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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.412.00

Report No: 2024301-B022

Ballast type: AC

Test No: 2024301-C022

Voltage(V): 33.950

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 17.993

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2150.07, Efficiency(%): 83.50% , Luminous Efficacy(lm/W): 119.49

Central intensity(cd): 8346.903, Maximum intensity(cd): 8346.903

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.4

[C90/270]Total=22.4

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.0

Maximum s/h(1/2): C0_180=0.38 C90_270=0.38

Maximum s/h(1/4): C0_180=0.43 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.50%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.850%

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	8346.903	0.000	0	0.00%	0.00%
1.0	8281.577	7.956	7.956	0.31%	0.37%
2.0	8108.424	23.524	31.481	0.91%	1.46%
3.0	7837.465	38.137	69.618	1.48%	3.24%
4.0	7475.942	51.259	120.877	1.99%	5.62%
5.0	7017.199	62.349	183.226	2.42%	8.52%
6.0	6571.989	71.415	254.641	2.77%	11.84%
7.0	6109.149	78.712	333.352	3.06%	15.50%
8.0	5624.437	83.975	417.327	3.26%	19.41%
9.0	5140.236	87.242	504.569	3.39%	23.47%
10.0	4667.886	88.760	593.329	3.45%	27.60%
11.0	4270.153	89.309	682.638	3.47%	31.75%
12.0	3841.183	88.669	771.307	3.44%	35.87%
13.0	3487.487	86.973	858.28	3.38%	39.92%
14.0	3157.786	85.059	943.339	3.30%	43.87%
15.0	2855.591	82.554	1025.893	3.21%	47.71%
16.0	2569.489	79.493	1105.386	3.09%	51.41%
17.0	2337.886	76.421	1181.807	2.97%	54.97%
18.0	2133.057	73.716	1255.523	2.86%	58.39%
19.0	1942.420	70.905	1326.428	2.75%	61.69%
20.0	1776.875	68.073	1394.501	2.64%	64.86%
21.0	1598.725	64.818	1459.32	2.52%	67.87%
22.0	1452.448	61.315	1520.634	2.38%	70.72%
23.0	1331.994	58.425	1579.059	2.27%	73.44%
24.0	1209.887	55.575	1634.634	2.16%	76.03%
25.0	1103.925	52.611	1687.245	2.04%	78.47%
26.0	1000.976	49.686	1736.931	1.93%	80.78%
27.0	886.440	46.176	1783.107	1.79%	82.93%
28.0	778.283	42.147	1825.255	1.64%	84.89%
29.0	661.531	37.670	1862.924	1.46%	86.64%
30.0	562.182	33.040	1895.964	1.28%	88.18%
31.0	464.522	28.572	1924.536	1.11%	89.51%
32.0	378.867	24.162	1948.698	0.94%	90.63%
33.0	308.809	20.259	1968.957	0.79%	91.58%
34.0	240.549	16.625	1985.582	0.65%	92.35%
35.0	194.500	13.511	1999.094	0.52%	92.98%
36.0	168.355	11.553	2010.647	0.45%	93.52%
37.0	119.613	9.392	2020.039	0.36%	93.95%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	104.799	7.491	2027.529	0.29%	94.30%
39.0	92.714	6.742	2034.271	0.26%	94.61%
40.0	83.409	6.143	2040.414	0.24%	94.90%
41.0	74.675	5.629	2046.043	0.22%	95.16%
42.0	67.067	5.150	2051.193	0.20%	95.40%
43.0	60.563	4.728	2055.92	0.18%	95.62%
44.0	55.048	4.363	2060.284	0.17%	95.82%
45.0	50.007	4.037	2064.321	0.16%	96.01%
46.0	45.472	3.734	2068.055	0.15%	96.19%
47.0	41.675	3.466	2071.521	0.13%	96.35%
48.0	38.383	3.236	2074.758	0.13%	96.50%
49.0	35.574	3.037	2077.795	0.12%	96.64%
50.0	32.970	2.858	2080.653	0.11%	96.77%
51.0	30.951	2.704	2083.357	0.11%	96.90%
52.0	29.144	2.579	2085.936	0.10%	97.02%
53.0	27.652	2.471	2088.406	0.10%	97.13%
54.0	26.320	2.379	2090.785	0.09%	97.24%
55.0	25.128	2.297	2093.082	0.09%	97.35%
56.0	24.221	2.230	2095.312	0.09%	97.45%
57.0	23.453	2.180	2097.492	0.08%	97.55%
58.0	22.860	2.142	2099.633	0.08%	97.65%
59.0	22.363	2.114	2101.747	0.08%	97.75%
60.0	21.961	2.094	2103.841	0.08%	97.85%
61.0	21.646	2.081	2105.922	0.08%	97.95%
62.0	21.185	2.064	2107.986	0.08%	98.04%
63.0	20.636	2.034	2110.02	0.08%	98.14%
64.0	19.963	1.992	2112.013	0.08%	98.23%
65.0	19.247	1.940	2113.953	0.08%	98.32%
66.0	18.449	1.881	2115.834	0.07%	98.41%
67.0	17.879	1.827	2117.66	0.07%	98.49%
68.0	17.418	1.788	2119.448	0.07%	98.58%
69.0	17.067	1.759	2121.208	0.07%	98.66%
70.0	16.811	1.740	2122.948	0.07%	98.74%
71.0	16.650	1.729	2124.677	0.07%	98.82%
72.0	16.481	1.723	2126.4	0.07%	98.90%
73.0	16.167	1.707	2128.107	0.07%	98.98%
74.0	15.867	1.684	2129.791	0.07%	99.06%
75.0	15.450	1.655	2131.446	0.06%	99.13%

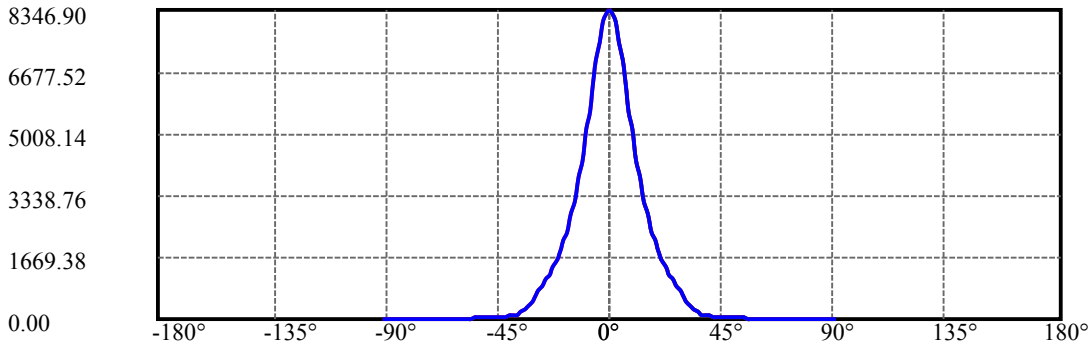
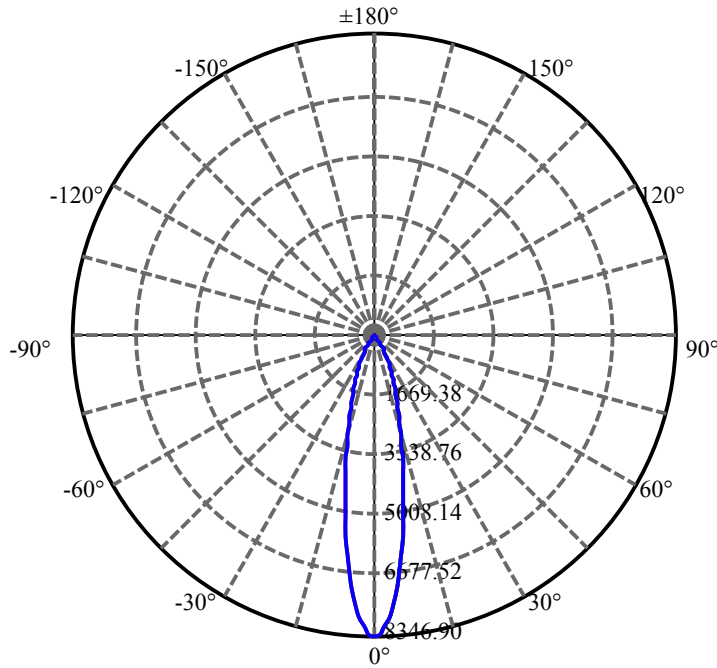
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.879	1.610	2133.056	0.06%	99.21%
77.0	14.272	1.554	2134.61	0.06%	99.28%
78.0	13.577	1.491	2136.101	0.06%	99.35%
79.0	12.707	1.412	2137.513	0.05%	99.42%
80.0	11.858	1.324	2138.837	0.05%	99.48%
81.0	11.375	1.256	2140.094	0.05%	99.54%
82.0	11.053	1.216	2141.31	0.05%	99.59%
83.0	10.746	1.185	2142.495	0.05%	99.65%
84.0	10.454	1.155	2143.65	0.04%	99.70%
85.0	10.132	1.124	2144.774	0.04%	99.75%
86.0	9.898	1.095	2145.868	0.04%	99.80%
87.0	9.700	1.073	2146.941	0.04%	99.85%
88.0	9.525	1.053	2147.994	0.04%	99.90%
89.0	9.444	1.040	2149.034	0.04%	99.95%
90.0	9.400	1.033	2150.067	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1895.96	73.63%	88.18%
0-40	2040.41	79.24%	94.90%
0-60	2103.84	81.70%	97.85%
0-90	2149.03	83.46%	99.95%
0-120	2149.03	83.46%	99.95%
0-180	2150.07	83.50%	100.00%
60-90	45.19	1.76%	2.10%
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%
0-25.66	1720.05	66.80%	80.00%

ZONAL LUMEN SUMMARY

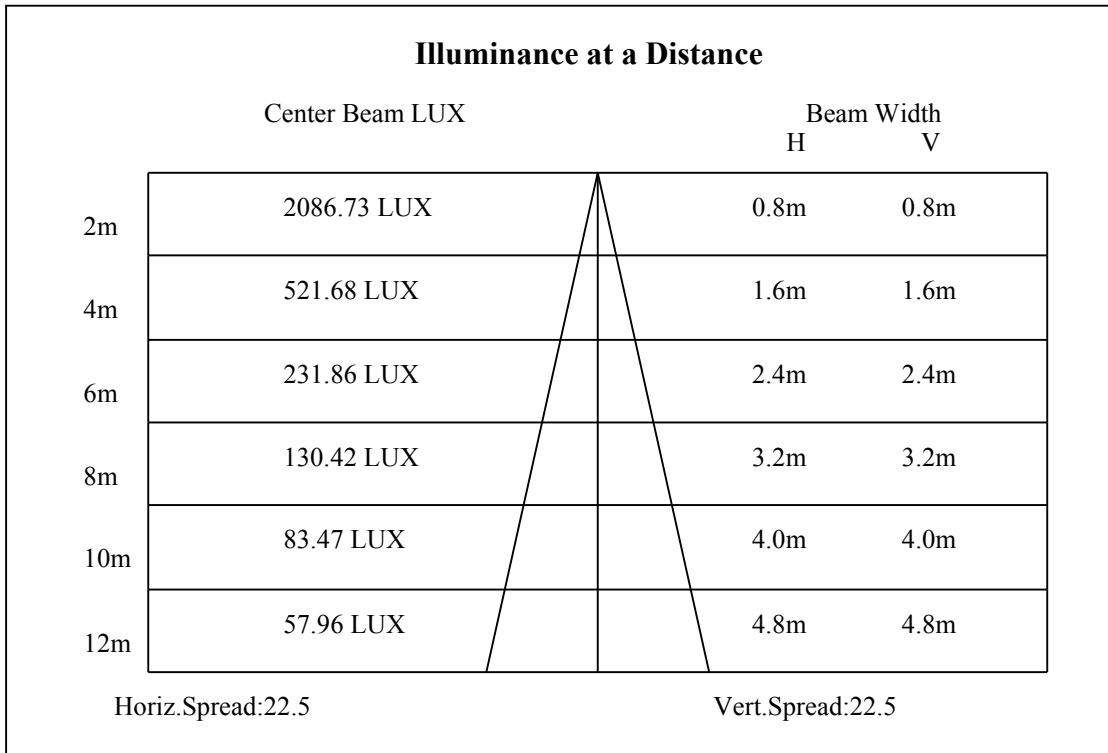
0-10	593.33
10-20	801.17
20-30	501.46
30-40	144.45
40-50	40.24
50-60	23.19
60-70	19.11
70-80	15.89
80-90	10.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

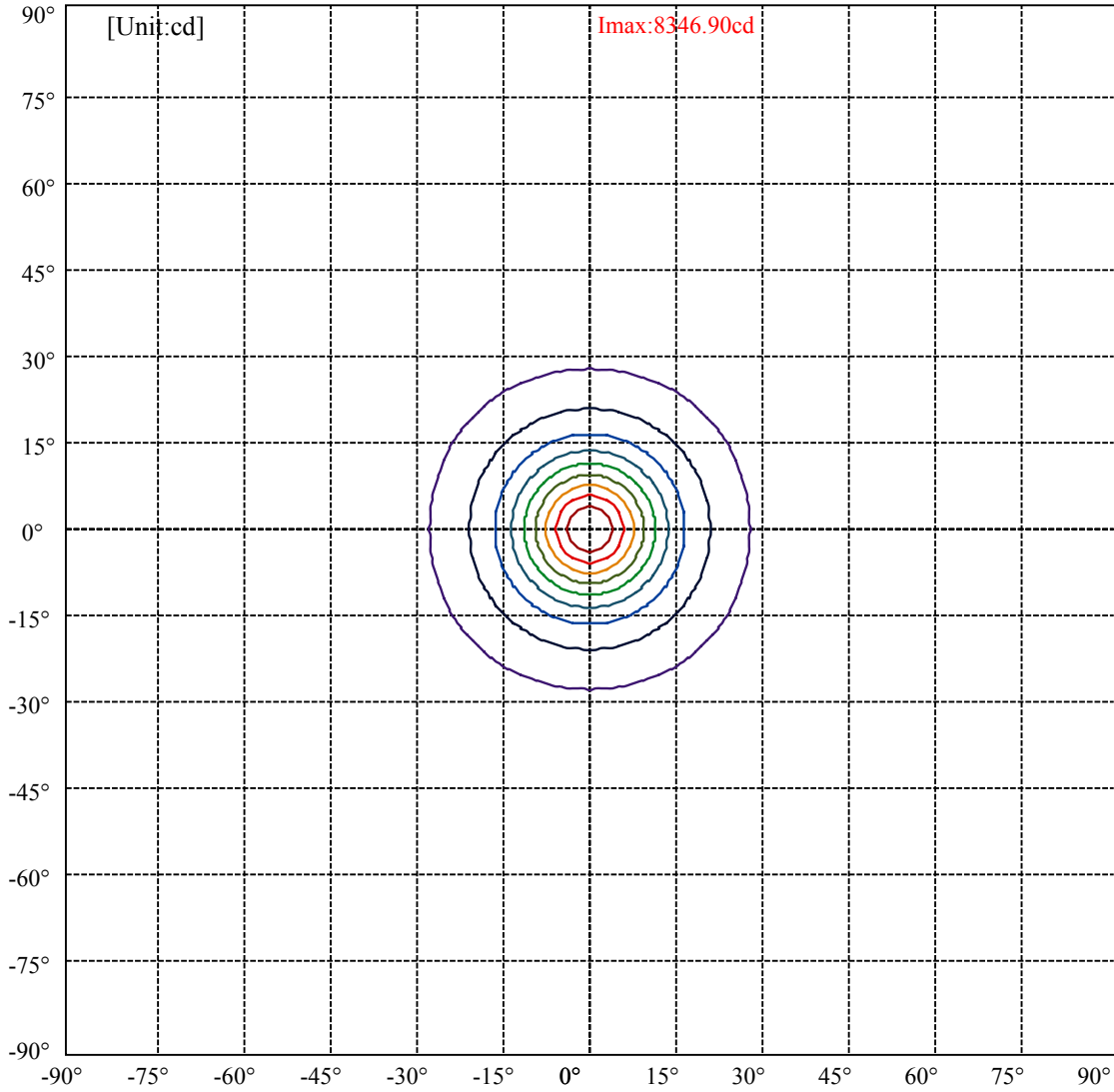


C0(Max): ———
C0/C180: ———
C90/C270: ———

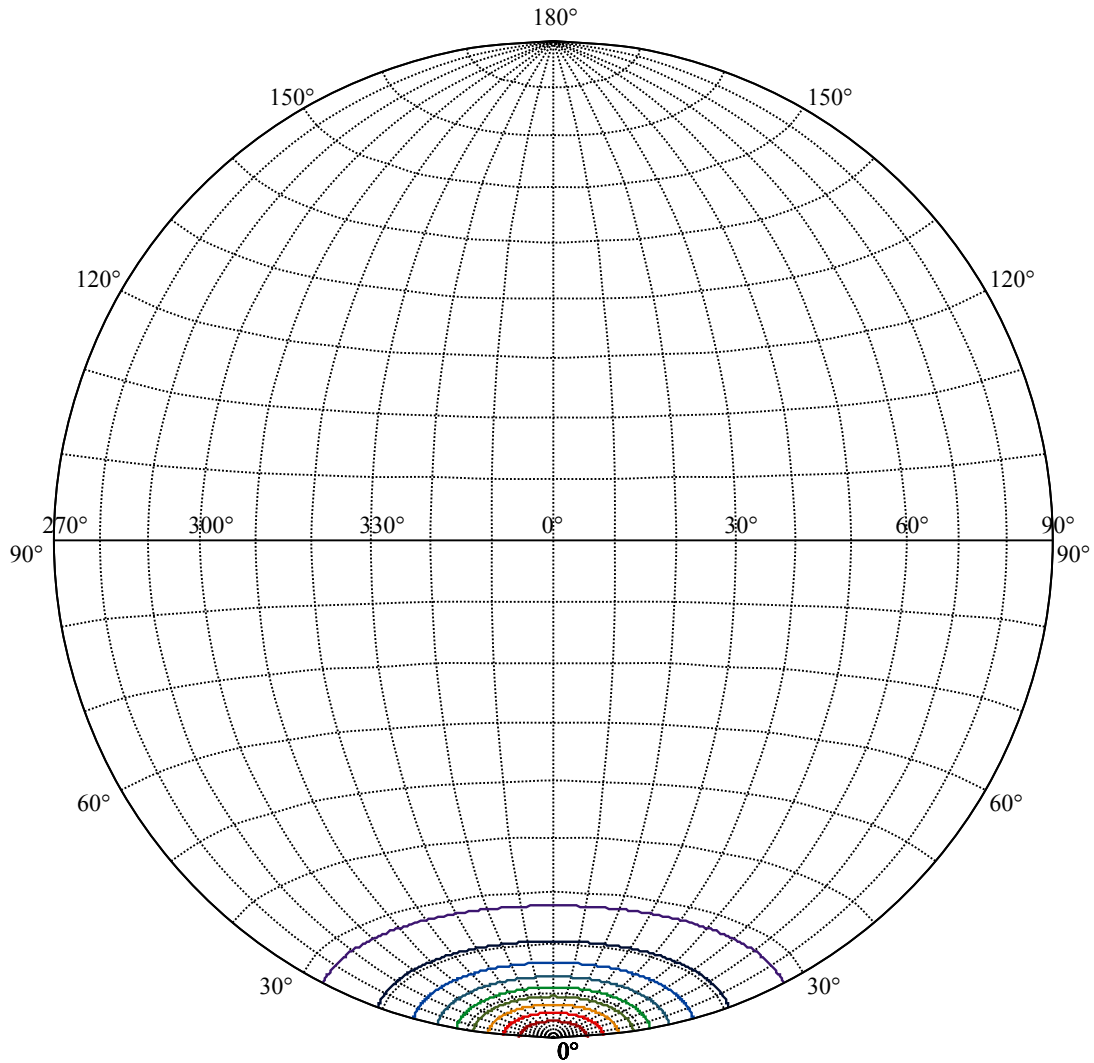
Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:11.2 Right:11.2
:C90/270Left:11.2 Right:11.2





(10%Imax) 834.69	—
(20%Imax) 1669.38	—
(30%Imax) 2504.07	—
(40%Imax) 3338.76	—
(50%Imax) 4173.45	—
(60%Imax) 5008.14	—
(70%Imax) 5842.83	—
(80%Imax) 6677.52	—
(90%Imax) 7512.21	—



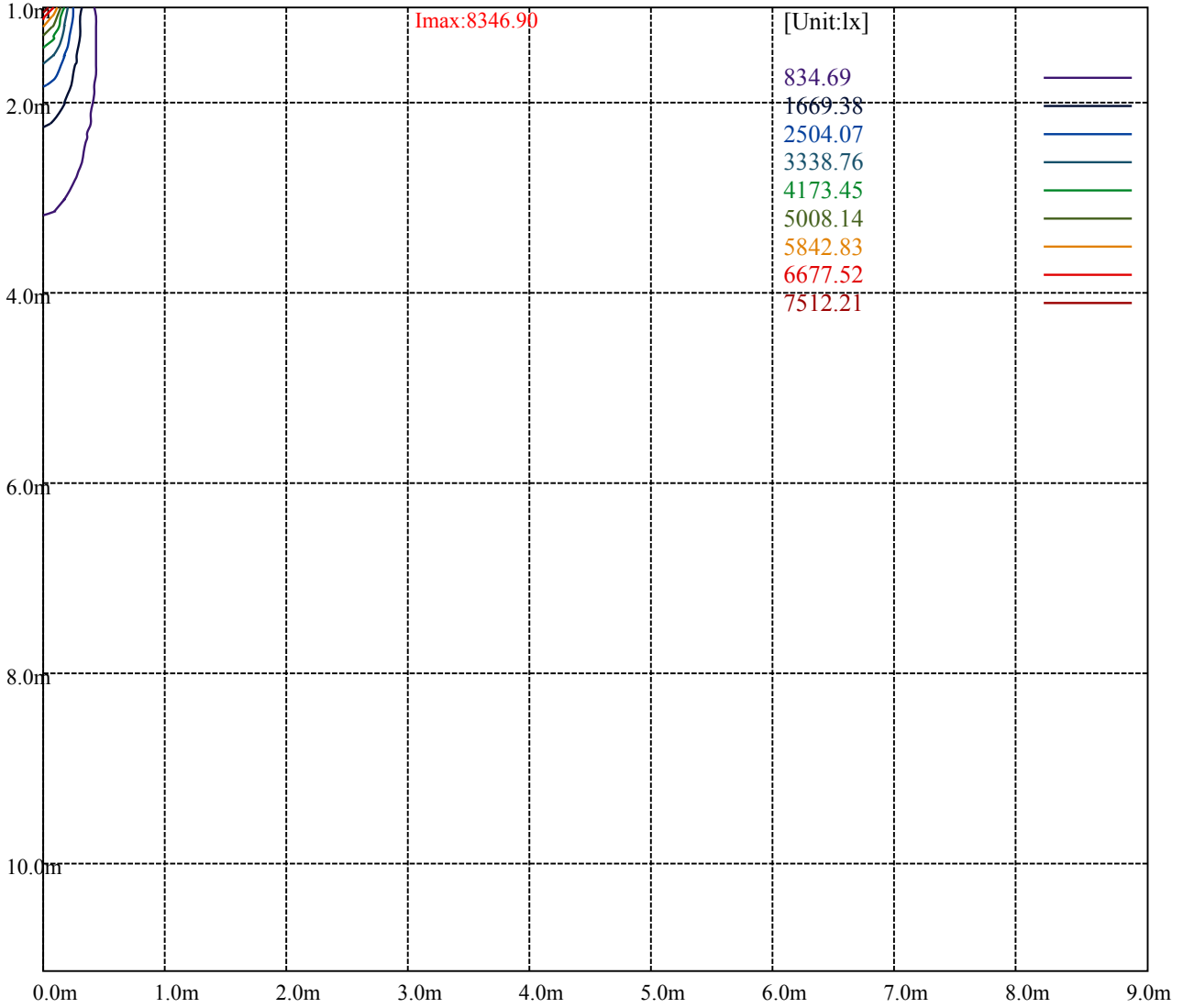
House

[Unit:cd]

Road

Imax:8346.90

(10%Imax)	834.69	—
(20%Imax)	1669.38	—
(30%Imax)	2504.07	—
(40%Imax)	3338.76	—
(50%Imax)	4173.45	—
(60%Imax)	5008.14	—
(70%Imax)	5842.83	—
(80%Imax)	6677.52	—
(90%Imax)	7512.21	—



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

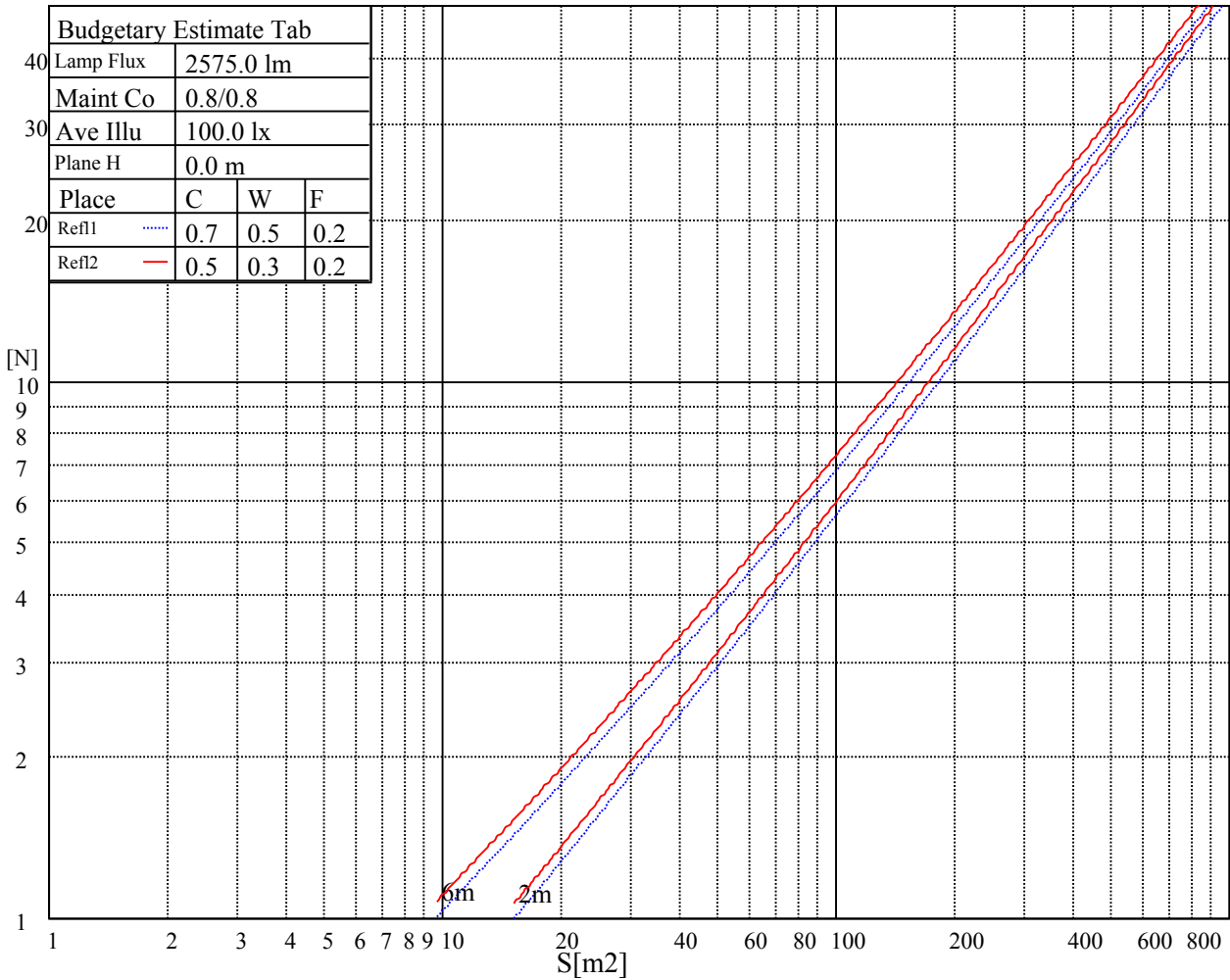
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

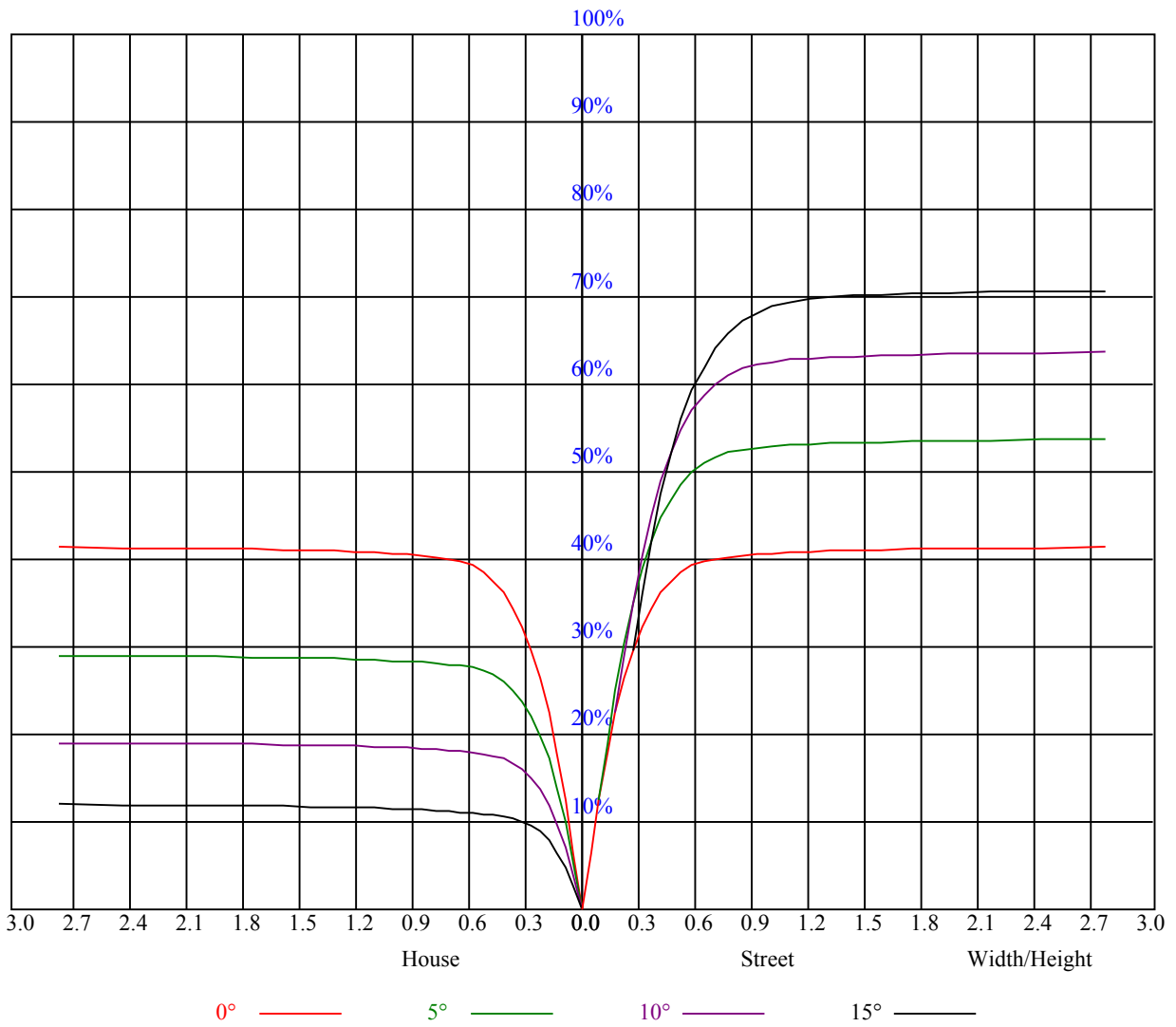


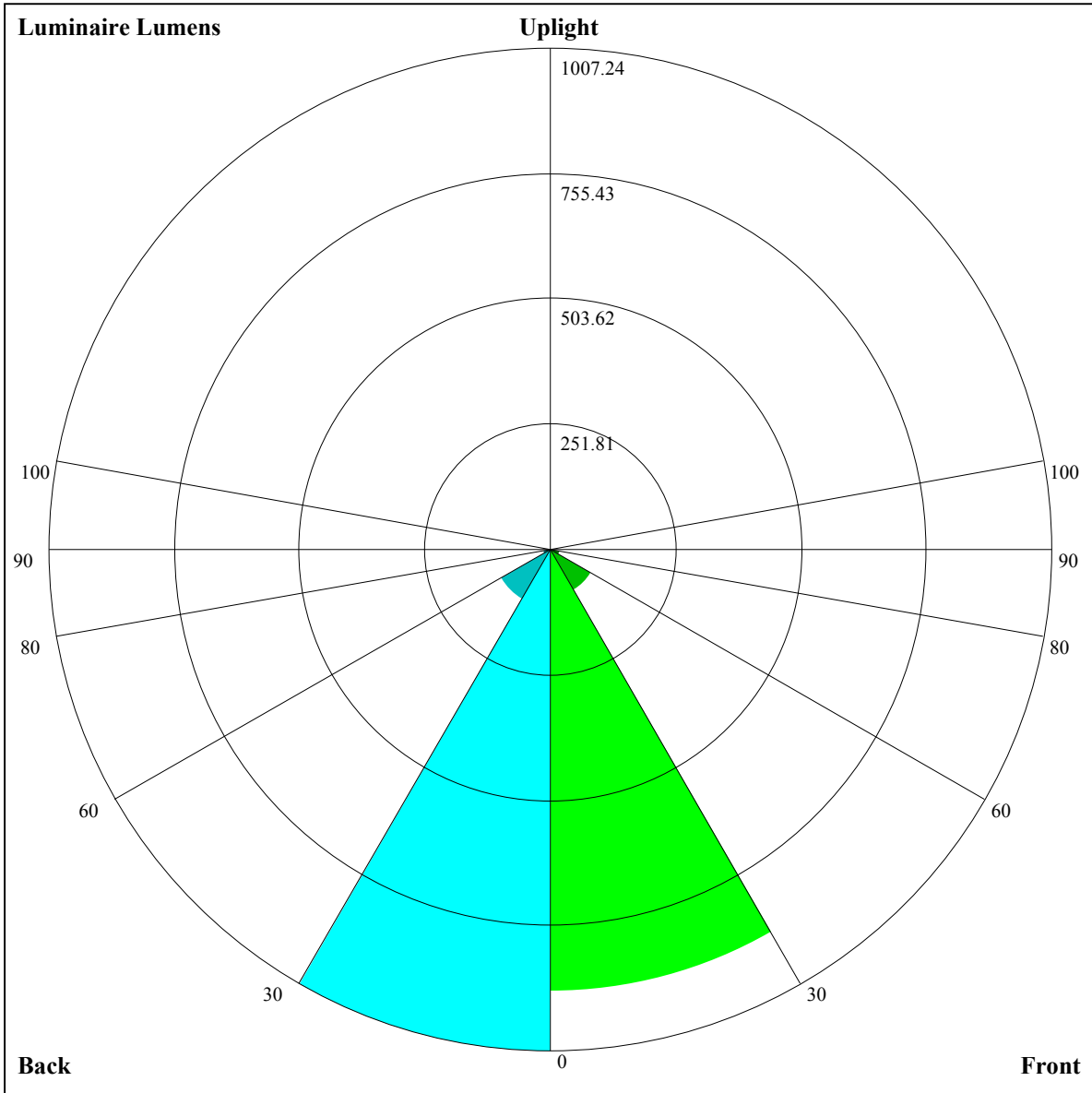
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.90	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.77	0.75
3	0.83	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	0.76	0.75	0.73	0.72
4	0.79	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
9	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.57	0.57
10	0.62	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.60	0.58	0.56	0.55





Luminaire Lumens:

FL=887.43,FM=93.81,FH=17.93,FVH=5.57

BL=1007.24,BM=116.78,BH=17.3,BVH=5.67

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	8178.58	7783.55	7386.18	6942.00	6469.14	5896.20	5443.82	5001.98	4581.20
45.0	8393.94	8206.08	7918.15	7547.12	6998.18	6531.75	6065.33	5614.12	5169.94
90.0	8318.45	8099.57	7701.03	7302.50	6848.36	6281.28	5823.63	5373.59	4822.31
135.0	8480.55	8452.46	8319.03	8014.71	7660.07	7124.59	6669.28	6212.81	5638.12
180.0	8178.58	8382.82	8502.79	8470.02	8331.32	8019.40	7674.70	7259.19	6783.99
225.0	8426.13	8488.16	8429.64	8216.03	7936.88	7474.55	7042.66	6576.23	6101.03
270.0	8318.45	8440.17	8455.97	8352.39	8086.70	7762.48	7378.58	6831.39	6359.11
315.0	8480.55	8399.79	8154.58	7854.95	7476.89	7047.34	6477.91	6003.88	5539.80
360.0	8178.58	7783.55	7386.18	6942.00	6469.14	5896.20	5443.82	5001.98	4581.20
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4087.27	3722.67	3386.17	3004.02	2741.25	2505.41	2247.32	2065.32	1868.68
45.0	4638.55	4240.60	3875.42	3447.62	3136.86	2852.45	2541.69	2325.74	2091.65
90.0	4407.39	3929.26	3573.44	3249.81	2957.79	2634.16	2406.50	2204.60	2030.79
135.0	5191.00	4759.69	4348.28	3874.83	3521.94	3197.73	2905.12	2579.73	2356.17
180.0	6189.40	5735.85	5286.98	4833.43	4317.26	3938.62	3582.81	3174.90	2876.44
225.0	5631.68	5066.35	4640.31	4240.60	3868.98	3444.11	3131.60	2783.39	2538.76
270.0	5892.10	5341.41	4898.39	4379.30	3988.37	3621.43	3297.80	2929.11	2660.49
315.0	5084.49	4547.26	4152.23	3699.85	3367.44	3068.39	2731.89	2493.12	2280.10
360.0	4087.27	3722.67	3386.17	3004.02	2741.25	2505.41	2247.32	2065.32	1868.68
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1726.47	1587.19	1453.17	1158.04	1158.04	1107.30	996.81	860.05	750.96
45.0	1929.55	1780.90	1641.61	1470.14	1351.34	1248.93	1151.78	1010.16	898.96
90.0	1835.91	1692.53	1555.59	1390.55	1157.28	1157.28	1077.22	939.75	827.51
135.0	2161.88	1945.35	1792.60	1619.38	1485.36	1358.37	1253.03	1130.71	1020.11
180.0	2611.33	2336.86	2130.86	1957.05	1764.51	1623.47	1490.63	1340.22	1240.74
225.0	2322.23	2084.63	1919.01	1766.85	1589.53	1452.00	1161.96	1161.96	1136.92
270.0	2431.08	2232.11	1991.58	1837.08	1691.94	1552.08	1391.14	1282.29	1159.97
315.0	2046.01	1879.80	1730.57	1590.70	1421.57	1156.52	1156.52	1106.25	972.64
360.0	1726.47	1587.19	1453.17	1158.04	1158.04	1107.30	996.81	860.05	750.96
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	646.09	549.82	439.62	358.27	263.23	198.86	152.63	123.13	110.14
45.0	783.09	652.00	556.61	467.07	364.07	307.30	307.30	155.26	129.22
90.0	693.78	595.00	502.65	417.85	318.66	247.43	189.50	147.65	122.31
135.0	903.06	793.04	663.70	568.31	478.77	374.02	300.86	300.86	218.23
180.0	1147.10	1045.86	908.33	795.38	690.04	590.55	473.51	387.48	307.89
225.0	1001.32	889.54	782.45	652.12	553.68	462.39	378.06	283.37	217.29
270.0	1054.05	945.20	808.84	702.91	602.26	506.86	398.01	319.01	300.28
315.0	863.03	755.82	630.05	535.54	445.47	343.53	270.61	207.64	150.64
360.0	646.09	549.82	439.62	358.27	263.23	198.86	152.63	123.13	110.14
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.43	88.31	77.19	69.52	62.97	57.35	51.09	46.76	42.96
45.0	115.46	100.83	90.77	81.99	74.15	65.66	59.99	54.84	50.21
90.0	110.02	99.08	87.32	79.18	70.11	63.91	58.52	53.49	48.11
135.0	131.85	117.86	105.75	92.93	84.27	74.38	67.71	61.86	56.53
180.0	307.89	164.97	134.43	115.64	103.70	93.34	82.28	74.32	67.30
225.0	156.26	132.67	118.92	103.64	93.40	84.16	73.91	66.89	60.69
270.0	300.28	140.28	122.90	110.31	98.96	86.79	78.19	68.82	62.21
315.0	126.64	112.89	101.13	88.49	79.71	71.81	64.84	57.53	52.38
360.0	98.43	88.31	77.19	69.52	62.97	57.35	51.09	46.76	42.96

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	38.92	36.17	33.88	31.49	29.79	28.44	26.98	25.93	25.05
45.0	45.18	41.73	38.68	35.41	33.24	30.90	29.38	28.09	26.98
90.0	44.30	40.91	37.28	34.82	32.66	30.90	29.03	27.74	26.63
135.0	50.62	46.47	42.78	39.50	35.82	33.36	31.31	29.55	27.80
180.0	61.33	54.72	49.98	45.82	42.08	38.10	35.35	32.30	30.37
225.0	55.25	50.33	45.00	41.38	38.10	34.65	32.30	30.20	28.09
270.0	56.53	50.33	45.94	42.25	38.92	35.46	33.12	31.13	29.38
315.0	47.93	43.13	39.85	36.40	34.00	31.95	30.14	28.21	26.92
360.0	38.92	36.17	33.88	31.49	29.79	28.44	26.98	25.93	25.05
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.29	23.35	22.88	22.47	22.30	22.06	21.77	21.36	20.42
45.0	25.63	24.81	24.11	23.53	22.94	22.71	22.47	22.24	21.65
90.0	25.52	24.58	23.82	23.06	22.77	22.53	22.12	21.77	21.30
135.0	26.57	25.28	24.29	23.58	22.77	22.12	21.89	21.65	21.13
180.0	28.56	26.69	25.46	24.46	23.58	22.65	22.00	21.54	21.13
225.0	26.69	25.22	24.23	23.35	22.59	22.00	21.48	21.19	21.07
270.0	27.51	26.28	25.16	24.05	23.35	22.71	22.06	21.77	21.54
315.0	25.81	24.81	23.82	23.12	22.59	22.12	21.89	21.65	21.24
360.0	24.29	23.35	22.88	22.47	22.30	22.06	21.77	21.36	20.42
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.37	18.73	17.73	17.50	17.67	18.02	18.61	18.90	19.20
45.0	20.95	19.78	18.96	18.14	17.56	17.38	17.67	18.02	18.73
90.0	20.31	19.20	18.67	18.32	18.32	18.84	19.43	19.43	19.31
135.0	20.72	20.13	19.20	18.08	17.38	16.44	15.63	15.04	14.46
180.0	20.95	20.66	20.37	19.72	18.73	17.91	16.80	16.15	15.33
225.0	20.72	20.31	19.72	18.55	17.85	16.91	16.09	15.57	15.22
270.0	21.24	20.89	20.48	19.25	18.43	17.62	16.74	16.33	16.33
315.0	20.83	20.01	18.84	18.02	17.09	16.21	15.57	15.04	14.63
360.0	19.37	18.73	17.73	17.50	17.67	18.02	18.61	18.90	19.20
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.96	18.55	18.26	17.79	16.56	15.16	14.05	12.41	11.18
45.0	19.37	19.55	19.37	19.02	18.32	17.67	16.09	14.46	12.76
90.0	19.20	18.49	18.08	17.50	16.85	15.98	15.27	13.69	11.70
135.0	14.10	13.81	13.46	13.11	12.87	12.58	12.17	11.88	11.59
180.0	14.75	14.34	14.05	13.69	13.34	13.11	12.76	12.41	12.11
225.0	15.10	14.92	14.51	14.22	13.69	13.23	12.76	12.35	11.88
270.0	16.21	15.80	15.63	14.98	14.46	13.87	13.34	12.64	12.11
315.0	14.16	13.87	13.58	13.28	12.93	12.58	12.17	11.82	11.53
360.0	18.96	18.55	18.26	17.79	16.56	15.16	14.05	12.41	11.18
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.83	10.59	10.42	10.12	9.71	9.60	9.36	9.54	9.48
45.0	11.41	10.94	10.53	10.36	10.01	9.66	9.54	9.25	9.48
90.0	11.06	10.65	10.36	10.07	9.77	9.48	9.54	9.25	9.42
135.0	11.24	11.00	10.77	10.42	10.12	9.83	9.60	9.48	9.31
180.0	11.94	11.65	11.35	10.89	10.53	10.36	10.18	9.89	9.60
225.0	11.59	11.29	10.89	10.59	10.36	10.12	9.83	9.66	9.48
270.0	11.70	11.35	10.94	10.71	10.36	10.18	9.95	9.66	9.48
315.0	11.24	10.94	10.71	10.48	10.18	9.95	9.60	9.48	9.31
360.0	10.83	10.59	10.42	10.12	9.71	9.60	9.36	9.54	9.48

Intensity data(cd)

C/ γ (°)	90.0
0.0	9.48
45.0	9.31
90.0	9.31
135.0	9.36
180.0	9.48
225.0	9.60
270.0	9.31
315.0	9.36
360.0	9.48