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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.429.00

Report No: 2024410-B013

Ballast type: AC

Test No: 2024410-C013

Voltage(V): 34.790

LampCAT: CREE CXA1830 LES14

Current(A): 0.530

Lamp flux(lm): 2713.0

Power (W): 18.438

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2307.53, Efficiency(%): 85.05% , Luminous Efficacy(lm/W): 125.15

Central intensity(cd): 7751.656, Maximum intensity(cd): 7751.656

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

Beam Angle(50%Imax): [C0/180]Total=23.6

[C90/270]Total=23.6

Field angle(10%Imax): [C0/180]Total=60.6

[C90/270]Total=60.6

Maximum s/h(1/2): C0\_180=0.39 C90\_270=0.39

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(%): 85.05%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.895%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/10  
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	7751.656	0.000	0	0.00%	0.00%
1.0	7665.628	7.377	7.377	0.27%	0.32%
2.0	7468.407	21.722	29.099	0.80%	1.26%
3.0	7161.676	34.990	64.089	1.29%	2.78%
4.0	6804.689	46.750	110.839	1.72%	4.80%
5.0	6432.998	56.948	167.787	2.10%	7.27%
6.0	6018.000	65.433	233.22	2.41%	10.11%
7.0	5637.824	72.348	305.568	2.67%	13.24%
8.0	5250.917	77.929	383.496	2.87%	16.62%
9.0	4876.300	82.076	465.572	3.03%	20.18%
10.0	4498.390	84.838	550.409	3.13%	23.85%
11.0	4142.647	86.342	636.751	3.18%	27.59%
12.0	3810.239	86.936	723.687	3.20%	31.36%
13.0	3494.144	86.685	810.372	3.20%	35.12%
14.0	3188.218	85.534	895.906	3.15%	38.83%
15.0	2924.282	83.915	979.821	3.09%	42.46%
16.0	2675.488	82.052	1061.873	3.02%	46.02%
17.0	2447.250	79.775	1141.648	2.94%	49.47%
18.0	2258.515	77.588	1219.236	2.86%	52.84%
19.0	2080.826	75.496	1294.731	2.78%	56.11%
20.0	1923.181	73.284	1368.016	2.70%	59.28%
21.0	1782.581	71.158	1439.174	2.62%	62.37%
22.0	1647.028	68.919	1508.094	2.54%	65.36%
23.0	1535.469	66.777	1574.871	2.46%	68.25%
24.0	1412.821	64.460	1639.331	2.38%	71.04%
25.0	1297.473	61.626	1700.957	2.27%	73.71%
26.0	1211.116	59.216	1760.173	2.18%	76.28%
27.0	1135.044	57.399	1817.572	2.12%	78.77%
28.0	1033.741	54.909	1872.481	2.02%	81.15%
29.0	924.239	51.226	1923.707	1.89%	83.37%
30.0	810.017	46.825	1970.532	1.73%	85.40%
31.0	696.454	41.923	2012.455	1.55%	87.21%
32.0	593.338	36.951	2049.406	1.36%	88.81%
33.0	494.018	32.034	2081.44	1.18%	90.20%
34.0	404.032	27.178	2108.617	1.00%	91.38%
35.0	322.108	22.551	2131.169	0.83%	92.36%
36.0	267.865	18.785	2149.954	0.69%	93.17%
37.0	197.411	15.175	2165.128	0.56%	93.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	147.528	11.514	2176.642	0.42%	94.33%
39.0	101.010	8.483	2185.125	0.31%	94.70%
40.0	84.141	6.457	2191.583	0.24%	94.98%
41.0	73.446	5.612	2197.194	0.21%	95.22%
42.0	66.438	5.082	2202.276	0.19%	95.44%
43.0	60.651	4.708	2206.984	0.17%	95.64%
44.0	55.706	4.392	2211.376	0.16%	95.83%
45.0	51.156	4.107	2215.483	0.15%	96.01%
46.0	47.389	3.854	2219.336	0.14%	96.18%
47.0	43.936	3.632	2222.969	0.13%	96.34%
48.0	40.724	3.422	2226.391	0.13%	96.48%
49.0	38.010	3.233	2229.624	0.12%	96.62%
50.0	35.479	3.064	2232.688	0.11%	96.76%
51.0	33.490	2.918	2235.606	0.11%	96.88%
52.0	31.705	2.798	2238.404	0.10%	97.00%
53.0	30.285	2.697	2241.1	0.10%	97.12%
54.0	29.056	2.616	2243.716	0.10%	97.23%
55.0	28.215	2.557	2246.272	0.09%	97.35%
56.0	27.579	2.521	2248.794	0.09%	97.45%
57.0	27.315	2.510	2251.303	0.09%	97.56%
58.0	27.235	2.523	2253.826	0.09%	97.67%
59.0	27.308	2.550	2256.376	0.09%	97.78%
60.0	27.410	2.585	2258.961	0.10%	97.90%
61.0	27.213	2.607	2261.568	0.10%	98.01%
62.0	26.642	2.595	2264.163	0.10%	98.12%
63.0	25.574	2.540	2266.702	0.09%	98.23%
64.0	24.009	2.433	2269.135	0.09%	98.34%
65.0	22.282	2.291	2271.426	0.08%	98.44%
66.0	20.410	2.130	2273.556	0.08%	98.53%
67.0	18.749	1.969	2275.525	0.07%	98.61%
68.0	17.520	1.837	2277.363	0.07%	98.69%
69.0	16.598	1.741	2279.103	0.06%	98.77%
70.0	15.889	1.668	2280.772	0.06%	98.84%
71.0	15.384	1.616	2282.388	0.06%	98.91%
72.0	14.945	1.577	2283.965	0.06%	98.98%
73.0	14.660	1.548	2285.513	0.06%	99.05%
74.0	14.514	1.534	2287.047	0.06%	99.11%
75.0	14.462	1.531	2288.578	0.06%	99.18%

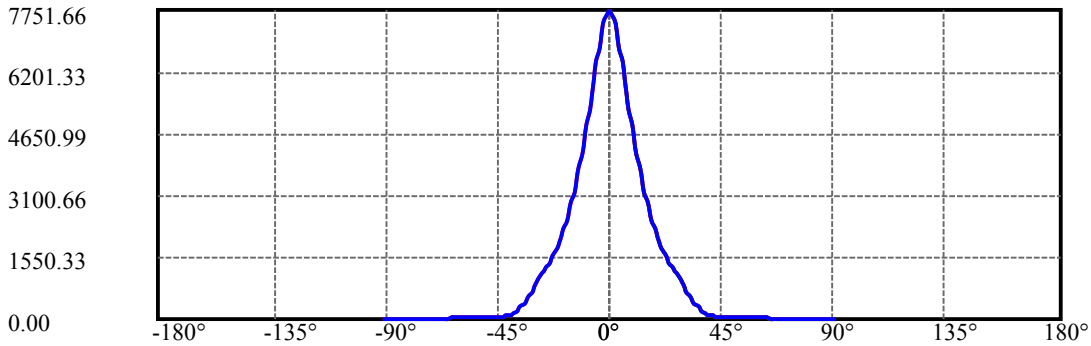
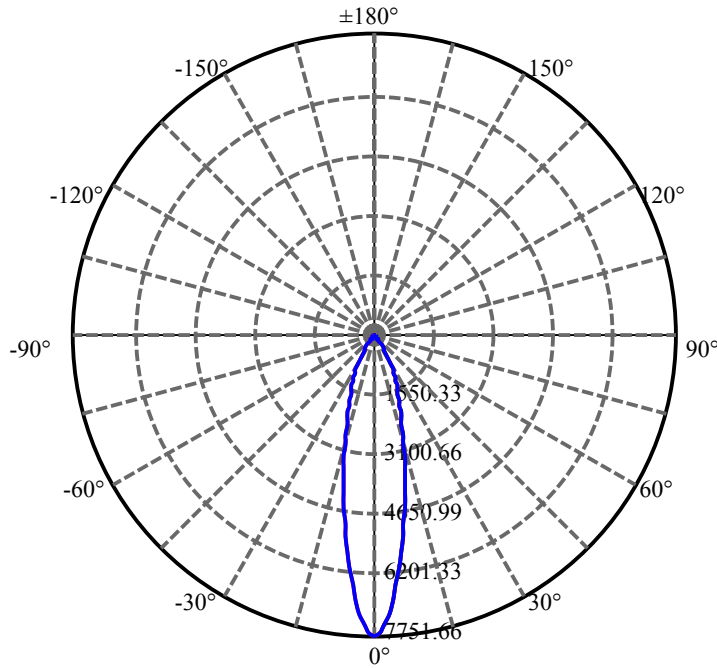
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.148	1.519	2290.097	0.06%	99.24%
77.0	13.694	1.484	2291.581	0.05%	99.31%
78.0	13.255	1.443	2293.024	0.05%	99.37%
79.0	12.729	1.396	2294.42	0.05%	99.43%
80.0	12.326	1.351	2295.771	0.05%	99.49%
81.0	11.931	1.312	2297.083	0.05%	99.55%
82.0	11.566	1.274	2298.357	0.05%	99.60%
83.0	11.229	1.239	2299.596	0.05%	99.66%
84.0	10.966	1.209	2300.805	0.04%	99.71%
85.0	10.651	1.180	2301.985	0.04%	99.76%
86.0	10.373	1.149	2303.134	0.04%	99.81%
87.0	10.168	1.124	2304.258	0.04%	99.86%
88.0	10.007	1.105	2305.363	0.04%	99.91%
89.0	9.883	1.090	2306.454	0.04%	99.95%
90.0	9.824	1.081	2307.534	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1970.53	72.63%	85.40%
0-40	2191.58	80.78%	94.98%
0-60	2258.96	83.26%	97.90%
0-90	2306.45	85.01%	99.95%
0-120	2306.45	85.01%	99.95%
0-180	2307.53	85.05%	100.00%
60-90	47.49	1.75%	2.06%
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%
0-27.52	1846.03	68.04%	80.00%

ZONAL LUMEN SUMMARY

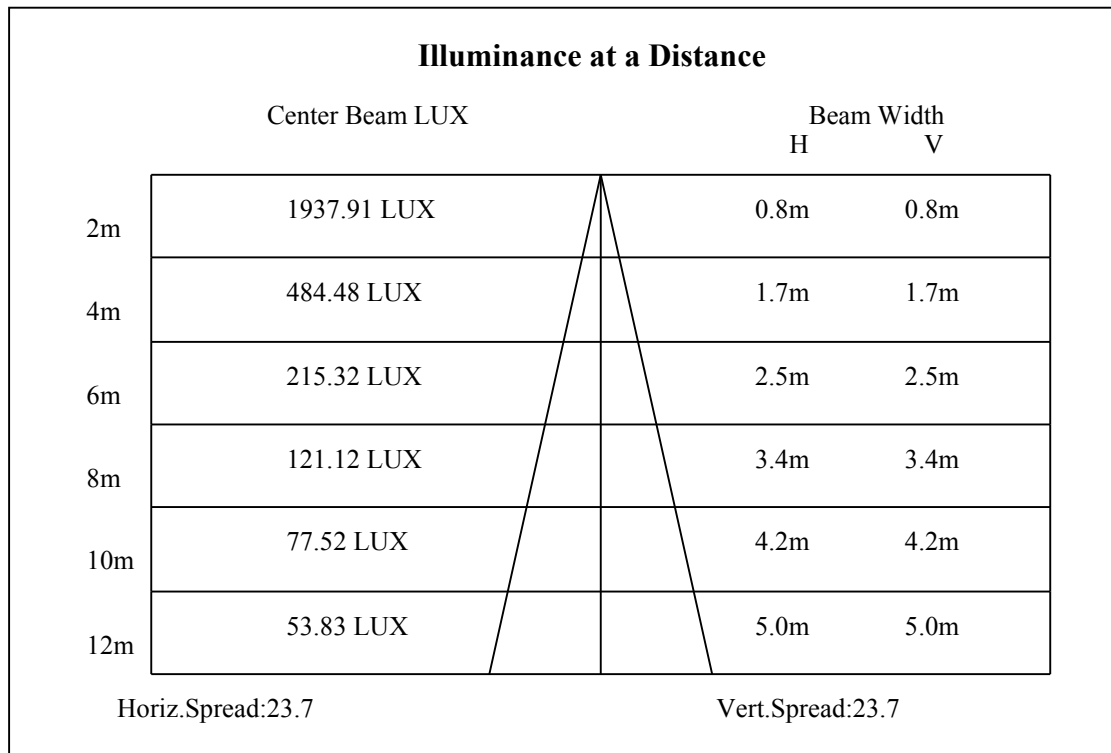
0-10	550.41
10-20	817.61
20-30	602.52
30-40	221.05
40-50	41.11
50-60	26.27
60-70	21.81
70-80	15.00
80-90	10.68
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

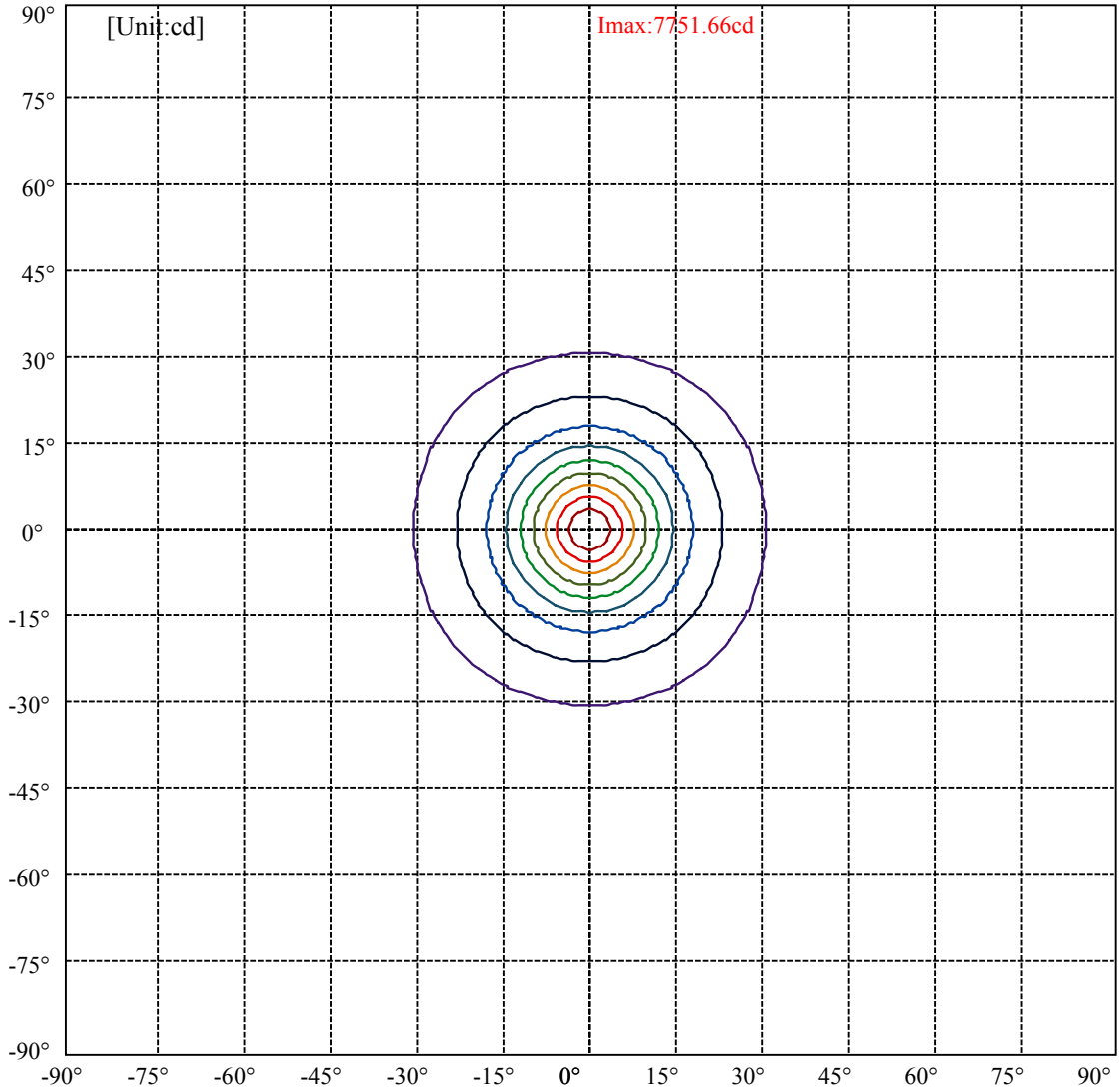


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:30.3 Right:30.3  
:C90/270Left:30.3 Right:30.3

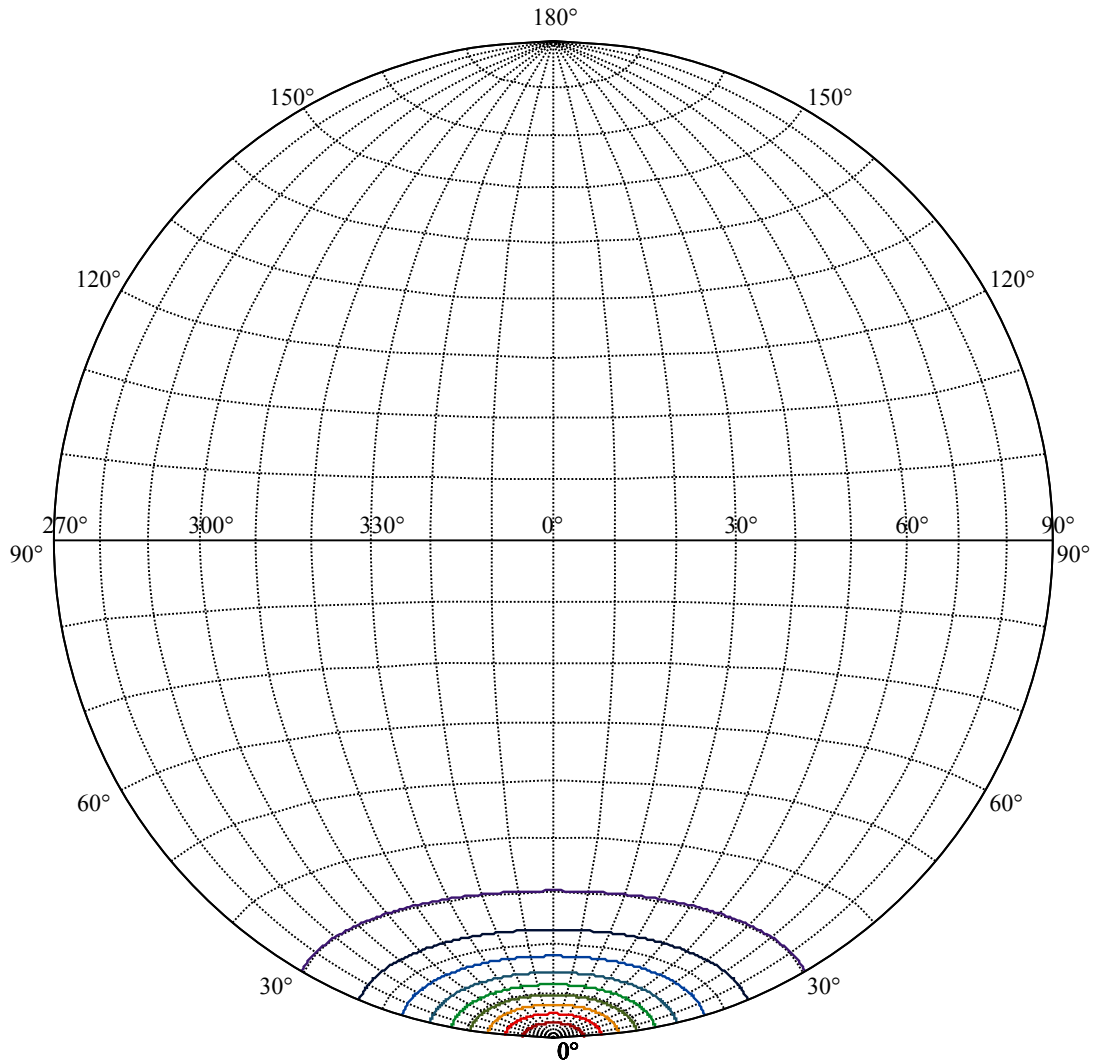
Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8  
:C90/270Left:11.8 Right:11.8





(10%Imax) 775.166	—
(20%Imax) 1550.33	—
(30%Imax) 2325.5	—
(40%Imax) 3100.66	—
(50%Imax) 3875.83	—
(60%Imax) 4650.99	—
(70%Imax) 5426.16	—
(80%Imax) 6201.33	—
(90%Imax) 6976.49	—





House

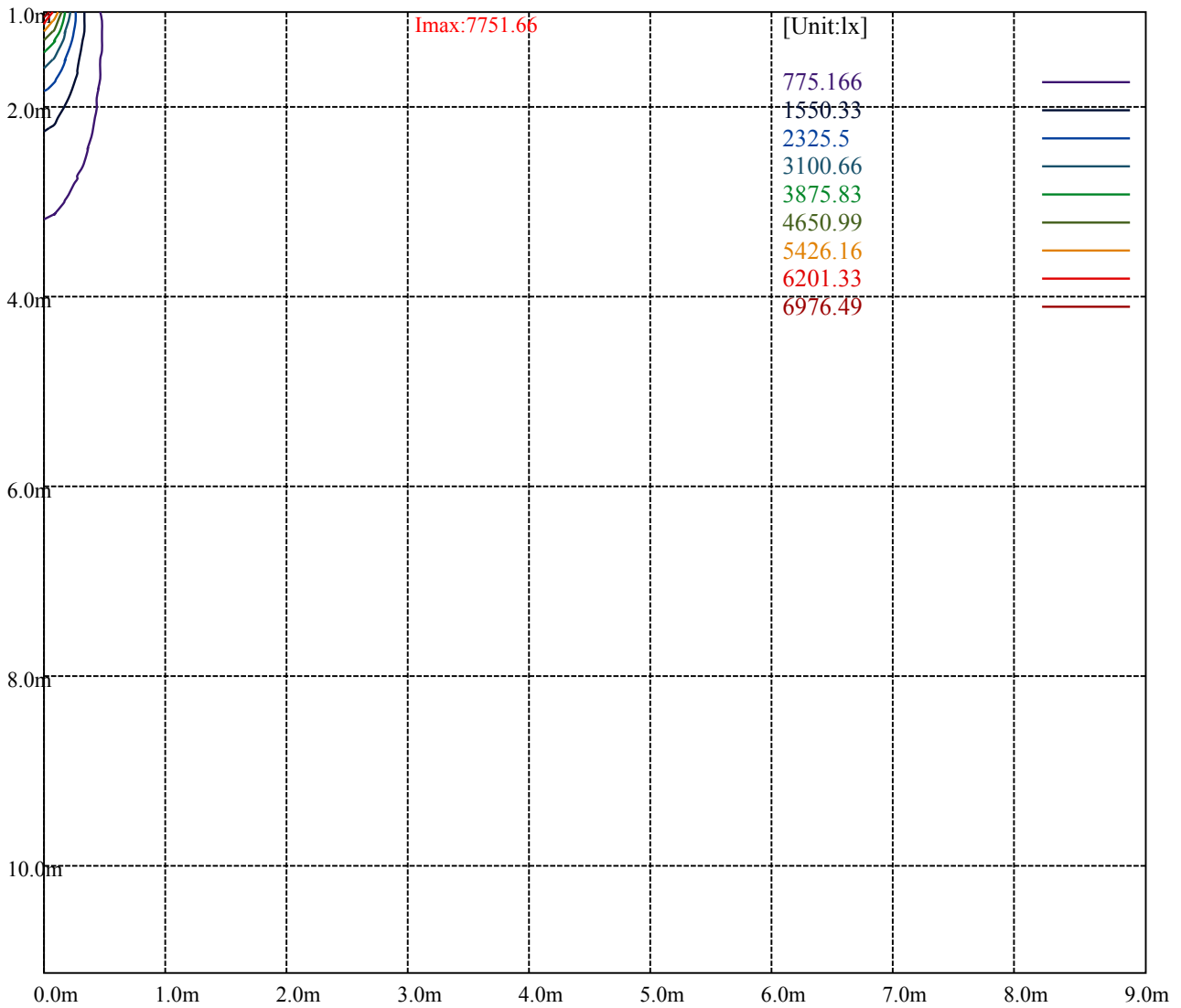
[Unit:cd]

Road

**Imax:7751.66**

(10%Imax) 775.166	—
(20%Imax) 1550.33	—
(30%Imax) 2325.5	—
(40%Imax) 3100.66	—
(50%Imax) 3875.83	—
(60%Imax) 4650.99	—
(70%Imax) 5426.16	—
(80%Imax) 6201.33	—
(90%Imax) 6976.49	—





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

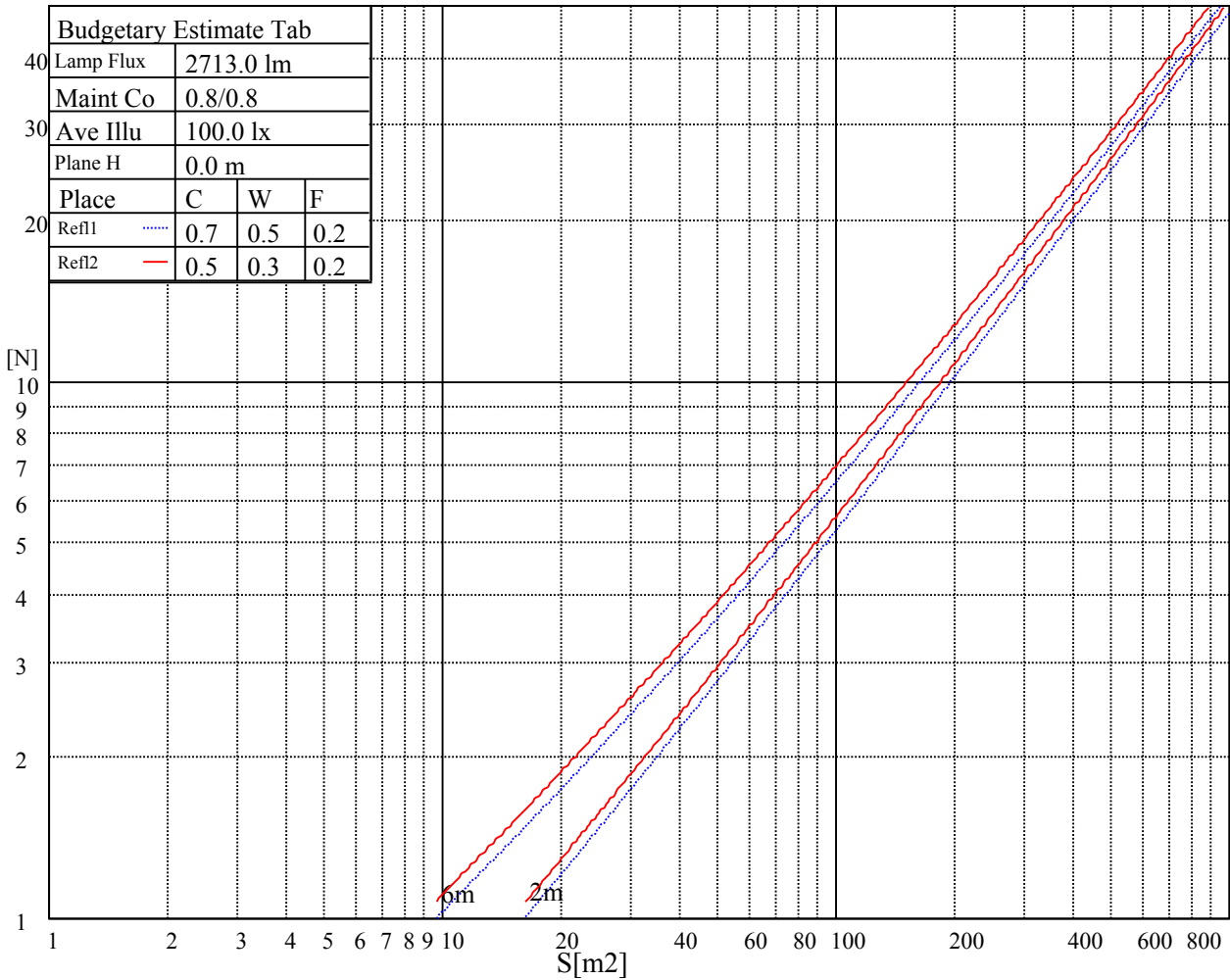
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

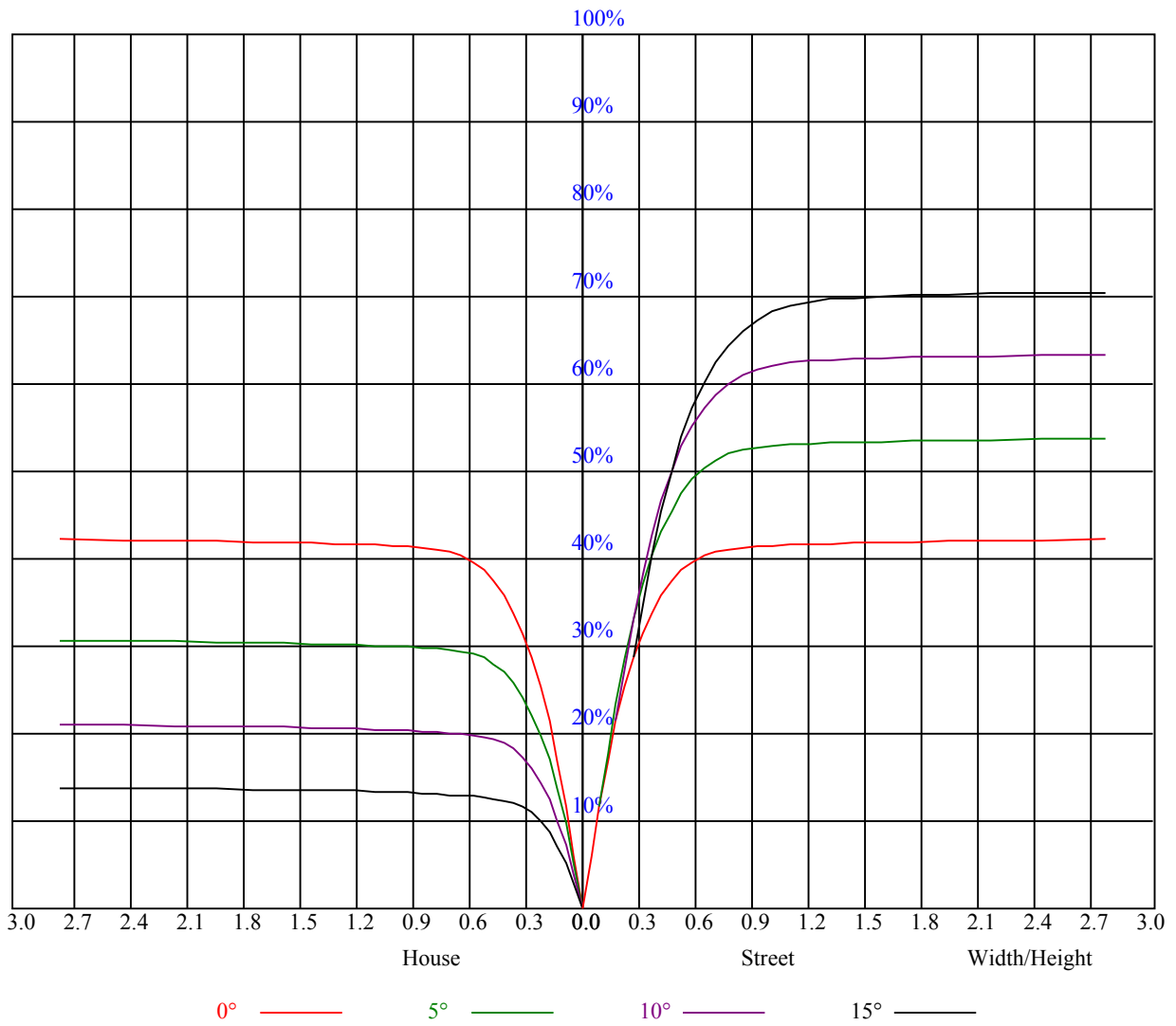


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数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

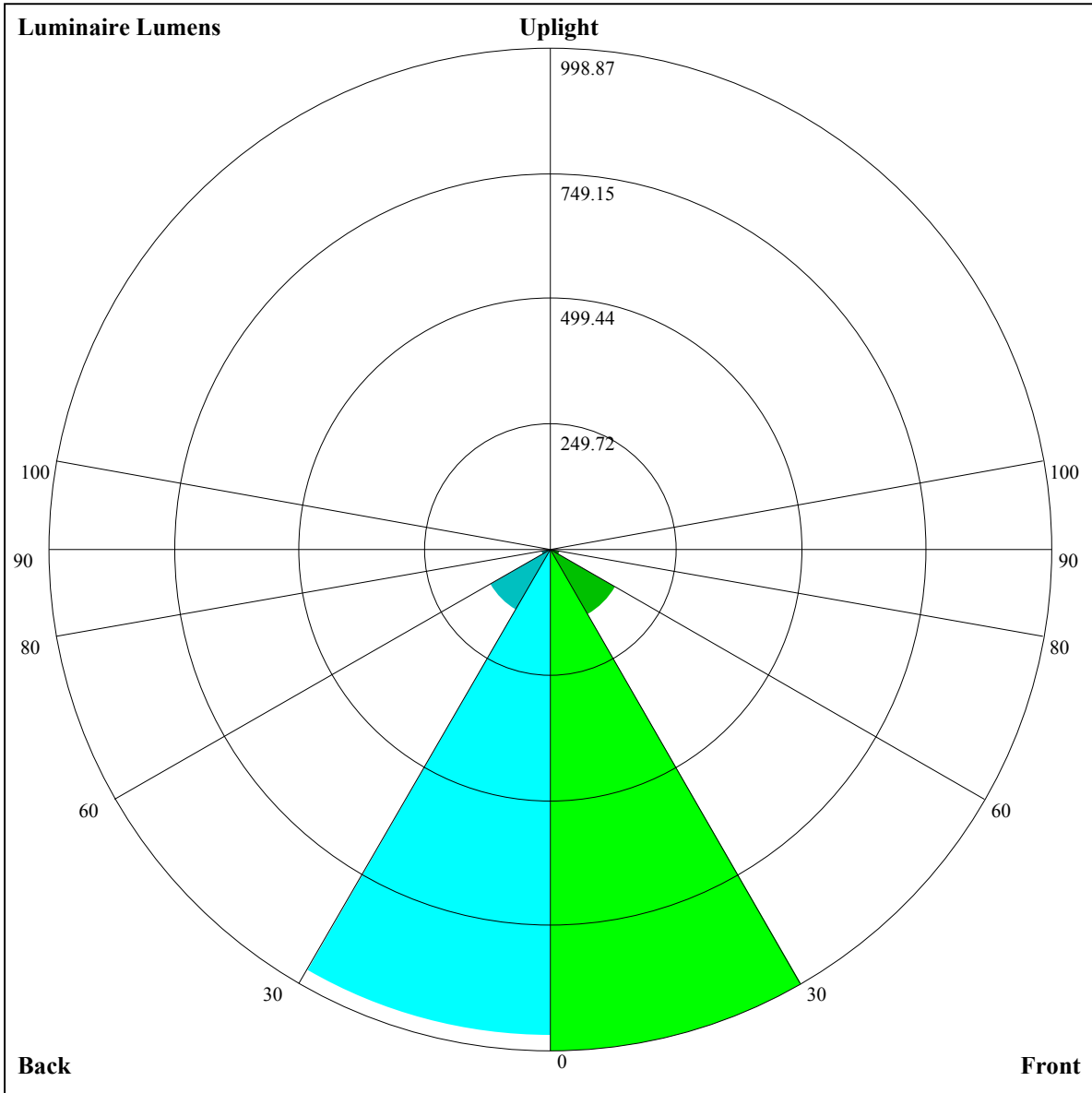
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.90	0.90	0.90	0.87	0.87	0.87	0.85
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	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
7	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
8	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.55	0.61	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53







Luminaire Lumens:

FL=998.87,FM=149.36,FH=18.39,FVH=5.91

BL=969.81,BM=140.95,BH=18.4,BVH=5.87

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	7795.84	7724.44	7537.17	7252.17	6832.56	6464.45	6096.35	5737.02	5281.71
45.0	7684.06	7789.99	7769.51	7616.76	7291.38	6960.14	6593.20	6132.63	5759.26
90.0	7778.28	7656.56	7444.71	7157.36	6819.69	6370.82	6005.64	5642.80	5291.08
135.0	7748.44	7742.59	7594.52	7354.00	6963.65	6609.00	6247.92	5873.96	5419.83
180.0	7795.84	7697.52	7417.20	7116.39	6782.23	6423.49	5959.99	5585.45	5224.36
225.0	7684.06	7385.01	7078.94	6628.32	6269.57	5895.62	5425.68	5061.67	4697.07
270.0	7778.28	7717.42	7537.17	7190.72	6843.68	6487.28	6021.44	5653.33	5282.30
315.0	7748.44	7611.49	7368.04	6977.70	6634.75	6253.19	5793.79	5415.73	5051.72
360.0	7795.84	7724.44	7537.17	7252.17	6832.56	6464.45	6096.35	5737.02	5281.71
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4925.90	4582.37	4245.87	3840.30	3543.01	3263.86	2948.42	2712.58	2456.25
45.0	5402.86	5043.53	4612.22	4277.47	3955.01	3572.86	3293.12	2973.59	2745.35
90.0	4848.65	4498.10	4083.76	3773.59	3481.56	3144.47	2903.36	2676.29	2474.39
135.0	5065.77	4722.82	4368.18	3964.37	3653.03	3370.95	3039.72	2803.29	2537.59
180.0	4876.15	4436.06	4094.29	3782.37	3406.07	3136.86	2895.75	2617.77	2417.62
225.0	4350.62	3945.06	3646.01	3361.59	3097.07	2799.77	2587.34	2391.87	2173.58
270.0	4844.55	4489.90	4148.13	3834.45	3460.49	3186.02	2934.96	2701.46	2441.62
315.0	4695.90	4269.27	3942.72	3647.77	3356.91	3030.94	2791.58	2527.06	2331.59
360.0	4925.90	4582.37	4245.87	3840.30	3543.01	3263.86	2948.42	2712.58	2456.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2269.56	2106.87	1951.78	1787.92	1665.02	1553.83	1450.83	1279.36	1156.11
45.0	2535.84	2353.83	2144.32	1998.02	1860.49	1734.67	1591.29	1487.12	1389.97
90.0	2244.40	2084.04	1941.84	1808.99	1658.00	1546.81	1424.50	1280.53	1157.52
135.0	2347.98	2180.02	2029.62	1859.32	1734.08	1618.79	1514.62	1393.48	1306.28
180.0	2237.96	2037.81	1890.34	1756.32	1609.43	1502.92	1407.52	1316.81	1215.57
225.0	2018.50	1874.53	1714.77	1598.31	1490.63	1373.58	1152.02	1152.02	1101.28
270.0	2261.37	2053.03	1900.28	1767.44	1615.86	1510.52	1412.21	1320.91	1212.64
315.0	2152.52	1956.47	1812.50	1684.34	1542.71	1442.64	1349.59	1149.56	1149.56
360.0	2269.56	2106.87	1951.78	1787.92	1665.02	1553.83	1450.83	1279.36	1156.11
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1156.11	1054.34	928.46	824.11	723.10	601.32	508.38	400.53	319.42
45.0	1301.01	1189.82	1090.33	956.90	854.49	747.98	625.66	531.44	441.90
90.0	1134.22	1030.87	931.74	828.39	701.86	603.54	512.19	421.95	322.58
135.0	1219.08	1121.93	995.53	893.70	764.36	666.04	571.82	461.22	380.45
180.0	1121.35	1028.30	919.45	784.26	680.09	558.36	469.99	386.89	311.98
225.0	973.70	871.81	767.29	665.99	546.78	457.18	374.54	300.45	218.41
270.0	1120.76	1020.69	914.18	781.92	679.50	582.36	468.82	386.89	311.40
315.0	1054.11	952.16	846.94	744.87	621.45	529.92	420.72	342.88	270.73
360.0	1156.11	1054.34	928.46	824.11	723.10	601.32	508.38	400.53	319.42
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	248.78	187.56	128.57	98.90	83.80	73.21	66.66	61.10	56.36
45.0	359.97	303.21	303.21	144.90	107.68	84.04	75.49	68.35	62.68
90.0	252.06	191.54	141.21	97.73	81.81	73.62	65.43	60.10	54.60
135.0	303.79	303.79	158.07	116.28	92.00	78.54	70.81	64.78	59.63
180.0	311.98	168.19	124.18	91.30	79.30	71.40	65.19	58.70	54.19
225.0	162.17	111.54	90.12	79.77	70.05	64.14	58.99	54.54	49.51
270.0	311.40	170.48	127.11	94.22	82.46	73.86	65.84	60.45	55.65
315.0	192.77	142.97	107.74	84.97	76.02	68.76	63.09	57.18	53.02
360.0	248.78	187.56	128.57	98.90	83.80	73.21	66.66	61.10	56.36

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	51.09	47.34	44.01	40.44	37.86	35.11	33.30	31.72	30.31
45.0	56.59	52.38	48.52	44.36	41.38	38.16	35.93	33.94	32.25
90.0	50.56	46.94	43.72	40.32	37.86	35.58	33.77	31.72	30.37
135.0	54.19	50.27	46.70	43.54	40.03	37.45	34.82	33.07	31.49
180.0	50.10	46.58	42.66	39.91	36.81	34.70	32.89	30.90	29.67
225.0	46.00	42.96	40.15	37.16	35.05	33.18	31.19	29.90	28.73
270.0	51.50	46.88	43.66	40.67	38.10	35.29	33.36	31.72	29.96
315.0	49.22	45.76	42.08	39.39	36.99	34.35	32.66	30.67	29.50
360.0	51.09	47.34	44.01	40.44	37.86	35.11	33.30	31.72	30.31
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.97	28.09	27.45	27.10	27.04	27.04	27.21	26.98	26.39
45.0	30.49	29.32	28.32	27.68	27.10	26.98	27.04	27.15	27.21
90.0	29.26	28.44	27.74	27.51	27.51	27.62	27.86	27.62	26.98
135.0	29.96	29.03	28.27	27.80	27.62	27.68	27.86	27.97	27.45
180.0	28.68	27.92	27.33	27.21	27.33	27.51	27.62	27.39	26.74
225.0	27.80	27.27	27.15	27.15	27.21	27.39	27.21	26.63	25.52
270.0	28.79	27.92	27.21	26.92	26.92	27.04	27.15	27.04	26.57
315.0	28.50	27.74	27.15	27.15	27.15	27.21	27.33	26.92	26.28
360.0	28.97	28.09	27.45	27.10	27.04	27.04	27.21	26.98	26.39
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.52	24.17	22.18	20.48	18.61	17.44	16.50	15.80	15.22
45.0	26.69	25.69	24.40	22.41	20.66	19.20	17.85	16.62	15.92
90.0	25.93	24.11	22.41	20.60	19.02	17.50	16.56	15.98	15.51
135.0	26.69	25.34	23.47	21.59	19.55	18.20	17.09	16.33	15.68
180.0	25.34	23.82	22.12	19.78	18.38	16.97	16.27	15.68	15.27
225.0	24.05	21.89	20.13	18.61	17.15	16.39	15.80	15.27	14.92
270.0	25.40	23.94	22.30	20.54	18.67	17.50	16.62	15.86	15.39
315.0	24.99	23.12	21.24	19.25	17.97	16.97	16.09	15.57	15.16
360.0	25.52	24.17	22.18	20.48	18.61	17.44	16.50	15.80	15.22
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.86	14.57	14.22	13.87	13.52	13.23	12.87	12.52	12.17
45.0	15.45	15.04	14.63	14.34	13.99	13.81	13.87	13.64	12.99
90.0	14.98	14.69	14.28	13.99	13.69	13.28	12.93	12.64	12.29
135.0	15.22	14.81	14.40	14.10	13.75	13.52	13.11	12.82	12.52
180.0	14.81	14.46	14.16	13.93	13.58	13.34	13.11	12.82	12.47
225.0	14.63	14.75	15.98	17.44	17.56	15.92	14.40	12.23	11.82
270.0	14.92	14.57	14.34	14.22	13.69	13.34	12.99	12.70	12.29
315.0	14.69	14.40	14.10	13.81	13.40	13.11	12.76	12.47	12.06
360.0	14.86	14.57	14.22	13.87	13.52	13.23	12.87	12.52	12.17
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.82	11.53	11.18	11.00	10.77	10.48	10.24	10.12	9.95
45.0	12.47	11.88	11.41	11.18	10.89	10.65	10.42	10.24	10.07
90.0	11.82	11.47	11.18	10.89	10.65	10.42	10.24	10.07	9.89
135.0	12.11	11.82	11.41	11.12	10.83	10.42	10.18	10.01	9.83
180.0	12.00	11.59	11.35	11.06	10.48	10.30	10.12	9.95	9.89
225.0	11.47	11.18	10.94	10.71	10.36	10.12	9.95	9.83	9.83
270.0	12.00	11.65	11.24	10.94	10.65	10.30	10.12	9.95	9.83
315.0	11.76	11.41	11.12	10.83	10.59	10.30	10.07	9.89	9.77
360.0	11.82	11.53	11.18	11.00	10.77	10.48	10.24	10.12	9.95

Intensity data(cd)

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