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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.412.00

Report No: 2024322-B004

Ballast type: AC

Test No: 2024322-C004

Voltage(V): 34.720

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.033

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2943.80, Efficiency(%): 84.45% , Luminous Efficacy(lm/W): 146.95

Central intensity(cd): 9804.479, Maximum intensity(cd): 9804.479

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=23.6

[C90/270]Total=23.6

Field angle(10%Imax): [C0/180]Total=60.8

[C90/270]Total=60.8

Maximum s/h(1/2): C0_180=0.39 C90_270=0.39

Maximum s/h(1/4): C0_180=0.46 C90_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.45%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.855%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
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	9804.479	0.000	0	0.00%	0.00%
1.0	9719.256	9.342	9.342	0.27%	0.32%
2.0	9457.075	27.524	36.865	0.79%	1.25%
3.0	9091.529	44.362	81.228	1.27%	2.76%
4.0	8640.759	59.356	140.583	1.70%	4.78%
5.0	8159.631	72.274	212.858	2.07%	7.23%
6.0	7650.412	83.086	295.944	2.38%	10.05%
7.0	7139.657	91.802	387.745	2.63%	13.17%
8.0	6651.945	98.704	486.449	2.83%	16.52%
9.0	6177.547	103.976	590.425	2.98%	20.06%
10.0	5703.881	107.523	697.948	3.08%	23.71%
11.0	5261.085	109.563	807.51	3.14%	27.43%
12.0	4819.094	110.191	917.701	3.16%	31.17%
13.0	4425.823	109.714	1027.415	3.15%	34.90%
14.0	4072.127	108.773	1136.188	3.12%	38.60%
15.0	3718.944	106.959	1243.147	3.07%	42.23%
16.0	3405.775	104.397	1347.544	2.99%	45.78%
17.0	3147.984	102.060	1449.604	2.93%	49.24%
18.0	2893.777	99.616	1549.22	2.86%	52.63%
19.0	2671.318	96.821	1646.041	2.78%	55.92%
20.0	2465.319	94.015	1740.056	2.70%	59.11%
21.0	2284.923	91.214	1831.27	2.62%	62.21%
22.0	2117.110	88.461	1919.731	2.54%	65.21%
23.0	1967.731	85.711	2005.442	2.46%	68.12%
24.0	1828.667	83.003	2088.444	2.38%	70.94%
25.0	1711.037	80.485	2168.93	2.31%	73.68%
26.0	1586.677	77.843	2246.773	2.23%	76.32%
27.0	1409.756	73.308	2320.081	2.10%	78.81%
28.0	1259.353	67.576	2387.657	1.94%	81.11%
29.0	1164.393	63.412	2451.069	1.82%	83.26%
30.0	1032.220	59.308	2510.377	1.70%	85.28%
31.0	891.254	53.527	2563.905	1.54%	87.10%
32.0	755.569	47.180	2611.084	1.35%	88.70%
33.0	631.107	40.852	2651.936	1.17%	90.09%
34.0	522.547	34.913	2686.849	1.00%	91.27%
35.0	411.911	29.021	2715.87	0.83%	92.26%
36.0	315.312	23.155	2739.025	0.66%	93.04%
37.0	256.899	18.662	2757.687	0.54%	93.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	215.919	15.782	2773.469	0.45%	94.21%
39.0	142.371	12.229	2785.699	0.35%	94.63%
40.0	103.087	8.561	2794.259	0.25%	94.92%
41.0	91.493	6.929	2801.188	0.20%	95.16%
42.0	83.080	6.343	2807.531	0.18%	95.37%
43.0	76.072	5.895	2813.426	0.17%	95.57%
44.0	70.088	5.516	2818.943	0.16%	95.76%
45.0	64.667	5.179	2824.122	0.15%	95.93%
46.0	60.095	4.879	2829.001	0.14%	96.10%
47.0	56.050	4.619	2833.62	0.13%	96.26%
48.0	52.312	4.381	2838.001	0.13%	96.41%
49.0	48.969	4.159	2842.16	0.12%	96.55%
50.0	46.130	3.965	2846.125	0.11%	96.68%
51.0	43.680	3.800	2849.925	0.11%	96.81%
52.0	41.397	3.651	2853.575	0.10%	96.94%
53.0	39.539	3.521	2857.096	0.10%	97.05%
54.0	38.076	3.421	2860.517	0.10%	97.17%
55.0	37.023	3.352	2863.869	0.10%	97.28%
56.0	36.299	3.313	2867.182	0.10%	97.40%
57.0	35.999	3.306	2870.488	0.09%	97.51%
58.0	36.072	3.333	2873.821	0.10%	97.62%
59.0	36.350	3.386	2877.207	0.10%	97.74%
60.0	36.591	3.446	2880.653	0.10%	97.85%
61.0	36.423	3.484	2884.137	0.10%	97.97%
62.0	35.684	3.475	2887.612	0.10%	98.09%
63.0	34.272	3.402	2891.014	0.10%	98.21%
64.0	32.239	3.264	2894.278	0.09%	98.32%
65.0	29.795	3.070	2897.348	0.09%	98.42%
66.0	27.147	2.841	2900.189	0.08%	98.52%
67.0	25.048	2.624	2902.813	0.08%	98.61%
68.0	23.175	2.443	2905.256	0.07%	98.69%
69.0	21.873	2.298	2907.554	0.07%	98.77%
70.0	20.878	2.196	2909.75	0.06%	98.84%
71.0	20.249	2.126	2911.875	0.06%	98.92%
72.0	19.642	2.074	2913.949	0.06%	98.99%
73.0	19.122	2.027	2915.977	0.06%	99.05%
74.0	18.581	1.982	2917.959	0.06%	99.12%
75.0	18.120	1.939	2919.898	0.06%	99.19%

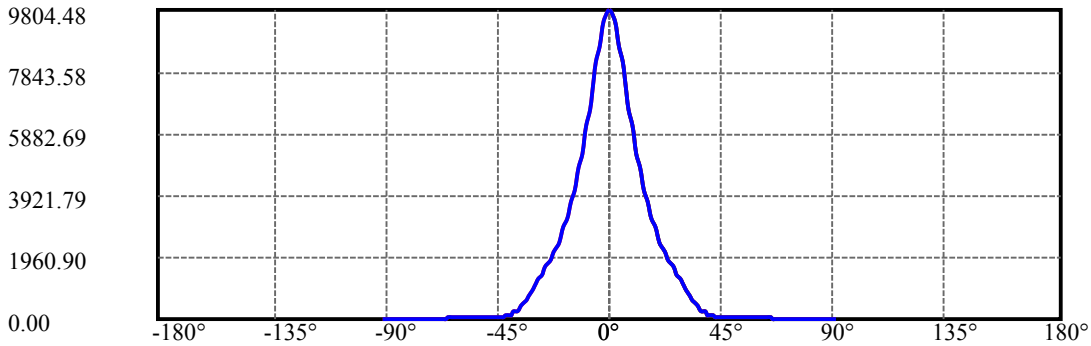
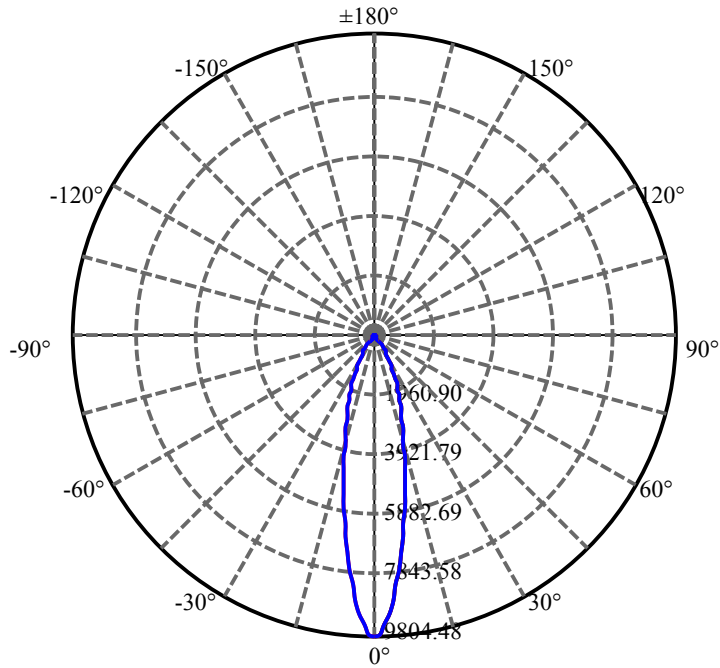
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.666	1.900	2921.797	0.05%	99.25%
77.0	17.206	1.859	2923.657	0.05%	99.32%
78.0	16.723	1.816	2925.473	0.05%	99.38%
79.0	16.196	1.769	2927.242	0.05%	99.44%
80.0	15.699	1.720	2928.961	0.05%	99.50%
81.0	15.157	1.669	2930.63	0.05%	99.55%
82.0	14.645	1.616	2932.246	0.05%	99.61%
83.0	14.199	1.568	2933.814	0.04%	99.66%
84.0	13.833	1.527	2935.341	0.04%	99.71%
85.0	13.475	1.490	2936.832	0.04%	99.76%
86.0	13.109	1.453	2938.285	0.04%	99.81%
87.0	12.809	1.418	2939.703	0.04%	99.86%
88.0	12.553	1.389	2941.092	0.04%	99.91%
89.0	12.312	1.363	2942.455	0.04%	99.95%
90.0	12.253	1.347	2943.802	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2510.38	72.01%	85.28%
0-40	2794.26	80.16%	94.92%
0-60	2880.65	82.63%	97.85%
0-90	2942.46	84.41%	99.95%
0-120	2942.46	84.41%	99.95%
0-180	2943.80	84.45%	100.00%
60-90	61.80	1.77%	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%
0-27.52	2355.04	67.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	697.95
10-20	1042.11
20-30	770.32
30-40	283.88
40-50	51.87
50-60	34.53
60-70	29.10
70-80	19.21
80-90	13.49
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: —————

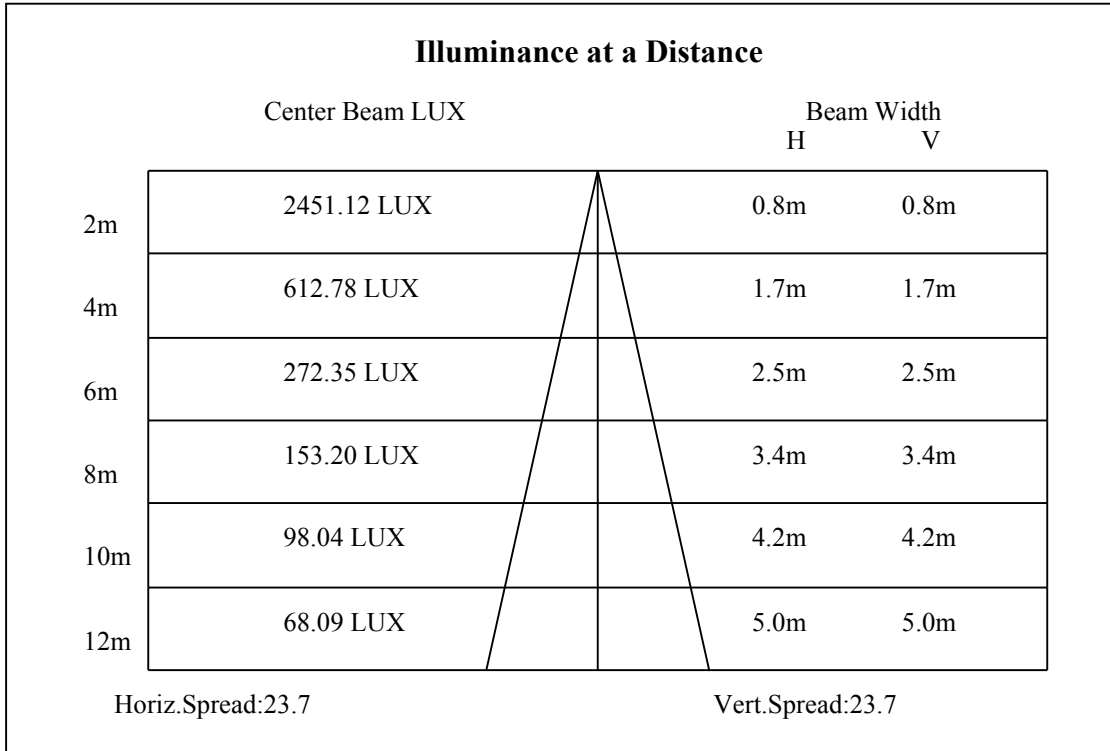
C90/C270: —————

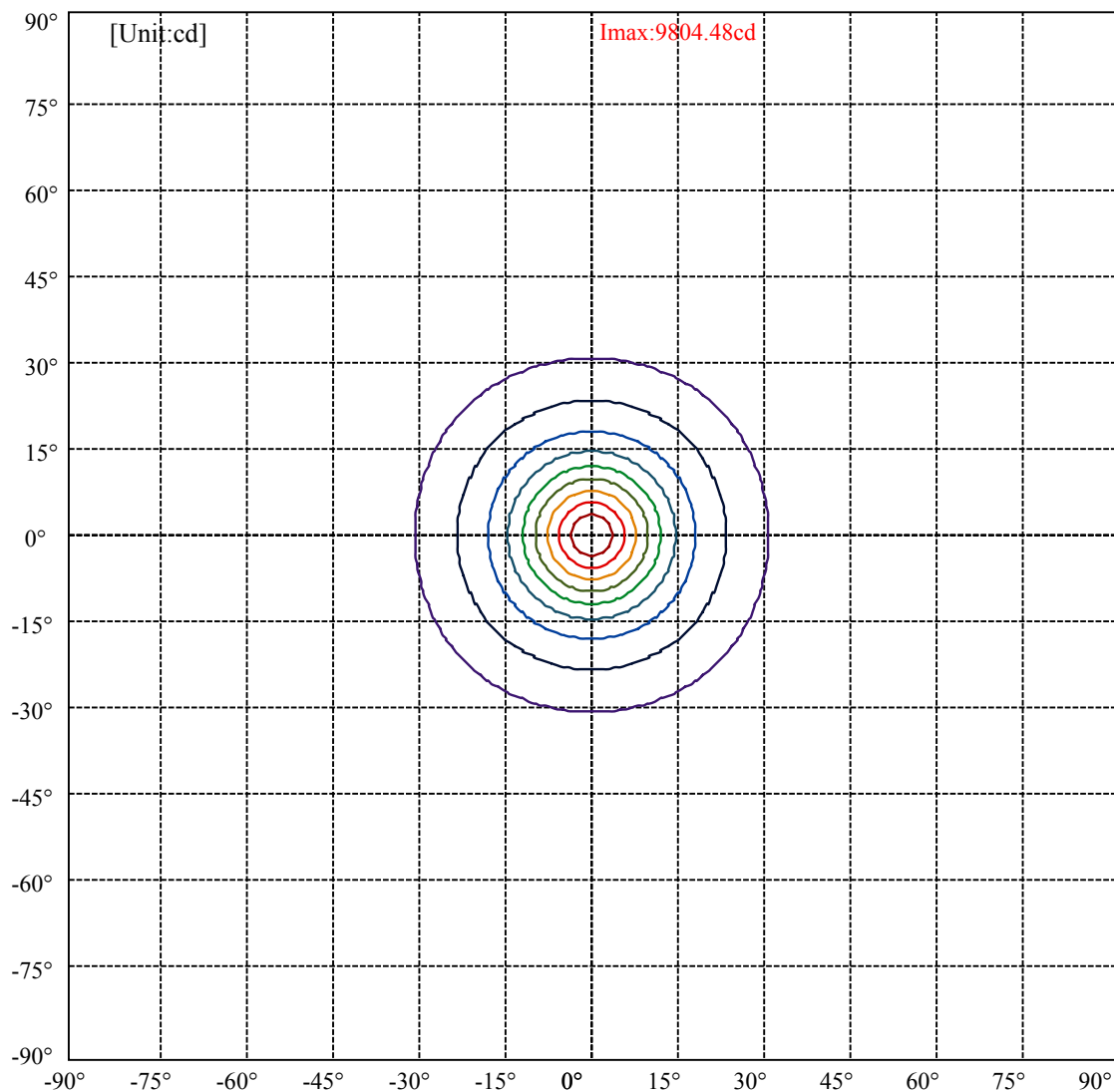
Field angle(10%Imax):C0/180Left:30.4 Right:30.4

:C90/270Left:30.4 Right:30.4

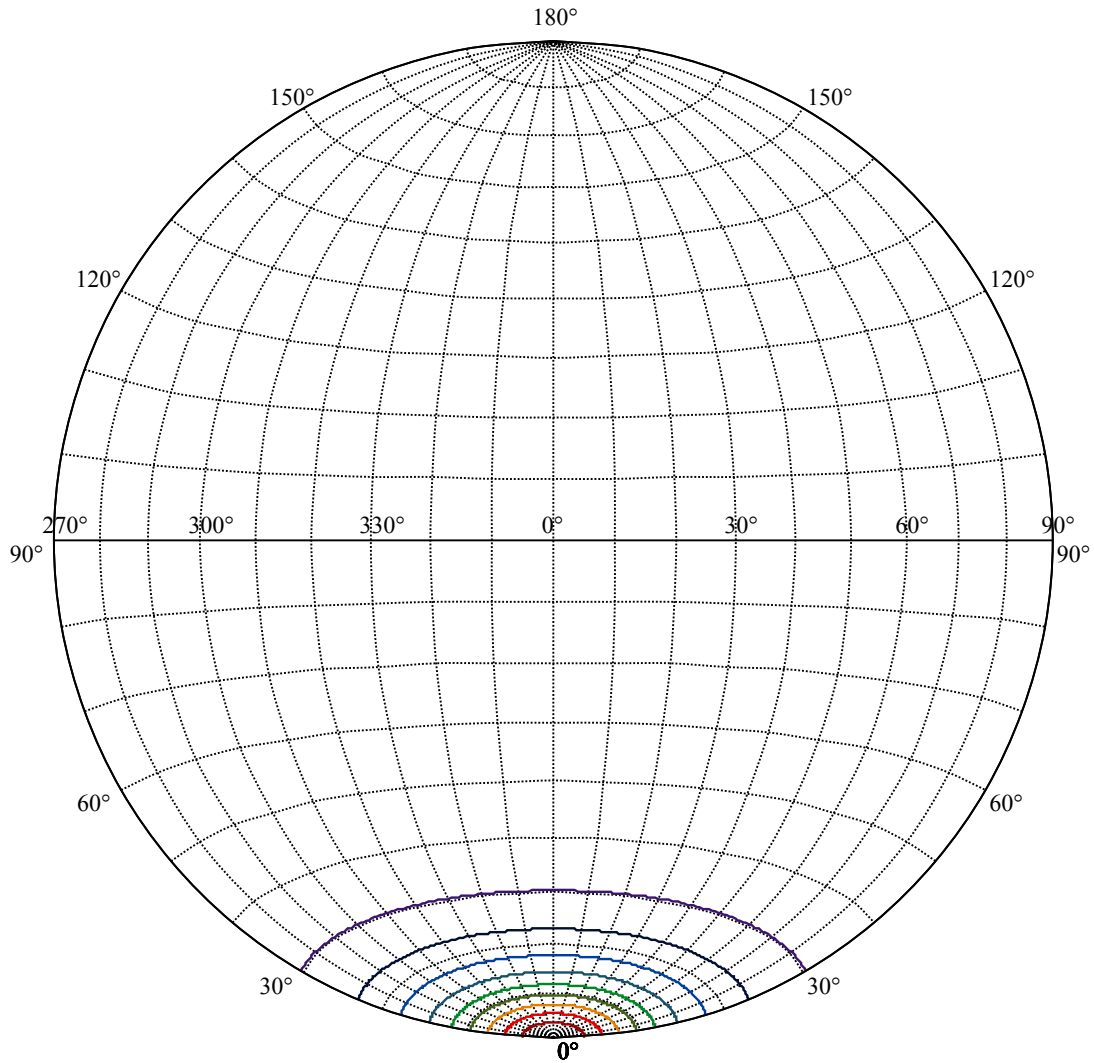
Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8

:C90/270Left:11.8 Right:11.8





(10%Imax) 980.448	—
(20%Imax) 1960.9	—
(30%Imax) 2941.34	—
(40%Imax) 3921.79	—
(50%Imax) 4902.24	—
(60%Imax) 5882.69	—
(70%Imax) 6863.14	—
(80%Imax) 7843.58	—
(90%Imax) 8824.03	—



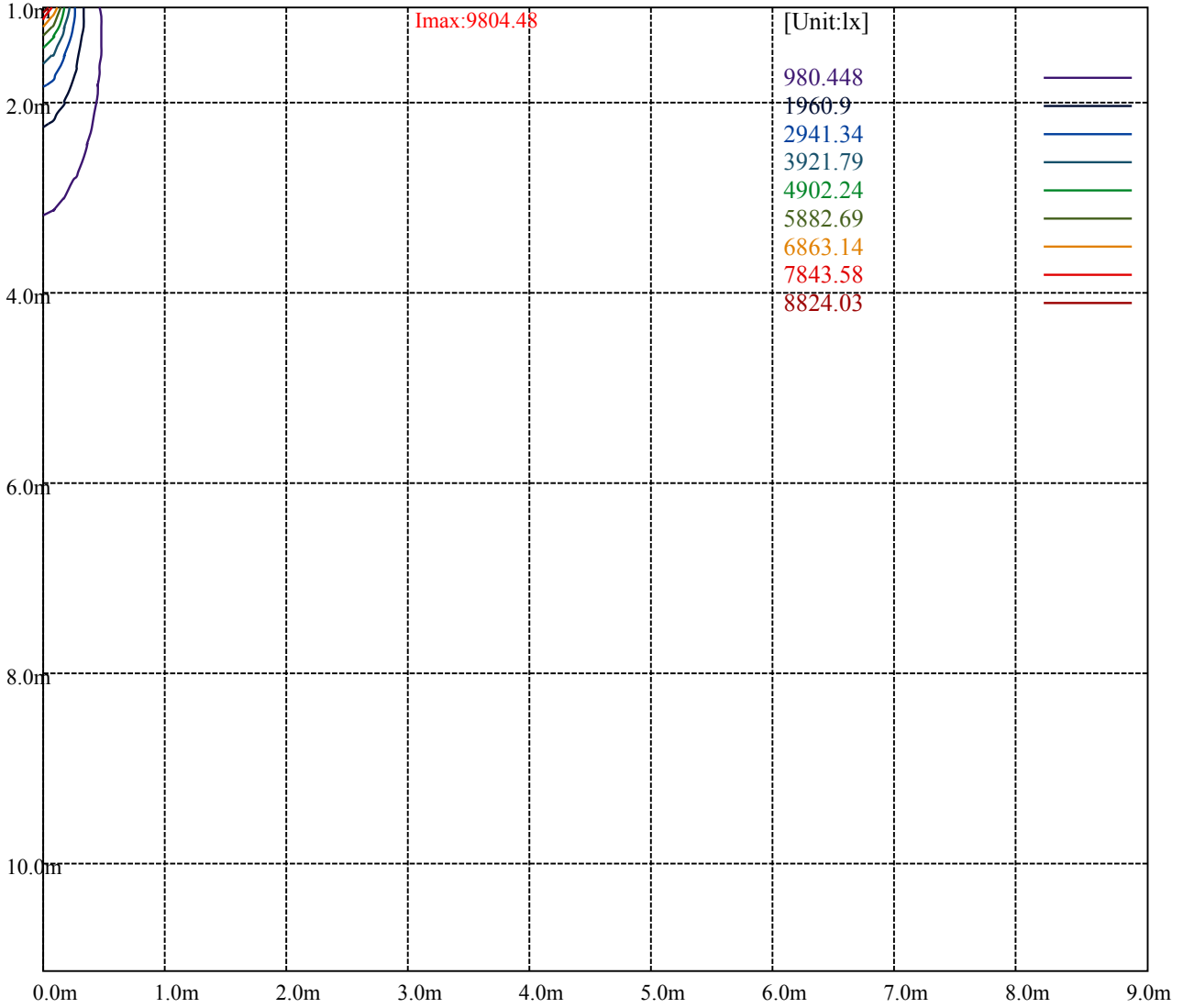
House

[Unit:cd]

Road

Imax:9804.48

(10%Imax) 980.448	—
(20%Imax) 1960.9	—
(30%Imax) 2941.34	—
(40%Imax) 3921.79	—
(50%Imax) 4902.24	—
(60%Imax) 5882.69	—
(70%Imax) 6863.14	—
(80%Imax) 7843.58	—
(90%Imax) 8824.03	—



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

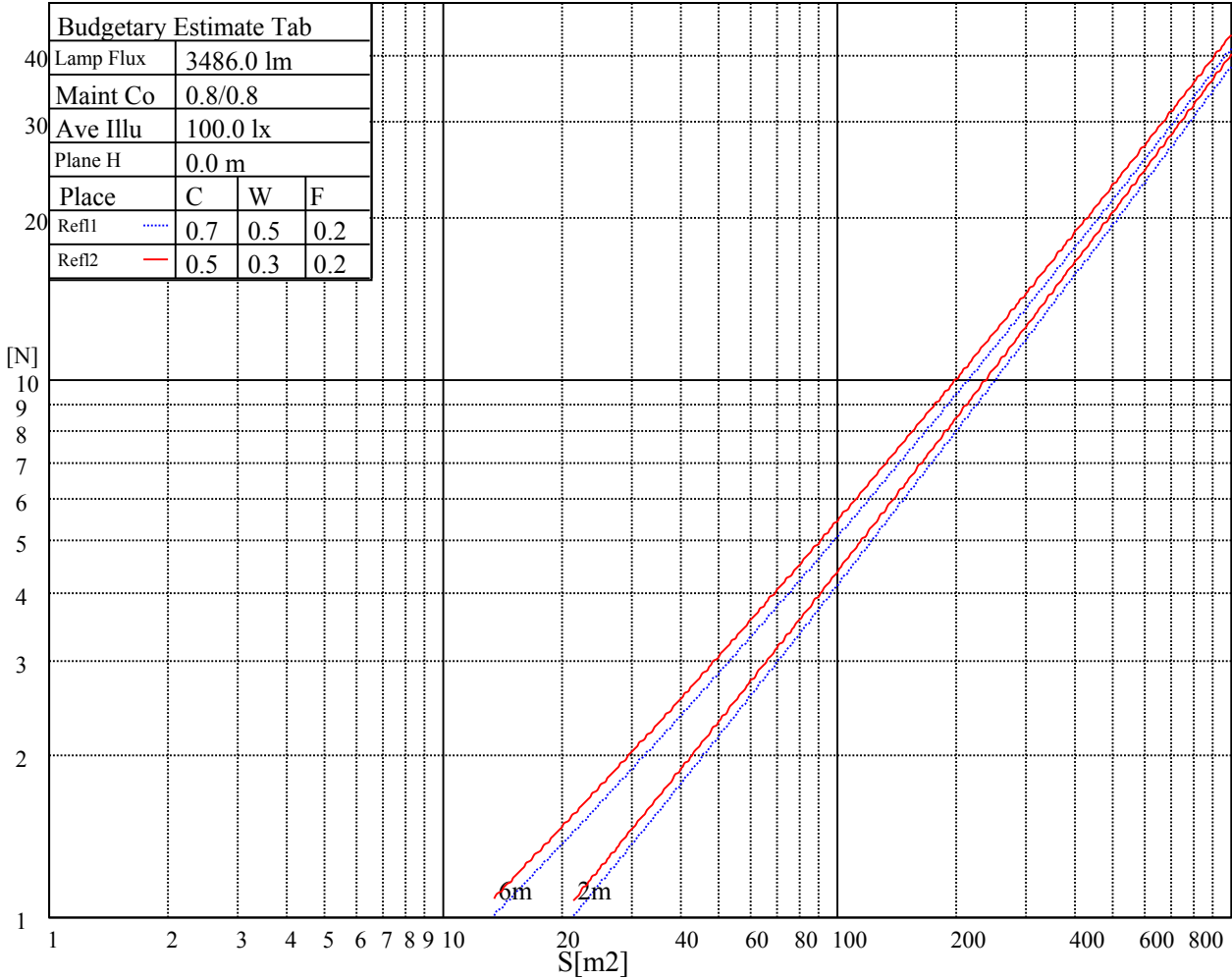
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

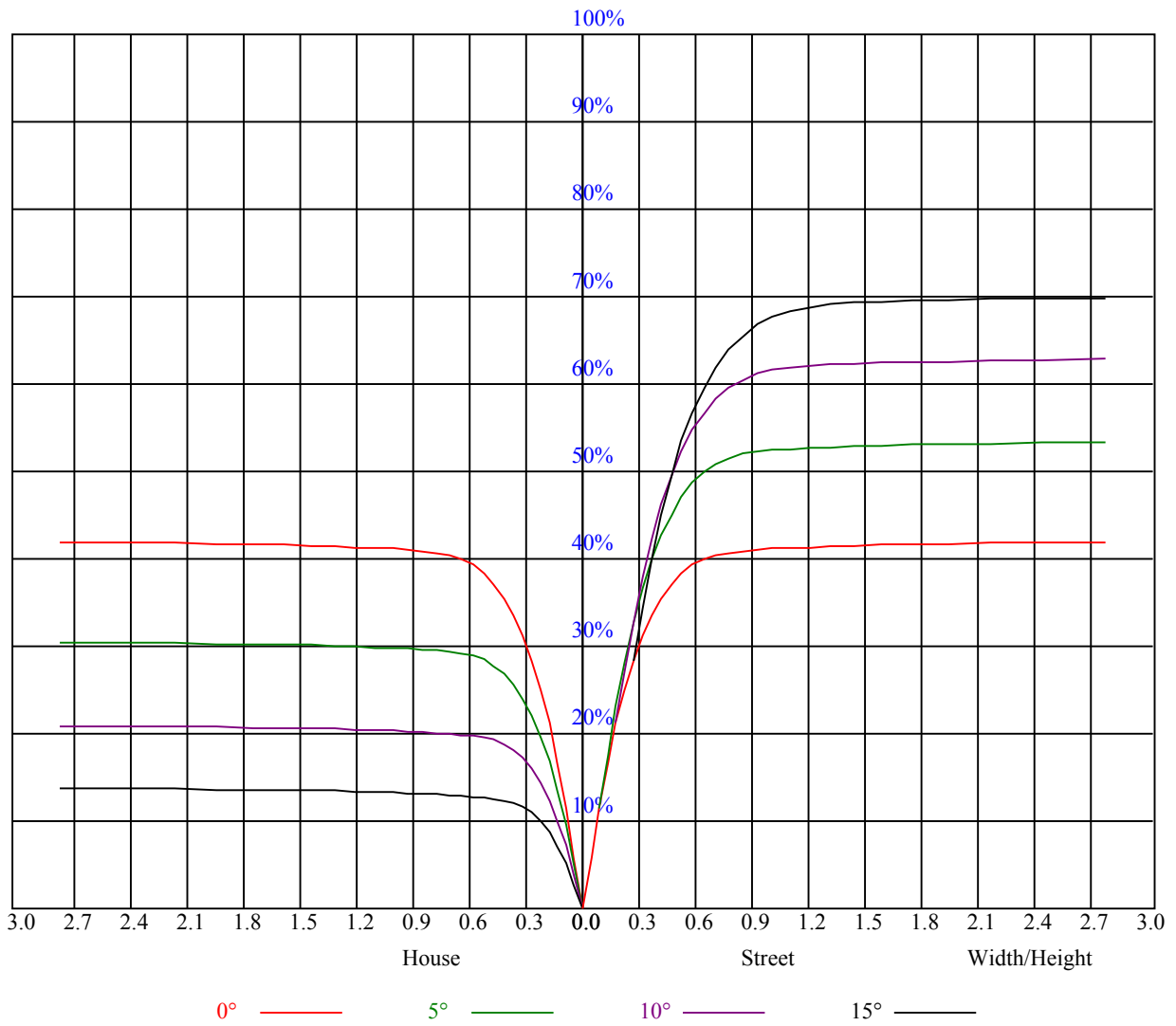


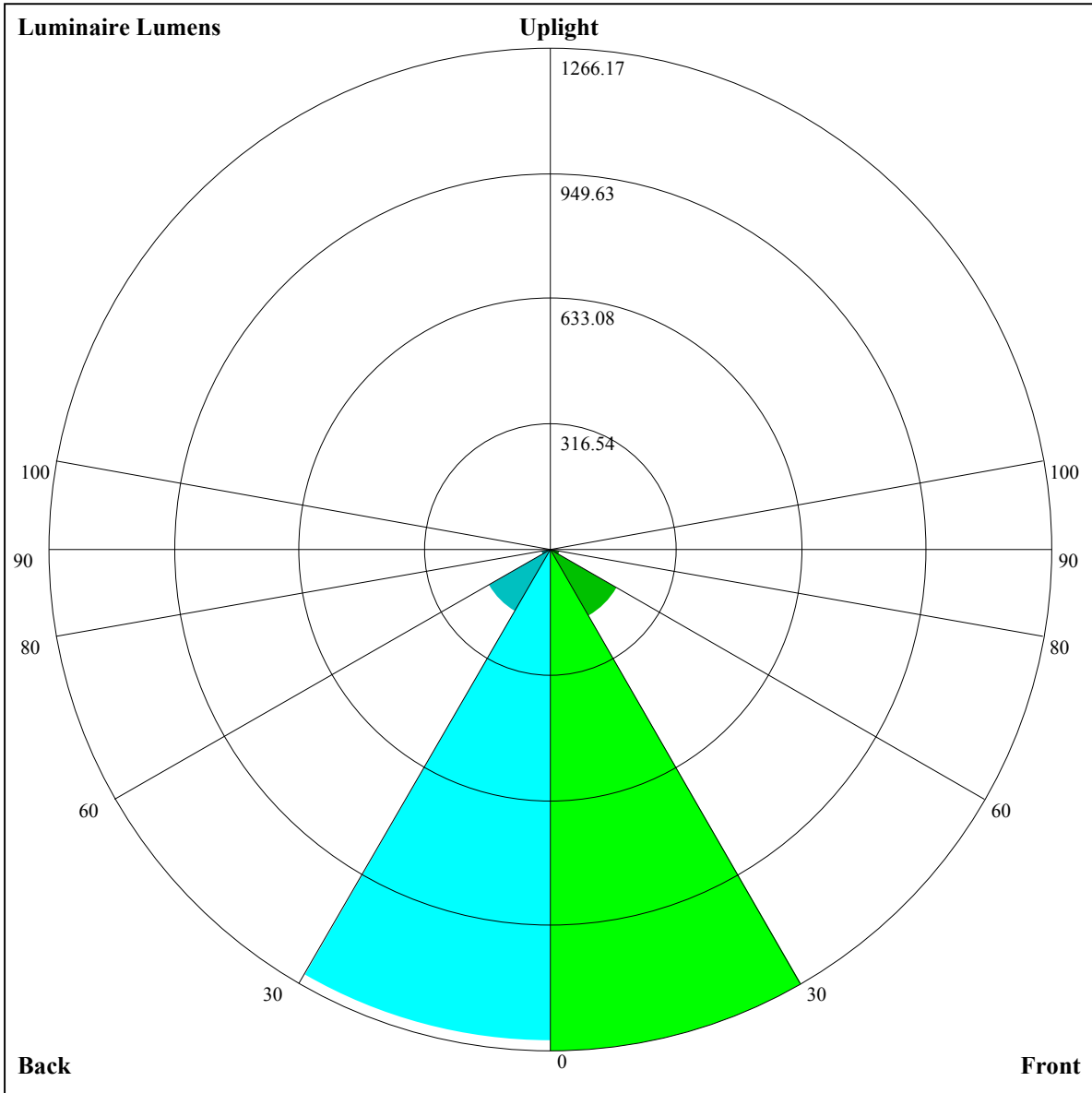
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	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	0.84
1	0.94	0.92	0.90	0.92	0.91	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.59
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	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	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=1266.17,FM=192.48,FH=24.45,FVH=7.5

BL=1241.34,BM=181.88,BH=23.81,BVH=7.38

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	9850.57	9755.76	9514.65	9069.29	8645.00	8067.39	7606.81	7145.66	6573.31
45.0	9734.11	9861.68	9819.55	9618.82	9192.77	8772.00	8312.01	7729.71	7265.63
90.0	9850.57	9729.42	9467.24	9099.72	8563.66	8104.25	7641.93	7060.80	6605.49
135.0	9782.68	9820.72	9694.31	9333.81	8941.13	8498.11	7911.72	7445.88	6982.38
180.0	9850.57	9772.73	9467.24	9101.48	8678.95	8224.23	7638.42	7162.04	6695.03
225.0	9734.11	9468.41	8998.48	8565.41	8110.11	7523.13	7047.92	6582.08	6017.34
270.0	9850.57	9755.76	9511.72	9161.17	8647.34	8201.99	7741.41	7155.02	6696.20
315.0	9782.68	9589.56	9183.41	8782.53	8347.12	7885.97	7303.08	6836.07	6380.18
360.0	9850.57	9755.76	9514.65	9069.29	8645.00	8067.39	7606.81	7145.66	6573.31
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6125.02	5690.79	5270.01	4779.01	4412.66	4070.30	3754.28	3398.46	3143.89
45.0	6809.15	6250.26	5810.17	5389.40	4887.27	4510.39	4073.81	3753.11	3462.83
90.0	6161.89	5619.97	5199.78	4799.49	4422.60	3994.80	3679.37	3392.61	3131.60
135.0	6419.39	5982.81	5556.18	5045.28	4660.21	4293.85	3957.35	3567.59	3291.36
180.0	6249.09	5700.15	5274.69	4775.49	4403.88	4062.69	3667.08	3384.41	3131.01
225.0	5581.93	5172.86	4692.39	4335.99	4002.41	3694.58	3346.38	3095.90	2865.91
270.0	6252.60	5816.02	5285.81	4889.03	4426.70	4080.25	3765.98	3410.16	3155.01
315.0	5821.29	5398.17	4999.64	4539.06	4190.85	3870.15	3507.31	3243.96	3020.26
360.0	6125.02	5690.79	5270.01	4779.01	4412.66	4070.30	3754.28	3398.46	3143.89
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2917.99	2661.66	2475.56	2305.26	2110.97	1971.68	1843.52	1704.23	1593.04
45.0	3201.82	2967.15	2704.38	2513.01	2339.79	2181.19	1999.77	1869.85	1751.64
90.0	2846.59	2642.35	2454.49	2244.98	2090.48	1917.26	1792.60	1682.00	1571.39
135.0	3042.06	2821.43	2572.12	2391.29	2229.18	2043.08	1908.48	1786.75	1645.71
180.0	2837.81	2623.62	2437.52	2267.22	2077.02	1933.06	1807.23	1697.80	1554.42
225.0	2654.64	2422.89	2254.35	2063.56	1924.86	1801.38	1660.93	1547.98	1430.93
270.0	2919.75	2695.60	2464.44	2294.14	2144.91	2002.11	1841.18	1732.91	1618.21
315.0	2729.55	2535.84	2359.69	2199.92	2019.67	1892.09	1775.63	1666.78	1528.08
360.0	2917.99	2661.66	2475.56	2305.26	2110.97	1971.68	1843.52	1704.23	1593.04
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1470.73	1145.29	1145.29	1045.68	917.75	791.81	642.40	531.15	429.44
45.0	1608.84	1488.87	1322.67	1193.92	1059.90	897.79	774.31	655.51	545.49
90.0	1323.25	1152.02	1152.02	1022.86	862.86	741.95	624.49	513.30	387.30
135.0	1527.50	1367.14	1234.88	1103.21	973.29	814.11	695.31	584.11	479.36
180.0	1432.10	1300.43	1138.32	1001.96	842.20	719.30	603.43	497.50	378.70
225.0	1135.69	1135.69	1003.13	872.04	747.92	600.91	493.81	396.72	292.09
270.0	1468.39	1346.08	1213.23	1045.86	914.77	787.77	636.78	527.93	428.44
315.0	1311.55	1139.32	1105.61	972.23	811.36	690.92	578.32	474.15	354.47
360.0	1470.73	1145.29	1145.29	1045.68	917.75	791.81	642.40	531.15	429.44
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	316.96	241.81	178.67	126.58	106.69	95.04	86.85	80.18	74.27
45.0	417.32	326.61	305.55	305.55	126.47	105.11	95.45	87.14	78.54
90.0	299.87	208.57	151.81	115.00	94.51	86.32	78.77	71.28	66.25
135.0	358.22	314.32	314.32	130.62	102.30	90.07	80.23	73.39	67.83
180.0	296.77	296.77	210.45	115.17	97.44	88.54	80.64	72.57	67.18
225.0	222.39	164.33	117.16	99.55	88.54	80.82	74.38	68.94	64.14
270.0	337.73	297.94	297.94	134.37	110.08	96.09	87.84	80.59	73.21
315.0	273.24	204.83	151.46	112.13	98.67	89.95	80.47	74.50	69.29
360.0	316.96	241.81	178.67	126.58	106.69	95.04	86.85	80.18	74.27

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	67.83	63.26	59.17	55.54	51.56	48.63	46.17	43.42	41.55
45.0	72.86	66.54	62.15	58.17	53.67	50.50	47.64	45.18	42.55
90.0	61.74	57.70	53.26	50.10	47.34	44.77	42.08	40.26	38.80
135.0	61.98	57.94	54.25	50.91	47.17	44.54	42.19	40.26	38.22
180.0	62.50	57.41	53.72	49.63	46.76	44.18	41.90	39.50	37.98
225.0	58.82	55.01	51.56	47.75	45.12	42.72	40.73	38.57	37.22
270.0	68.06	63.38	58.29	54.48	51.09	47.29	44.65	42.43	40.03
315.0	63.56	59.52	56.01	51.91	49.04	46.41	44.07	41.55	39.97
360.0	67.83	63.26	59.17	55.54	51.56	48.63	46.17	43.42	41.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.97	38.45	37.57	37.10	36.99	36.99	37.16	36.93	36.23
45.0	40.67	39.21	37.98	36.93	36.40	36.40	36.52	36.81	36.58
90.0	37.22	36.40	35.82	35.70	35.99	36.40	36.93	36.75	36.23
135.0	36.87	35.82	34.94	34.59	34.70	35.17	35.70	36.17	35.87
180.0	36.64	35.70	35.00	34.82	35.00	35.41	35.82	35.82	35.05
225.0	36.17	35.58	35.46	35.76	36.05	36.46	36.28	35.41	33.83
270.0	38.51	37.40	36.69	36.28	36.46	36.69	36.99	36.75	36.05
315.0	38.57	37.63	36.93	36.81	36.99	37.28	37.34	36.75	35.64
360.0	39.97	38.45	37.57	37.10	36.99	36.99	37.16	36.93	36.23
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	34.94	33.07	30.90	27.80	25.75	23.99	22.36	21.54	20.95
45.0	35.93	34.82	32.89	30.08	27.56	25.52	23.82	22.18	21.54
90.0	34.94	32.36	29.96	27.33	25.22	23.00	21.77	20.78	20.13
135.0	35.05	33.42	31.37	28.38	25.93	23.88	22.30	20.95	20.25
180.0	33.71	31.78	28.91	26.57	24.52	22.41	21.36	20.54	19.90
225.0	31.78	29.50	26.39	24.40	22.77	21.54	20.48	19.90	19.25
270.0	34.12	32.01	29.55	26.45	24.40	22.71	21.48	20.42	19.78
315.0	33.71	30.96	28.38	26.16	24.23	22.36	21.42	20.72	20.19
360.0	34.94	33.07	30.90	27.80	25.75	23.99	22.36	21.54	20.95
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.31	19.72	19.14	18.55	18.08	17.56	17.15	16.56	16.09
45.0	20.95	20.31	19.49	18.90	18.38	17.97	17.50	16.91	16.44
90.0	19.61	19.02	18.55	18.20	17.79	17.21	16.74	16.27	15.80
135.0	19.55	19.02	18.55	18.08	17.67	17.32	16.80	16.33	15.80
180.0	19.25	18.84	18.38	17.97	17.50	17.09	16.62	16.04	15.51
225.0	18.79	18.38	17.85	17.50	17.03	16.62	16.04	15.57	15.04
270.0	19.25	18.79	18.26	17.85	17.44	16.97	16.56	15.98	15.51
315.0	19.43	18.90	18.43	17.91	17.44	16.91	16.39	15.92	15.39
360.0	20.31	19.72	19.14	18.55	18.08	17.56	17.15	16.56	16.09
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.63	15.04	14.51	14.10	13.69	13.34	12.87	12.64	12.35
45.0	15.86	15.45	14.92	14.40	13.99	13.64	13.17	12.87	12.58
90.0	15.22	14.69	14.28	13.93	13.58	13.11	12.87	12.64	12.35
135.0	15.33	14.75	14.22	13.87	13.46	13.11	12.82	12.64	12.35
180.0	14.92	14.40	13.93	13.58	13.28	12.93	12.70	12.47	12.23
225.0	14.46	13.99	13.58	13.34	12.99	12.76	12.58	12.29	12.23
270.0	15.04	14.51	14.10	13.75	13.46	13.05	12.76	12.47	12.23
315.0	14.81	14.34	14.05	13.69	13.34	12.93	12.70	12.41	12.17
360.0	15.63	15.04	14.51	14.10	13.69	13.34	12.87	12.64	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.23
45.0	12.35
90.0	12.29
135.0	12.23
180.0	12.23
225.0	12.23
270.0	12.23
315.0	12.23
360.0	12.23