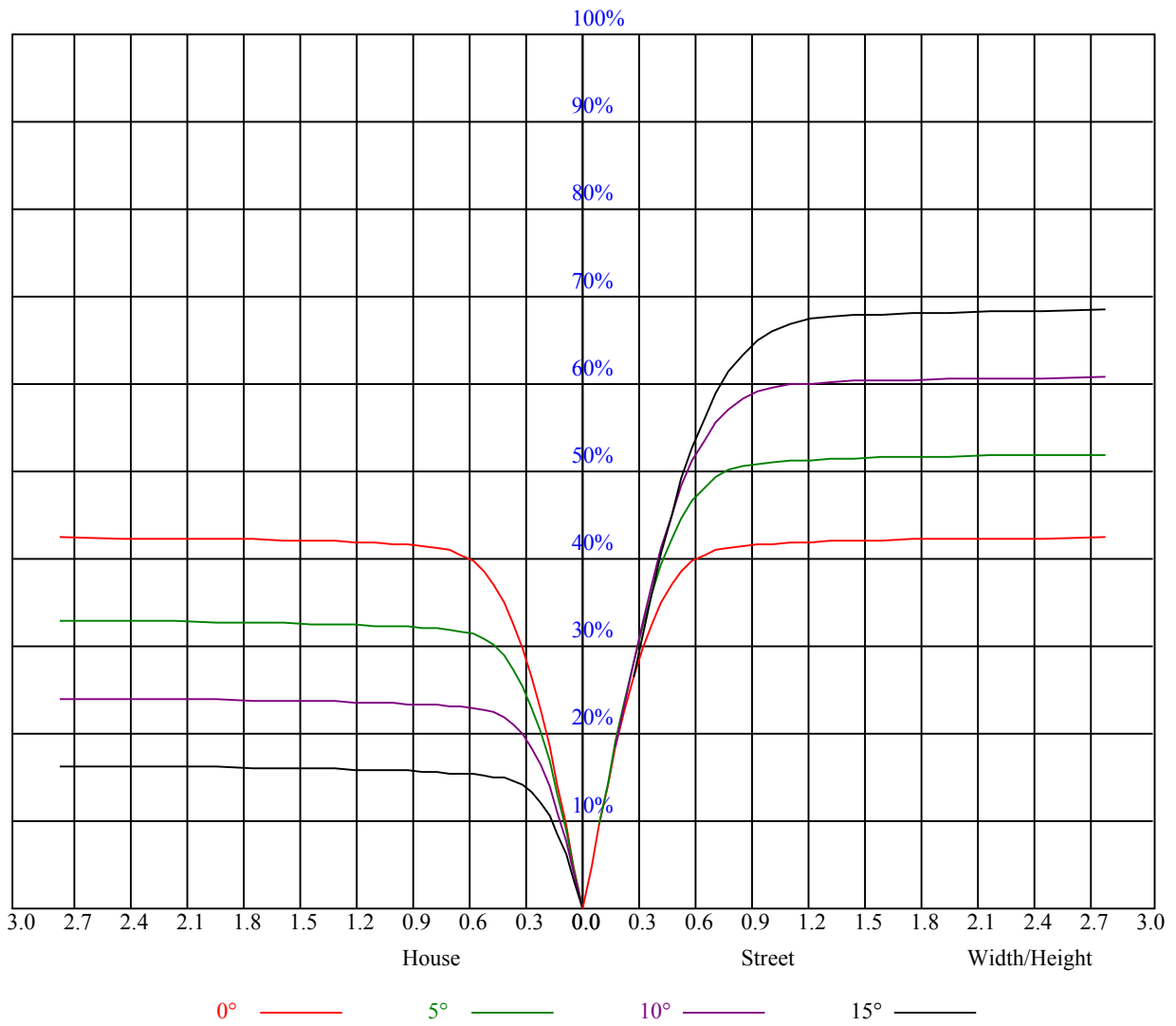


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

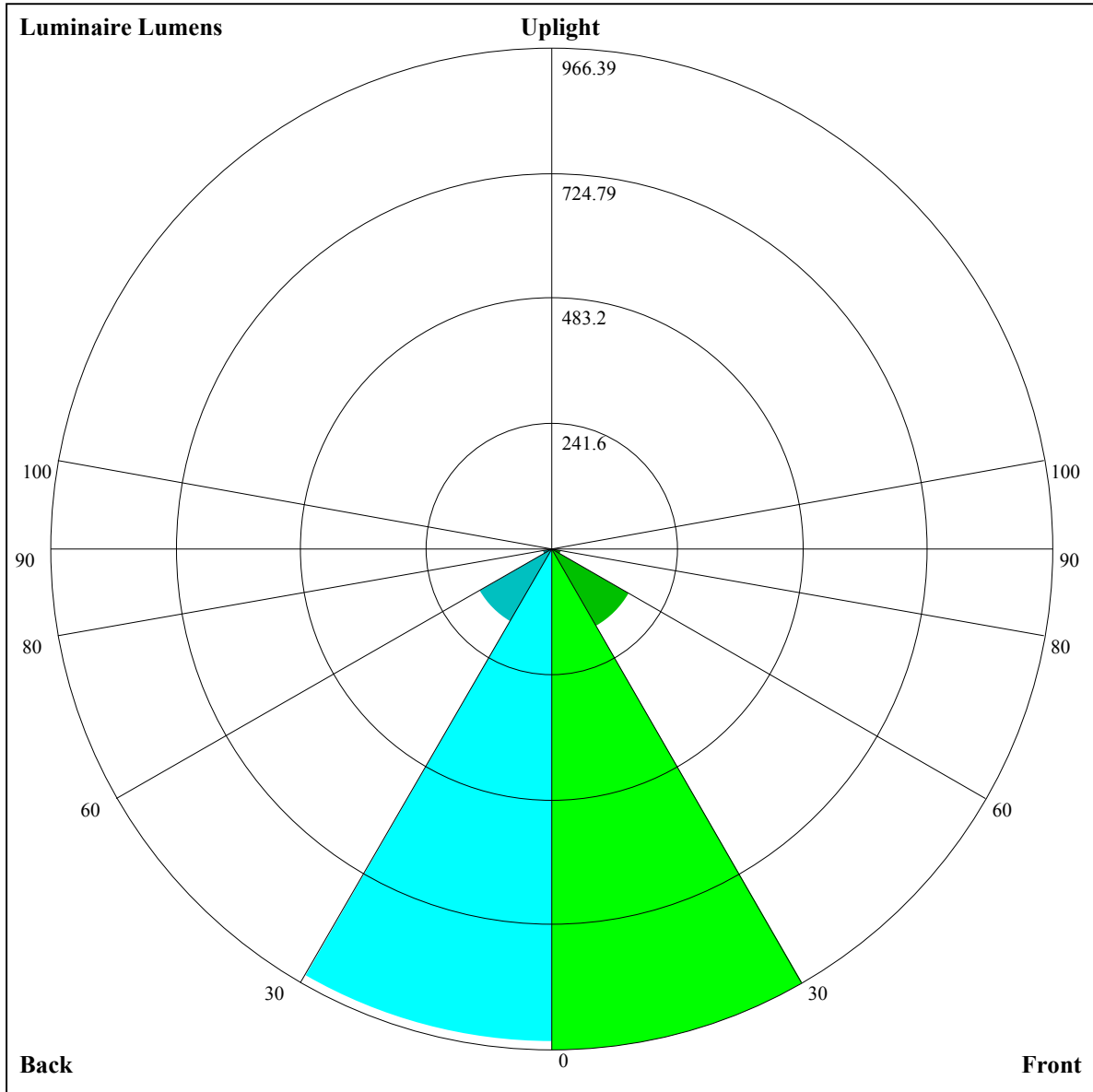
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.72	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.57	0.53	0.51	0.56	0.53	0.50	0.49







Luminaire Lumens:

FL=966.39,FM=172.41,FH=17.87,FVH=6.54

BL=949.5,BM=160.66,BH=17.33,BVH=6.34

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	3907.02	3907.61	3896.49	3873.08	3850.25	3809.87	3774.76	3729.11	3674.10
45.0	3901.17	3904.09	3903.51	3892.98	3868.40	3842.06	3810.46	3775.93	3722.67
90.0	3905.26	3895.32	3876.59	3857.28	3831.53	3795.83	3744.91	3698.10	3646.01
135.0	3898.83	3893.56	3884.78	3862.54	3845.57	3817.48	3785.29	3734.96	3684.64
180.0	3907.02	3900.00	3884.20	3868.40	3844.40	3816.90	3783.54	3739.65	3671.17
225.0	3901.17	3883.61	3868.98	3847.91	3823.92	3782.37	3739.06	3670.00	3604.46
270.0	3905.26	3907.61	3901.75	3883.03	3864.88	3830.94	3795.83	3750.18	3681.12
315.0	3898.83	3895.32	3881.86	3857.86	3831.53	3797.58	3744.33	3692.83	3631.38
360.0	3907.02	3907.61	3896.49	3873.08	3850.25	3809.87	3774.76	3729.11	3674.10
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3598.02	3524.28	3441.18	3353.98	3237.52	3141.55	3042.06	2933.79	2785.73
45.0	3671.76	3599.78	3530.14	3449.37	3345.20	3252.15	3154.42	3028.01	2915.06
90.0	3586.32	3498.53	3420.70	3310.09	3216.46	3115.21	2981.78	2863.56	2737.16
135.0	3631.96	3569.35	3478.05	3394.95	3302.48	3206.51	3071.90	2958.37	2805.63
180.0	3612.65	3535.99	3452.89	3342.28	3242.79	3135.69	2993.48	2871.76	2720.18
225.0	3524.87	3418.94	3325.89	3233.43	3128.67	2989.39	2874.10	2748.28	2616.60
270.0	3622.60	3545.35	3462.83	3359.25	3266.20	3163.78	3056.69	2917.41	2799.19
315.0	3559.98	3459.91	3378.56	3287.27	3195.39	3073.07	2967.73	2854.20	2697.95
360.0	3598.02	3524.28	3441.18	3353.98	3237.52	3141.55	3042.06	2933.79	2785.73
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2662.25	2494.87	2360.27	2221.57	2043.66	1912.57	1788.51	1667.36	1522.23
45.0	2796.26	2672.20	2541.11	2376.07	2239.13	2102.19	1938.32	1813.09	1689.60
90.0	2607.24	2441.03	2302.33	2163.64	2031.37	1870.44	1746.96	1628.74	1483.02
135.0	2678.05	2548.13	2382.51	2246.15	2113.31	1984.56	1826.55	1704.23	1583.68
180.0	2583.24	2438.11	2301.75	2128.52	1999.19	1871.61	1746.37	1590.11	1482.43
225.0	2448.05	2309.94	2166.56	1995.09	1864.00	1738.18	1586.60	1470.73	1167.17
270.0	2675.71	2500.72	2362.03	2228.01	2057.71	1917.26	1761.00	1639.86	1521.06
315.0	2566.27	2432.25	2261.37	2122.08	1985.73	1828.89	1705.99	1589.53	1470.14
360.0	2662.25	2494.87	2360.27	2221.57	2043.66	1912.57	1788.51	1667.36	1522.23
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1310.38	1149.62	1149.62	995.29	875.32	760.73	620.69	510.61	409.60
45.0	1538.03	1415.13	1260.05	1133.05	1008.99	891.94	747.98	635.61	526.18
90.0	1145.46	1145.46	1083.37	960.94	844.77	695.95	582.01	475.03	354.70
135.0	1466.63	1313.89	1189.82	1066.92	911.25	789.53	671.90	532.61	430.20
180.0	1358.37	1245.42	1093.84	962.75	811.77	692.38	580.02	449.51	356.46
225.0	1167.17	1070.79	943.50	794.21	676.81	569.54	467.36	349.91	267.45
270.0	1405.77	1251.85	1128.37	1004.89	881.41	763.19	619.81	512.13	412.06
315.0	1160.44	1160.44	1065.11	939.58	795.38	681.14	573.46	444.95	351.60
360.0	1310.38	1149.62	1149.62	995.29	875.32	760.73	620.69	510.61	409.60
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	293.72	215.48	152.10	99.37	79.94	70.23	61.62	56.65	52.32
45.0	424.93	310.23	310.23	212.61	109.32	81.81	72.10	62.91	57.94
90.0	269.85	197.92	139.87	92.41	76.90	68.18	61.74	55.65	51.62
135.0	335.98	314.32	214.78	106.69	76.66	68.24	61.80	57.24	51.38
180.0	312.57	312.57	124.30	89.48	73.27	65.55	58.58	53.67	49.86
225.0	193.65	133.37	88.25	73.04	65.14	58.35	53.72	48.87	46.06
270.0	299.11	299.11	140.16	98.55	76.78	65.43	59.46	55.01	50.56
315.0	246.79	176.62	123.01	89.31	70.87	62.97	57.59	53.20	48.52
360.0	293.72	215.48	152.10	99.37	79.94	70.23	61.62	56.65	52.32

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	48.87	45.06	42.55	40.44	38.51	36.23	34.59	32.71	31.31
45.0	53.67	49.16	46.17	43.66	41.38	38.80	36.93	35.23	33.65
90.0	47.34	44.48	42.02	39.50	37.57	35.82	34.18	32.25	30.90
135.0	48.16	45.35	42.25	40.26	38.39	36.11	34.47	33.01	31.25
180.0	46.06	43.37	41.08	38.68	36.81	34.65	33.12	31.72	30.37
225.0	43.48	41.26	38.86	37.04	35.29	33.65	31.84	30.55	29.38
270.0	46.64	44.07	41.73	39.74	37.92	35.64	34.00	32.19	30.84
315.0	45.59	43.01	40.79	38.39	36.58	34.53	33.07	31.60	30.02
360.0	48.87	45.06	42.55	40.44	38.51	36.23	34.59	32.71	31.31
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.08	28.79	27.80	26.92	25.93	24.76	23.82	22.88	21.89
45.0	31.89	30.61	29.44	28.09	27.04	25.75	24.81	23.88	22.88
90.0	29.67	28.38	27.39	26.39	25.34	24.11	23.17	22.18	20.89
135.0	29.96	28.91	27.86	26.63	25.57	24.58	23.70	22.47	21.42
180.0	28.91	27.86	26.86	25.87	24.64	23.70	22.71	21.71	20.42
225.0	28.03	27.10	26.10	24.81	23.88	22.82	21.54	20.54	19.66
270.0	29.67	28.38	27.39	26.45	25.22	24.23	23.29	22.30	21.01
315.0	28.91	27.97	26.80	25.93	24.93	23.99	22.82	21.83	20.83
360.0	30.08	28.79	27.80	26.92	25.93	24.76	23.82	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	20.72	19.90	19.02	18.08	17.50	16.80	16.21	16.04	15.98
45.0	21.54	20.66	19.78	18.90	17.91	17.38	16.85	16.21	15.80
90.0	20.01	18.96	18.20	17.50	16.85	16.33	15.80	15.68	15.68
135.0	20.48	19.37	18.55	17.62	17.03	16.39	15.74	15.45	15.39
180.0	19.43	18.32	17.56	16.97	16.27	15.74	15.45	15.33	15.39
225.0	18.73	17.73	17.15	16.62	15.98	15.63	15.51	15.57	15.63
270.0	20.01	19.14	18.26	17.50	16.91	16.33	15.74	15.63	15.68
315.0	19.90	18.84	18.08	17.32	16.80	16.15	15.86	15.80	15.92
360.0	20.72	19.90	19.02	18.08	17.50	16.80	16.21	16.04	15.98
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.15	16.27	16.33	16.44	16.39	16.27	16.09	15.98	15.74
45.0	15.74	15.86	15.98	16.15	16.27	16.27	16.27	16.21	16.04
90.0	15.74	15.92	15.98	16.04	16.04	15.98	15.80	15.51	15.16
135.0	15.45	15.57	15.63	15.63	15.57	15.51	15.39	15.22	14.92
180.0	15.45	15.51	15.57	15.57	15.45	15.33	15.10	14.86	14.51
225.0	15.68	15.74	15.74	15.68	15.51	15.27	15.04	14.81	14.40
270.0	15.80	15.92	15.98	15.98	15.86	15.74	15.57	15.45	15.22
315.0	16.04	16.21	16.27	16.21	16.09	15.98	15.80	15.63	15.27
360.0	16.15	16.27	16.33	16.44	16.39	16.27	16.09	15.98	15.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.27	14.51	13.69	12.52	11.65	10.65	10.24	10.07	9.83
45.0	15.63	15.04	14.46	13.64	12.29	11.35	10.59	10.18	9.95
90.0	14.46	13.93	13.17	12.11	11.18	10.53	10.12	9.95	9.77
135.0	14.57	13.75	13.17	12.35	11.41	10.71	10.30	10.07	9.83
180.0	13.87	13.46	12.35	11.59	10.94	10.48	10.18	9.83	9.77
225.0	13.87	12.70	11.88	11.00	10.42	10.18	9.89	9.77	9.77
270.0	14.81	14.10	13.17	12.00	11.06	10.42	10.18	9.95	9.77
315.0	14.69	13.75	12.70	11.76	10.89	10.30	10.07	9.95	9.77
360.0	15.27	14.51	13.69	12.52	11.65	10.65	10.24	10.07	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.83
90.0	9.77
135.0	9.83
180.0	9.89
225.0	9.83
270.0	9.77
315.0	9.71
360.0	9.77