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NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.410.00

Report No: 2024802-B017

Ballast type: AC

Test No: 2024802-C017

Voltage(V): 34.840

LampCAT: Fortimo_SLM_C_1204

Current(A): 0.321

Lamp flux(lm): 1868.0

Power (W): 11.183

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1750.41, Efficiency(%): 93.70% , Luminous Efficacy(lm/W): 156.52

Central intensity(cd): 3296.266, Maximum intensity(cd): 3297.290

Angle of maximum intensity: C=0.0 γ =1.0

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

[C90/270]Total=43.0

Field angle(10%Imax): [C0/180]Total=66.4

[C90/270]Total=66.4

Maximum s/h(1/2): C0_180=0.70 C90_270=0.70

Maximum s/h(1/4): C0_180=0.67 C90_270=0.67

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.70%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.910%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/02
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	3296.265	0.000	0	0.00%	0.00%
1.0	3297.289	3.155	3.155	0.17%	0.18%
2.0	3292.608	9.458	12.613	0.51%	0.72%
3.0	3272.271	15.701	28.314	0.84%	1.62%
4.0	3251.057	21.836	50.15	1.17%	2.87%
5.0	3217.626	27.828	77.978	1.49%	4.45%
6.0	3177.538	33.608	111.586	1.80%	6.37%
7.0	3126.404	39.128	150.715	2.09%	8.61%
8.0	3079.878	44.417	195.132	2.38%	11.15%
9.0	3028.744	49.507	244.639	2.65%	13.98%
10.0	2962.394	54.218	298.857	2.90%	17.07%
11.0	2894.581	58.523	357.38	3.13%	20.42%
12.0	2820.770	62.477	419.857	3.34%	23.99%
13.0	2734.157	65.923	485.78	3.53%	27.75%
14.0	2640.008	68.789	554.569	3.68%	31.68%
15.0	2536.789	71.069	625.638	3.80%	35.74%
16.0	2422.817	72.672	698.31	3.89%	39.89%
17.0	2291.653	73.417	771.727	3.93%	44.09%
18.0	2160.563	73.407	845.134	3.93%	48.28%
19.0	2014.769	72.642	917.777	3.89%	52.43%
20.0	1871.901	71.137	988.914	3.81%	56.50%
21.0	1720.693	68.985	1057.899	3.69%	60.44%
22.0	1564.189	66.011	1123.91	3.53%	64.21%
23.0	1409.588	62.398	1186.308	3.34%	67.77%
24.0	1254.349	58.243	1244.551	3.12%	71.10%
25.0	1148.855	54.644	1299.194	2.93%	74.22%
26.0	1034.707	51.543	1350.738	2.76%	77.17%
27.0	903.031	47.407	1398.145	2.54%	79.88%
28.0	788.013	42.814	1440.959	2.29%	82.32%
29.0	680.807	38.428	1479.387	2.06%	84.52%
30.0	586.103	34.206	1513.593	1.83%	86.47%
31.0	493.893	30.055	1543.648	1.61%	88.19%
32.0	411.816	25.947	1569.596	1.39%	89.67%
33.0	339.043	22.121	1591.716	1.18%	90.93%
34.0	277.887	18.670	1610.386	1.00%	92.00%
35.0	221.003	15.494	1625.88	0.83%	92.89%
36.0	196.043	13.279	1639.159	0.71%	93.64%
37.0	133.022	10.732	1649.891	0.57%	94.26%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	99.554	7.763	1657.654	0.42%	94.70%
39.0	77.667	6.049	1663.703	0.32%	95.05%
40.0	62.868	4.901	1668.604	0.26%	95.33%
41.0	51.215	4.062	1672.667	0.22%	95.56%
42.0	44.053	3.461	1676.128	0.19%	95.76%
43.0	38.603	3.062	1679.19	0.16%	95.93%
44.0	34.967	2.777	1681.967	0.15%	96.09%
45.0	32.034	2.575	1684.541	0.14%	96.24%
46.0	29.817	2.419	1686.96	0.13%	96.38%
47.0	27.981	2.299	1689.259	0.12%	96.51%
48.0	26.386	2.198	1691.457	0.12%	96.63%
49.0	25.128	2.115	1693.572	0.11%	96.75%
50.0	23.928	2.045	1695.618	0.11%	96.87%
51.0	22.977	1.985	1697.602	0.11%	96.98%
52.0	22.122	1.935	1699.537	0.10%	97.09%
53.0	21.412	1.894	1701.431	0.10%	97.20%
54.0	20.710	1.857	1703.288	0.10%	97.31%
55.0	20.154	1.824	1705.112	0.10%	97.41%
56.0	19.576	1.795	1706.907	0.10%	97.51%
57.0	19.042	1.766	1708.673	0.09%	97.62%
58.0	18.588	1.740	1710.413	0.09%	97.72%
59.0	18.149	1.718	1712.13	0.09%	97.81%
60.0	17.784	1.698	1713.828	0.09%	97.91%
61.0	17.301	1.674	1715.502	0.09%	98.01%
62.0	16.745	1.641	1717.143	0.09%	98.10%
63.0	16.145	1.600	1718.742	0.09%	98.19%
64.0	15.479	1.552	1720.294	0.08%	98.28%
65.0	14.989	1.508	1721.802	0.08%	98.37%
66.0	14.565	1.475	1723.277	0.08%	98.45%
67.0	14.133	1.443	1724.72	0.08%	98.53%
68.0	13.760	1.413	1726.133	0.08%	98.61%
69.0	13.263	1.379	1727.511	0.07%	98.69%
70.0	12.721	1.334	1728.846	0.07%	98.77%
71.0	12.319	1.294	1730.14	0.07%	98.84%
72.0	12.056	1.267	1731.407	0.07%	98.91%
73.0	11.778	1.246	1732.654	0.07%	98.99%
74.0	11.492	1.223	1733.877	0.07%	99.06%
75.0	11.229	1.201	1735.077	0.06%	99.12%

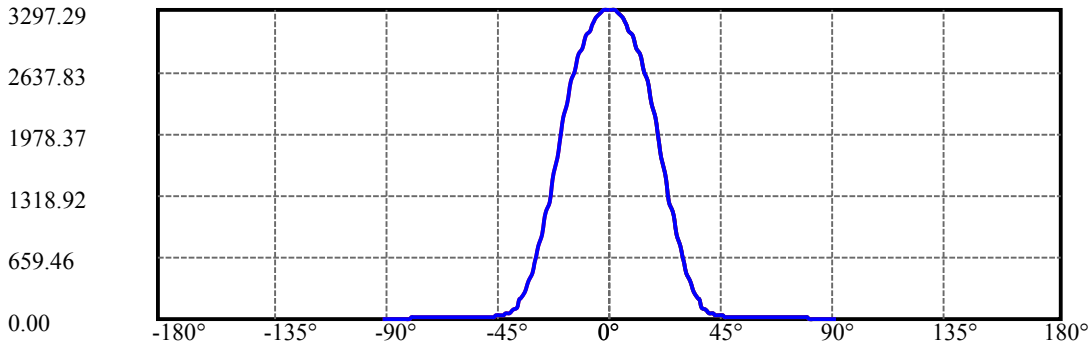
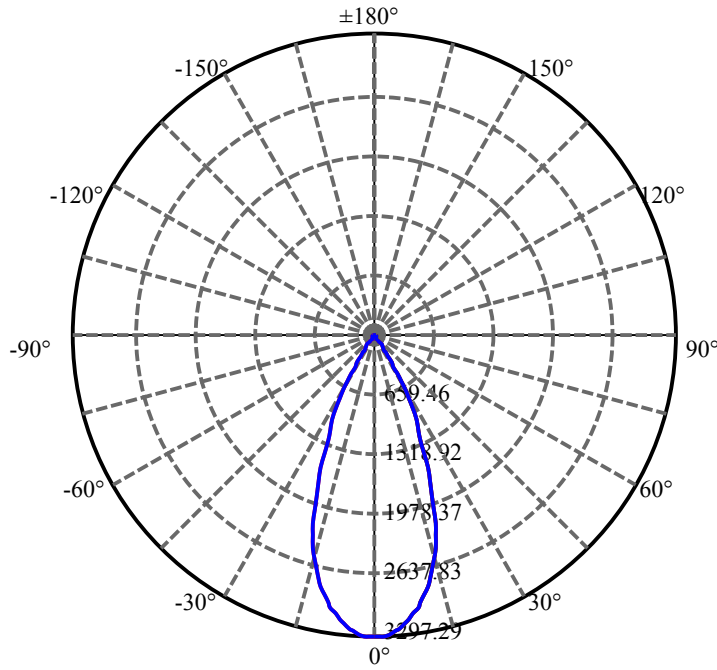
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.002	1.180	1736.258	0.06%	99.19%
77.0	10.746	1.160	1737.417	0.06%	99.26%
78.0	10.505	1.138	1738.555	0.06%	99.32%
79.0	10.271	1.116	1739.671	0.06%	99.39%
80.0	10.044	1.095	1740.766	0.06%	99.45%
81.0	9.824	1.074	1741.841	0.06%	99.51%
82.0	9.598	1.053	1742.894	0.06%	99.57%
83.0	9.378	1.032	1743.925	0.06%	99.63%
84.0	9.159	1.010	1744.935	0.05%	99.69%
85.0	8.888	0.985	1745.92	0.05%	99.74%
86.0	8.522	0.952	1746.872	0.05%	99.80%
87.0	8.237	0.917	1747.789	0.05%	99.85%
88.0	8.047	0.892	1748.681	0.05%	99.90%
89.0	7.835	0.870	1749.552	0.05%	99.95%
90.0	7.732	0.854	1750.405	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1513.59	81.03%	86.47%
0-40	1668.60	89.33%	95.33%
0-60	1713.83	91.75%	97.91%
0-90	1749.55	93.66%	99.95%
0-120	1749.55	93.66%	99.95%
0-180	1750.41	93.70%	100.00%
60-90	35.72	1.91%	2.04%
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%
0-27.05	1400.32	74.96%	80.00%

ZONAL LUMEN SUMMARY

0-10	298.86
10-20	690.06
20-30	524.68
30-40	155.01
40-50	27.01
50-60	18.21
60-70	15.02
70-80	11.92
80-90	8.79
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: —————

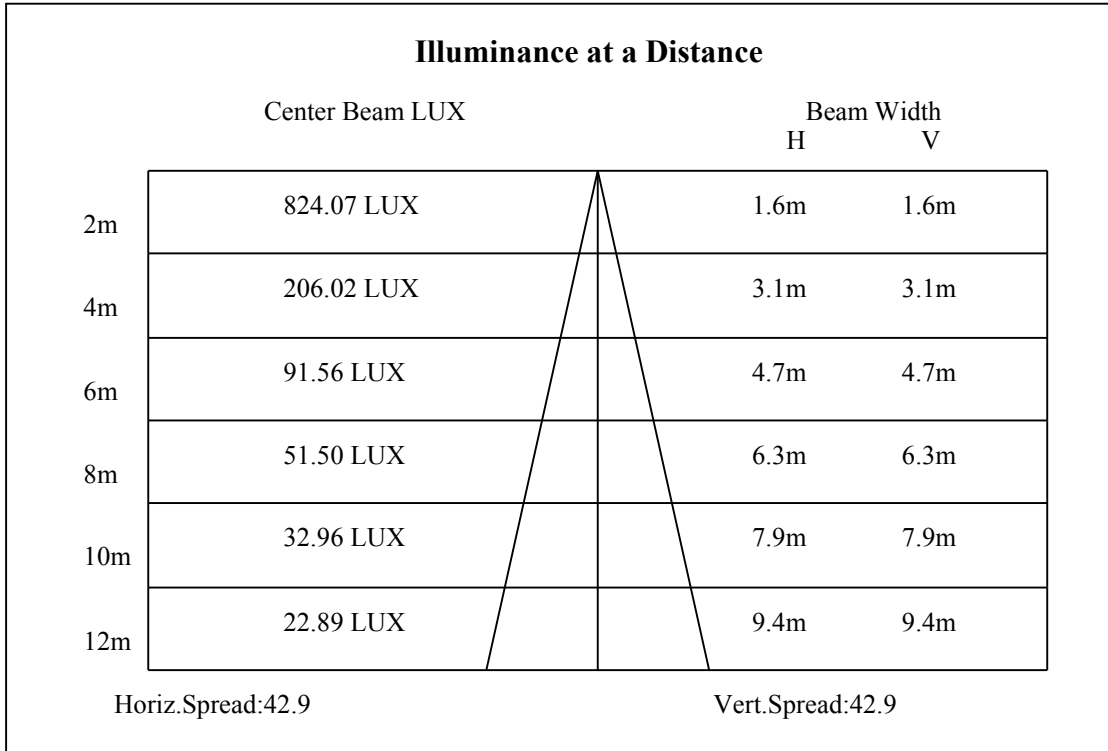
C90/C270: —————

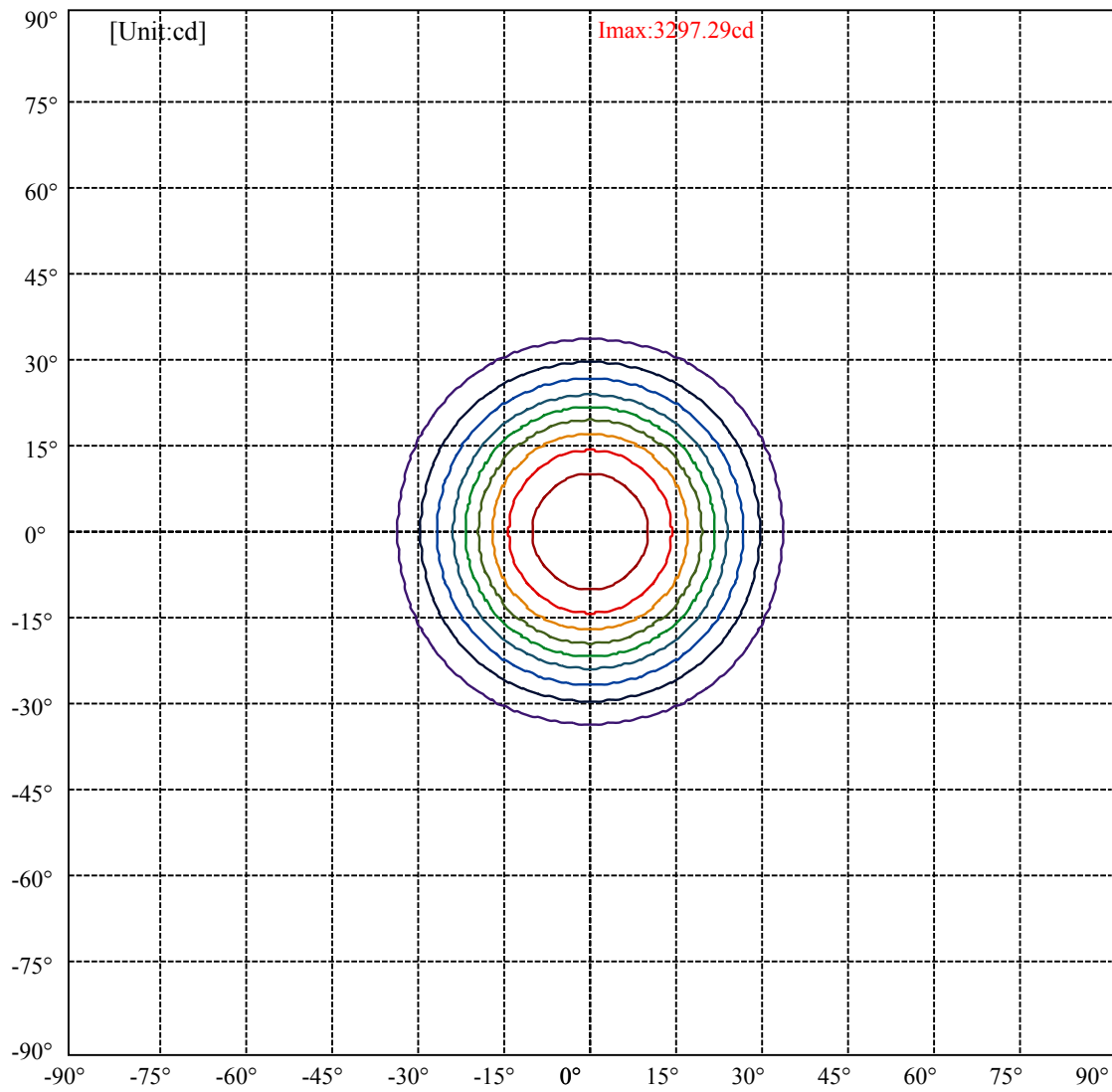
Field angle(10%Imax):C0/180Left:34.2 Right:32.2

:C90/270Left:34.2 Right:32.2

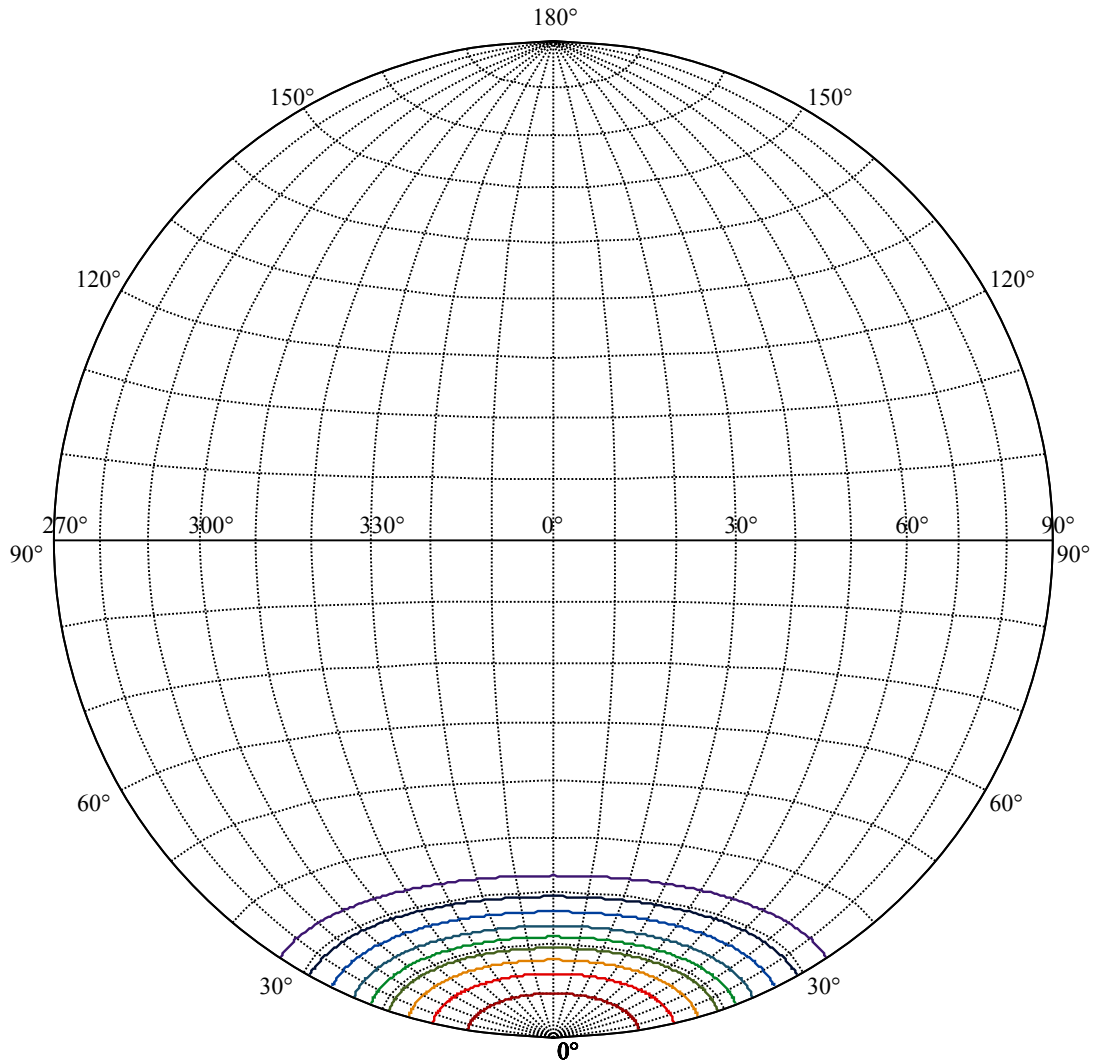
Beam Angle(50%Imax):C0/180Left:22.5 Right:20.5

:C90/270Left:22.5 Right:20.5





(10%Imax) 329.729	—
(20%Imax) 659.458	—
(30%Imax) 989.187	—
(40%Imax) 1318.92	—
(50%Imax) 1648.64	—
(60%Imax) 1978.37	—
(70%Imax) 2308.1	—
(80%Imax) 2637.83	—
(90%Imax) 2967.56	—



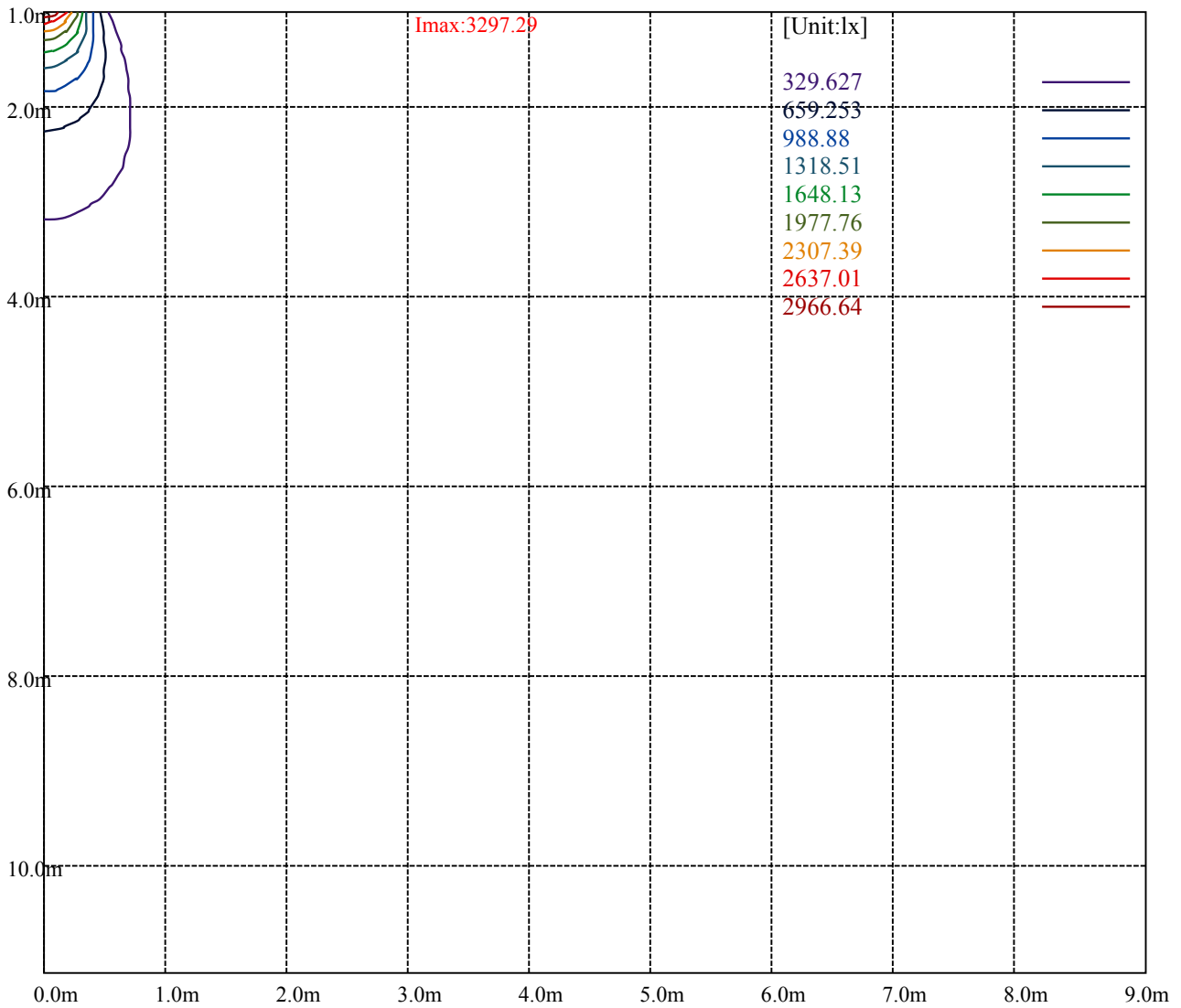
House

[Unit:cd]

Road

Imax:3297.29

(10%Imax)	329.729	—
(20%Imax)	659.458	—
(30%Imax)	989.187	—
(40%Imax)	1318.92	—
(50%Imax)	1648.64	—
(60%Imax)	1978.37	—
(70%Imax)	2308.1	—
(80%Imax)	2637.83	—
(90%Imax)	2967.56	—



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

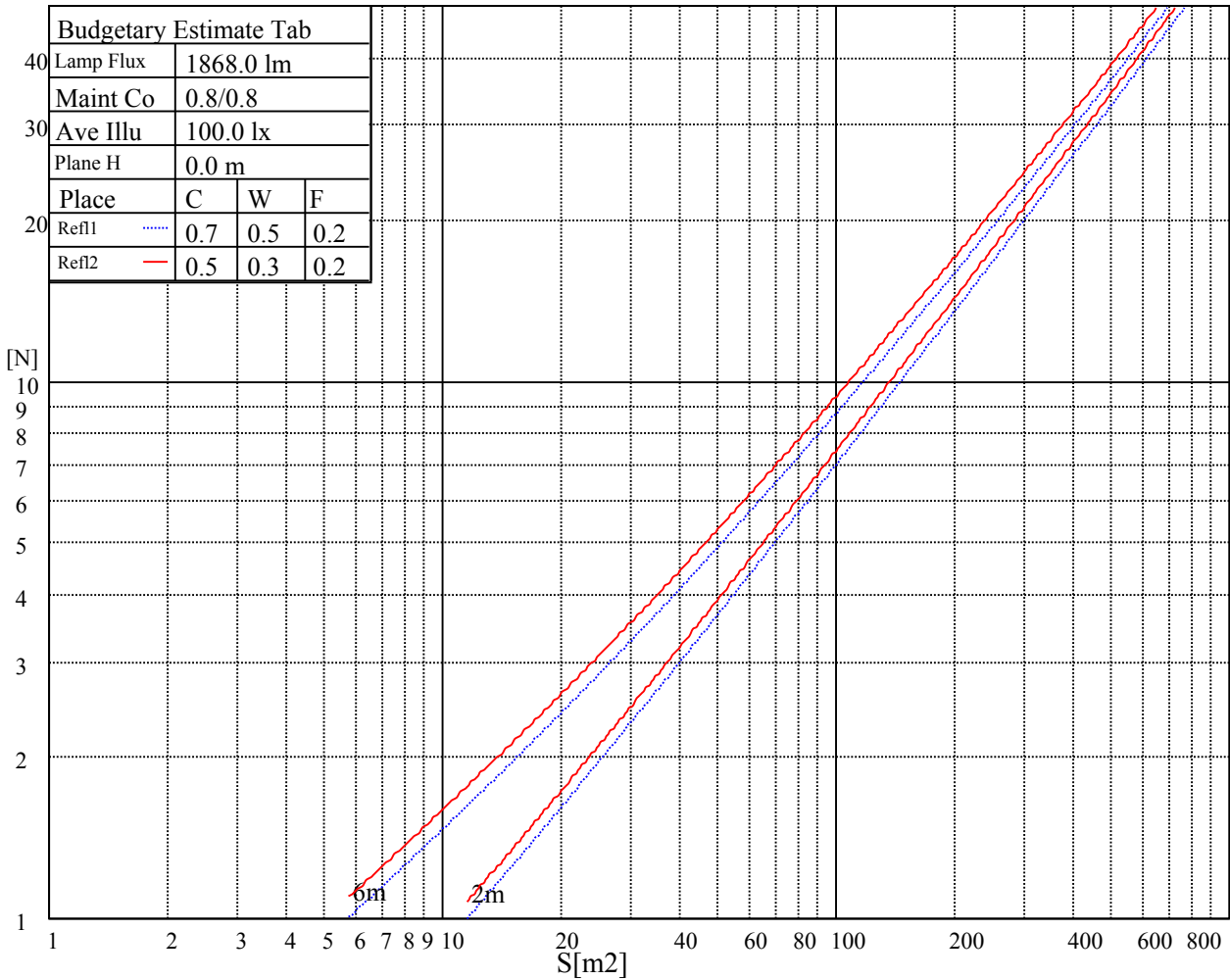
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

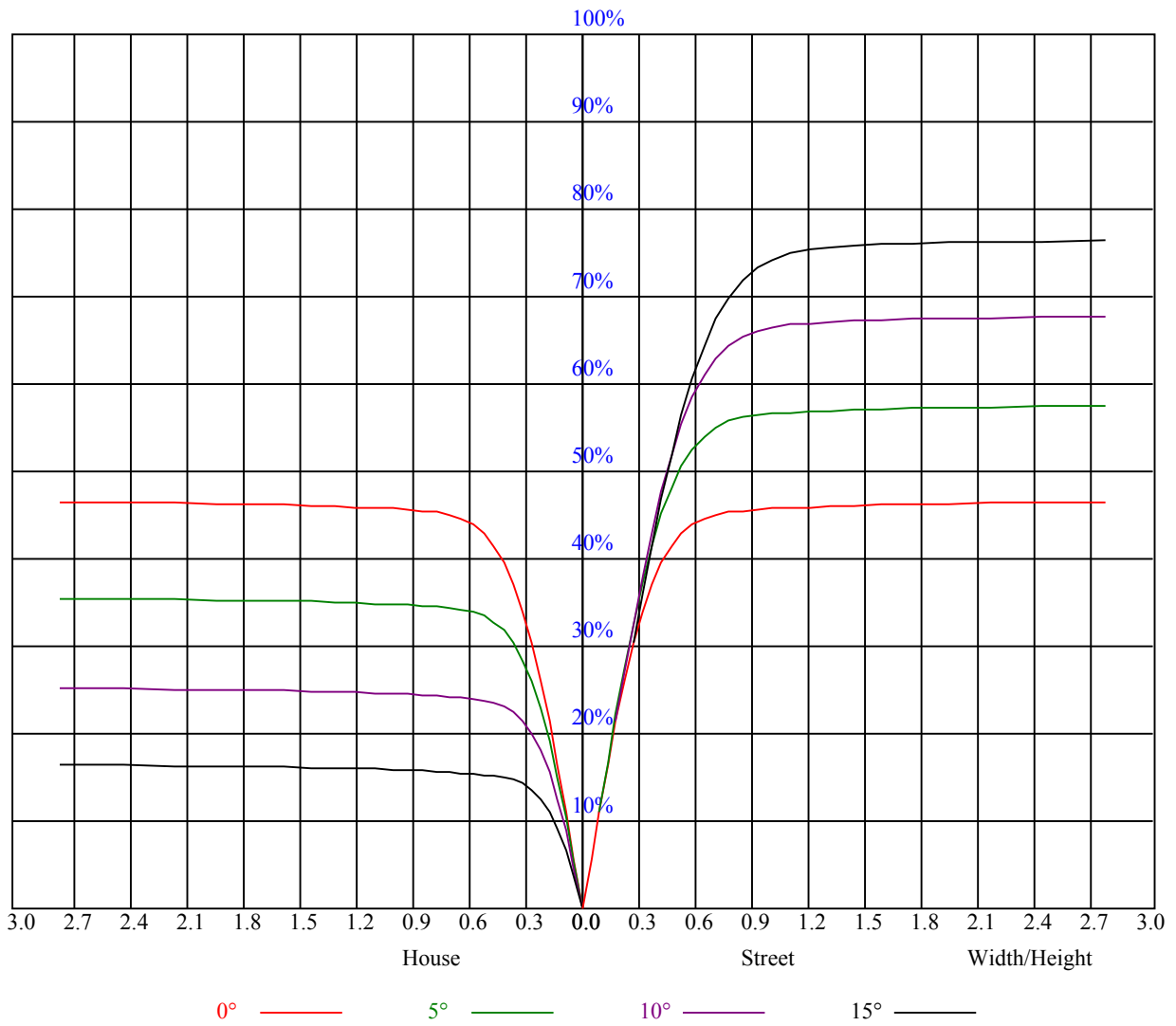


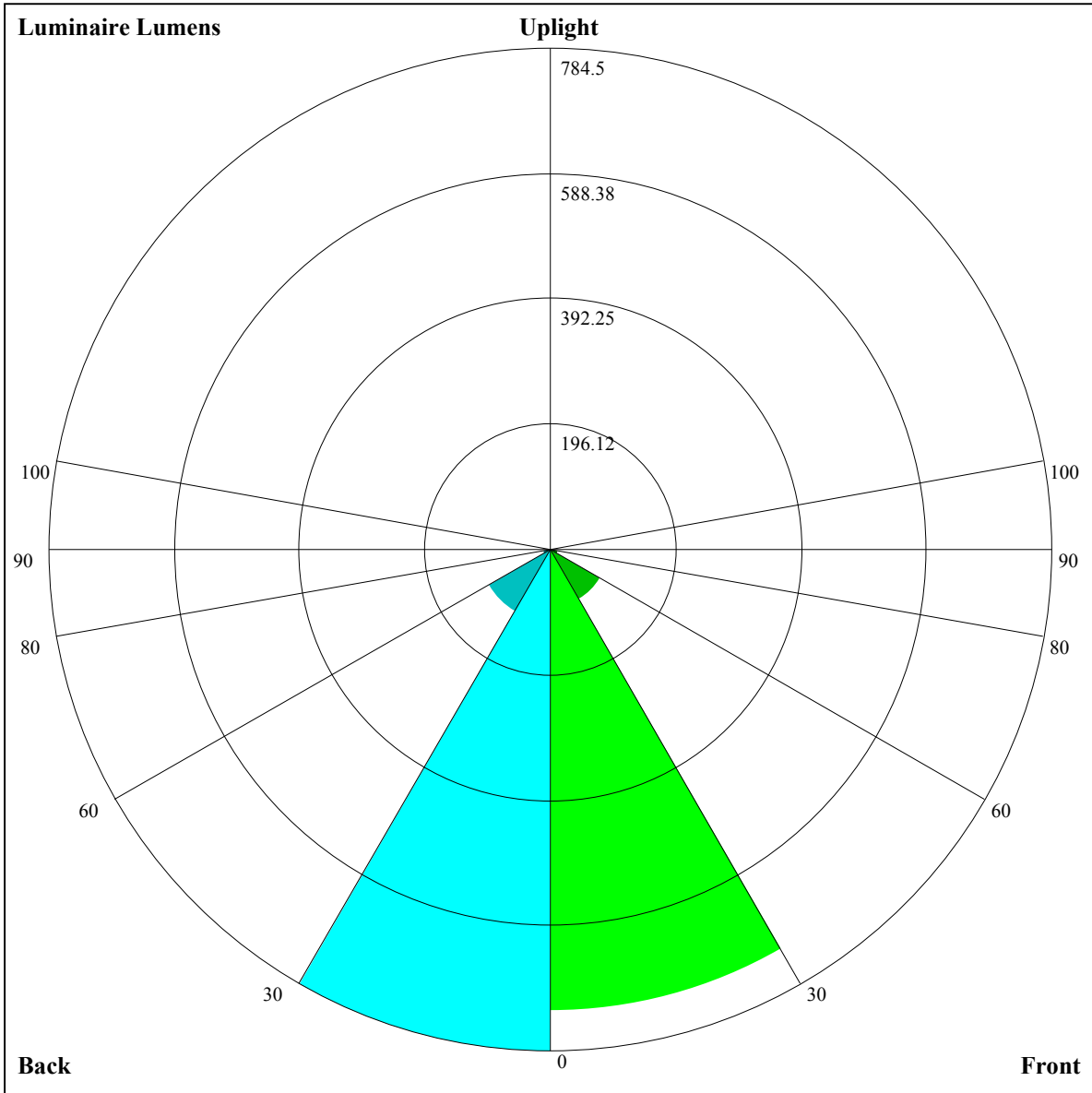
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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 RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.90	0.88	0.87	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.64
8	0.72	0.67	0.63	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.61
9	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59
10	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.56





Luminaire Lumens:

FL=721.5,FM=90.14,FH=13.41,FVH=4.81

BL=784.5,BM=111.95,BH=13.5,BVH=4.81

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	3263.27	3224.65	3190.71	3146.81	3090.05	3039.13	2986.46	2919.16	2869.42
45.0	3322.97	3283.76	3260.93	3214.70	3169.05	3103.51	3047.33	3001.68	2941.40
90.0	3294.88	3283.17	3261.52	3227.57	3163.78	3110.53	3049.67	2998.75	2947.25
135.0	3304.82	3310.09	3324.14	3323.55	3327.06	3298.97	3263.27	3211.77	3179.00
180.0	3263.27	3305.99	3327.06	3352.23	3376.81	3385.00	3362.18	3323.55	3295.46
225.0	3322.97	3355.15	3365.69	3361.01	3373.30	3372.71	3336.43	3286.10	3245.72
270.0	3293.12	3325.31	3359.25	3336.43	3311.26	3290.19	3279.07	3241.62	3189.53
315.0	3304.82	3290.19	3251.57	3215.87	3197.14	3140.96	3095.90	3028.60	2971.25
360.0	3263.27	3224.65	3190.71	3146.81	3090.05	3039.13	2986.46	2919.16	2869.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2827.87	2754.71	2685.66	2611.33	2510.09	2426.40	2339.20	2238.54	2105.11
45.0	2889.31	2829.04	2756.47	2679.80	2598.46	2512.43	2418.21	2292.38	2178.27
90.0	2877.61	2774.61	2689.75	2609.58	2518.87	2385.44	2271.90	2151.93	1995.09
135.0	3133.94	3057.86	2987.63	2902.19	2816.75	2727.79	2627.13	2482.00	2355.59
180.0	3261.52	3214.70	3162.03	3104.09	3032.69	2940.23	2847.76	2749.45	2603.72
225.0	3183.10	3136.28	3067.81	2991.73	2906.87	2806.21	2678.05	2561.00	2427.57
270.0	3139.79	3087.12	3028.01	2960.13	2888.14	2810.89	2698.53	2595.53	2463.86
315.0	2916.82	2844.84	2779.29	2707.31	2601.38	2510.67	2413.53	2311.70	2204.02
360.0	2827.87	2754.71	2685.66	2611.33	2510.09	2426.40	2339.20	2238.54	2105.11
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1987.48	1871.61	1751.05	1584.26	1453.76	1162.08	1162.08	1036.73	919.39
45.0	2051.27	1890.34	1762.76	1631.67	1465.46	1332.62	1199.18	1041.17	921.20
90.0	1864.59	1696.63	1563.78	1429.18	1142.77	1142.77	1014.66	909.79	805.74
135.0	2225.67	2097.50	1928.37	1792.60	1654.49	1521.64	1358.37	1234.30	1079.80
180.0	2468.54	2319.89	2180.61	1984.56	1840.01	1691.94	1502.33	1365.39	1221.42
225.0	2287.70	2099.26	1945.93	1796.70	1661.51	1490.04	1144.35	1144.35	1113.98
270.0	2338.03	2204.60	2027.28	1885.65	1763.34	1619.38	1493.55	1330.86	1207.38
315.0	2061.22	1938.32	1815.43	1660.93	1532.18	1316.23	1160.27	1128.26	1008.75
360.0	1987.48	1871.61	1751.05	1584.26	1453.76	1162.08	1162.08	1036.73	919.39
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	772.97	660.08	536.18	446.94	367.81	298.23	222.62	172.76	133.26
45.0	806.50	674.24	582.36	502.18	428.44	343.59	296.77	296.77	180.07
90.0	682.20	592.01	513.36	437.28	352.42	294.08	241.41	182.65	144.02
135.0	961.00	848.05	727.49	635.61	546.66	464.14	373.43	310.23	295.60
180.0	1068.68	952.80	843.95	721.06	629.76	541.39	456.53	362.31	297.94
225.0	978.44	877.25	755.58	666.28	578.55	472.16	396.37	326.32	249.25
270.0	1090.92	953.98	852.73	745.64	628.59	538.47	448.93	351.19	303.79
315.0	863.56	745.69	634.79	533.84	418.90	342.47	276.28	220.86	164.10
360.0	772.97	660.08	536.18	446.94	367.81	298.23	222.62	172.76	133.26
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	103.88	78.48	63.79	53.14	45.76	39.03	35.17	31.49	29.09
45.0	134.13	106.75	86.38	68.24	58.41	49.86	44.83	40.97	37.81
90.0	108.27	87.08	71.10	57.18	49.80	44.24	40.09	36.34	34.06
135.0	295.60	144.02	113.18	89.54	68.35	56.94	47.17	41.61	37.69
180.0	297.94	226.66	132.03	102.24	79.59	59.87	49.45	41.02	36.46
225.0	195.47	151.11	116.69	85.27	67.65	55.36	46.94	39.85	35.93
270.0	303.79	167.90	131.62	102.94	81.05	61.39	51.09	43.83	38.74
315.0	129.28	102.18	81.64	62.79	52.32	43.01	37.69	33.71	29.96
360.0	103.88	78.48	63.79	53.14	45.76	39.03	35.17	31.49	29.09

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	27.15	25.11	23.76	22.65	21.71	20.72	20.07	19.49	18.96
45.0	34.65	32.60	30.78	29.20	27.51	26.34	25.34	24.46	23.41
90.0	31.95	30.31	29.03	27.45	26.34	24.93	24.17	23.23	22.47
135.0	34.82	32.07	30.26	28.73	27.45	26.04	25.11	24.23	23.53
180.0	33.36	31.02	28.68	27.27	26.04	25.11	23.99	23.23	22.59
225.0	32.42	30.14	28.27	26.34	25.11	24.05	23.06	21.95	21.30
270.0	34.29	31.60	29.44	27.10	25.63	23.94	22.77	21.71	20.89
315.0	27.62	25.69	23.64	22.36	21.24	20.31	19.31	18.67	18.14
360.0	27.15	25.11	23.76	22.65	21.71	20.72	20.07	19.49	18.96
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.38	18.02	17.79	17.50	17.21	16.85	16.56	16.27	15.92
45.0	22.53	21.89	21.30	20.72	20.01	19.43	18.90	18.38	17.73
90.0	21.71	21.13	20.19	19.61	19.37	19.55	19.96	19.37	18.49
135.0	22.77	22.18	21.59	20.89	20.31	19.49	18.84	18.20	17.44
180.0	21.83	21.30	20.78	20.13	19.66	19.14	18.49	17.91	17.38
225.0	20.66	20.07	19.37	18.90	18.43	17.85	17.32	16.85	16.27
270.0	20.07	19.43	18.79	18.20	17.56	17.09	16.68	16.27	15.92
315.0	17.73	17.21	16.80	16.39	16.15	15.80	15.51	15.16	14.81
360.0	18.38	18.02	17.79	17.50	17.21	16.85	16.56	16.27	15.92
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.45	15.04	14.69	14.40	13.99	13.69	13.34	13.05	12.64
45.0	17.26	16.91	16.39	16.04	15.74	15.80	15.16	13.52	12.70
90.0	17.09	15.04	14.46	14.28	14.10	13.64	13.05	12.82	12.47
135.0	16.91	16.39	15.80	15.10	14.46	13.87	13.34	12.70	12.41
180.0	16.74	16.21	15.68	15.16	14.51	14.05	13.52	13.05	12.52
225.0	15.74	15.27	14.69	14.16	13.64	13.17	12.58	12.23	11.94
270.0	15.51	15.04	14.63	14.16	13.69	13.34	12.82	12.35	12.11
315.0	14.46	13.93	13.58	13.23	12.93	12.52	12.29	12.06	11.76
360.0	15.45	15.04	14.69	14.40	13.99	13.69	13.34	13.05	12.64
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.41	12.06	11.82	11.53	11.29	11.06	10.83	10.53	10.36
45.0	12.47	12.17	11.82	11.59	11.35	11.12	10.77	10.53	10.30
90.0	12.06	11.76	11.47	11.24	10.94	10.65	10.42	10.12	9.83
135.0	12.11	11.82	11.53	11.29	11.00	10.77	10.59	10.24	10.07
180.0	12.29	12.06	11.76	11.47	11.24	10.94	10.77	10.59	10.36
225.0	11.70	11.41	11.18	10.89	10.71	10.48	10.24	10.07	9.83
270.0	11.88	11.65	11.35	11.06	10.89	10.65	10.36	10.18	9.95
315.0	11.53	11.29	11.00	10.77	10.59	10.30	10.07	9.89	9.66
360.0	12.41	12.06	11.82	11.53	11.29	11.06	10.83	10.53	10.36
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.18	9.95	9.71	9.54	9.36	8.78	8.60	8.43	7.90
45.0	10.07	9.83	9.60	9.36	9.19	8.72	8.25	8.08	7.78
90.0	9.66	9.42	9.19	9.01	8.66	8.08	7.90	7.72	7.67
135.0	9.83	9.60	9.36	9.13	8.90	8.66	8.08	7.90	7.72
180.0	10.12	9.89	9.71	9.48	9.19	8.90	8.60	8.37	8.19
225.0	9.60	9.42	9.19	8.95	8.66	8.49	8.25	8.08	7.90
270.0	9.71	9.48	9.25	9.01	8.72	8.43	8.25	8.02	7.84
315.0	9.42	9.19	9.01	8.78	8.43	8.13	7.96	7.78	7.67
360.0	10.18	9.95	9.71	9.54	9.36	8.78	8.60	8.43	7.90

Intensity data(cd)

C/γ(°)	90.0
0.0	7.84
45.0	7.72
90.0	7.67
135.0	7.61
180.0	7.90
225.0	7.84
270.0	7.72
315.0	7.55
360.0	7.84