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NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.410.00

Report No: 2024802-B016

Ballast type: AC

Test No: 2024802-C016

Voltage(V): 34.830

LampCAT: Fortimo_SLM_C_1204

Current(A): 0.321

Lamp flux(lm): 1868.0

Power (W): 11.180

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1758.97, Efficiency(%): 94.16% , Luminous Efficacy(lm/W): 157.33

Central intensity(cd): 3257.129, Maximum intensity(cd): 3257.129

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.2

[C90/270]Total=43.2

Field angle(10%Imax): [C0/180]Total=66.2

[C90/270]Total=66.2

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

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(%): 94.16%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.009%

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	3257.128	0.000	0	0.00%	0.00%
1.0	3252.081	3.115	3.115	0.17%	0.18%
2.0	3239.718	9.318	12.432	0.50%	0.71%
3.0	3226.404	15.465	27.897	0.83%	1.59%
4.0	3204.897	21.528	49.425	1.15%	2.81%
5.0	3180.903	27.471	76.896	1.47%	4.37%
6.0	3145.789	33.248	110.144	1.78%	6.26%
7.0	3107.018	38.811	148.956	2.08%	8.47%
8.0	3064.809	44.171	193.126	2.36%	10.98%
9.0	3018.137	49.299	242.425	2.64%	13.78%
10.0	2963.565	54.132	296.557	2.90%	16.86%
11.0	2900.946	58.599	355.156	3.14%	20.19%
12.0	2828.670	62.633	417.789	3.35%	23.75%
13.0	2746.007	66.157	483.946	3.54%	27.51%
14.0	2649.153	69.058	553.004	3.70%	31.44%
15.0	2551.054	71.391	624.394	3.82%	35.50%
16.0	2431.815	73.013	697.407	3.91%	39.65%
17.0	2312.136	73.876	771.283	3.95%	43.85%
18.0	2175.706	73.995	845.278	3.96%	48.06%
19.0	2037.300	73.298	918.576	3.92%	52.22%
20.0	1891.067	71.900	990.476	3.85%	56.31%
21.0	1751.271	69.940	1060.416	3.74%	60.29%
22.0	1560.758	66.557	1126.973	3.56%	64.07%
23.0	1436.032	62.881	1189.854	3.37%	67.64%
24.0	1291.072	59.624	1249.478	3.19%	71.03%
25.0	1185.856	56.320	1305.798	3.01%	74.24%
26.0	1059.111	52.993	1358.791	2.84%	77.25%
27.0	935.767	48.805	1407.596	2.61%	80.02%
28.0	810.595	44.214	1451.81	2.37%	82.54%
29.0	699.754	39.515	1491.325	2.12%	84.78%
30.0	593.111	34.907	1526.232	1.87%	86.77%
31.0	498.824	30.387	1556.619	1.63%	88.50%
32.0	409.014	26.008	1582.627	1.39%	89.97%
33.0	330.637	21.790	1604.418	1.17%	91.21%
34.0	272.942	18.266	1622.684	0.98%	92.25%
35.0	212.649	15.081	1637.765	0.81%	93.11%
36.0	169.496	12.168	1649.932	0.65%	93.80%
37.0	121.090	9.477	1659.409	0.51%	94.34%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	89.591	7.032	1666.442	0.38%	94.74%
39.0	72.392	5.529	1671.971	0.30%	95.05%
40.0	60.805	4.645	1676.616	0.25%	95.32%
41.0	52.641	4.040	1680.656	0.22%	95.55%
42.0	46.284	3.594	1684.25	0.19%	95.75%
43.0	41.719	3.260	1687.51	0.17%	95.94%
44.0	37.813	3.002	1690.512	0.16%	96.11%
45.0	34.799	2.791	1693.302	0.15%	96.27%
46.0	32.246	2.622	1695.924	0.14%	96.42%
47.0	30.095	2.479	1698.404	0.13%	96.56%
48.0	28.318	2.361	1700.765	0.13%	96.69%
49.0	26.752	2.261	1703.026	0.12%	96.82%
50.0	25.472	2.177	1705.204	0.12%	96.94%
51.0	24.294	2.106	1707.309	0.11%	97.06%
52.0	23.270	2.041	1709.35	0.11%	97.18%
53.0	22.378	1.986	1711.336	0.11%	97.29%
54.0	21.536	1.936	1713.272	0.10%	97.40%
55.0	20.797	1.890	1715.161	0.10%	97.51%
56.0	20.007	1.844	1717.005	0.10%	97.61%
57.0	19.371	1.800	1718.806	0.10%	97.72%
58.0	18.654	1.758	1720.564	0.09%	97.82%
59.0	18.003	1.714	1722.278	0.09%	97.91%
60.0	17.345	1.670	1723.948	0.09%	98.01%
61.0	16.745	1.627	1725.574	0.09%	98.10%
62.0	16.160	1.586	1727.16	0.08%	98.19%
63.0	15.545	1.542	1728.702	0.08%	98.28%
64.0	14.974	1.498	1730.2	0.08%	98.36%
65.0	14.433	1.455	1731.655	0.08%	98.45%
66.0	13.884	1.413	1733.068	0.08%	98.53%
67.0	13.336	1.369	1734.436	0.07%	98.61%
68.0	12.816	1.325	1735.761	0.07%	98.68%
69.0	12.399	1.286	1737.048	0.07%	98.75%
70.0	11.990	1.253	1738.3	0.07%	98.82%
71.0	11.690	1.224	1739.524	0.07%	98.89%
72.0	11.412	1.201	1740.725	0.06%	98.96%
73.0	11.156	1.180	1741.905	0.06%	99.03%
74.0	10.922	1.161	1743.066	0.06%	99.10%
75.0	10.651	1.140	1744.206	0.06%	99.16%

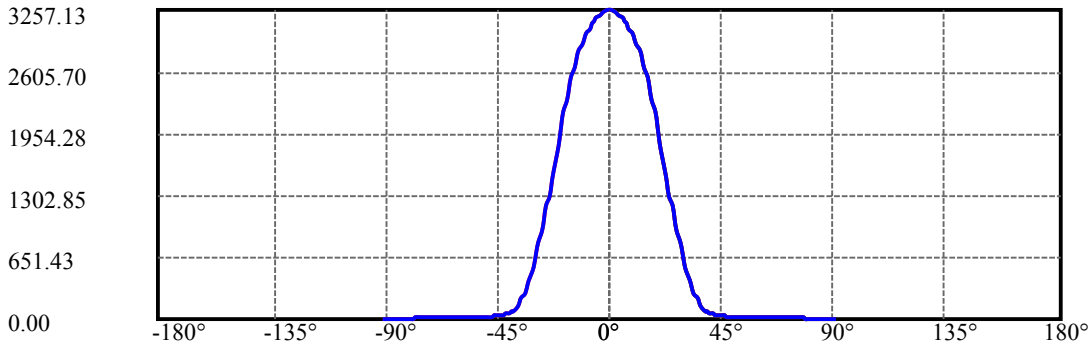
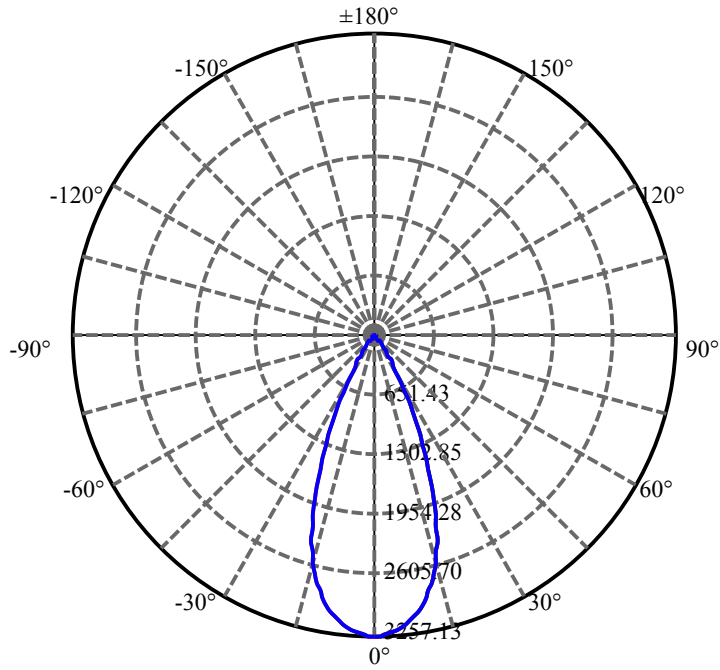
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.446	1.120	1745.326	0.06%	99.22%
77.0	10.190	1.100	1746.426	0.06%	99.29%
78.0	10.007	1.081	1747.507	0.06%	99.35%
79.0	9.751	1.062	1748.569	0.06%	99.41%
80.0	9.561	1.041	1749.61	0.06%	99.47%
81.0	9.349	1.023	1750.633	0.05%	99.53%
82.0	9.122	1.002	1751.634	0.05%	99.58%
83.0	8.932	0.981	1752.616	0.05%	99.64%
84.0	8.727	0.962	1753.578	0.05%	99.69%
85.0	8.559	0.943	1754.521	0.05%	99.75%
86.0	8.332	0.923	1755.445	0.05%	99.80%
87.0	8.200	0.905	1756.349	0.05%	99.85%
88.0	8.025	0.889	1757.238	0.05%	99.90%
89.0	7.871	0.871	1758.11	0.05%	99.95%
90.0	7.798	0.859	1758.969	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1526.23	81.70%	86.77%
0-40	1676.62	89.75%	95.32%
0-60	1723.95	92.29%	98.01%
0-90	1758.11	94.12%	99.95%
0-120	1758.11	94.12%	99.95%
0-180	1758.97	94.16%	100.00%
60-90	34.16	1.83%	1.94%
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%
0-26.99	1407.18	75.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	296.56
10-20	693.92
20-30	535.76
30-40	150.38
40-50	28.59
50-60	18.74
60-70	14.35
70-80	11.31
80-90	8.50
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: —————

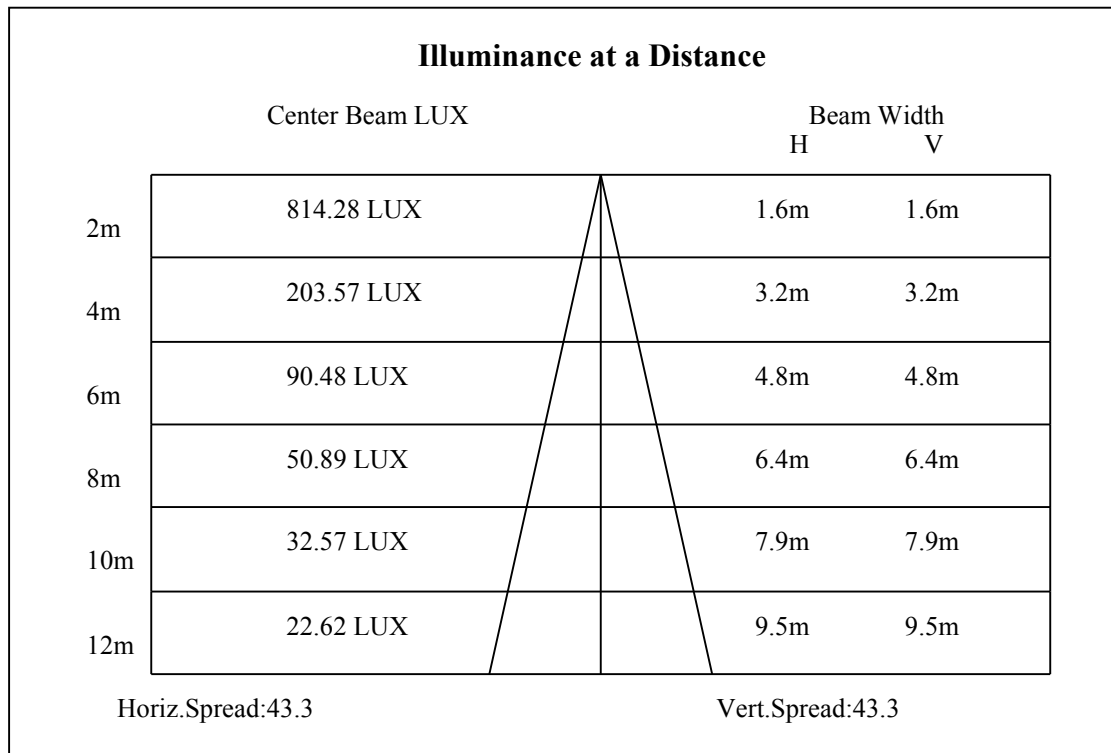
C90/C270: —————

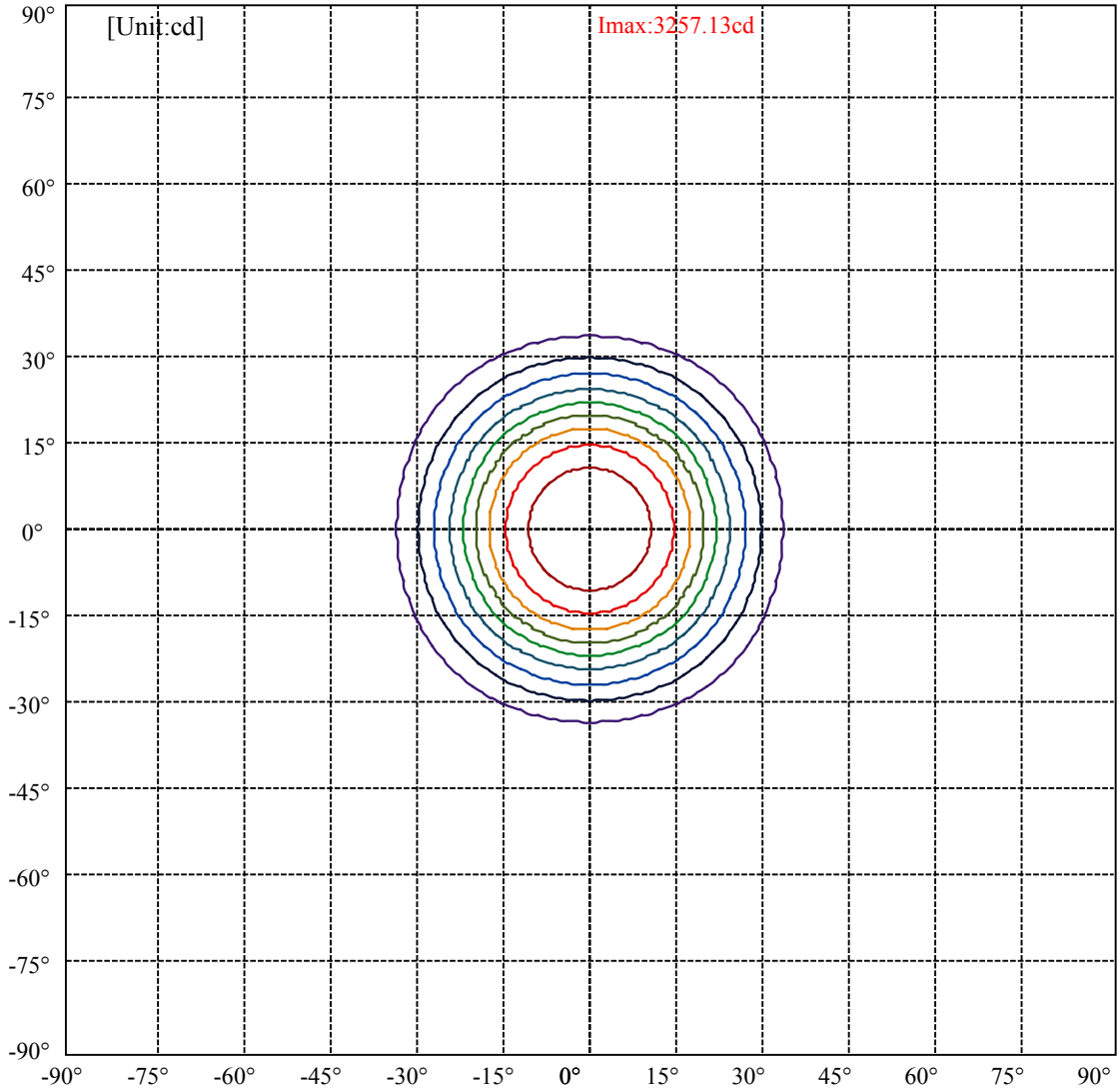
Field angle(10%Imax):C0/180Left:33.1 Right:33.1

:C90/270Left:33.1 Right:33.1

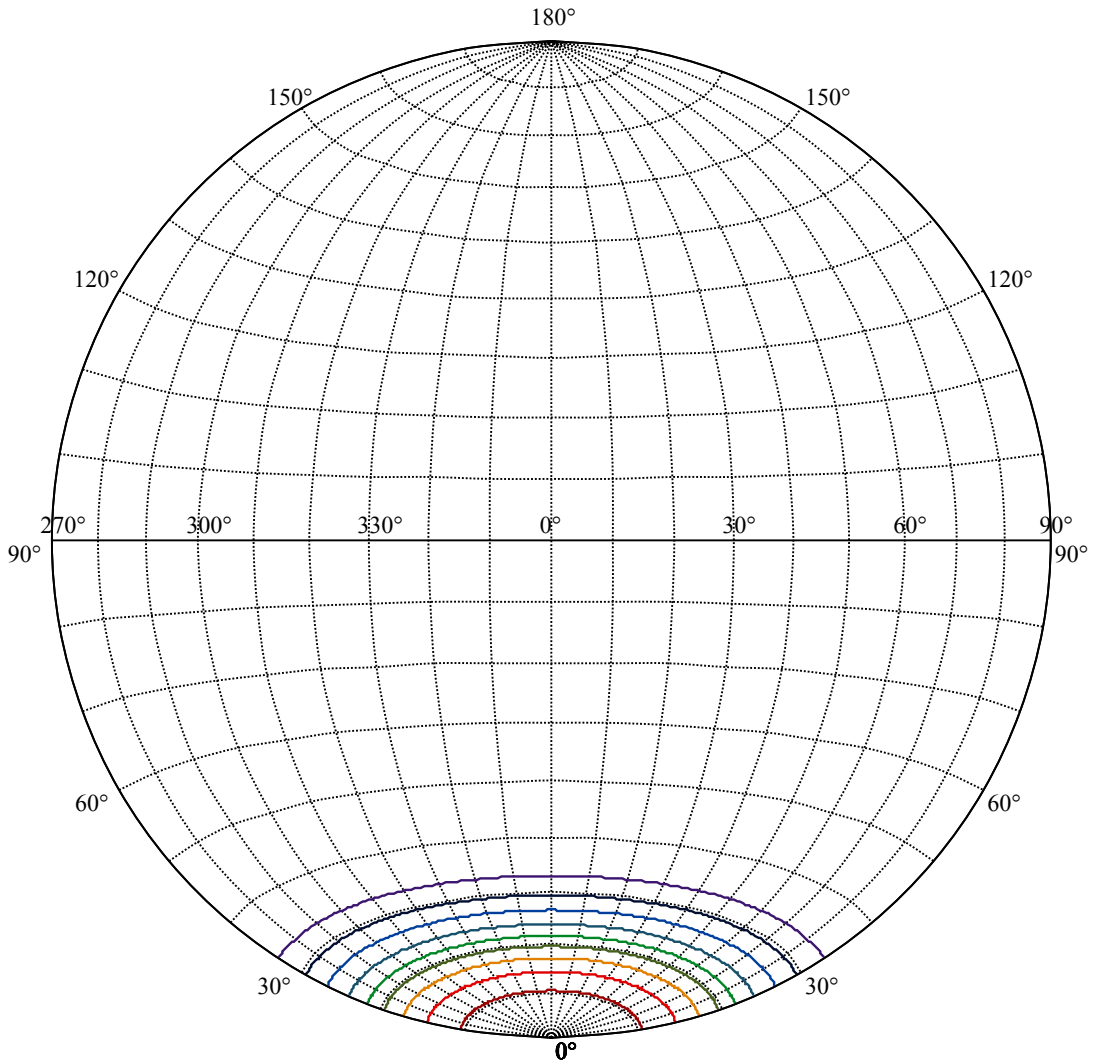
Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6

:C90/270Left:21.6 Right:21.6





(10%Imax) 325.713	—
(20%Imax) 651.426	—
(30%Imax) 977.139	—
(40%Imax) 1302.85	—
(50%Imax) 1628.56	—
(60%Imax) 1954.28	—
(70%Imax) 2279.99	—
(80%Imax) 2605.7	—
(90%Imax) 2931.42	—



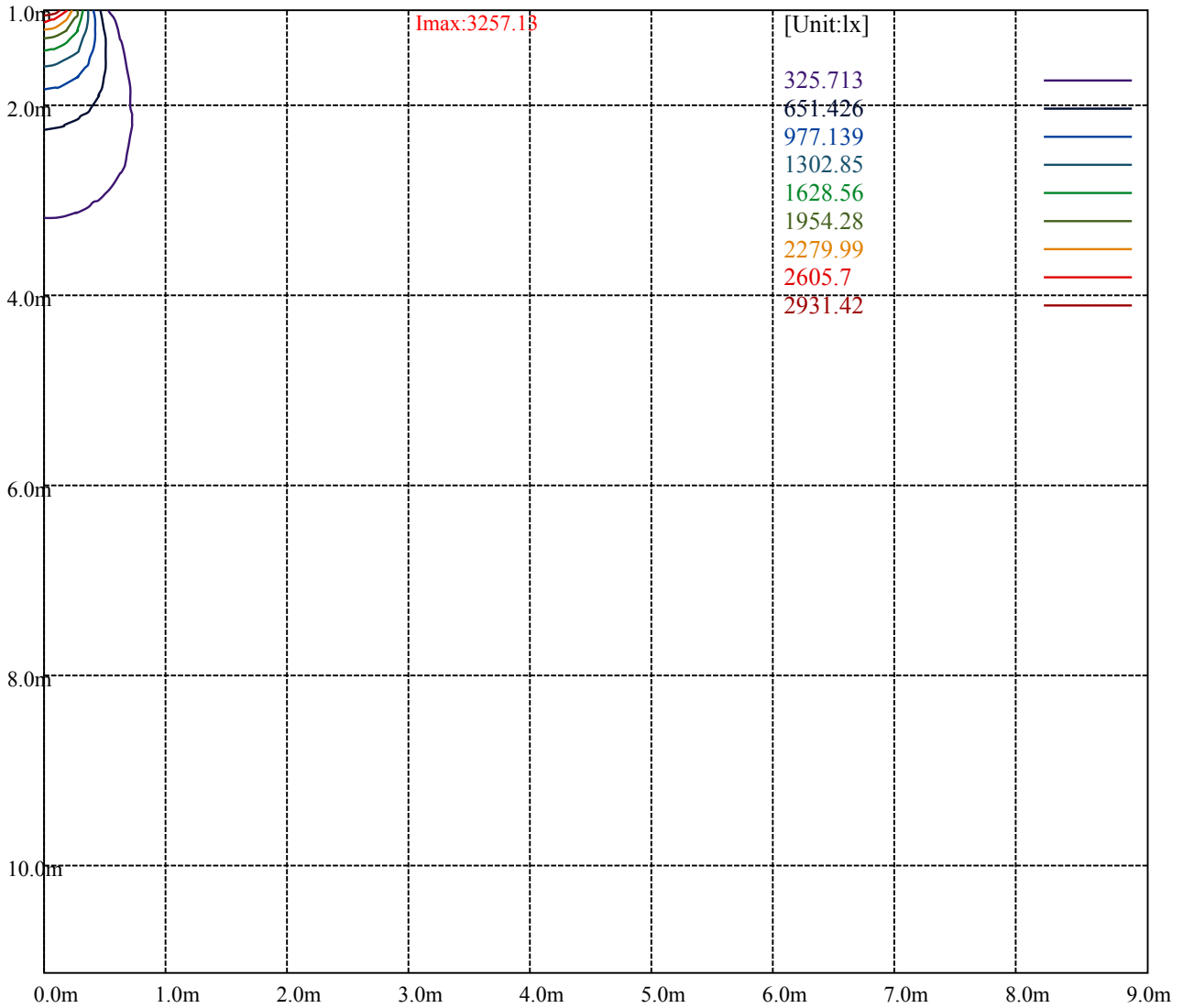
House

[Unit:cd]

Road

Imax:3257.13

(10%Imax)	325.713	—
(20%Imax)	651.426	—
(30%Imax)	977.139	—
(40%Imax)	1302.85	—
(50%Imax)	1628.56	—
(60%Imax)	1954.28	—
(70%Imax)	2279.99	—
(80%Imax)	2605.7	—
(90%Imax)	2931.42	—



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

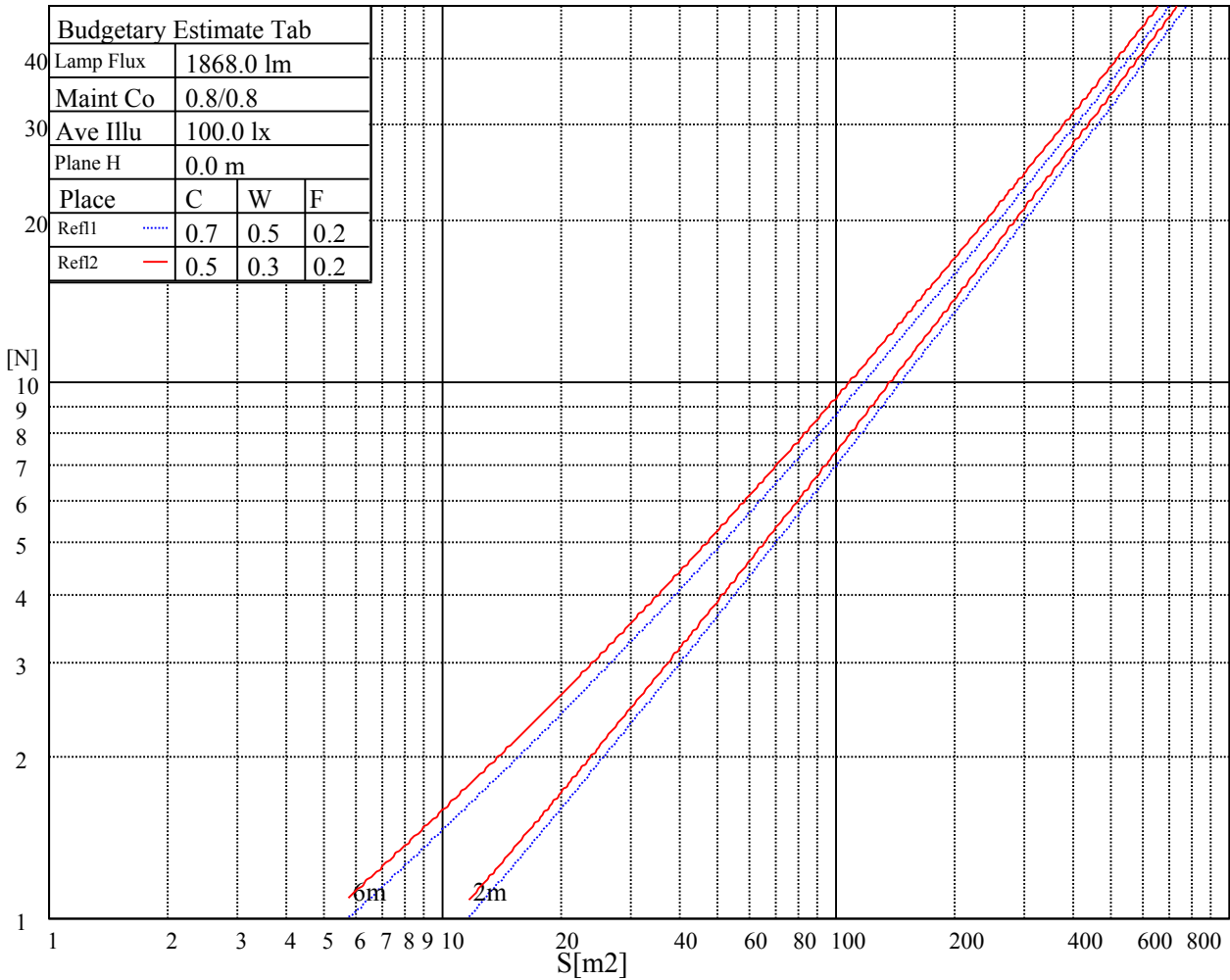
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

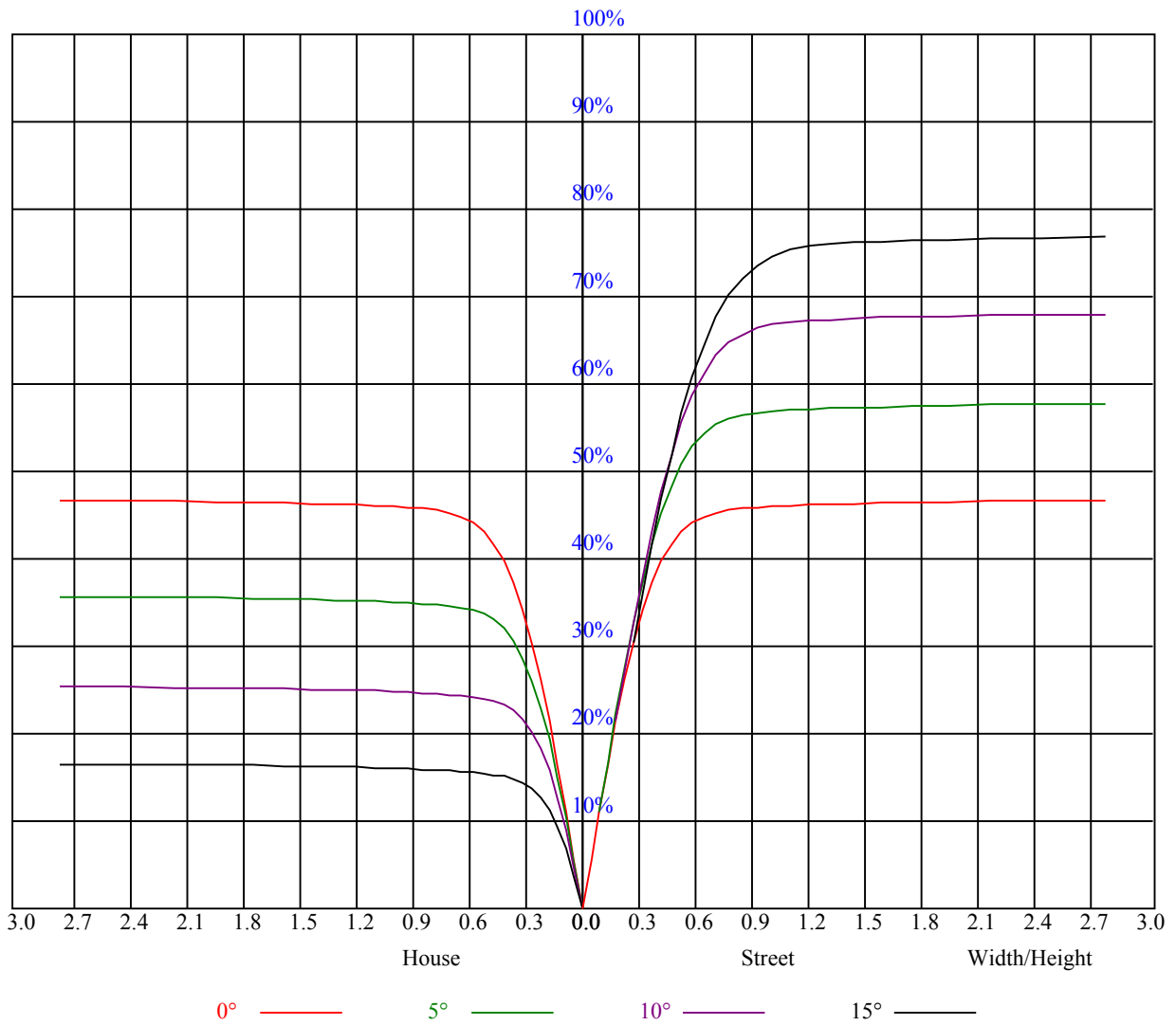


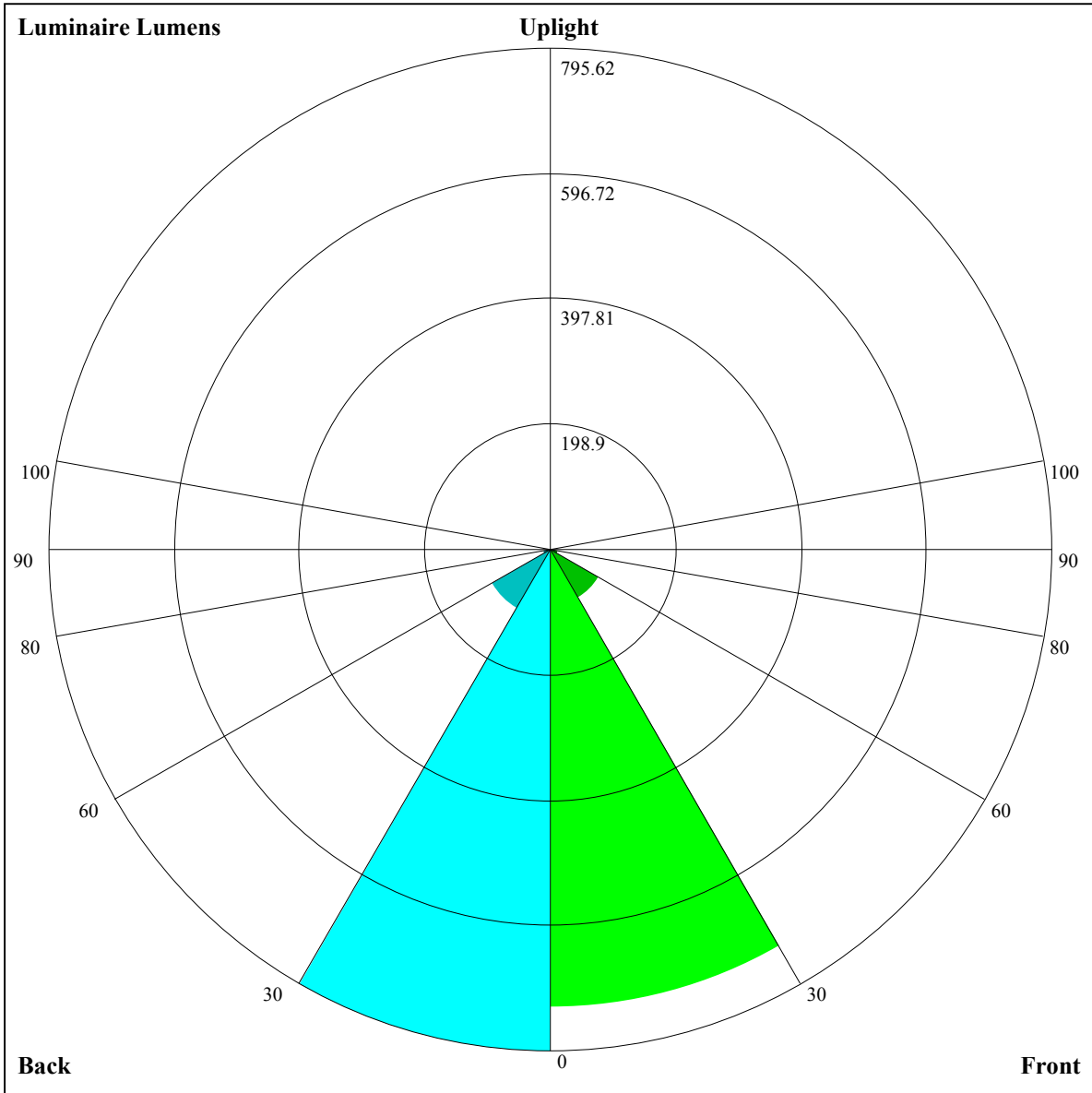
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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
8H	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
12H	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	1.12	1.12	1.12	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.88	0.85	0.91	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.81	0.79
4	0.88	0.83	0.80	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
7	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.56





Luminaire Lumens:

FL=727.1,FM=88.17,FH=12.5,FVH=4.6

BL=795.62,BM=109.03,BH=13.07,BVH=4.74

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	3242.21	3227.57	3213.53	3183.10	3140.96	3097.07	3046.15	2999.34	2946.08
45.0	3258.59	3258.59	3262.10	3255.67	3243.38	3224.06	3188.95	3142.13	3092.97
90.0	3277.32	3282.59	3296.63	3293.70	3284.34	3253.91	3216.46	3184.27	3146.23
135.0	3250.40	3273.81	3293.12	3300.14	3304.24	3310.09	3299.56	3269.13	3228.74
180.0	3242.21	3262.10	3257.42	3262.10	3250.40	3237.52	3215.28	3196.56	3153.25
225.0	3258.59	3239.86	3197.73	3181.34	3163.78	3146.81	3101.75	3056.69	3021.58
270.0	3277.32	3254.49	3217.04	3176.66	3145.64	3121.06	3080.68	3031.52	2988.80
315.0	3250.40	3217.63	3180.17	3158.52	3106.43	3056.69	3017.48	2976.51	2940.81
360.0	3242.21	3227.57	3213.53	3183.10	3140.96	3097.07	3046.15	2999.34	2946.08
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2878.20	2808.55	2743.01	2656.98	2533.50	2423.48	2303.50	2181.19	2030.20
45.0	3042.64	2997.00	2937.89	2843.67	2769.34	2675.71	2573.88	2440.45	2322.23
90.0	3104.09	3041.47	2981.78	2915.65	2821.43	2699.70	2603.72	2474.39	2337.45
135.0	3193.63	3146.23	3091.80	3030.35	2958.96	2878.20	2800.36	2683.32	2568.61
180.0	3114.63	3084.78	3025.09	2965.98	2901.60	2813.82	2730.13	2645.86	2545.79
225.0	2973.00	2920.92	2836.06	2772.27	2695.02	2615.43	2499.55	2400.65	2292.38
270.0	2947.25	2895.17	2849.52	2785.14	2721.35	2644.69	2559.25	2419.96	2311.70
315.0	2891.66	2814.41	2742.42	2659.32	2566.86	2442.20	2338.03	2208.70	2088.73
360.0	2878.20	2808.55	2743.01	2656.98	2533.50	2423.48	2303.50	2181.19	2030.20
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1909.65	1782.07	1619.38	1493.55	1160.44	1160.44	1107.83	1002.67	862.39
45.0	2197.58	2074.68	1926.03	1801.38	1668.53	1506.43	1380.02	1219.67	1105.55
90.0	2183.53	2027.86	1896.19	1761.59	1567.29	1316.81	1153.30	1153.30	1009.86
135.0	2444.54	2309.36	2140.23	2005.62	1873.36	1734.08	1559.68	1420.98	1287.55
180.0	2418.79	2290.04	2154.86	2026.69	1875.70	1738.76	1606.50	1437.96	1302.77
225.0	2170.66	2012.06	1881.56	1749.30	1611.77	1446.15	1161.09	1161.09	1045.97
270.0	2150.18	2006.80	1856.39	1693.70	1572.56	1429.18	1289.89	1139.49	1020.11
315.0	1930.72	1795.53	1653.90	1478.34	1156.40	1156.40	1070.26	951.69	838.69
360.0	1909.65	1782.07	1619.38	1493.55	1160.44	1160.44	1107.83	1002.67	862.39
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	748.50	640.59	521.20	438.04	363.13	294.43	217.76	165.68	125.88
45.0	990.84	848.05	738.61	636.78	541.39	433.13	354.70	304.96	304.96
90.0	895.39	787.89	686.70	569.19	484.62	412.06	326.61	263.18	191.02
135.0	1124.86	1007.82	901.31	772.56	675.41	560.12	473.51	393.33	320.18
180.0	1183.97	1025.96	908.33	769.04	665.46	560.12	466.48	365.24	310.81
225.0	930.33	788.53	681.85	581.13	462.04	373.49	296.18	230.23	163.04
270.0	912.42	792.45	656.68	558.36	468.24	371.68	302.03	302.03	170.53
315.0	699.81	593.48	503.35	419.78	330.30	267.10	207.81	158.89	114.76
360.0	748.50	640.59	521.20	438.04	363.13	294.43	217.76	165.68	125.88
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.79	77.25	64.49	53.02	46.70	42.19	37.92	34.88	32.30
45.0	152.92	120.56	95.27	79.47	63.91	55.54	48.05	43.77	40.26
90.0	144.38	109.67	87.49	70.70	61.21	53.72	47.75	42.55	39.21
135.0	303.21	224.38	130.04	98.49	79.47	64.96	56.71	50.15	44.30
180.0	310.81	169.72	117.45	90.65	74.56	64.20	54.84	48.81	43.42
225.0	124.95	99.20	81.93	66.83	57.53	50.27	43.54	39.39	35.29
270.0	128.22	93.69	76.96	65.31	56.36	47.99	42.72	38.68	35.52
315.0	92.70	74.27	63.09	54.66	46.70	42.25	38.74	35.52	32.19
360.0	98.79	77.25	64.49	53.02	46.70	42.19	37.92	34.88	32.30

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	30.20	28.03	26.57	25.40	24.23	23.06	22.24	21.54	20.60
45.0	36.40	33.88	31.66	29.79	27.92	26.45	25.28	24.17	23.00
90.0	36.17	33.18	31.08	29.44	27.74	26.39	25.28	24.11	23.35
135.0	40.85	37.22	34.70	32.54	30.37	28.91	27.68	26.51	25.57
180.0	40.03	37.28	34.18	32.19	30.49	29.09	27.39	26.28	25.22
225.0	32.66	30.31	28.44	26.45	25.11	23.99	22.94	21.83	21.07
270.0	32.07	29.85	27.74	25.69	24.35	23.12	21.95	21.01	20.25
315.0	30.02	28.21	26.39	25.05	23.82	22.77	21.59	20.72	19.96
360.0	30.20	28.03	26.57	25.40	24.23	23.06	22.24	21.54	20.60
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.96	19.43	18.73	18.20	17.67	17.09	16.50	15.98	15.45
45.0	22.18	21.36	20.42	19.72	18.90	18.26	17.62	17.03	16.27
90.0	22.53	21.71	20.66	19.96	19.31	18.43	17.79	17.15	16.74
135.0	24.46	23.76	22.94	22.30	21.42	20.72	19.72	19.02	18.20
180.0	24.29	23.17	22.36	21.65	20.78	20.01	19.08	18.43	17.79
225.0	20.37	19.55	18.90	18.32	17.56	17.03	16.50	15.80	15.39
270.0	19.49	18.96	18.32	17.67	16.91	16.33	15.86	15.45	14.86
315.0	19.02	18.43	17.73	17.15	16.68	16.15	15.68	15.10	14.57
360.0	19.96	19.43	18.73	18.20	17.67	17.09	16.50	15.98	15.45
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.75	14.22	13.69	13.23	12.70	12.41	12.11	11.82	11.59
45.0	15.80	15.22	14.69	13.99	13.46	12.93	12.47	12.00	11.65
90.0	15.86	15.27	14.69	14.28	13.52	12.76	12.35	11.94	11.65
135.0	17.38	16.74	16.15	15.33	14.69	14.05	13.40	12.58	12.11
180.0	17.21	16.44	15.86	15.27	14.69	13.93	13.40	12.93	12.47
225.0	14.86	14.40	13.81	13.28	12.76	12.35	11.88	11.65	11.47
270.0	14.40	13.99	13.52	13.05	12.58	12.17	11.88	11.65	11.41
315.0	14.10	13.52	13.05	12.64	12.29	11.94	11.70	11.35	11.18
360.0	14.75	14.22	13.69	13.23	12.70	12.41	12.11	11.82	11.59
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.29	11.06	10.83	10.53	10.36	10.12	9.95	9.66	9.48
45.0	11.35	11.12	10.89	10.53	10.36	10.12	9.89	9.66	9.48
90.0	11.35	11.12	10.89	10.65	10.36	10.12	9.95	9.66	9.48
135.0	11.82	11.53	11.29	11.00	10.77	10.48	10.36	10.12	9.95
180.0	12.23	11.94	11.65	11.41	11.24	10.94	10.71	10.48	10.30
225.0	11.12	10.89	10.71	10.42	10.18	9.95	9.77	9.54	9.31
270.0	11.18	10.94	10.71	10.42	10.24	10.01	9.83	9.54	9.36
315.0	10.94	10.65	10.42	10.24	10.07	9.77	9.60	9.36	9.13
360.0	11.29	11.06	10.83	10.53	10.36	10.12	9.95	9.66	9.48
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.25	9.07	8.84	8.66	8.54	8.25	8.13	7.90	7.72
45.0	9.25	9.01	8.84	8.60	8.43	8.19	8.08	7.90	7.78
90.0	9.25	9.01	8.78	8.60	8.43	8.19	8.08	7.90	7.72
135.0	9.71	9.48	9.25	9.01	8.84	8.60	8.43	8.25	8.08
180.0	10.07	9.83	9.66	9.42	9.19	9.01	8.90	8.72	8.49
225.0	9.13	8.90	8.78	8.54	8.37	8.19	8.02	7.90	7.72
270.0	9.13	8.90	8.72	8.54	8.37	8.13	8.02	7.84	7.72
315.0	9.01	8.78	8.60	8.43	8.31	8.08	7.96	7.78	7.72
360.0	9.25	9.07	8.84	8.66	8.54	8.25	8.13	7.90	7.72

Intensity data(cd)

C/γ(°)	90.0
0.0	7.72
45.0	7.67
90.0	7.67
135.0	7.96
180.0	8.25
225.0	7.72
270.0	7.67
315.0	7.72
360.0	7.72