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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.411.00

Report No: 2024330-B013

Ballast type: AC

Test No: 2024330-C013

Voltage(V): 34.070

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.624

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2445.35, Efficiency(%): 85.80% , Luminous Efficacy(lm/W): 124.61

Central intensity(cd): 8029.273, Maximum intensity(cd): 8029.273

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

Beam Angle(50%Imax): [C0/180]Total=25.4

[C90/270]Total=25.4

Field angle(10%Imax): [C0/180]Total=58.6

[C90/270]Total=58.6

Maximum s/h(1/2): C0\_180=0.43 C90\_270=0.43

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(%): 85.80%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.029%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/30  
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	8029.272	0.000	0	0.00%	0.00%
1.0	8000.450	7.670	7.67	0.27%	0.31%
2.0	7909.082	22.835	30.505	0.80%	1.25%
3.0	7746.609	37.443	67.948	1.31%	2.78%
4.0	7524.955	51.119	119.067	1.79%	4.87%
5.0	7250.557	63.563	182.63	2.23%	7.47%
6.0	6922.978	74.486	257.116	2.61%	10.51%
7.0	6521.001	83.447	340.563	2.93%	13.93%
8.0	6112.441	90.415	430.978	3.17%	17.62%
9.0	5691.225	95.662	526.64	3.36%	21.54%
10.0	5195.540	98.521	625.161	3.46%	25.57%
11.0	4756.987	99.446	724.607	3.49%	29.63%
12.0	4310.753	99.123	823.731	3.48%	33.69%
13.0	3904.826	97.498	921.229	3.42%	37.67%
14.0	3520.041	95.038	1016.267	3.33%	41.56%
15.0	3182.000	92.009	1108.275	3.23%	45.32%
16.0	2862.248	88.565	1196.84	3.11%	48.94%
17.0	2573.293	84.646	1281.486	2.97%	52.41%
18.0	2321.280	80.701	1362.187	2.83%	55.71%
19.0	2112.428	77.137	1439.325	2.71%	58.86%
20.0	1934.886	74.077	1513.402	2.60%	61.89%
21.0	1782.434	71.380	1584.782	2.50%	64.81%
22.0	1631.520	68.605	1653.387	2.41%	67.61%
23.0	1480.751	65.304	1718.691	2.29%	70.28%
24.0	1345.798	61.798	1780.489	2.17%	72.81%
25.0	1241.438	58.828	1839.317	2.06%	75.22%
26.0	1159.316	56.670	1895.987	1.99%	77.53%
27.0	1052.754	54.119	1950.106	1.90%	79.75%
28.0	946.726	50.623	2000.729	1.78%	81.82%
29.0	842.044	46.799	2047.528	1.64%	83.73%
30.0	729.849	42.441	2089.969	1.49%	85.47%
31.0	629.541	37.830	2127.799	1.33%	87.01%
32.0	532.752	33.298	2161.097	1.17%	88.38%
33.0	443.169	28.751	2189.848	1.01%	89.55%
34.0	369.518	24.594	2214.442	0.86%	90.56%
35.0	311.757	21.158	2235.6	0.74%	91.42%
36.0	276.336	18.725	2254.325	0.66%	92.19%
37.0	234.302	16.654	2270.979	0.58%	92.87%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	200.571	14.515	2285.495	0.51%	93.46%
39.0	160.710	12.332	2297.826	0.43%	93.97%
40.0	135.736	10.339	2308.165	0.36%	94.39%
41.0	114.894	8.925	2317.09	0.31%	94.75%
42.0	98.749	7.762	2324.852	0.27%	95.07%
43.0	84.902	6.803	2331.655	0.24%	95.35%
44.0	73.819	5.991	2337.646	0.21%	95.60%
45.0	64.733	5.325	2342.97	0.19%	95.81%
46.0	57.842	4.794	2347.764	0.17%	96.01%
47.0	52.809	4.401	2352.165	0.15%	96.19%
48.0	49.371	4.131	2356.295	0.14%	96.36%
49.0	46.708	3.946	2360.241	0.14%	96.52%
50.0	44.638	3.809	2364.05	0.13%	96.68%
51.0	43.182	3.716	2367.765	0.13%	96.83%
52.0	41.814	3.647	2371.412	0.13%	96.98%
53.0	40.446	3.578	2374.991	0.13%	97.12%
54.0	39.056	3.504	2378.495	0.12%	97.27%
55.0	37.506	3.418	2381.912	0.12%	97.41%
56.0	35.845	3.315	2385.227	0.12%	97.54%
57.0	33.972	3.192	2388.419	0.11%	97.67%
58.0	32.158	3.058	2391.477	0.11%	97.80%
59.0	30.220	2.916	2394.393	0.10%	97.92%
60.0	28.303	2.765	2397.158	0.10%	98.03%
61.0	26.664	2.623	2399.781	0.09%	98.14%
62.0	25.106	2.495	2402.276	0.09%	98.24%
63.0	23.709	2.374	2404.65	0.08%	98.34%
64.0	22.319	2.259	2406.909	0.08%	98.43%
65.0	21.090	2.148	2409.057	0.08%	98.52%
66.0	19.898	2.045	2411.102	0.07%	98.60%
67.0	18.705	1.941	2413.043	0.07%	98.68%
68.0	17.718	1.845	2414.888	0.06%	98.75%
69.0	16.891	1.766	2416.654	0.06%	98.83%
70.0	16.211	1.700	2418.354	0.06%	98.90%
71.0	15.596	1.644	2419.998	0.06%	98.96%
72.0	15.135	1.598	2421.596	0.06%	99.03%
73.0	14.711	1.561	2423.156	0.05%	99.09%
74.0	14.294	1.525	2424.681	0.05%	99.15%
75.0	13.965	1.493	2426.174	0.05%	99.22%

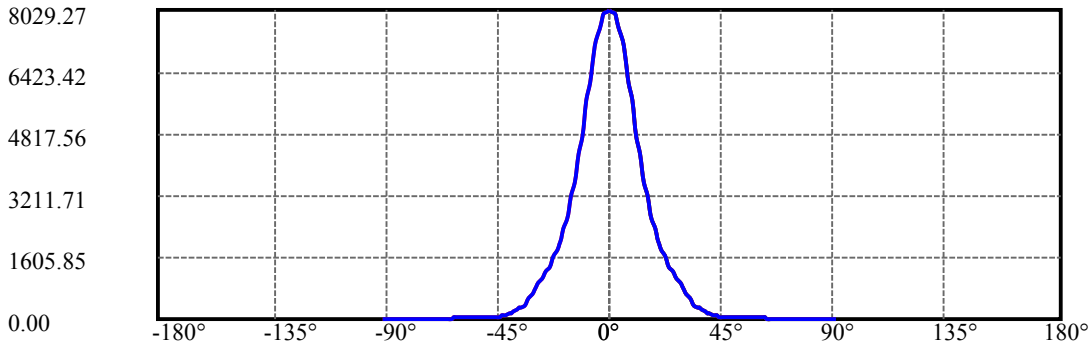
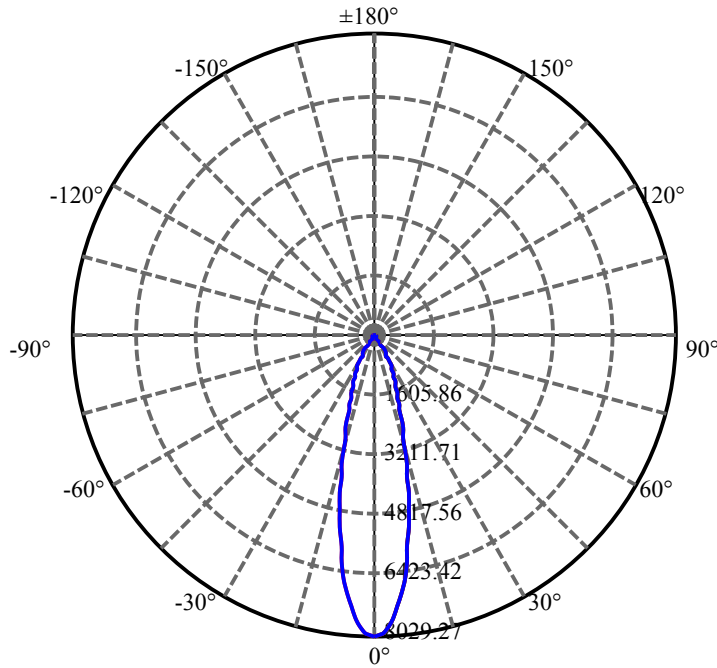
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.614	1.464	2427.638	0.05%	99.28%
77.0	13.292	1.434	2429.073	0.05%	99.33%
78.0	12.963	1.405	2430.478	0.05%	99.39%
79.0	12.655	1.376	2431.855	0.05%	99.45%
80.0	12.334	1.347	2433.202	0.05%	99.50%
81.0	12.070	1.320	2434.522	0.05%	99.56%
82.0	11.778	1.293	2435.815	0.05%	99.61%
83.0	11.529	1.267	2437.082	0.04%	99.66%
84.0	11.280	1.243	2438.325	0.04%	99.71%
85.0	11.061	1.219	2439.544	0.04%	99.76%
86.0	10.841	1.197	2440.741	0.04%	99.81%
87.0	10.644	1.176	2441.917	0.04%	99.86%
88.0	10.490	1.158	2443.075	0.04%	99.91%
89.0	10.366	1.143	2444.218	0.04%	99.95%
90.0	10.300	1.133	2445.351	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2089.97	73.33%	85.47%
0-40	2308.17	80.99%	94.39%
0-60	2397.16	84.11%	98.03%
0-90	2444.22	85.76%	99.95%
0-120	2444.22	85.76%	99.95%
0-180	2445.35	85.80%	100.00%
60-90	47.06	1.65%	1.92%
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%
0-27.12	1956.28	68.64%	80.00%

ZONAL LUMEN SUMMARY

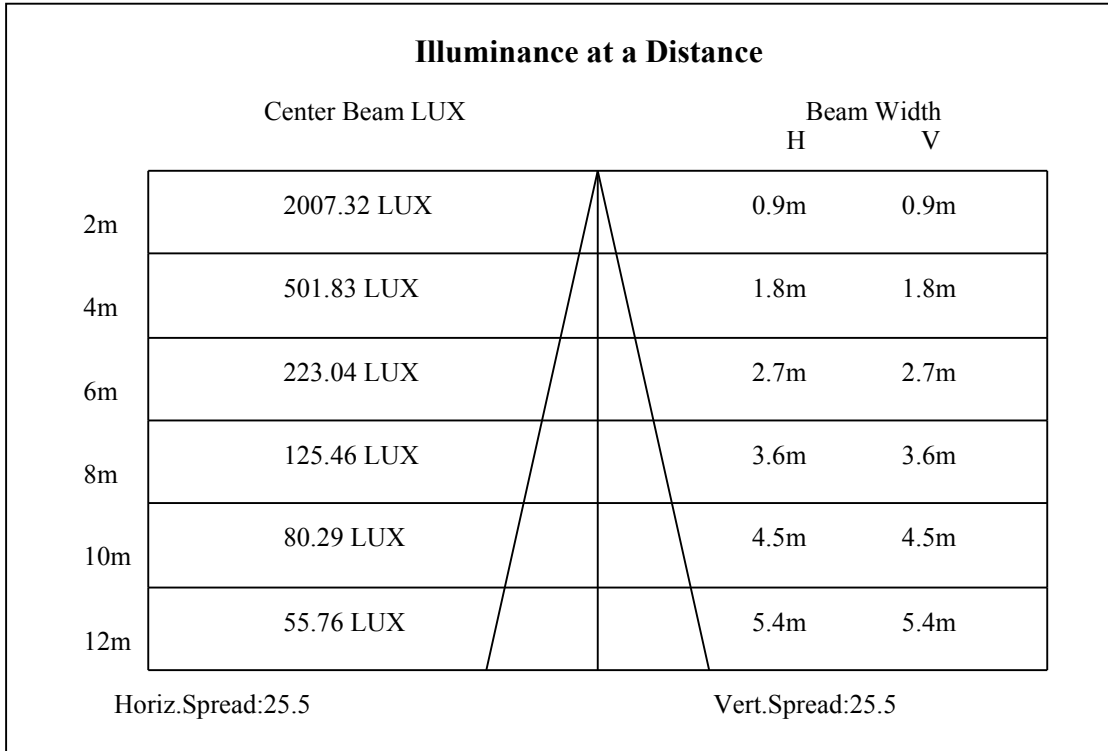
0-10	625.16
10-20	888.24
20-30	576.57
30-40	218.20
40-50	55.88
50-60	33.11
60-70	21.20
70-80	14.85
80-90	11.02
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

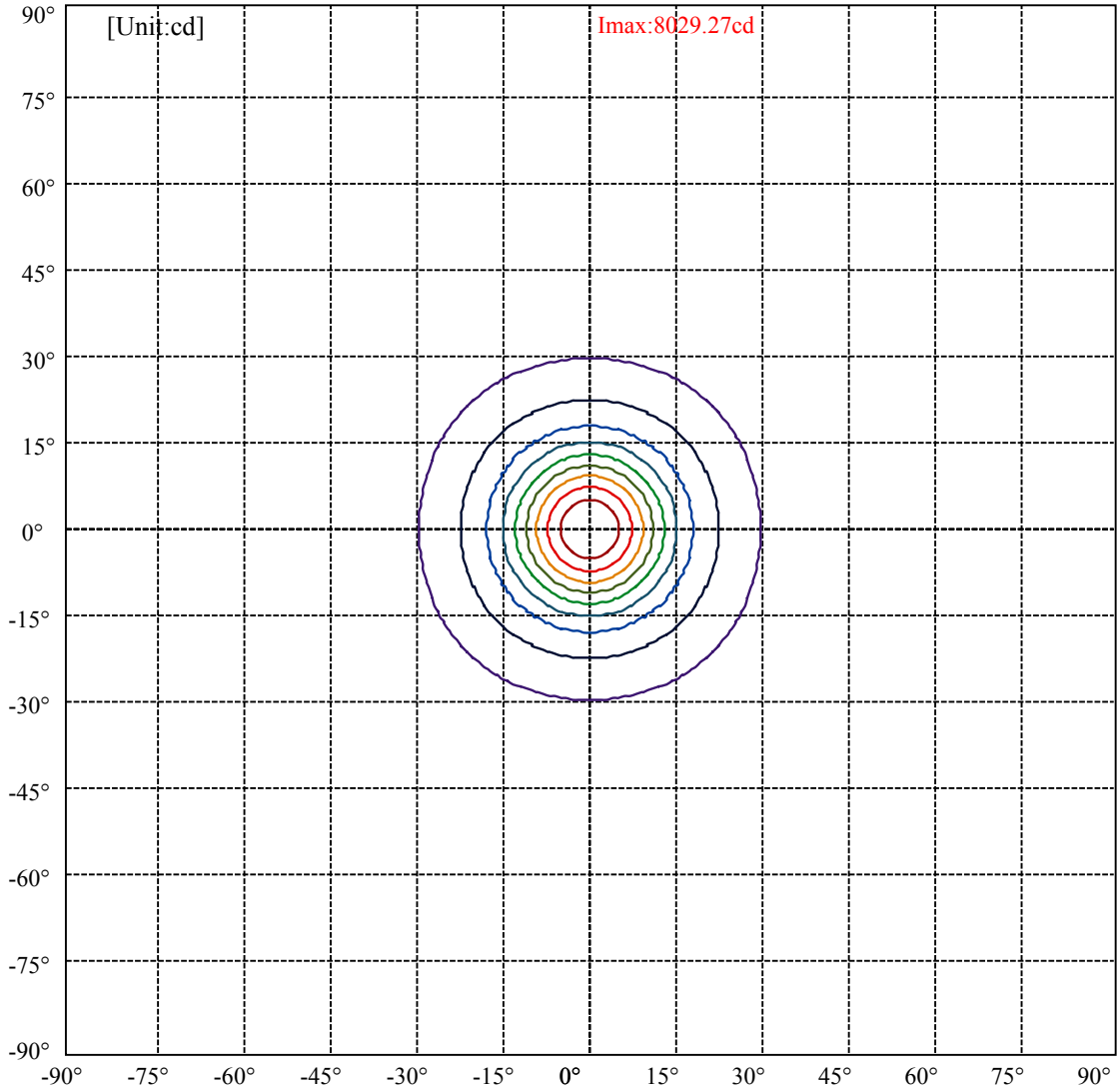


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:29.3 Right:29.3  
:C90/270Left:29.3 Right:29.3

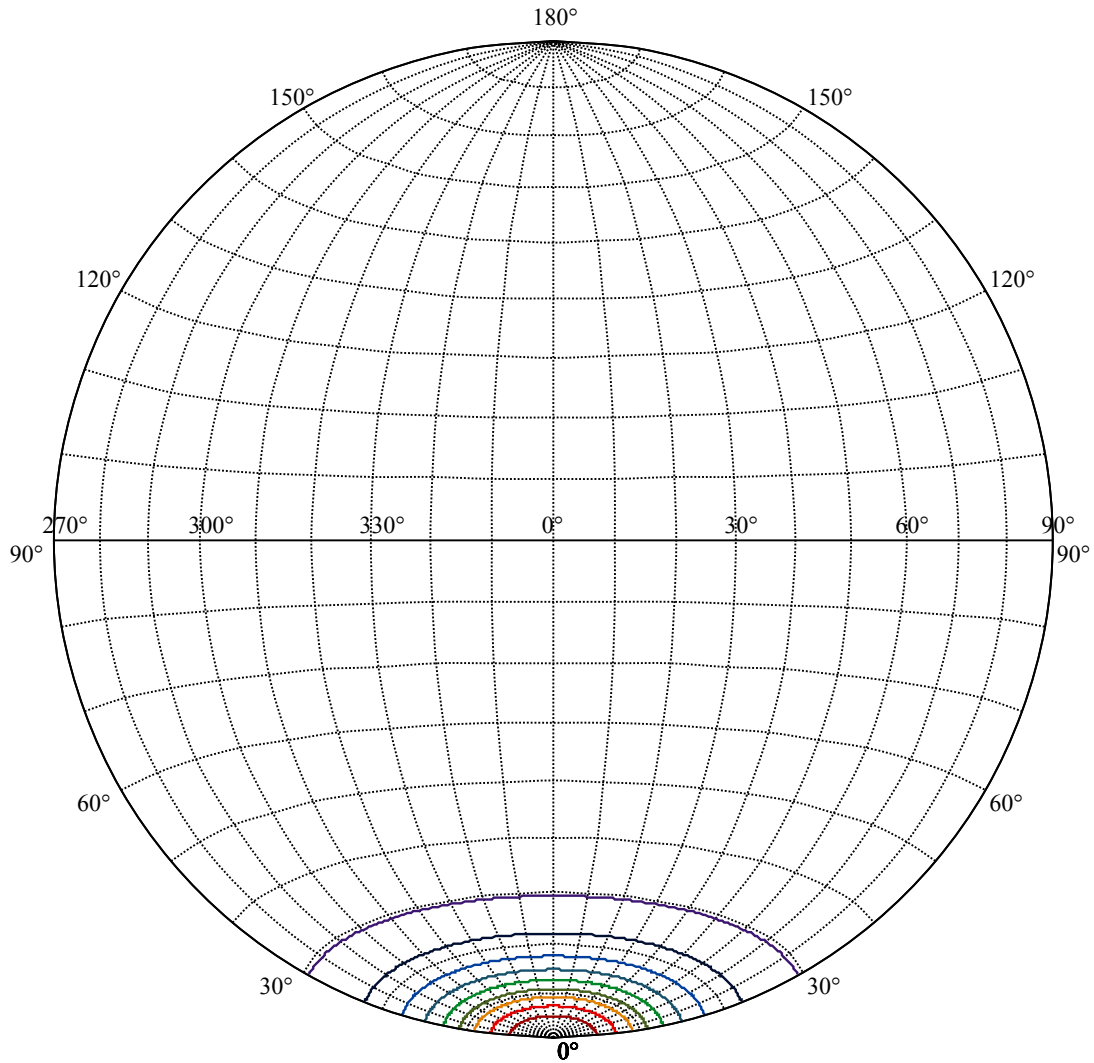
Beam Angle(50%Imax):C0/180Left:12.7 Right:12.7  
:C90/270Left:12.7 Right:12.7





(10%Imax) 802.927	—
(20%Imax) 1605.85	—
(30%Imax) 2408.78	—
(40%Imax) 3211.71	—
(50%Imax) 4014.64	—
(60%Imax) 4817.56	—
(70%Imax) 5620.49	—
(80%Imax) 6423.42	—
(90%Imax) 7226.35	—





House

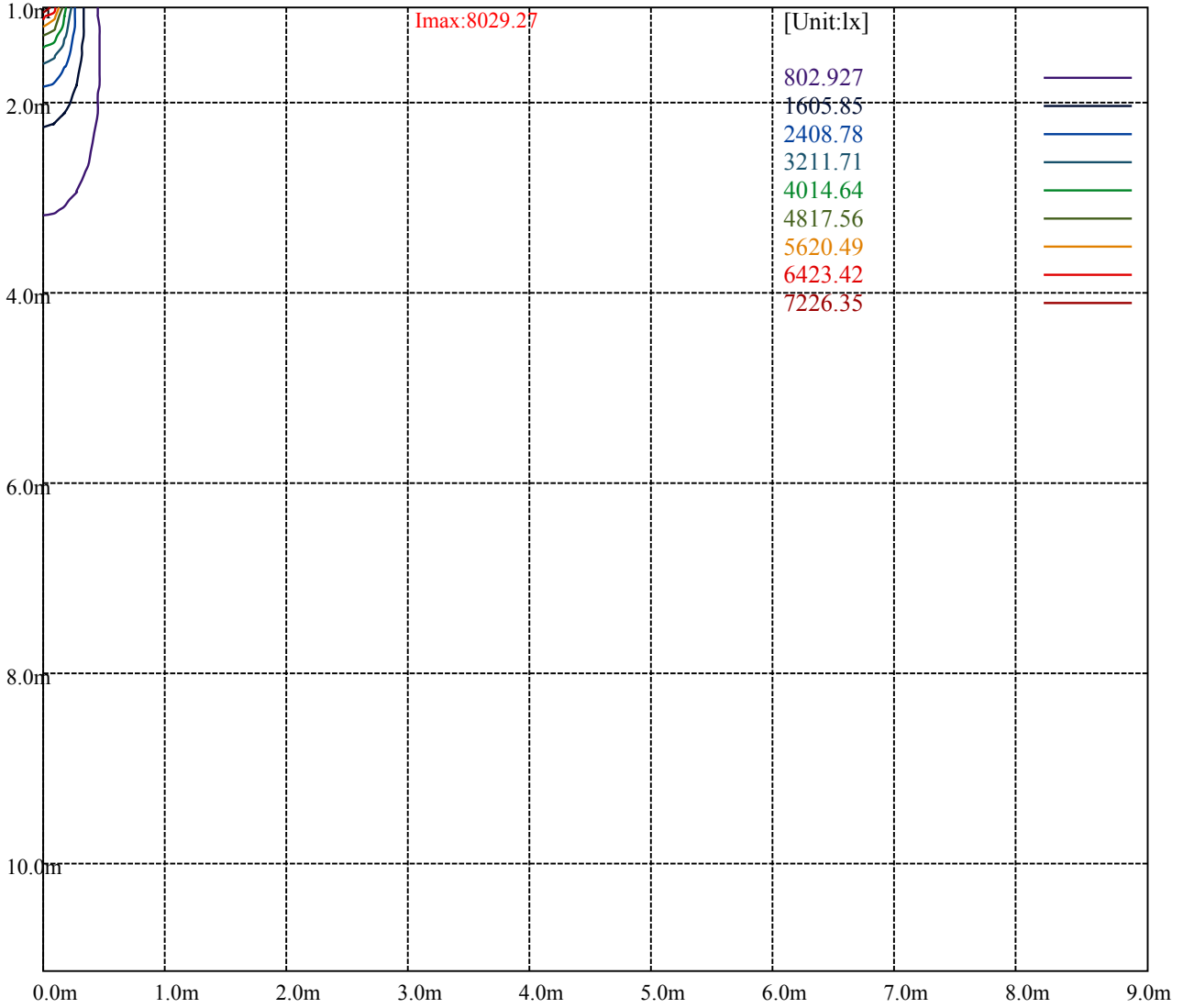
[Unit:cd]

Road

**Imax:8029.27**

(10%Imax)	802.927	—
(20%Imax)	1605.85	—
(30%Imax)	2408.78	—
(40%Imax)	3211.71	—
(50%Imax)	4014.64	—
(60%Imax)	4817.56	—
(70%Imax)	5620.49	—
(80%Imax)	6423.42	—
(90%Imax)	7226.35	—





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

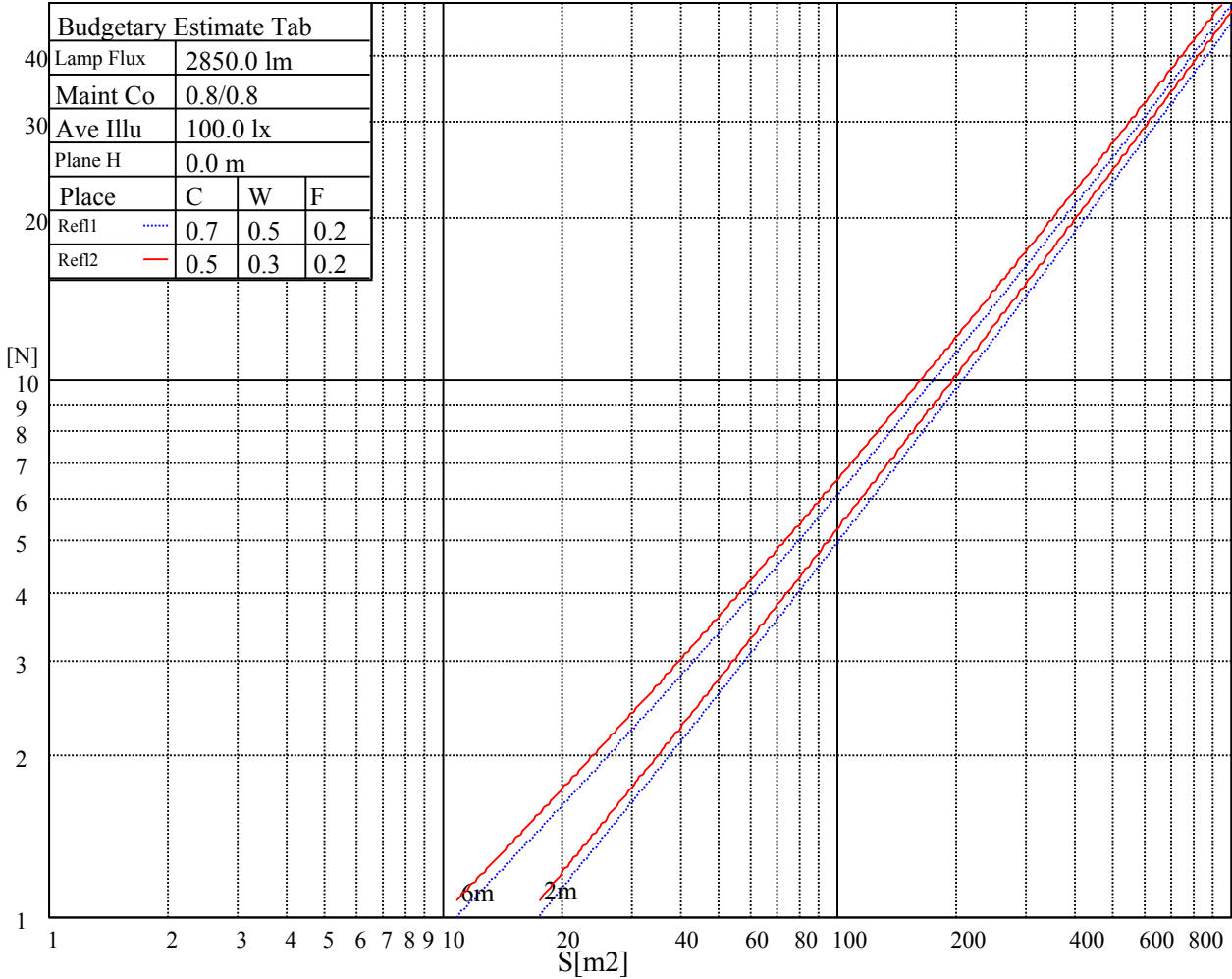
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

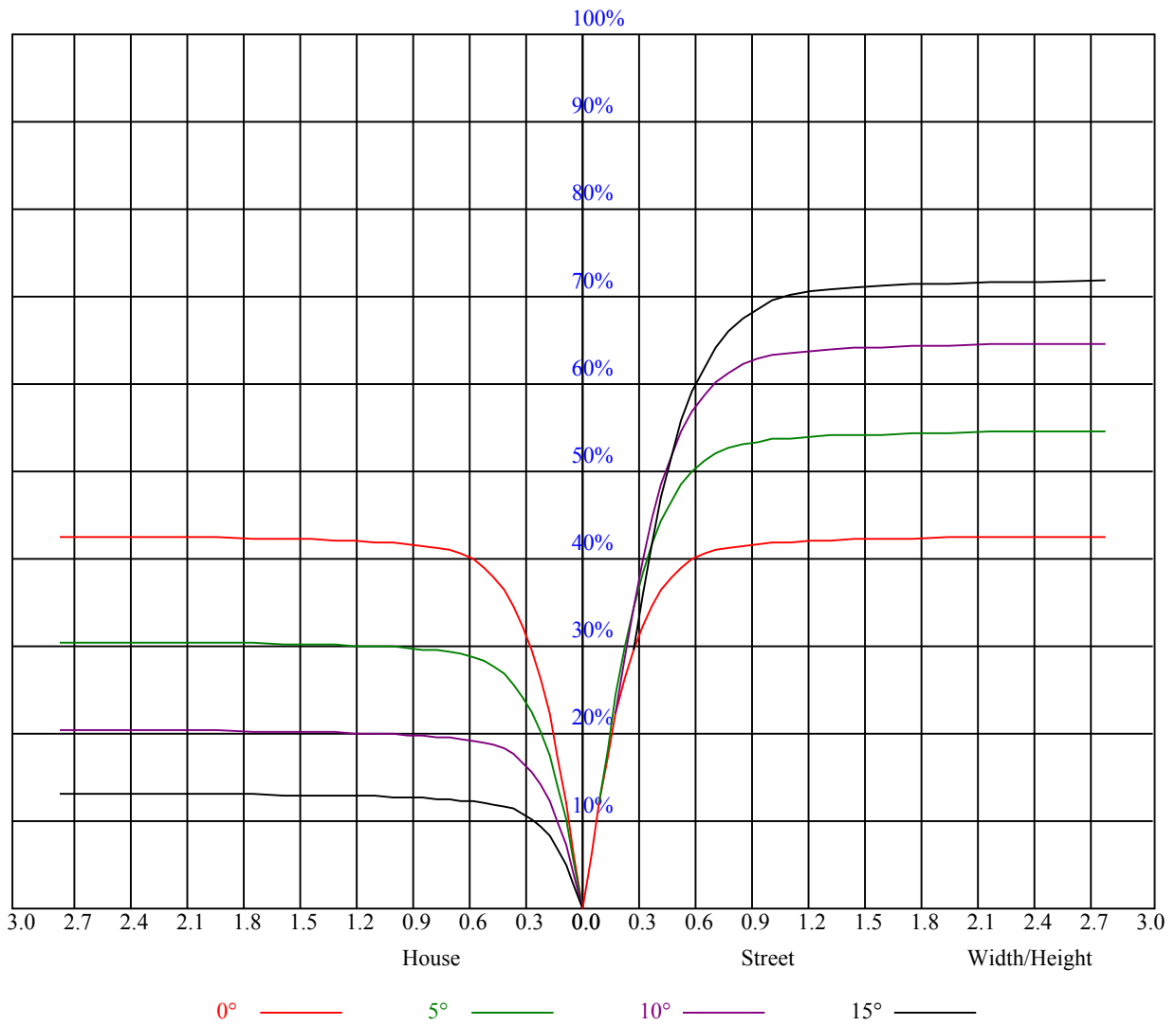


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

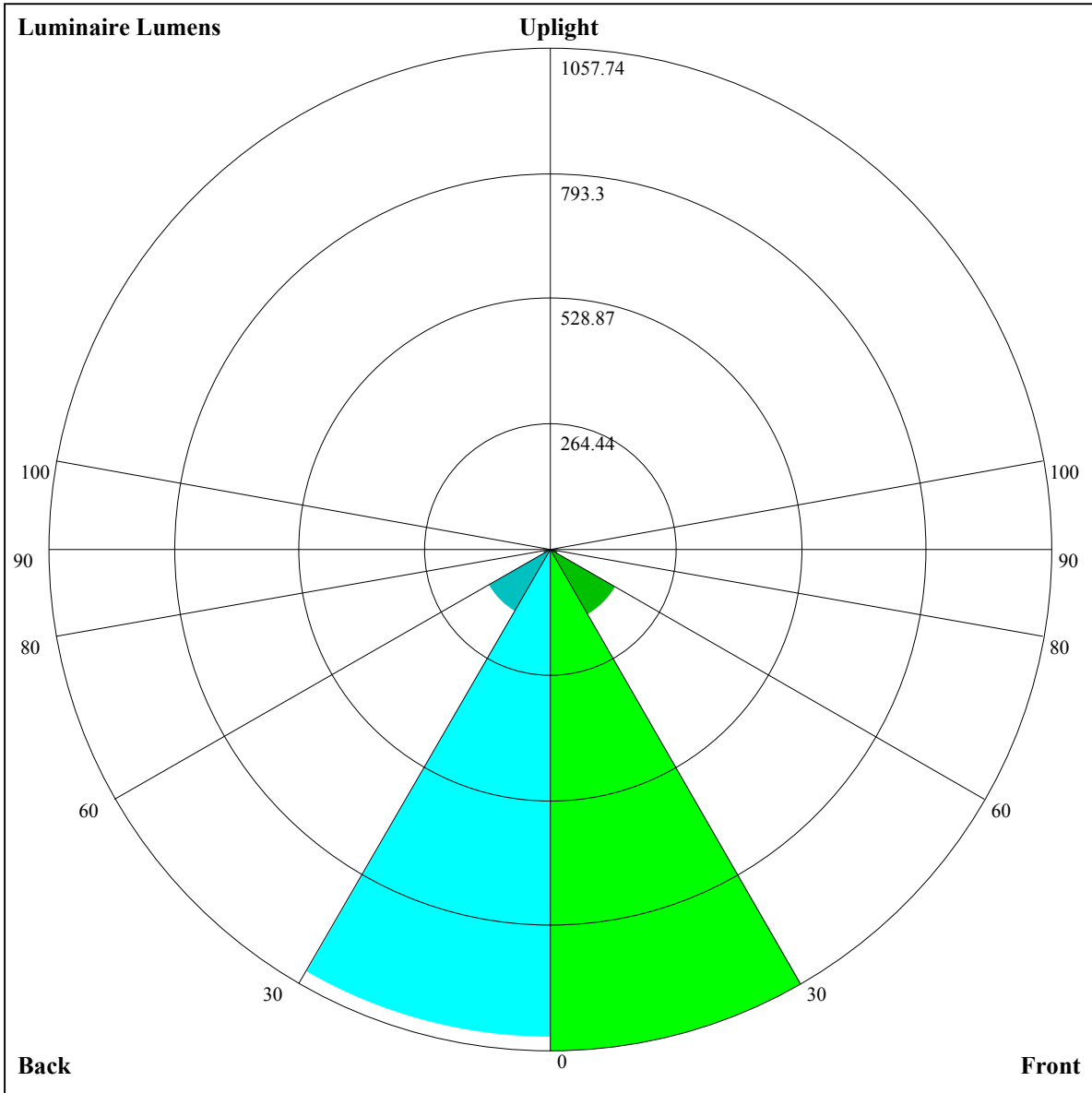
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.81
2	0.90	0.87	0.84	0.89	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.81	0.80	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=1057.74,FM=157.06,FH=18.24,FVH=6.12

BL=1029.72,BM=152.34,BH=17.88,BVH=6.05

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	8044.56	8027.59	7936.88	7792.33	7615.01	7318.88	7028.61	6582.67	6191.15
45.0	8001.84	8040.46	8056.27	8022.32	7903.52	7699.28	7477.48	7215.30	6812.66
90.0	8043.39	8057.44	7998.91	7823.35	7633.73	7406.08	7057.87	6706.74	6324.59
135.0	8025.83	8038.71	8031.69	7953.85	7742.59	7514.35	7250.41	6870.60	6498.40
180.0	8044.56	8025.25	7948.00	7785.89	7497.38	7225.25	6916.83	6439.29	6042.51
225.0	8001.84	7878.94	7637.83	7372.14	7070.75	6734.24	6232.70	5813.68	5408.71
270.0	8046.32	8010.03	7898.26	7660.65	7414.86	7146.83	6824.37	6340.39	5937.17
315.0	8025.83	7925.18	7764.82	7562.34	7321.81	6959.55	6595.54	6199.35	5684.35
360.0	8044.56	8027.59	7936.88	7792.33	7615.01	7318.88	7028.61	6582.67	6191.15
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5767.45	5204.46	4768.47	4364.67	3897.66	3547.11	3207.68	2895.75	2617.77
45.0	6434.02	6019.68	5568.47	5011.34	4595.25	4198.46	3819.82	3380.32	3049.08
90.0	5909.08	5342.58	4890.20	4471.18	4085.51	3638.99	3297.22	2978.85	2627.72
135.0	6001.54	5593.05	5171.11	4738.63	4219.53	3835.62	3487.41	3077.17	2783.97
180.0	5638.70	5113.75	4688.88	4164.52	3773.00	3424.80	3096.48	2799.77	2500.72
225.0	4997.29	4474.10	4069.13	3607.39	3276.15	2969.49	2632.40	2399.48	2189.39
270.0	5535.12	5114.93	4579.44	4177.98	3799.34	3371.54	3042.06	2764.08	2455.08
315.0	5246.60	4701.76	4320.19	3950.33	3592.17	3174.32	2872.93	2602.55	2362.61
360.0	5767.45	5204.46	4768.47	4364.67	3897.66	3547.11	3207.68	2895.75	2617.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2325.74	2131.45	1960.56	1805.48	1631.08	1506.43	1289.89	1151.90	1151.90
45.0	2749.45	2434.01	2222.16	2041.91	1838.25	1694.87	1539.20	1423.91	1316.81
90.0	2387.78	2137.30	1964.66	1807.82	1670.29	1518.13	1411.62	1164.48	1164.48
135.0	2528.23	2303.50	2067.66	1908.48	1762.17	1600.06	1487.70	1380.60	1251.85
180.0	2259.61	2072.34	1921.35	1740.52	1609.43	1490.04	1365.39	1269.41	1143.59
225.0	1971.10	1823.62	1686.68	1566.12	1430.35	1152.95	1152.95	1128.08	1029.76
270.0	2234.45	2048.93	1860.49	1729.40	1599.48	1480.68	1354.27	1247.76	1151.78
315.0	2113.89	1948.27	1795.53	1659.76	1511.11	1402.84	1165.36	1165.36	1064.35
360.0	2325.74	2131.45	1960.56	1805.48	1631.08	1506.43	1289.89	1151.90	1151.90
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1024.32	924.60	826.57	704.49	607.81	514.53	432.36	350.96	300.92
45.0	1210.89	1083.90	984.99	886.67	790.11	667.80	572.99	483.45	393.91
90.0	1091.62	993.01	895.04	797.02	671.78	576.04	486.38	393.10	334.40
135.0	1151.20	1050.54	927.05	829.91	731.59	633.86	518.57	436.05	369.34
180.0	1045.86	949.29	827.57	727.49	626.83	533.78	429.03	361.73	307.30
225.0	908.27	808.43	707.89	583.47	491.35	393.68	332.52	282.78	231.28
270.0	1050.54	924.13	826.98	693.55	594.65	505.11	403.86	344.17	295.01
315.0	939.34	839.91	740.25	616.18	522.20	437.22	369.63	303.91	261.89
360.0	1024.32	924.60	826.57	704.49	607.81	514.53	432.36	350.96	300.92
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	259.37	224.43	186.10	159.88	138.17	114.88	99.08	85.21	71.40
45.0	338.32	303.21	303.21	204.77	175.92	145.60	124.89	106.92	91.70
90.0	285.77	234.79	199.21	169.72	139.75	120.15	103.00	85.09	73.62
135.0	314.91	303.21	250.01	185.57	153.04	131.56	110.08	95.51	83.10
180.0	295.01	242.63	180.25	153.91	127.34	110.08	95.86	81.64	73.09
225.0	196.46	167.43	143.03	122.60	101.48	87.90	77.19	66.89	60.40
270.0	295.01	204.36	175.16	149.99	129.86	108.44	93.05	82.11	72.04
315.0	225.84	194.35	167.61	139.23	120.32	100.54	86.85	75.85	65.19
360.0	259.37	224.43	186.10	159.88	138.17	114.88	99.08	85.21	71.40

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	63.15	57.12	51.44	48.63	46.23	44.18	43.19	41.90	40.44
45.0	76.14	66.66	59.22	53.67	48.75	46.23	43.95	42.19	41.20
90.0	64.49	57.59	51.21	47.99	45.41	43.25	41.73	40.61	39.09
135.0	72.92	62.62	56.53	52.14	49.22	45.88	44.18	43.13	41.79
180.0	65.60	57.88	53.67	50.68	48.05	45.65	44.24	43.01	41.55
225.0	55.42	50.91	48.34	45.76	44.36	43.25	42.02	40.26	38.57
270.0	61.62	56.42	51.91	48.52	46.29	44.54	43.42	42.14	40.79
315.0	58.52	53.55	50.15	47.58	45.35	44.13	42.72	41.26	40.15
360.0	63.15	57.12	51.44	48.63	46.23	44.18	43.19	41.90	40.44
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.50	37.69	36.23	34.29	32.42	30.61	28.32	26.74	25.57
45.0	39.97	38.68	37.57	35.99	34.47	32.89	31.13	28.85	27.10
90.0	38.16	36.81	35.17	33.71	31.95	30.31	28.27	26.57	25.46
135.0	40.20	38.92	36.99	35.52	33.83	31.60	29.90	27.97	26.16
180.0	39.56	37.92	36.40	34.00	32.07	29.96	27.92	26.51	24.87
225.0	37.16	35.58	33.01	31.31	29.50	27.10	25.87	24.58	22.47
270.0	39.39	37.75	36.40	33.94	32.25	30.31	28.32	26.63	25.22
315.0	38.51	36.69	35.00	33.01	30.78	28.97	26.69	25.46	23.99
360.0	39.50	37.69	36.23	34.29	32.42	30.61	28.32	26.74	25.57
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.88	22.53	21.48	20.48	19.25	17.91	17.15	16.44	15.68
45.0	25.87	24.81	23.35	21.83	20.78	19.61	18.20	17.44	16.50
90.0	24.29	22.47	21.30	20.37	18.90	17.85	16.91	16.27	15.74
135.0	25.05	23.41	22.12	20.83	19.55	18.43	17.62	16.68	16.09
180.0	23.23	21.95	20.83	19.61	18.14	17.32	16.62	16.04	15.39
225.0	21.36	20.31	18.67	17.73	17.03	16.39	15.68	15.22	14.81
270.0	23.47	21.89	20.83	19.49	18.14	17.32	16.68	15.92	15.45
315.0	22.53	21.19	20.13	18.84	17.85	16.91	16.27	15.68	15.10
360.0	23.88	22.53	21.48	20.48	19.25	17.91	17.15	16.44	15.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.22	14.86	14.40	14.05	13.69	13.40	13.11	12.82	12.41
45.0	15.86	15.39	14.86	14.51	14.16	13.87	13.46	13.17	12.87
90.0	15.27	14.75	14.46	14.10	13.75	13.40	13.11	12.82	12.47
135.0	15.57	15.10	14.69	14.22	13.93	13.64	13.34	12.93	12.64
180.0	14.98	14.57	14.16	13.87	13.46	13.17	12.87	12.47	12.17
225.0	14.46	14.05	13.69	13.46	13.05	12.70	12.35	12.11	11.82
270.0	14.98	14.63	14.16	13.87	13.52	13.23	12.82	12.52	12.23
315.0	14.75	14.34	13.93	13.64	13.34	12.93	12.64	12.41	12.06
360.0	15.22	14.86	14.40	14.05	13.69	13.40	13.11	12.82	12.41
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.17	11.88	11.70	11.41	11.18	10.89	10.71	10.48	10.48
45.0	12.58	12.23	12.00	11.70	11.47	11.24	10.94	10.71	10.48
90.0	12.23	11.94	11.65	11.47	11.29	11.00	10.83	10.59	10.53
135.0	12.35	12.06	11.76	11.47	11.24	11.06	10.83	10.53	10.53
180.0	11.94	11.65	11.41	11.18	10.89	10.71	10.42	10.48	10.18
225.0	11.53	11.29	11.06	10.83	10.65	10.48	10.42	10.18	10.24
270.0	11.94	11.65	11.35	11.12	10.94	10.71	10.53	10.53	10.24
315.0	11.82	11.53	11.29	11.06	10.83	10.65	10.48	10.42	10.24
360.0	12.17	11.88	11.70	11.41	11.18	10.89	10.71	10.48	10.48

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	10.18
45.0	10.48
90.0	10.30
135.0	10.24
180.0	10.30
225.0	10.24
270.0	10.30
315.0	10.36
360.0	10.18