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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.412.00

Report No: 2024301-B007

Ballast type: AC

Test No: 2024301-C007

Voltage(V): 34.230

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.141

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2178.43, Efficiency(%): 84.60% , Luminous Efficacy(lm/W): 120.08

Central intensity(cd): 6926.782, Maximum intensity(cd): 6926.782

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.0

[C90/270]Total=25.0

Field angle(10%Imax): [C0/180]Total=61.4

[C90/270]Total=61.4

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

Maximum s/h(1/4): C0_180=0.48 C90_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.60%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.080%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
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	6926.782	0.000	0	0.00%	0.00%
1.0	6879.013	6.606	6.606	0.26%	0.30%
2.0	6735.925	19.541	26.147	0.76%	1.20%
3.0	6523.342	31.712	57.859	1.23%	2.66%
4.0	6257.796	42.783	100.642	1.66%	4.62%
5.0	5919.902	52.388	153.029	2.03%	7.02%
6.0	5597.662	60.528	213.557	2.35%	9.80%
7.0	5258.305	67.383	280.94	2.62%	12.90%
8.0	4911.852	72.786	353.726	2.83%	16.24%
9.0	4566.642	76.818	430.544	2.98%	19.76%
10.0	4231.382	79.619	510.163	3.09%	23.42%
11.0	3935.477	81.604	591.767	3.17%	27.16%
12.0	3611.775	82.502	674.269	3.20%	30.95%
13.0	3323.186	82.301	756.569	3.20%	34.73%
14.0	3047.106	81.539	838.109	3.17%	38.47%
15.0	2797.580	80.238	918.347	3.12%	42.16%
16.0	2558.955	78.488	996.835	3.05%	45.76%
17.0	2360.198	76.604	1073.44	2.97%	49.28%
18.0	2170.073	74.694	1148.134	2.90%	52.70%
19.0	2002.625	72.596	1220.73	2.82%	56.04%
20.0	1855.807	70.620	1291.351	2.74%	59.28%
21.0	1710.525	68.481	1359.831	2.66%	62.42%
22.0	1575.411	66.032	1425.864	2.56%	65.45%
23.0	1454.760	63.581	1489.445	2.47%	68.37%
24.0	1331.263	60.912	1550.357	2.37%	71.17%
25.0	1231.650	58.275	1608.632	2.26%	73.84%
26.0	1152.527	56.279	1664.911	2.19%	76.43%
27.0	1059.645	54.121	1719.032	2.10%	78.91%
28.0	964.517	51.247	1770.28	1.99%	81.26%
29.0	860.529	47.748	1818.028	1.85%	83.46%
30.0	765.357	43.899	1861.927	1.70%	85.47%
31.0	662.277	39.729	1901.656	1.54%	87.29%
32.0	571.392	35.343	1936.999	1.37%	88.92%
33.0	481.501	31.019	1968.018	1.20%	90.34%
34.0	402.013	26.738	1994.755	1.04%	91.57%
35.0	328.201	22.678	2017.433	0.88%	92.61%
36.0	273.073	19.145	2036.578	0.74%	93.49%
37.0	225.319	16.255	2052.833	0.63%	94.23%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	172.561	13.281	2066.113	0.52%	94.84%
39.0	129.035	10.294	2076.407	0.40%	95.32%
40.0	97.074	7.886	2084.293	0.31%	95.68%
41.0	75.121	6.132	2090.425	0.24%	95.96%
42.0	59.334	4.885	2095.31	0.19%	96.18%
43.0	48.581	3.998	2099.308	0.16%	96.37%
44.0	41.273	3.391	2102.699	0.13%	96.52%
45.0	35.735	2.960	2105.659	0.11%	96.66%
46.0	31.946	2.647	2108.305	0.10%	96.78%
47.0	29.130	2.429	2110.735	0.09%	96.89%
48.0	26.862	2.263	2112.998	0.09%	97.00%
49.0	25.062	2.132	2115.13	0.08%	97.09%
50.0	23.694	2.033	2117.163	0.08%	97.19%
51.0	22.634	1.960	2119.123	0.08%	97.28%
52.0	21.858	1.909	2121.032	0.07%	97.37%
53.0	21.302	1.877	2122.91	0.07%	97.45%
54.0	21.024	1.866	2124.775	0.07%	97.54%
55.0	20.958	1.874	2126.649	0.07%	97.62%
56.0	21.083	1.900	2128.549	0.07%	97.71%
57.0	21.317	1.939	2130.488	0.08%	97.80%
58.0	21.661	1.987	2132.475	0.08%	97.89%
59.0	21.946	2.039	2134.514	0.08%	97.98%
60.0	22.041	2.078	2136.592	0.08%	98.08%
61.0	21.873	2.096	2138.688	0.08%	98.18%
62.0	21.302	2.080	2140.768	0.08%	98.27%
63.0	20.432	2.030	2142.798	0.08%	98.36%
64.0	19.217	1.946	2144.743	0.08%	98.45%
65.0	17.952	1.839	2146.583	0.07%	98.54%
66.0	16.672	1.727	2148.31	0.07%	98.62%
67.0	15.677	1.627	2149.937	0.06%	98.69%
68.0	14.806	1.544	2151.481	0.06%	98.76%
69.0	14.177	1.479	2152.96	0.06%	98.83%
70.0	13.731	1.433	2154.393	0.06%	98.90%
71.0	13.372	1.401	2155.794	0.05%	98.96%
72.0	13.029	1.373	2157.166	0.05%	99.02%
73.0	12.773	1.349	2158.516	0.05%	99.09%
74.0	12.531	1.330	2159.846	0.05%	99.15%
75.0	12.297	1.312	2161.158	0.05%	99.21%

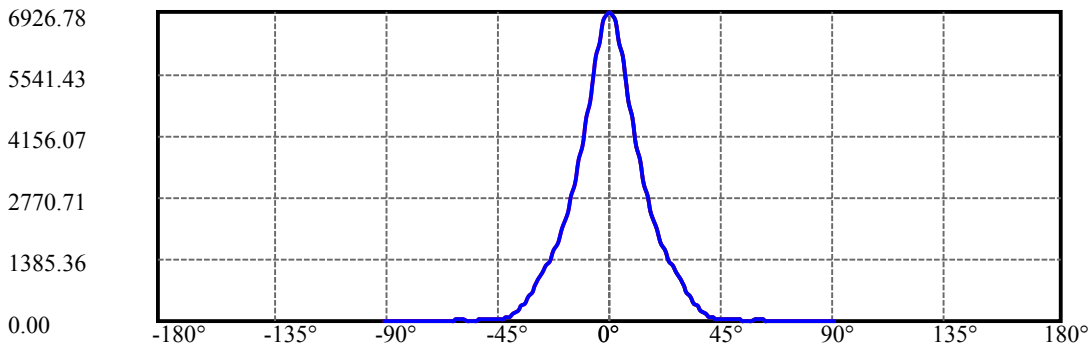
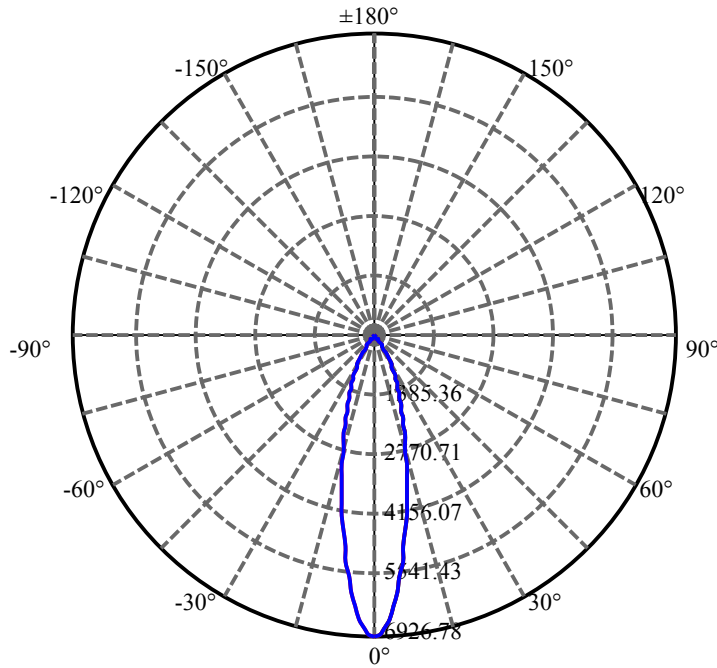
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.085	1.294	2162.452	0.05%	99.27%
77.0	11.858	1.277	2163.729	0.05%	99.33%
78.0	11.624	1.257	2164.986	0.05%	99.38%
79.0	11.390	1.237	2166.222	0.05%	99.44%
80.0	11.134	1.214	2167.436	0.05%	99.50%
81.0	10.893	1.191	2168.628	0.05%	99.55%
82.0	10.636	1.167	2169.795	0.05%	99.60%
83.0	10.410	1.144	2170.939	0.04%	99.66%
84.0	10.241	1.125	2172.064	0.04%	99.71%
85.0	10.022	1.106	2173.17	0.04%	99.76%
86.0	9.832	1.085	2174.255	0.04%	99.81%
87.0	9.634	1.065	2175.321	0.04%	99.86%
88.0	9.495	1.048	2176.369	0.04%	99.91%
89.0	9.371	1.034	2177.403	0.04%	99.95%
90.0	9.349	1.026	2178.429	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1861.93	72.31%	85.47%
0-40	2084.29	80.94%	95.68%
0-60	2136.59	82.97%	98.08%
0-90	2177.40	84.56%	99.95%
0-120	2177.40	84.56%	99.95%
0-180	2178.43	84.60%	100.00%
60-90	40.81	1.58%	1.87%
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%
0-27.46	1742.74	67.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	510.16
10-20	781.19
20-30	570.58
30-40	222.37
40-50	32.87
50-60	19.43
60-70	17.80
70-80	13.04
80-90	9.97
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: —————

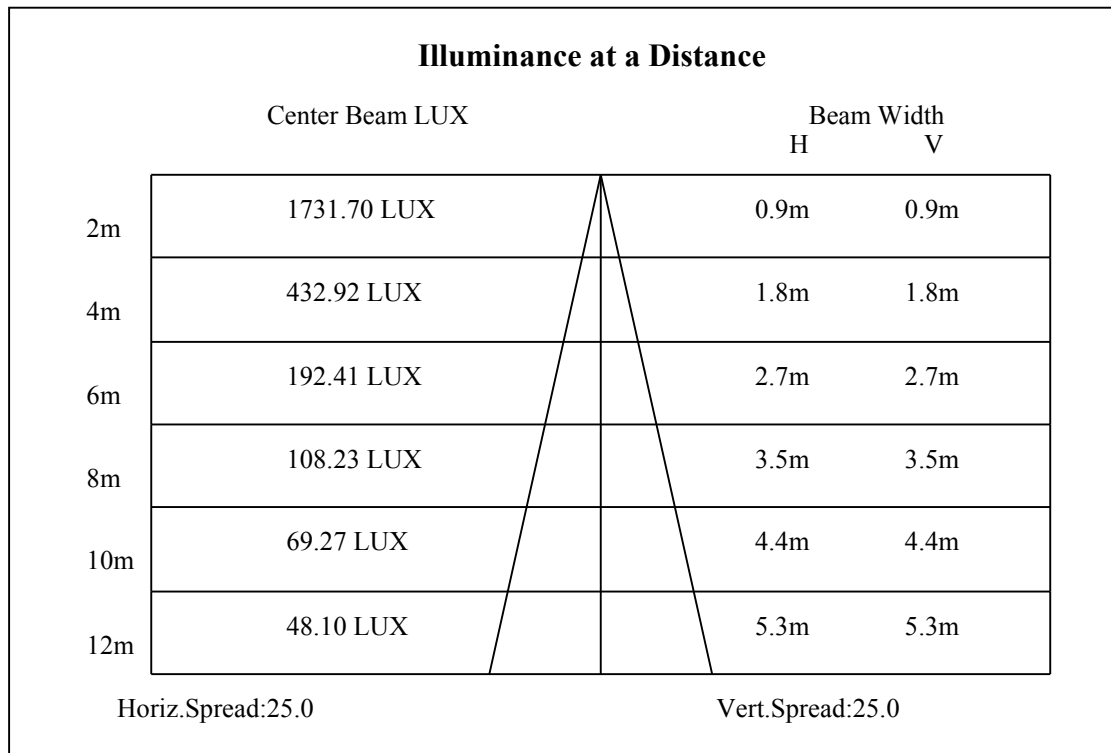
C90/C270: —————

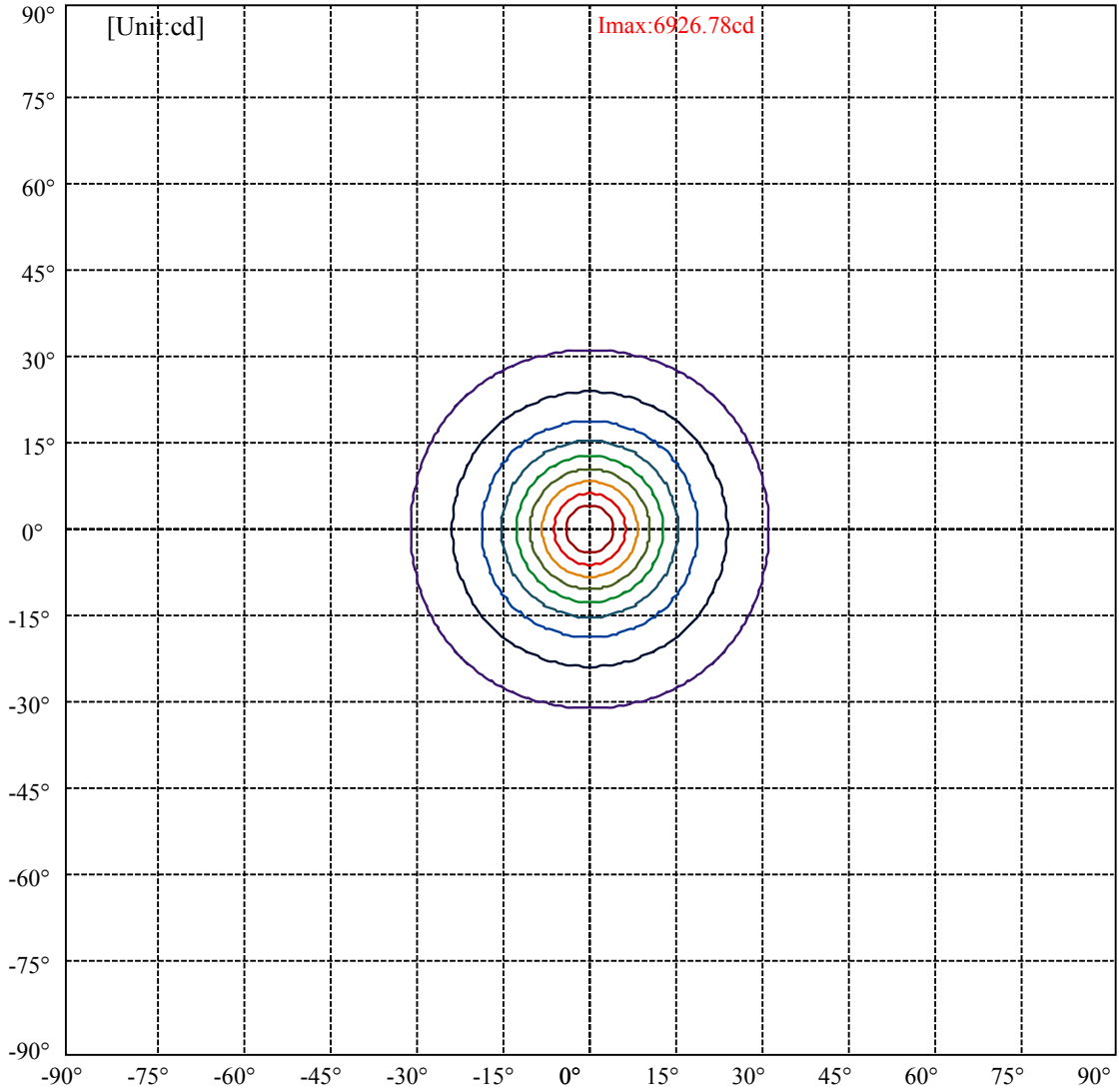
Field angle(10%Imax):C0/180Left:30.7 Right:30.7

:C90/270Left:30.7 Right:30.7

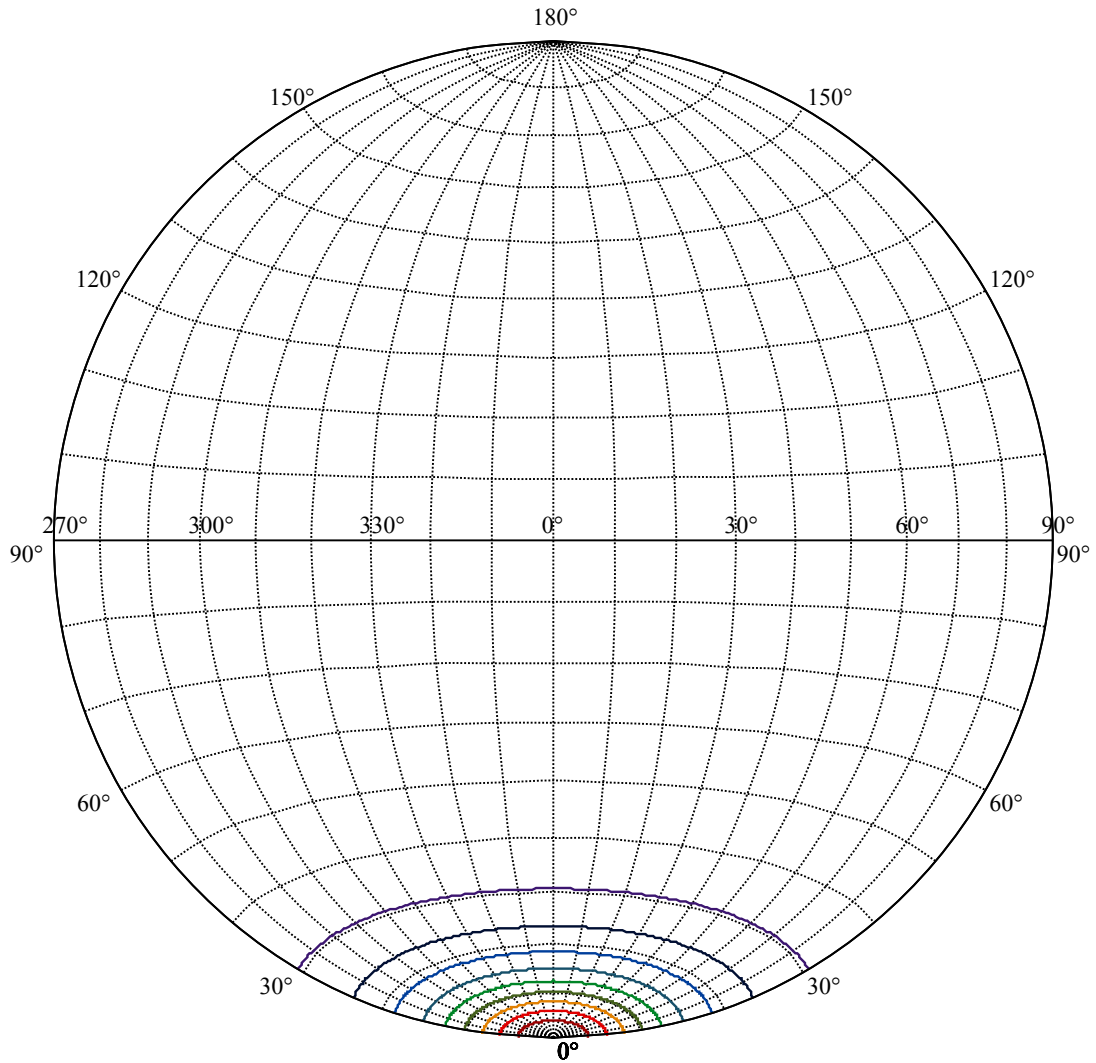
Beam Angle(50%Imax):C0/180Left:12.5 Right:12.5

:C90/270Left:12.5 Right:12.5





(10%Imax) 692.678	—
(20%Imax) 1385.36	—
(30%Imax) 2078.03	—
(40%Imax) 2770.71	—
(50%Imax) 3463.39	—
(60%Imax) 4156.07	—
(70%Imax) 4848.75	—
(80%Imax) 5541.43	—
(90%Imax) 6234.1	—



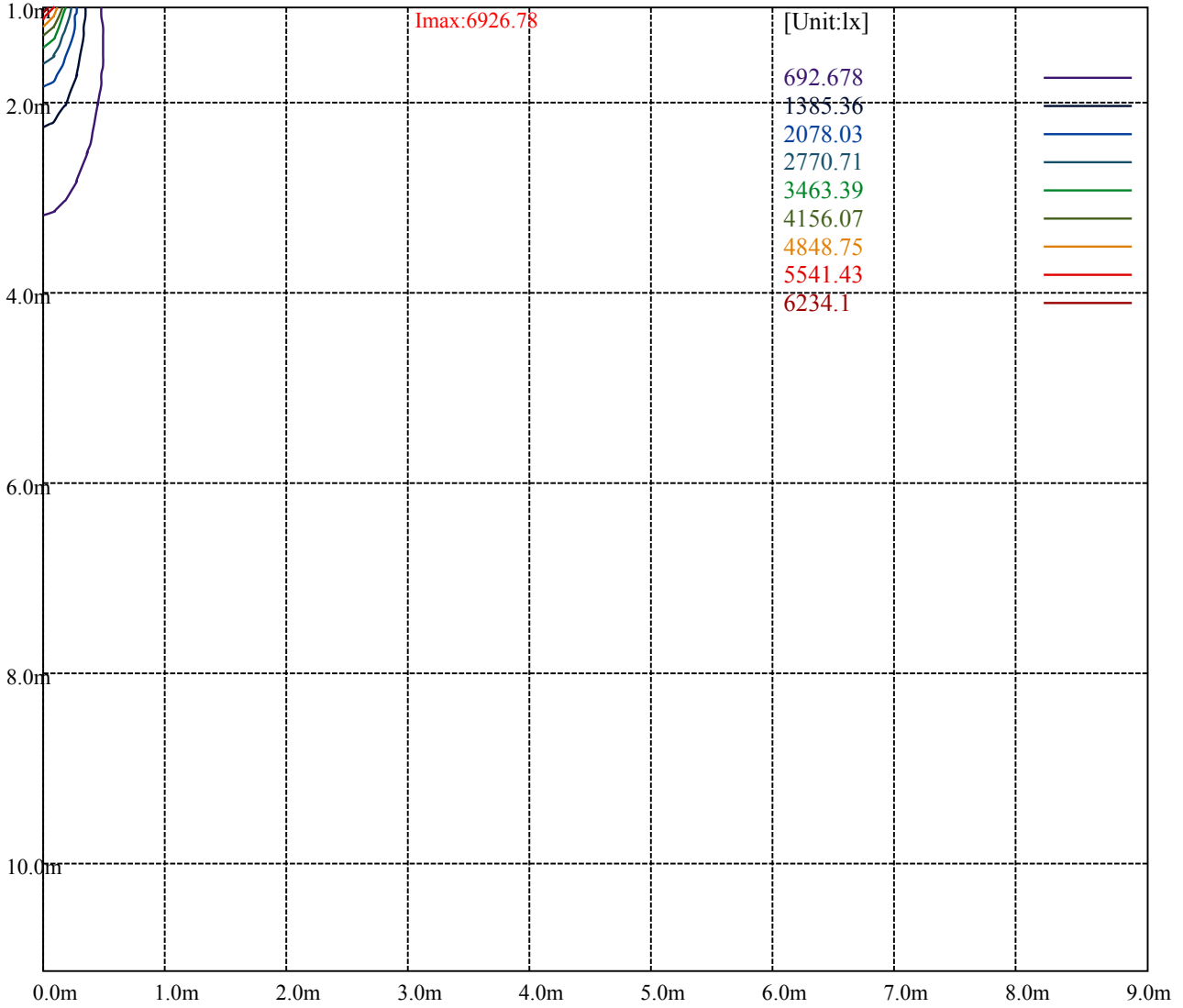
House

[Unit:cd]

Road

Imax:6926.78

(10%Imax) 692.678	—
(20%Imax) 1385.36	—
(30%Imax) 2078.03	—
(40%Imax) 2770.71	—
(50%Imax) 3463.39	—
(60%Imax) 4156.07	—
(70%Imax) 4848.75	—
(80%Imax) 5541.43	—
(90%Imax) 6234.1	—



Luminance Table

γ	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

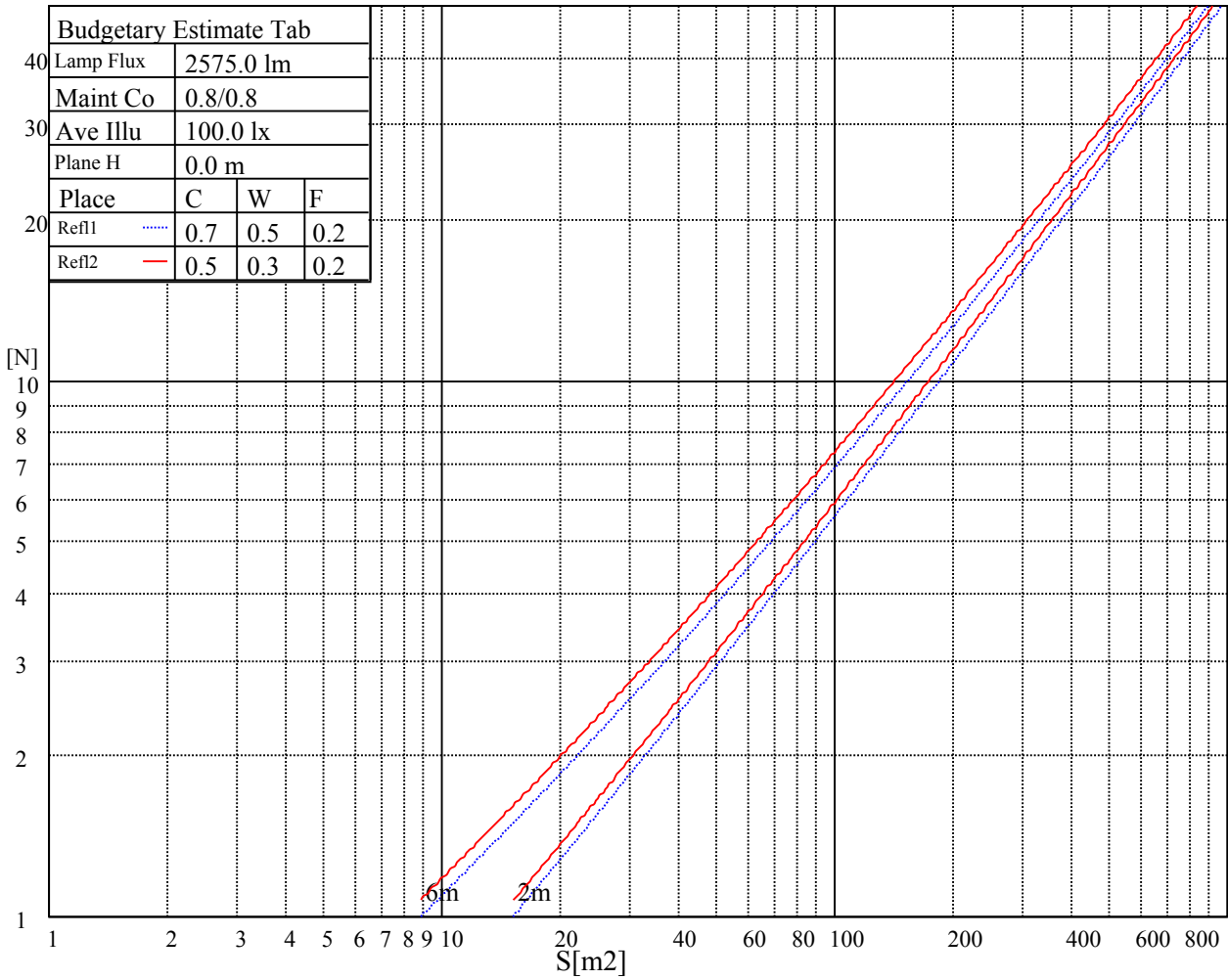
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

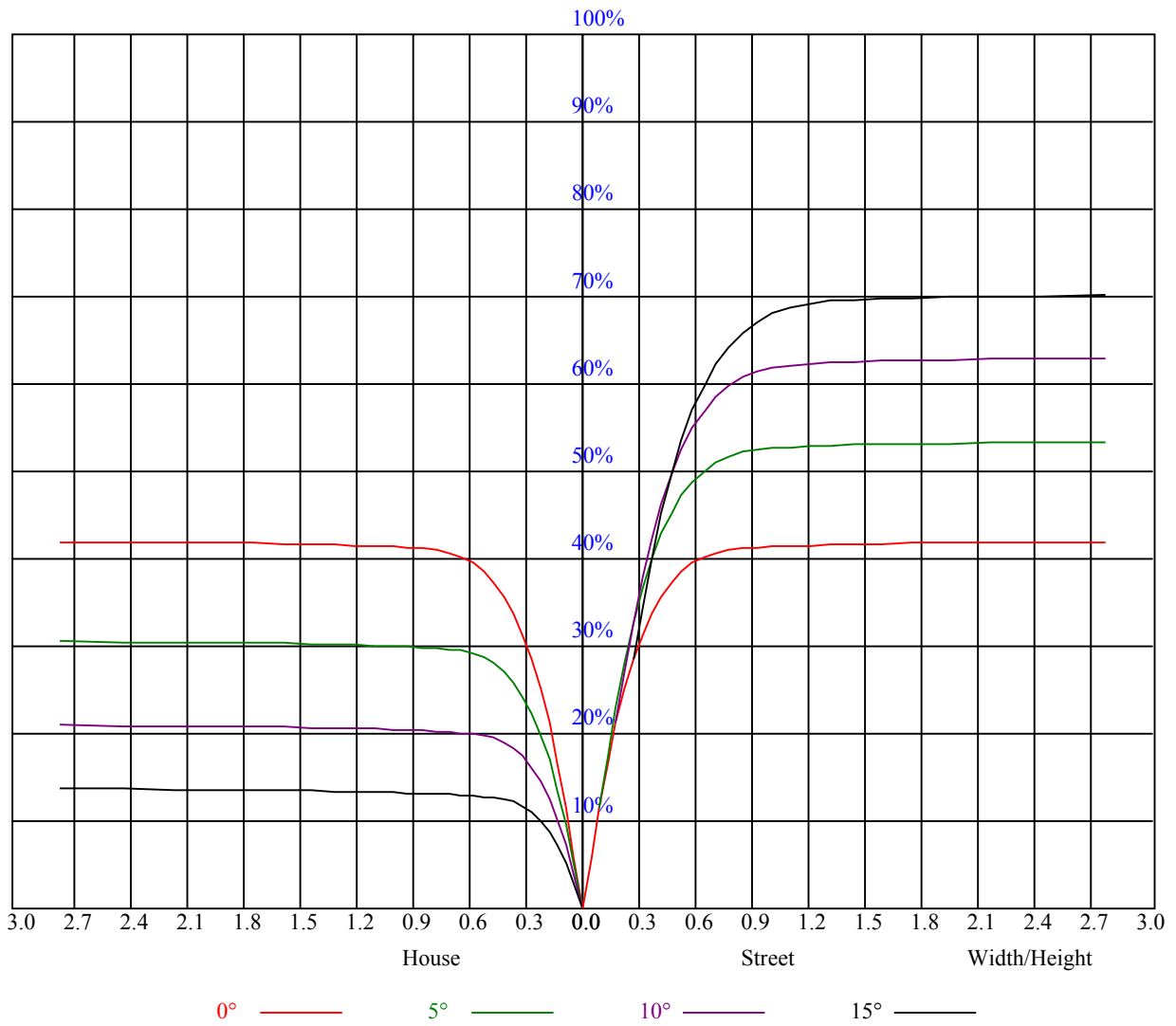


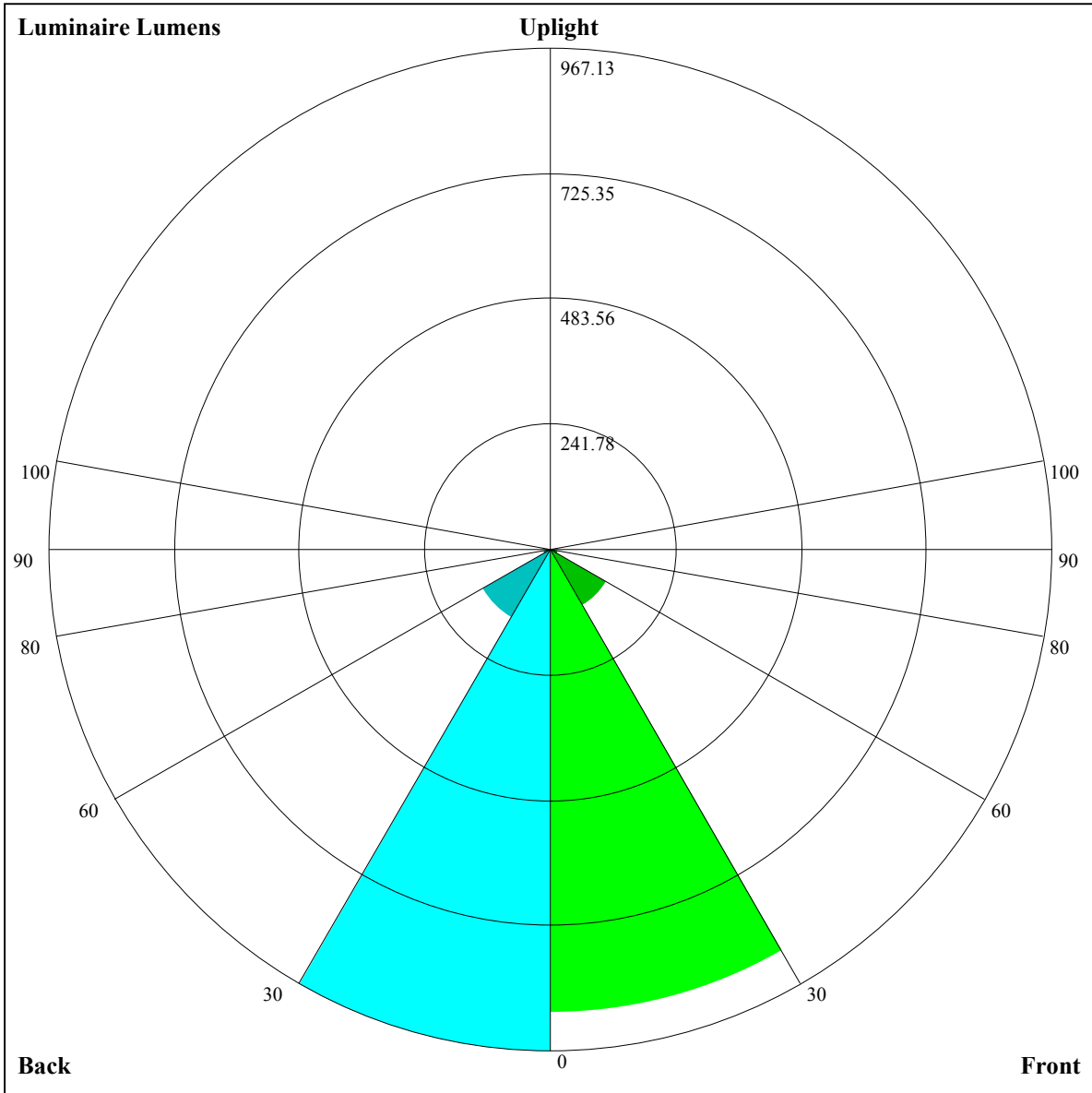
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFc=20 CU															
0	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.92	0.91	0.92	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	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.75	0.79	0.76	0.74	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	0.71	0.75	0.73	0.70	0.74	0.72	0.70	0.69
5	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.62
7	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.58	0.57
9	0.64	0.59	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=894.29,FM=125.22,FH=15.17,FVH=5.45

BL=967.13,BM=152.18,BH=15.69,BVH=5.56

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	6806.23	6614.27	6297.08	5993.93	5672.06	5272.35	4948.72	4621.58	4305.56
45.0	6964.24	6893.42	6735.41	6428.17	6129.71	5818.95	5494.15	5091.52	4768.47
90.0	6940.24	6733.07	6485.52	6212.81	5910.25	5513.46	5188.66	4869.72	4560.13
135.0	6996.42	6975.36	6830.22	6603.74	6273.67	5975.79	5660.35	5341.99	4942.87
180.0	6806.23	6949.61	6987.65	6936.15	6778.13	6479.67	6203.44	5909.08	5579.01
225.0	6964.24	6955.46	6864.16	6682.74	6428.17	6062.40	5752.82	5339.65	5003.73
270.0	6940.24	6992.91	6958.97	6818.51	6626.56	6302.93	5998.61	5686.69	5263.57
315.0	6996.42	6918.00	6728.39	6510.69	6243.82	5933.65	5534.53	5206.22	4871.47
360.0	6806.23	6614.27	6297.08	5993.93	5672.06	5272.35	4948.72	4621.58	4305.56
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3935.70	3645.43	3366.86	3106.43	2813.24	2603.14	2405.33	2182.95	2025.52
45.0	4455.96	4087.86	3794.07	3514.33	3177.83	2930.87	2704.97	2442.20	2259.03
90.0	4182.66	3881.86	3593.34	3250.98	3001.68	2717.26	2507.16	2320.48	2156.61
135.0	4637.38	4330.14	4026.99	3661.23	3382.07	3121.06	2823.18	2609.58	2368.46
180.0	5167.01	4849.82	4541.99	4156.33	3843.23	3548.86	3219.38	2975.34	2737.16
225.0	4680.10	4294.44	3996.56	3703.36	3429.48	3103.51	2865.32	2645.28	2443.96
270.0	4930.58	4609.88	4303.80	3929.26	3637.82	3366.27	3104.09	2805.63	2587.92
315.0	4543.75	4151.64	3860.20	3572.27	3300.14	2985.88	2751.20	2490.19	2368.92
360.0	3935.70	3645.43	3366.86	3106.43	2813.24	2603.14	2405.33	2182.95	2025.52
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1880.39	1717.69	1597.72	1460.78	1292.24	1160.97	1160.97	1043.57	948.88
45.0	2098.68	1950.61	1783.24	1660.93	1549.73	1444.98	1319.74	1223.18	1126.62
90.0	1972.27	1836.49	1710.09	1594.21	1460.19	1292.24	1166.24	1166.24	1050.77
135.0	2201.09	2048.93	1909.65	1750.47	1636.35	1527.50	1427.42	1304.53	1210.30
180.0	2478.49	2304.67	2136.13	1945.93	1813.67	1693.11	1553.83	1452.59	1359.54
225.0	2216.31	2054.78	1908.48	1744.61	1627.57	1521.06	1395.23	1159.33	1159.33
270.0	2381.92	2171.24	2005.04	1857.56	1698.38	1579.58	1473.07	1350.17	1257.71
315.0	2131.45	1936.57	1796.11	1669.71	1525.15	1418.64	1153.60	1153.60	1107.07
360.0	1880.39	1717.69	1597.72	1460.78	1292.24	1160.97	1160.97	1043.57	948.88
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	855.48	761.44	669.09	557.08	473.04	398.07	317.78	260.19	208.57
45.0	1008.40	913.01	798.31	705.84	617.47	530.86	430.20	359.97	298.52
90.0	957.55	865.31	749.97	658.50	570.18	464.49	389.06	323.80	250.13
135.0	1114.91	999.62	905.99	811.18	694.72	602.84	516.23	417.32	347.10
180.0	1266.49	1175.19	1062.83	970.95	850.39	755.00	660.19	571.24	464.73
225.0	1092.85	1002.26	906.69	814.75	697.35	607.41	521.20	441.49	354.24
270.0	1166.41	1075.12	959.83	867.36	771.97	677.75	565.39	480.53	403.28
315.0	1015.07	924.19	831.55	737.21	623.09	534.72	451.97	361.55	299.05
360.0	855.48	761.44	669.09	557.08	473.04	398.07	317.78	260.19	208.57
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	156.02	122.66	90.94	72.45	58.87	49.10	40.61	35.93	32.42
45.0	298.52	176.09	137.64	106.98	83.57	62.97	52.14	42.31	37.16
90.0	199.62	157.25	122.96	91.12	72.80	59.22	49.28	40.56	35.76
135.0	298.52	298.52	163.80	128.11	100.37	75.03	61.33	50.62	42.84
180.0	389.23	323.10	307.89	236.66	152.33	118.45	86.55	68.88	55.89
225.0	292.20	237.07	178.26	139.46	108.44	79.47	63.56	52.14	42.55
270.0	320.76	304.96	234.97	151.98	117.75	91.24	67.77	55.07	45.94
315.0	229.70	182.88	144.02	105.52	82.46	65.49	53.43	43.13	37.63
360.0	156.02	122.66	90.94	72.45	58.87	49.10	40.61	35.93	32.42

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	29.67	27.51	25.40	24.05	22.71	21.95	21.42	21.01	20.83
45.0	33.36	29.73	27.62	25.75	23.94	22.88	22.12	21.48	21.01
90.0	31.49	28.97	26.98	25.05	23.82	22.82	22.00	21.54	21.30
135.0	36.05	32.30	29.44	26.74	25.11	23.70	22.47	21.77	21.24
180.0	44.71	38.62	34.18	30.96	27.92	26.10	24.29	23.12	22.24
225.0	37.34	33.53	30.61	27.80	25.98	24.52	23.35	22.24	21.59
270.0	39.62	34.29	31.19	28.73	26.74	24.81	23.53	22.53	21.59
315.0	33.65	30.61	27.62	25.81	24.29	22.77	21.89	21.19	20.60
360.0	29.67	27.51	25.40	24.05	22.71	21.95	21.42	21.01	20.83
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.89	21.24	21.59	22.00	22.30	22.24	21.83	21.07	20.01
45.0	20.83	20.83	21.01	21.36	21.71	22.12	22.12	21.89	21.01
90.0	21.24	21.42	21.71	22.00	22.41	22.59	22.30	21.59	20.54
135.0	21.01	20.89	21.07	21.24	21.71	22.00	22.18	22.06	21.36
180.0	21.59	21.07	20.89	20.83	21.07	21.30	21.65	22.06	22.12
225.0	21.13	21.01	21.01	21.24	21.54	21.89	22.18	22.18	21.89
270.0	21.07	20.83	20.78	20.89	21.24	21.65	22.06	22.30	22.12
315.0	20.42	20.37	20.60	20.95	21.30	21.77	22.00	21.83	21.36
360.0	20.89	21.24	21.59	22.00	22.30	22.24	21.83	21.07	20.01
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.43	17.09	15.98	14.92	14.34	13.81	13.40	13.11	12.82
45.0	20.01	18.73	17.50	16.04	15.16	14.46	13.99	13.52	13.17
90.0	19.37	17.67	16.44	15.51	14.81	14.10	13.69	13.34	13.11
135.0	20.48	19.37	17.79	16.62	15.39	14.63	14.05	13.58	13.23
180.0	21.83	21.24	20.01	18.84	17.56	16.09	15.22	14.57	13.87
225.0	21.19	19.84	18.61	17.32	16.21	15.22	14.57	14.22	14.05
270.0	21.71	20.78	19.61	17.97	16.74	15.68	14.75	14.16	13.75
315.0	20.42	19.02	17.67	16.15	15.22	14.46	13.75	13.34	12.99
360.0	18.43	17.09	15.98	14.92	14.34	13.81	13.40	13.11	12.82
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.52	12.35	12.11	11.94	11.65	11.41	11.18	10.94	10.65
45.0	12.87	12.70	12.47	12.23	12.00	11.76	11.59	11.29	11.00
90.0	12.82	12.58	12.41	12.17	12.00	11.70	11.41	11.18	10.94
135.0	12.93	12.70	12.52	12.23	12.06	11.82	11.59	11.35	11.12
180.0	13.52	13.28	12.93	12.70	12.47	12.29	12.06	11.82	11.59
225.0	13.58	13.05	12.76	12.52	12.35	12.11	11.88	11.65	11.41
270.0	13.34	13.05	12.82	12.58	12.35	12.17	11.94	11.70	11.47
315.0	12.64	12.47	12.23	12.00	11.82	11.59	11.35	11.18	10.89
360.0	12.52	12.35	12.11	11.94	11.65	11.41	11.18	10.94	10.65
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.48	10.24	10.07	9.95	9.66	9.54	9.42	9.36	9.31
45.0	10.71	10.42	10.24	10.07	9.95	9.66	9.54	9.42	9.31
90.0	10.65	10.48	10.24	10.07	9.83	9.66	9.48	9.36	9.31
135.0	10.83	10.59	10.36	10.24	10.01	9.83	9.66	9.48	9.36
180.0	11.35	11.06	10.77	10.53	10.36	10.18	9.95	9.71	9.54
225.0	11.18	10.89	10.59	10.42	10.18	9.89	9.66	9.54	9.36
270.0	11.24	10.94	10.71	10.53	10.24	10.07	9.77	9.60	9.42
315.0	10.71	10.48	10.30	10.12	9.95	9.83	9.60	9.48	9.36
360.0	10.48	10.24	10.07	9.95	9.66	9.54	9.42	9.36	9.31

Intensity data(cd)

C/ γ (°)	90.0
0.0	9.31
45.0	9.31
90.0	9.31
135.0	9.36
180.0	9.48
225.0	9.31
270.0	9.36
315.0	9.36
360.0	9.31