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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.412.00

Report No: 2024301-B027

Ballast type: AC

Test No: 2024301-C027

Voltage(V): 0.000

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.000

Lamp flux(lm): 2575.0

Power (W): 0.000

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2136.63, Efficiency(%): 82.98% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 3998.755, Maximum intensity(cd): 3998.755

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.0

[C90/270]Total=43.0

Field angle(10%Imax): [C0/180]Total=66.8

[C90/270]Total=66.8

Maximum s/h(1/2): C0_180=0.69 C90_270=0.69

Maximum s/h(1/4): C0_180=0.68 C90_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.98%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.877%

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	3998.755	0.000	0	0.00%	0.00%
1.0	3997.730	3.826	3.826	0.15%	0.18%
2.0	3990.635	11.466	15.292	0.45%	0.72%
3.0	3976.516	19.055	34.347	0.74%	1.61%
4.0	3949.888	26.532	60.879	1.03%	2.85%
5.0	3909.142	33.809	94.688	1.31%	4.43%
6.0	3861.007	40.834	135.522	1.59%	6.34%
7.0	3791.878	47.501	183.024	1.84%	8.57%
8.0	3719.822	53.760	236.783	2.09%	11.08%
9.0	3627.868	59.549	296.332	2.31%	13.87%
10.0	3528.307	64.761	361.093	2.51%	16.90%
11.0	3417.992	69.408	430.501	2.70%	20.15%
12.0	3298.094	73.416	503.917	2.85%	23.58%
13.0	3167.369	76.729	580.646	2.98%	27.18%
14.0	3032.475	79.357	660.004	3.08%	30.89%
15.0	2896.995	81.402	741.406	3.16%	34.70%
16.0	2761.223	82.909	824.315	3.22%	38.58%
17.0	2639.204	84.099	908.414	3.27%	42.52%
18.0	2505.114	84.819	993.233	3.29%	46.49%
19.0	2360.783	84.657	1077.889	3.29%	50.45%
20.0	2218.061	83.806	1161.695	3.25%	54.37%
21.0	2077.095	82.476	1244.17	3.20%	58.23%
22.0	1935.471	80.634	1324.805	3.13%	62.00%
23.0	1791.798	78.208	1403.013	3.04%	65.66%
24.0	1645.272	75.147	1478.16	2.92%	69.18%
25.0	1455.893	70.514	1548.673	2.74%	72.48%
26.0	1291.314	64.848	1613.521	2.52%	75.52%
27.0	1187.144	60.636	1674.157	2.35%	78.36%
28.0	1057.816	56.838	1730.995	2.21%	81.02%
29.0	907.033	51.406	1782.401	2.00%	83.42%
30.0	776.696	45.460	1827.861	1.77%	85.55%
31.0	648.546	39.662	1867.524	1.54%	87.41%
32.0	531.772	33.815	1901.339	1.31%	88.99%
33.0	431.201	28.370	1929.708	1.10%	90.32%
34.0	341.991	23.399	1953.107	0.91%	91.41%
35.0	281.654	19.368	1972.475	0.75%	92.32%
36.0	235.546	16.468	1988.943	0.64%	93.09%
37.0	188.691	13.836	2002.779	0.54%	93.74%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	130.534	10.655	2013.435	0.41%	94.23%
39.0	104.492	8.022	2021.457	0.31%	94.61%
40.0	84.221	6.582	2028.038	0.26%	94.92%
41.0	70.805	5.520	2033.559	0.21%	95.18%
42.0	61.280	4.799	2038.358	0.19%	95.40%
43.0	54.667	4.295	2042.653	0.17%	95.60%
44.0	49.854	3.945	2046.598	0.15%	95.79%
45.0	46.101	3.688	2050.285	0.14%	95.96%
46.0	43.182	3.492	2053.777	0.14%	96.12%
47.0	40.871	3.343	2057.12	0.13%	96.28%
48.0	38.566	3.211	2060.331	0.12%	96.43%
49.0	36.679	3.090	2063.421	0.12%	96.57%
50.0	34.989	2.988	2066.409	0.12%	96.71%
51.0	33.270	2.888	2069.297	0.11%	96.85%
52.0	31.734	2.789	2072.087	0.11%	96.98%
53.0	30.227	2.695	2074.782	0.10%	97.11%
54.0	28.881	2.605	2077.387	0.10%	97.23%
55.0	27.579	2.520	2079.907	0.10%	97.35%
56.0	26.320	2.436	2082.343	0.09%	97.46%
57.0	25.113	2.352	2084.695	0.09%	97.57%
58.0	23.987	2.271	2086.965	0.09%	97.68%
59.0	22.882	2.191	2089.156	0.09%	97.78%
60.0	21.741	2.108	2091.264	0.08%	97.88%
61.0	20.680	2.024	2093.289	0.08%	97.97%
62.0	19.539	1.938	2095.227	0.08%	98.06%
63.0	18.566	1.853	2097.08	0.07%	98.15%
64.0	17.476	1.769	2098.849	0.07%	98.23%
65.0	16.723	1.692	2100.541	0.07%	98.31%
66.0	16.101	1.638	2102.179	0.06%	98.39%
67.0	15.772	1.603	2103.782	0.06%	98.46%
68.0	15.560	1.587	2105.369	0.06%	98.54%
69.0	15.523	1.586	2106.954	0.06%	98.61%
70.0	15.530	1.595	2108.549	0.06%	98.69%
71.0	15.589	1.608	2110.158	0.06%	98.76%
72.0	15.757	1.630	2111.788	0.06%	98.84%
73.0	15.713	1.646	2113.433	0.06%	98.91%
74.0	15.691	1.651	2115.084	0.06%	98.99%
75.0	15.472	1.647	2116.731	0.06%	99.07%

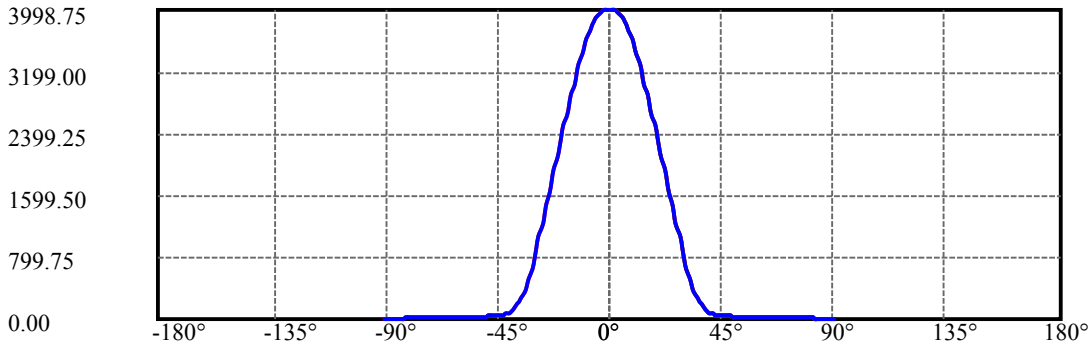
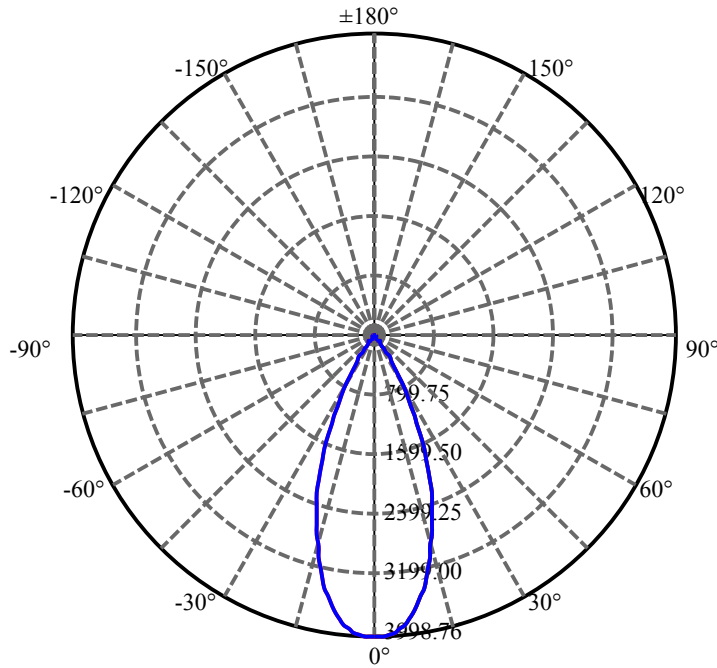
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.267	1.632	2118.363	0.06%	99.15%
77.0	15.055	1.617	2119.979	0.06%	99.22%
78.0	14.726	1.594	2121.573	0.06%	99.30%
79.0	14.309	1.560	2123.133	0.06%	99.37%
80.0	13.855	1.518	2124.652	0.06%	99.44%
81.0	13.116	1.459	2126.11	0.06%	99.51%
82.0	12.363	1.382	2127.492	0.05%	99.57%
83.0	11.800	1.314	2128.806	0.05%	99.63%
84.0	11.309	1.259	2130.065	0.05%	99.69%
85.0	10.702	1.201	2131.266	0.05%	99.75%
86.0	10.190	1.142	2132.408	0.04%	99.80%
87.0	9.810	1.095	2133.502	0.04%	99.85%
88.0	9.568	1.062	2134.564	0.04%	99.90%
89.0	9.371	1.038	2135.602	0.04%	99.95%
90.0	9.327	1.025	2136.627	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1827.86	70.98%	85.55%
0-40	2028.04	78.76%	94.92%
0-60	2091.26	81.21%	97.88%
0-90	2135.60	82.94%	99.95%
0-120	2135.60	82.94%	99.95%
0-180	2136.63	82.98%	100.00%
60-90	44.34	1.72%	2.08%
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%
0-27.62	1709.30	66.38%	80.00%

ZONAL LUMEN SUMMARY

0-10	361.09
10-20	800.60
20-30	666.17
30-40	200.18
40-50	38.37
50-60	24.86
60-70	17.28
70-80	16.10
80-90	10.95
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



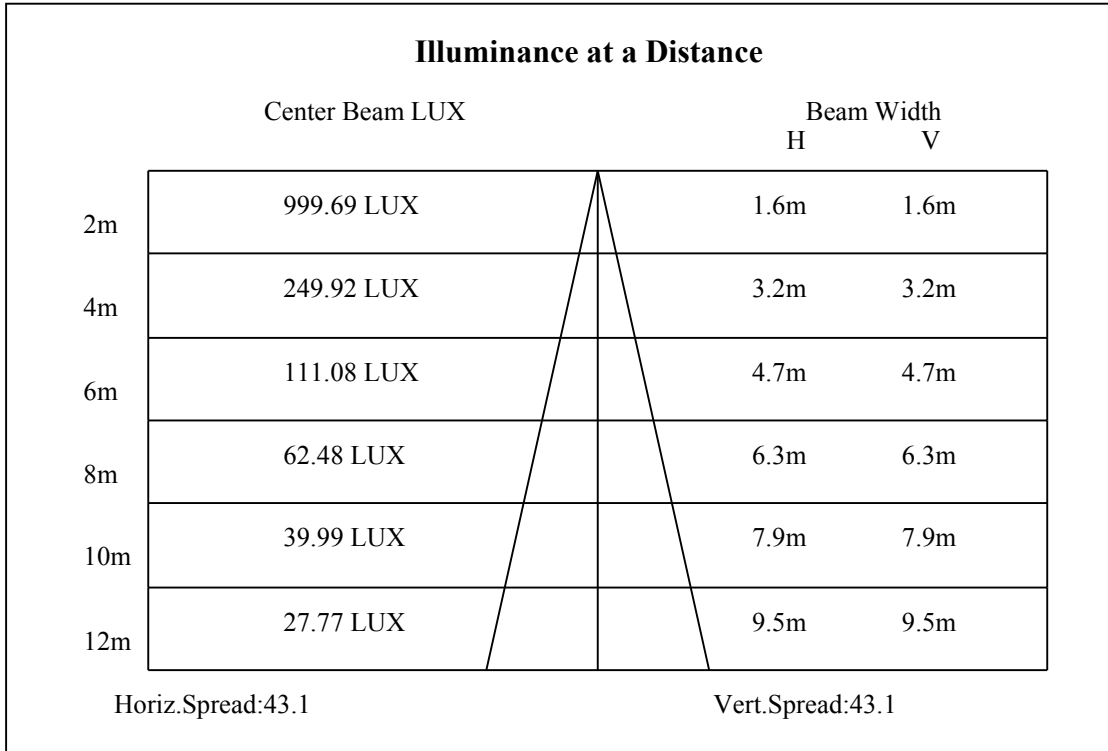
C0(Max): —————

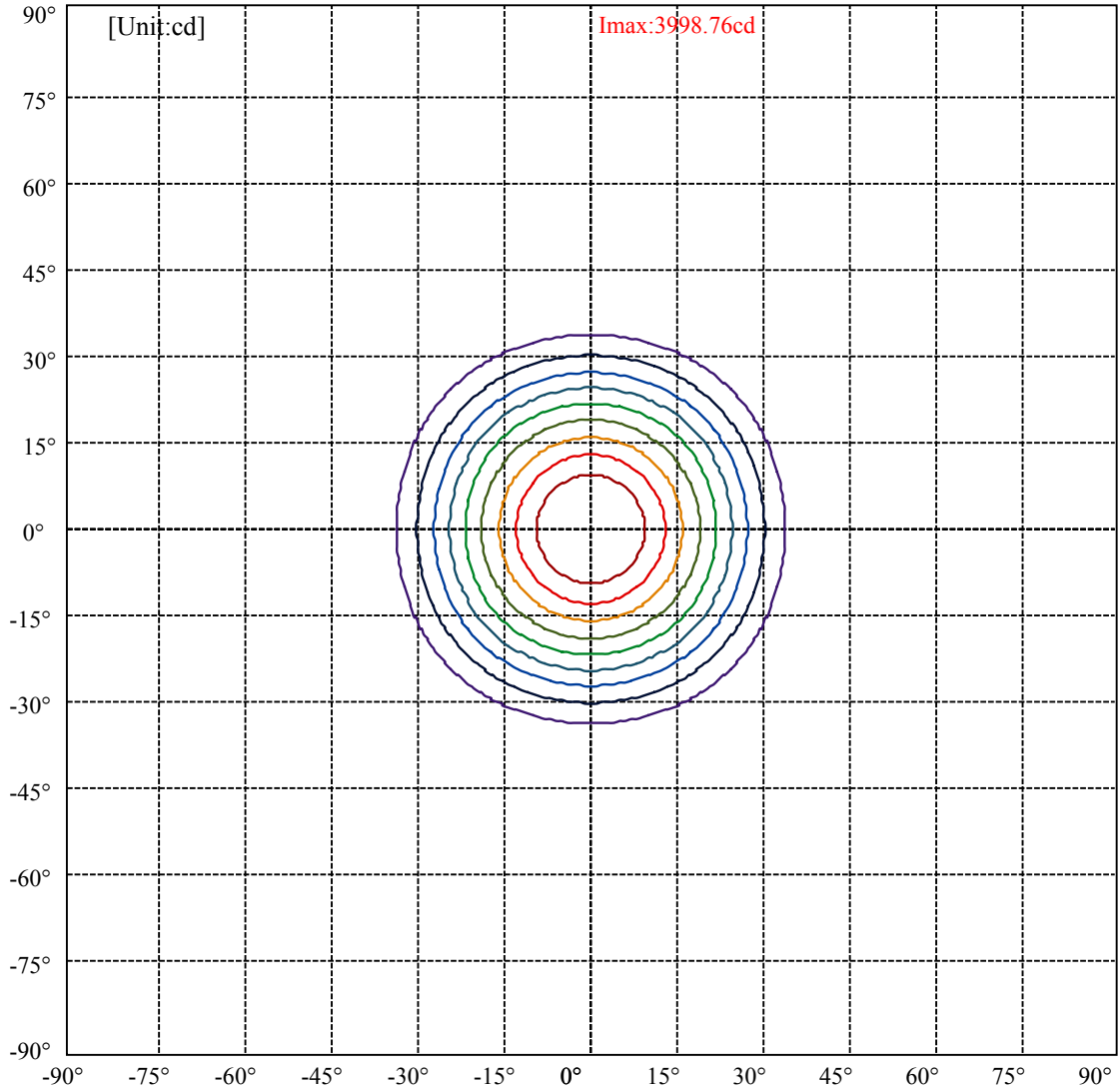
C0/C180: —————

C90/C270: —————

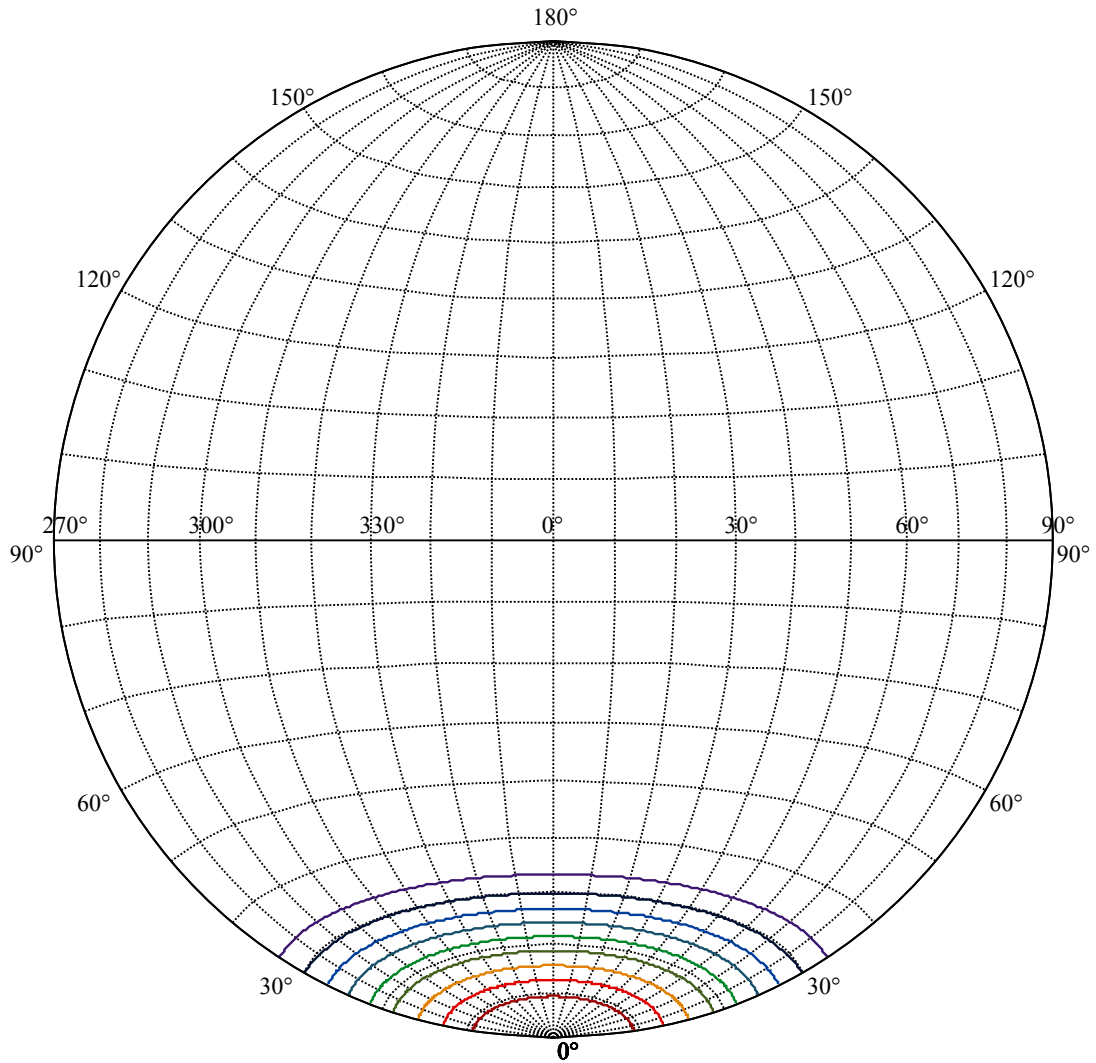
Field angle(10%Imax):C0/180Left:33.4 Right:33.4
:C90/270Left:33.4 Right:33.4

Beam Angle(50%Imax):C0/180Left:21.5 Right:21.5
:C90/270Left:21.5 Right:21.5





(10%I _{max}) 399.875	—
(20%I _{max}) 799.751	—
(30%I _{max}) 1199.63	—
(40%I _{max}) 1599.5	—
(50%I _{max}) 1999.38	—
(60%I _{max}) 2399.25	—
(70%I _{max}) 2799.13	—
(80%I _{max}) 3199	—
(90%I _{max}) 3598.88	—



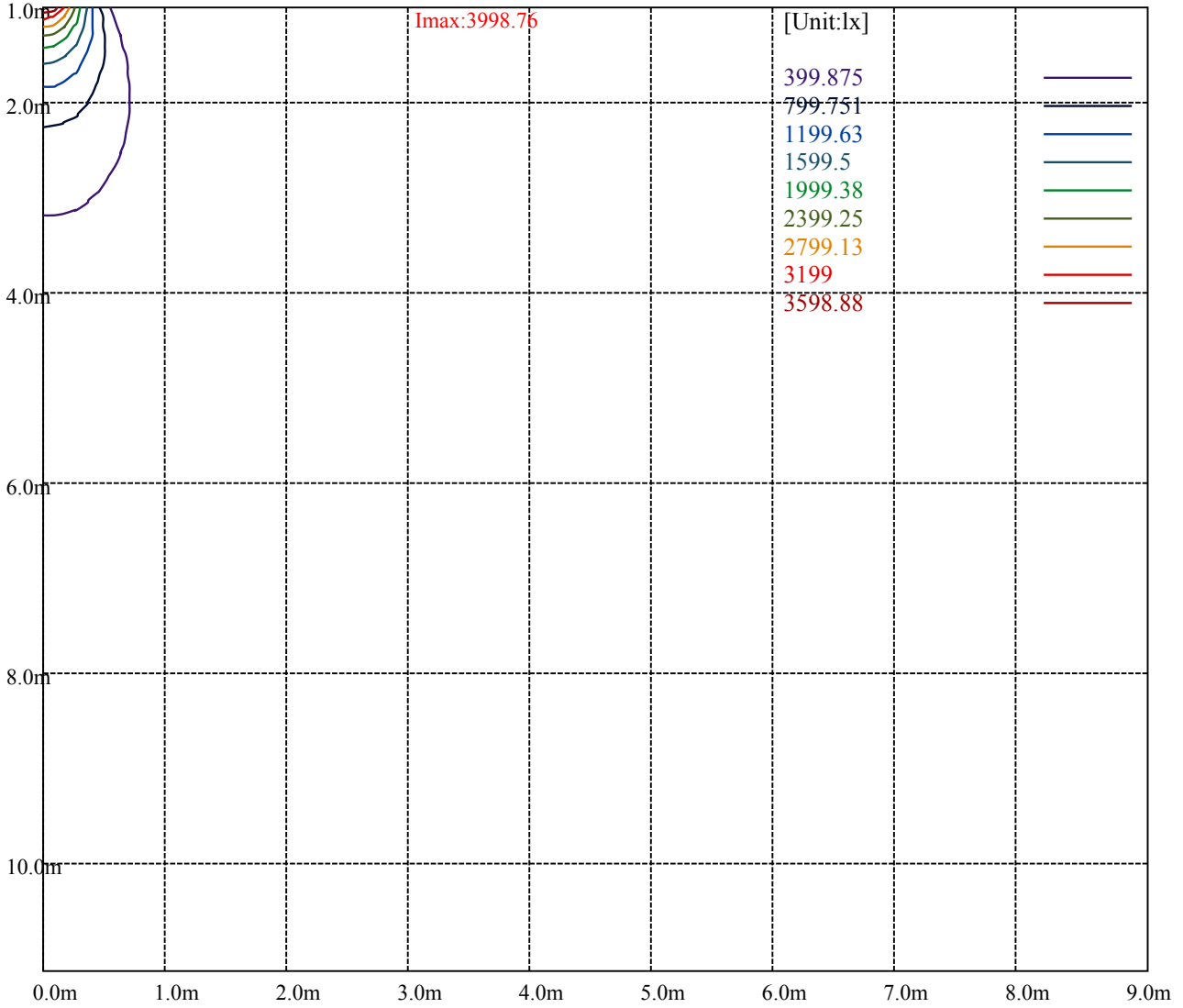
House

[Unit:cd]

Road

Imax:3998.76

(10%Imax)	399.875	—
(20%Imax)	799.751	—
(30%Imax)	1199.63	—
(40%Imax)	1599.5	—
(50%Imax)	1999.38	—
(60%Imax)	2399.25	—
(70%Imax)	2799.13	—
(80%Imax)	3199	—
(90%Imax)	3598.88	—



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

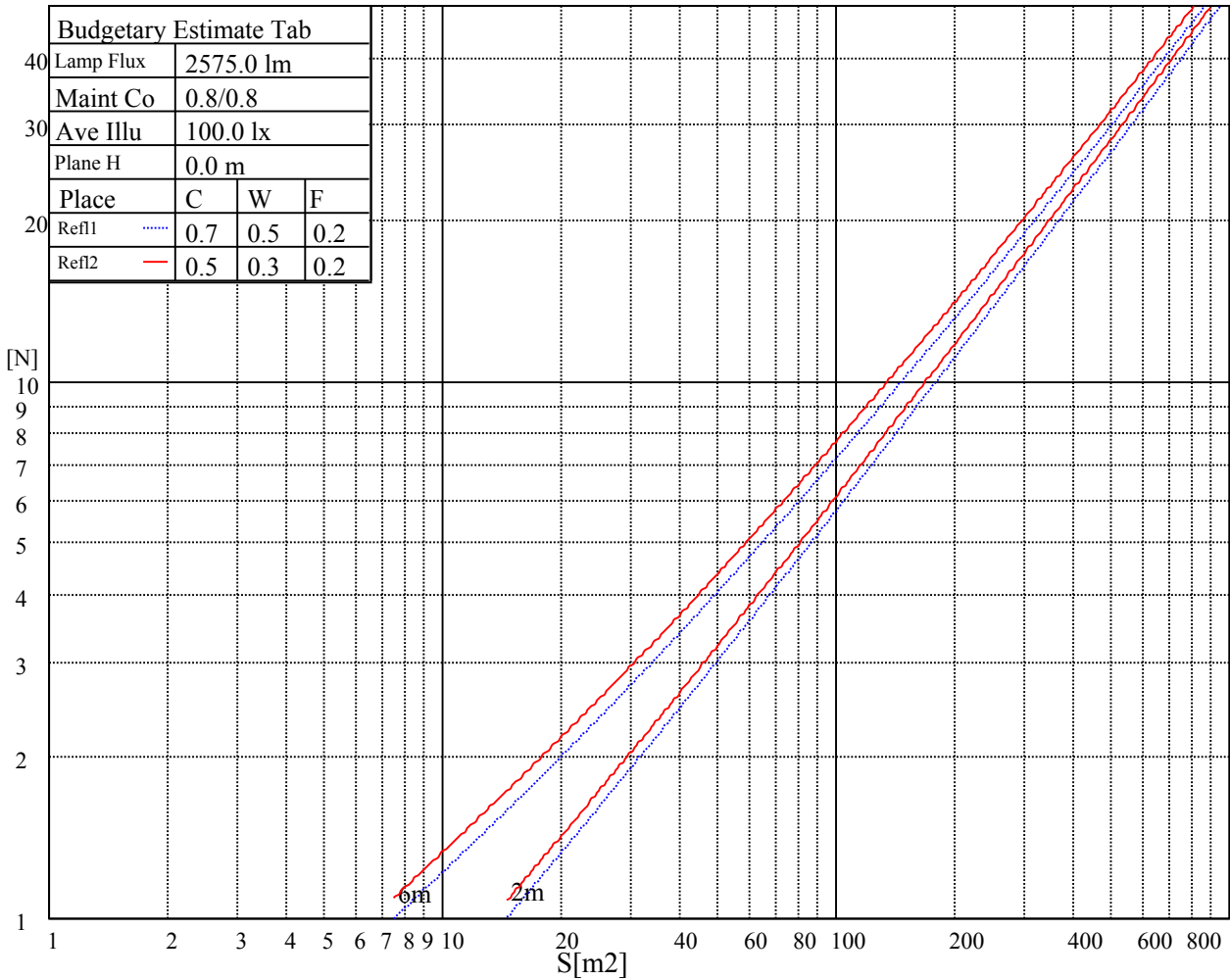
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

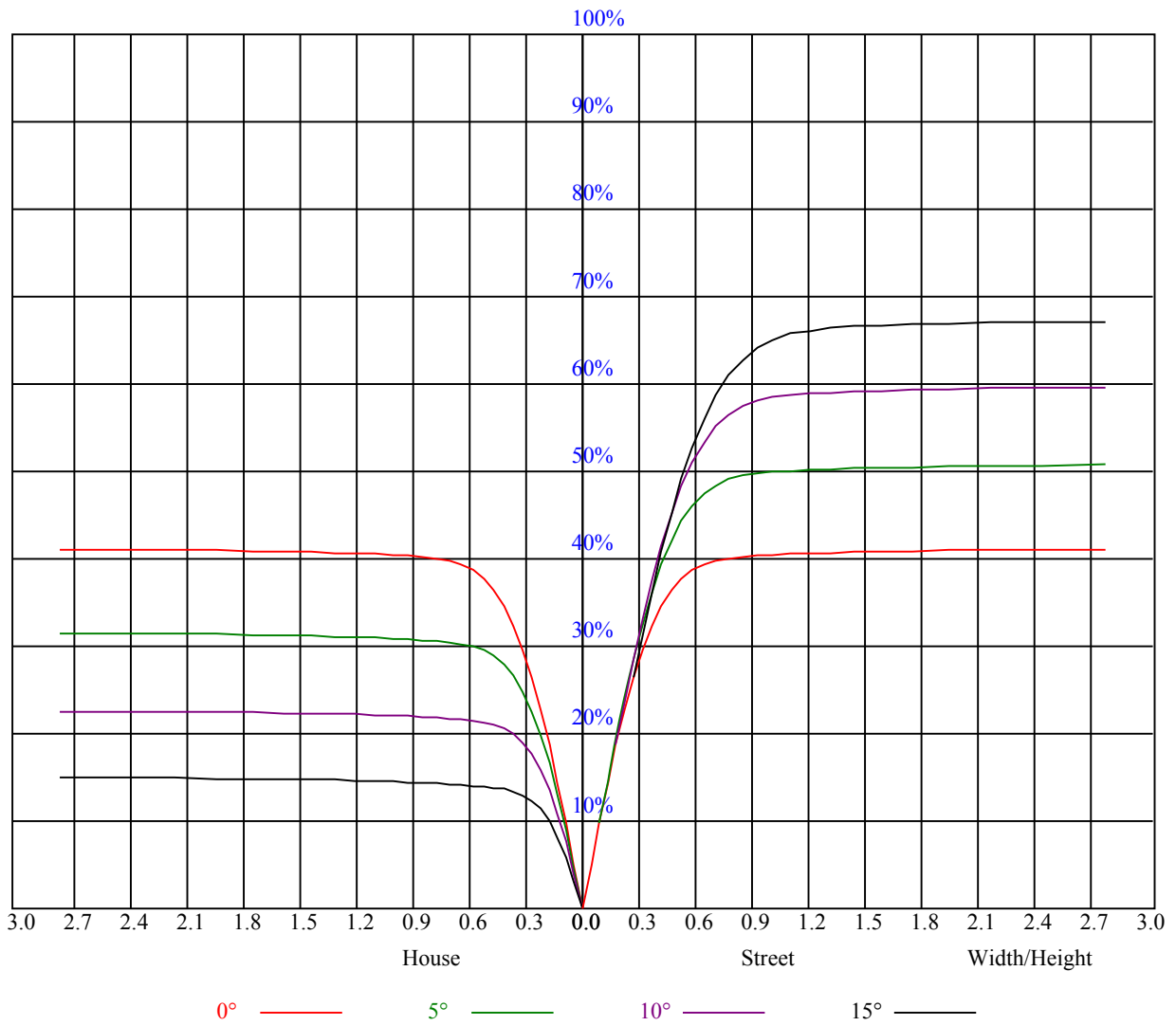


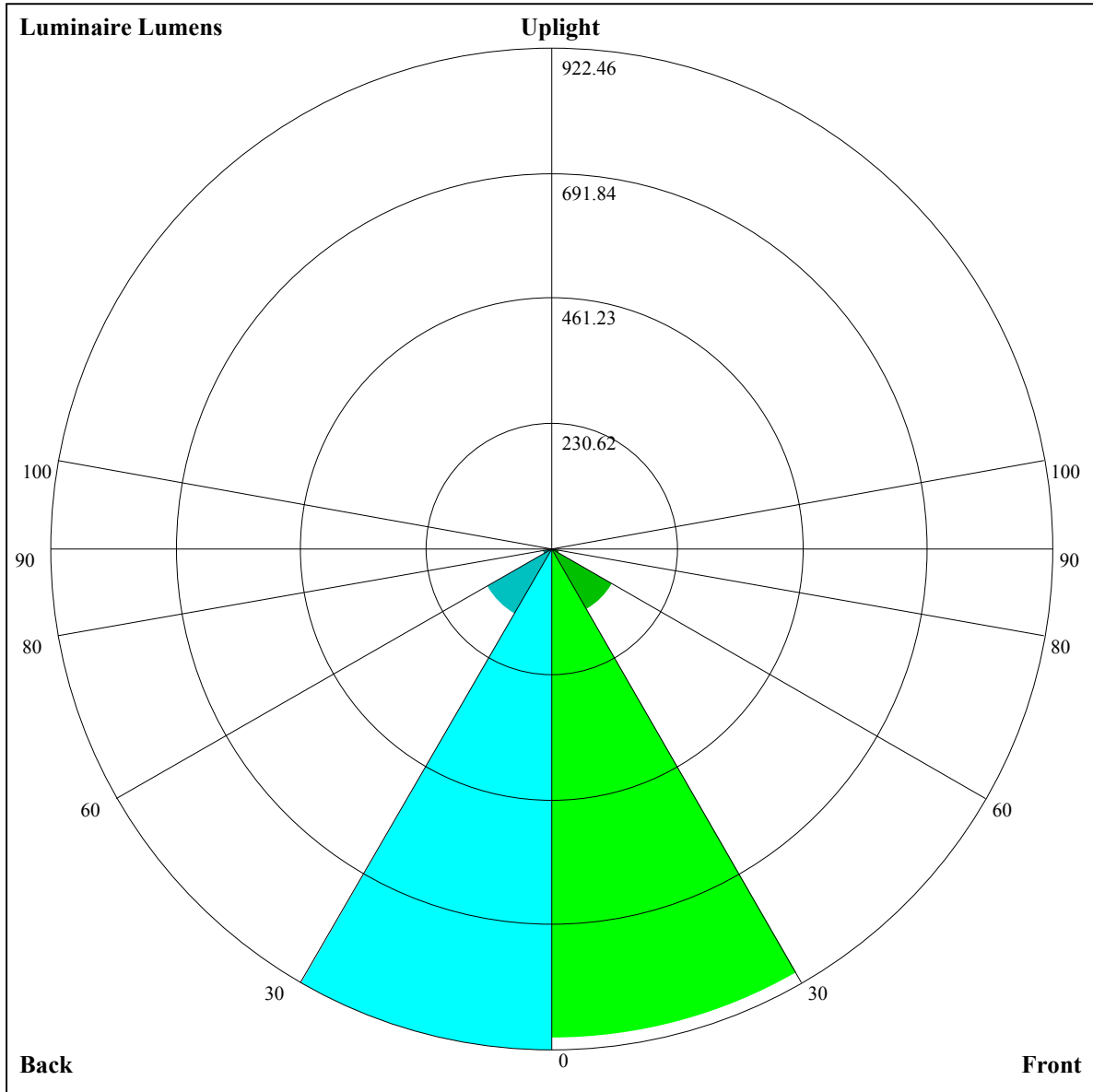
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.78	0.76	0.75	0.74
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.68	0.66	0.63	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.53	0.51	0.57	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49





Luminaire Lumens:

FL=901.46,FM=128.73,FH=16.23,FVH=5.92

BL=922.46,BM=138.97,BH=17.43,BVH=6.09

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	3994.22	3988.37	3970.22	3949.16	3915.80	3854.35	3795.83	3726.19	3641.91
45.0	3997.73	3997.73	3992.46	3976.66	3955.01	3926.33	3881.86	3809.87	3744.91
90.0	3998.90	3990.71	3976.66	3950.91	3910.53	3843.82	3785.29	3711.56	3631.96
135.0	4004.17	4003.58	3994.22	3977.83	3942.13	3901.75	3849.67	3765.40	3686.39
180.0	3994.22	3997.15	3997.73	3993.63	3981.34	3950.33	3917.55	3866.64	3805.19
225.0	3997.73	3998.90	3991.29	3980.17	3945.65	3904.68	3855.52	3774.76	3698.10
270.0	3998.90	4000.66	4003.00	3997.73	3983.69	3962.03	3918.73	3868.40	3806.95
315.0	4004.17	4004.75	3999.49	3986.03	3964.96	3929.84	3883.61	3812.21	3743.16
360.0	3994.22	3988.37	3970.22	3949.16	3915.80	3854.35	3795.83	3726.19	3641.91
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3523.11	3412.51	3297.80	3173.73	3016.89	2889.31	2734.23	2610.75	2483.75
45.0	3669.42	3554.72	3452.89	3338.18	3185.44	3055.52	2928.52	2771.10	2650.54
90.0	3514.92	3406.65	3289.61	3137.45	3012.21	2855.96	2731.30	2609.58	2489.02
135.0	3600.36	3506.73	3376.22	3259.76	3138.03	3015.14	2855.37	2733.06	2610.16
180.0	3716.24	3637.23	3547.69	3445.28	3305.99	3190.71	3036.21	2908.63	2783.39
225.0	3617.33	3497.36	3389.10	3278.49	3157.93	3003.43	2882.29	2759.98	2642.35
270.0	3718.58	3637.82	3546.52	3420.11	3305.41	3187.19	3068.39	2911.55	2788.07
315.0	3662.98	3573.44	3444.11	3331.74	3217.04	3062.54	2939.64	2785.14	2666.34
360.0	3523.11	3412.51	3297.80	3173.73	3016.89	2889.31	2734.23	2610.75	2483.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2353.83	2184.12	2047.18	1879.22	1745.78	1604.75	1467.22	1152.95	1152.95
45.0	2528.23	2365.54	2228.01	2093.99	1960.56	1823.62	1655.07	1512.28	1372.41
90.0	2329.84	2195.24	2059.47	1927.79	1793.19	1622.89	1487.70	1140.19	1140.19
135.0	2459.76	2334.52	2169.49	2036.06	1904.38	1772.12	1599.48	1459.61	1319.74
180.0	2635.33	2514.77	2383.68	2253.76	2086.39	1954.12	1823.03	1694.28	1523.40
225.0	2520.62	2360.86	2228.60	2064.73	1934.81	1800.80	1636.35	1498.82	1151.20
270.0	2666.93	2549.30	2382.51	2250.25	2079.95	1945.35	1816.60	1649.22	1512.28
315.0	2546.37	2381.92	2245.57	2110.97	1978.70	1810.74	1676.73	1539.79	1158.34
360.0	2353.83	2184.12	2047.18	1879.22	1745.78	1604.75	1467.22	1152.95	1152.95
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1011.68	874.33	717.31	605.42	500.02	405.56	308.30	246.44	196.87
45.0	1198.01	1059.32	924.13	765.53	652.58	522.66	427.86	344.76	309.64
90.0	1036.26	902.71	745.11	632.28	528.81	410.48	331.24	265.69	200.03
135.0	1177.53	1003.13	870.29	746.81	609.86	508.62	416.74	320.18	303.21
180.0	1386.46	1248.93	1074.53	939.34	807.08	654.93	548.41	427.27	345.93
225.0	1151.20	1048.08	910.84	781.57	634.62	529.75	433.71	351.78	268.62
270.0	1377.68	1236.64	1063.41	926.47	791.28	668.39	529.69	431.37	348.27
315.0	1158.34	1089.40	950.64	816.15	664.11	553.80	453.67	348.44	280.67
360.0	1011.68	874.33	717.31	605.42	500.02	405.56	308.30	246.44	196.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	149.35	120.85	94.46	79.71	68.18	59.58	52.14	48.05	44.95
45.0	309.64	161.17	128.11	103.58	81.99	70.17	61.62	54.07	49.63
90.0	159.71	128.28	103.94	82.87	70.81	62.15	55.71	49.92	46.58
135.0	231.11	150.23	119.15	96.21	76.14	65.02	57.64	52.44	48.40
180.0	309.64	309.64	164.62	131.56	105.98	86.73	70.11	61.21	55.01
225.0	214.72	171.47	129.92	104.35	81.76	69.17	60.51	54.48	49.22
270.0	296.77	296.77	166.85	127.11	102.65	80.94	69.17	60.63	54.66
315.0	213.43	171.12	137.24	110.55	86.26	72.68	63.32	56.53	50.39
360.0	149.35	120.85	94.46	79.71	68.18	59.58	52.14	48.05	44.95

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	42.43	39.74	37.92	36.11	34.18	32.71	31.25	29.61	28.32
45.0	46.29	43.07	40.91	38.45	36.58	34.88	33.36	31.89	30.14
90.0	43.13	40.91	38.86	36.58	35.00	33.42	31.49	30.14	28.85
135.0	44.71	42.37	40.20	37.81	36.05	34.41	32.54	31.13	29.50
180.0	49.39	46.12	43.37	40.56	38.62	36.81	34.88	33.30	31.89
225.0	46.17	43.60	41.43	39.03	37.28	35.64	33.71	32.25	30.84
270.0	50.04	45.88	43.31	41.02	38.62	36.87	35.35	33.83	31.95
315.0	46.64	43.77	40.97	38.98	37.10	35.17	33.59	31.72	30.31
360.0	42.43	39.74	37.92	36.11	34.18	32.71	31.25	29.61	28.32
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.10	25.69	24.58	23.53	22.24	21.24	20.19	19.20	17.91
45.0	28.85	27.62	26.45	24.99	23.99	22.88	21.54	20.48	19.20
90.0	27.68	26.57	25.22	24.11	23.00	21.59	20.54	19.25	18.38
135.0	28.32	27.21	26.04	24.70	23.64	22.59	21.48	20.42	19.20
180.0	30.43	28.91	27.68	26.57	25.46	24.23	23.17	22.18	21.07
225.0	29.14	27.97	26.69	25.34	24.35	23.35	22.06	21.01	20.01
270.0	30.55	28.91	27.68	26.57	25.16	24.11	23.12	22.12	20.78
315.0	28.97	27.74	26.22	25.11	24.05	23.06	21.83	20.78	19.78
360.0	27.10	25.69	24.58	23.53	22.24	21.24	20.19	19.20	17.91
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.91	16.15	15.63	15.16	14.81	14.46	14.22	13.99	13.69
45.0	18.32	17.38	16.56	15.92	15.45	15.16	14.92	14.98	15.16
90.0	17.44	16.39	15.98	15.57	15.51	15.63	16.09	16.09	15.63
135.0	18.32	17.15	16.44	15.92	15.45	15.10	14.81	14.51	14.28
180.0	19.90	18.61	17.73	16.91	16.44	15.92	15.63	15.39	15.80
225.0	19.02	17.85	17.15	16.68	16.44	16.50	16.68	17.03	17.38
270.0	19.84	18.79	17.79	16.85	16.68	16.74	17.21	17.85	18.67
315.0	18.79	17.50	16.50	15.80	15.39	14.98	14.63	14.40	14.10
360.0	16.91	16.15	15.63	15.16	14.81	14.46	14.22	13.99	13.69
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.52	13.40	13.23	12.99	12.87	12.76	12.64	12.47	12.29
45.0	15.10	14.81	14.63	14.28	13.93	13.64	13.28	12.93	12.70
90.0	15.51	14.98	14.63	14.05	13.58	13.17	12.87	12.70	12.47
135.0	14.05	13.93	13.69	13.52	13.40	13.28	13.11	12.93	12.87
180.0	16.91	17.50	18.14	18.49	18.49	18.73	18.49	17.79	16.85
225.0	18.14	18.43	18.90	18.90	18.49	18.26	17.50	16.50	15.33
270.0	18.90	19.02	18.84	18.26	18.20	17.56	17.09	16.39	15.74
315.0	13.93	13.64	13.46	13.28	13.17	13.05	12.82	12.76	12.58
360.0	13.52	13.40	13.23	12.99	12.87	12.76	12.64	12.47	12.29
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.06	11.65	11.18	10.71	10.12	9.89	9.71	9.36	9.36
45.0	12.58	12.29	11.76	11.29	10.65	10.07	9.77	9.66	9.31
90.0	12.11	11.76	11.24	10.59	10.01	9.71	9.54	9.31	9.31
135.0	12.64	12.29	11.76	11.18	10.30	9.83	9.66	9.54	9.31
180.0	15.33	13.52	12.41	12.11	11.53	10.83	10.07	9.71	9.60
225.0	13.23	12.35	11.88	11.35	10.89	10.18	9.77	9.66	9.25
270.0	14.51	12.82	12.23	11.70	11.18	10.59	10.01	9.66	9.48
315.0	12.47	12.23	11.94	11.53	10.94	10.42	9.95	9.66	9.36
360.0	12.06	11.65	11.18	10.71	10.12	9.89	9.71	9.36	9.36

Intensity data(cd)

C/ γ (°)	90.0
0.0	9.36
45.0	9.42
90.0	9.31
135.0	9.36
180.0	9.31
225.0	9.31
270.0	9.25
315.0	9.31
360.0	9.36