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NT

Client:

LumCAT: 2-2684-L

Luminaire: 92.70.412.00

Report No: 2024322-B014

Ballast type: AC

Test No: 2024322-C014

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): 2978.39, Efficiency(%): 85.44% , Luminous Efficacy(lm/W): 148.67

Central intensity(cd): 6896.204, Maximum intensity(cd): 6896.204

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.0

[C90/270]Total=35.0

Field angle(10%Imax): [C0/180]Total=65.8

[C90/270]Total=65.8

Maximum s/h(1/2): C0_180=0.57 C90_270=0.57

Maximum s/h(1/4): C0_180=0.59 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.44%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.078%

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	6896.204	0.000	0	0.00%	0.00%
1.0	6882.158	6.593	6.593	0.19%	0.22%
2.0	6836.438	19.690	26.283	0.56%	0.88%
3.0	6758.164	32.514	58.797	0.93%	1.97%
4.0	6661.528	44.920	103.717	1.29%	3.48%
5.0	6538.339	56.785	160.502	1.63%	5.39%
6.0	6383.327	67.907	228.409	1.95%	7.67%
7.0	6209.515	78.164	306.572	2.24%	10.29%
8.0	6004.394	87.413	393.985	2.51%	13.23%
9.0	5788.153	95.572	489.557	2.74%	16.44%
10.0	5526.338	102.392	591.949	2.94%	19.87%
11.0	5270.156	107.879	699.828	3.09%	23.50%
12.0	4988.004	112.136	811.965	3.22%	27.26%
13.0	4705.048	115.032	926.997	3.30%	31.12%
14.0	4413.240	116.713	1043.71	3.35%	35.04%
15.0	4132.479	117.319	1161.029	3.37%	38.98%
16.0	3855.521	117.047	1278.076	3.36%	42.91%
17.0	3578.783	115.772	1393.848	3.32%	46.80%
18.0	3310.164	113.584	1507.432	3.26%	50.61%
19.0	3036.645	110.421	1617.853	3.17%	54.32%
20.0	2773.659	106.345	1724.198	3.05%	57.89%
21.0	2522.890	101.704	1825.903	2.92%	61.31%
22.0	2289.386	96.705	1922.607	2.77%	64.55%
23.0	2088.580	91.862	2014.469	2.64%	67.64%
24.0	1892.896	87.049	2101.518	2.50%	70.56%
25.0	1733.861	82.465	2183.983	2.37%	73.33%
26.0	1596.040	78.603	2262.585	2.25%	75.97%
27.0	1450.188	74.527	2337.112	2.14%	78.47%
28.0	1276.639	69.037	2406.149	1.98%	80.79%
29.0	1199.411	64.780	2470.93	1.86%	82.96%
30.0	1089.250	61.793	2532.723	1.77%	85.04%
31.0	945.219	56.616	2589.34	1.62%	86.94%
32.0	810.997	50.314	2639.653	1.44%	88.63%
33.0	678.568	43.883	2683.536	1.26%	90.10%
34.0	560.309	37.492	2721.028	1.08%	91.36%
35.0	444.332	31.200	2752.229	0.90%	92.41%
36.0	338.450	24.924	2777.153	0.71%	93.24%
37.0	272.868	19.938	2797.091	0.57%	93.91%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	218.172	16.390	2813.481	0.47%	94.46%
39.0	137.323	12.134	2825.615	0.35%	94.87%
40.0	97.798	8.200	2833.815	0.24%	95.15%
41.0	85.575	6.530	2840.345	0.19%	95.37%
42.0	79.269	5.989	2846.334	0.17%	95.57%
43.0	74.177	5.684	2852.018	0.16%	95.76%
44.0	69.459	5.421	2857.439	0.16%	95.94%
45.0	65.377	5.182	2862.621	0.15%	96.11%
46.0	62.041	4.983	2867.604	0.14%	96.28%
47.0	58.808	4.806	2872.411	0.14%	96.44%
48.0	55.852	4.635	2877.046	0.13%	96.60%
49.0	53.073	4.473	2881.519	0.13%	96.75%
50.0	50.395	4.314	2885.833	0.12%	96.89%
51.0	47.923	4.160	2889.993	0.12%	97.03%
52.0	45.589	4.013	2894.005	0.12%	97.17%
53.0	43.270	3.865	2897.871	0.11%	97.30%
54.0	41.214	3.724	2901.594	0.11%	97.42%
55.0	39.078	3.584	2905.178	0.10%	97.54%
56.0	37.242	3.449	2908.627	0.10%	97.66%
57.0	35.326	3.318	2911.945	0.10%	97.77%
58.0	33.607	3.188	2915.133	0.09%	97.88%
59.0	31.953	3.065	2918.198	0.09%	97.98%
60.0	30.417	2.947	2921.144	0.08%	98.08%
61.0	28.888	2.830	2923.974	0.08%	98.17%
62.0	27.601	2.722	2926.696	0.08%	98.26%
63.0	26.401	2.626	2929.323	0.08%	98.35%
64.0	25.194	2.532	2931.855	0.07%	98.44%
65.0	24.243	2.447	2934.301	0.07%	98.52%
66.0	23.277	2.371	2936.672	0.07%	98.60%
67.0	22.297	2.292	2938.964	0.07%	98.68%
68.0	21.500	2.219	2941.182	0.06%	98.75%
69.0	20.724	2.154	2943.336	0.06%	98.82%
70.0	20.000	2.092	2945.428	0.06%	98.89%
71.0	19.298	2.031	2947.459	0.06%	98.96%
72.0	18.669	1.974	2949.433	0.06%	99.03%
73.0	18.135	1.925	2951.358	0.06%	99.09%
74.0	17.615	1.879	2953.237	0.05%	99.16%
75.0	17.103	1.834	2955.072	0.05%	99.22%

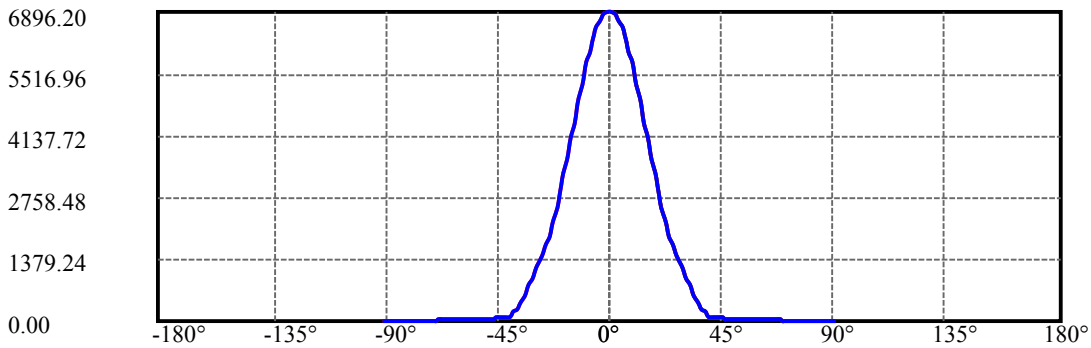
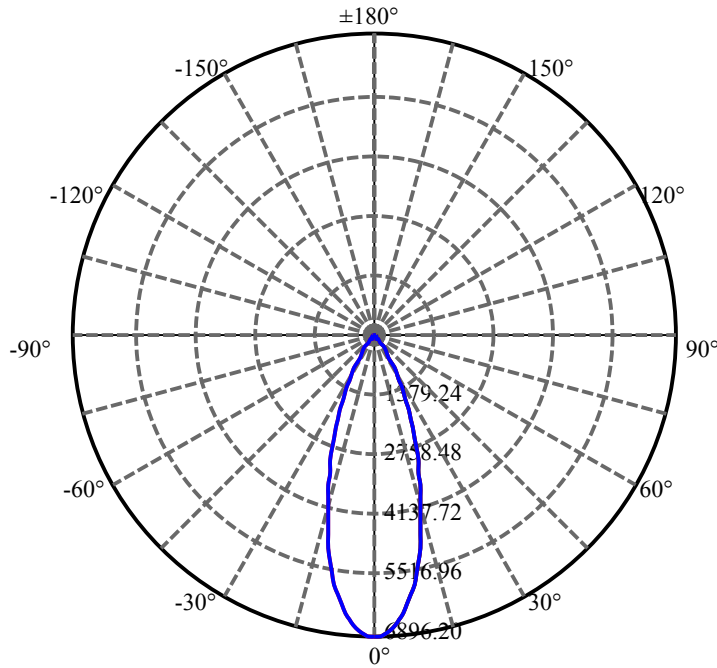
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.664	1.793	2956.864	0.05%	99.28%
77.0	16.269	1.756	2958.62	0.05%	99.34%
78.0	15.882	1.721	2960.341	0.05%	99.39%
79.0	15.523	1.687	2962.028	0.05%	99.45%
80.0	15.150	1.654	2963.682	0.05%	99.51%
81.0	14.777	1.618	2965.3	0.05%	99.56%
82.0	14.411	1.583	2966.883	0.05%	99.61%
83.0	14.060	1.548	2968.431	0.04%	99.67%
84.0	13.621	1.508	2969.939	0.04%	99.72%
85.0	13.263	1.467	2971.406	0.04%	99.77%
86.0	13.014	1.436	2972.843	0.04%	99.81%
87.0	12.787	1.412	2974.255	0.04%	99.86%
88.0	12.626	1.392	2975.647	0.04%	99.91%
89.0	12.473	1.376	2977.022	0.04%	99.95%
90.0	12.414	1.364	2978.387	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2532.72	72.65%	85.04%
0-40	2833.82	81.29%	95.15%
0-60	2921.14	83.80%	98.08%
0-90	2977.02	85.40%	99.95%
0-120	2977.02	85.40%	99.95%
0-180	2978.39	85.44%	100.00%
60-90	55.88	1.60%	1.88%
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%
0-27.66	2382.71	68.35%	80.00%

ZONAL LUMEN SUMMARY

0-10	591.95
10-20	1132.25
20-30	808.53
30-40	301.09
40-50	52.02
50-60	35.31
60-70	24.28
70-80	18.25
80-90	13.34
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: —————

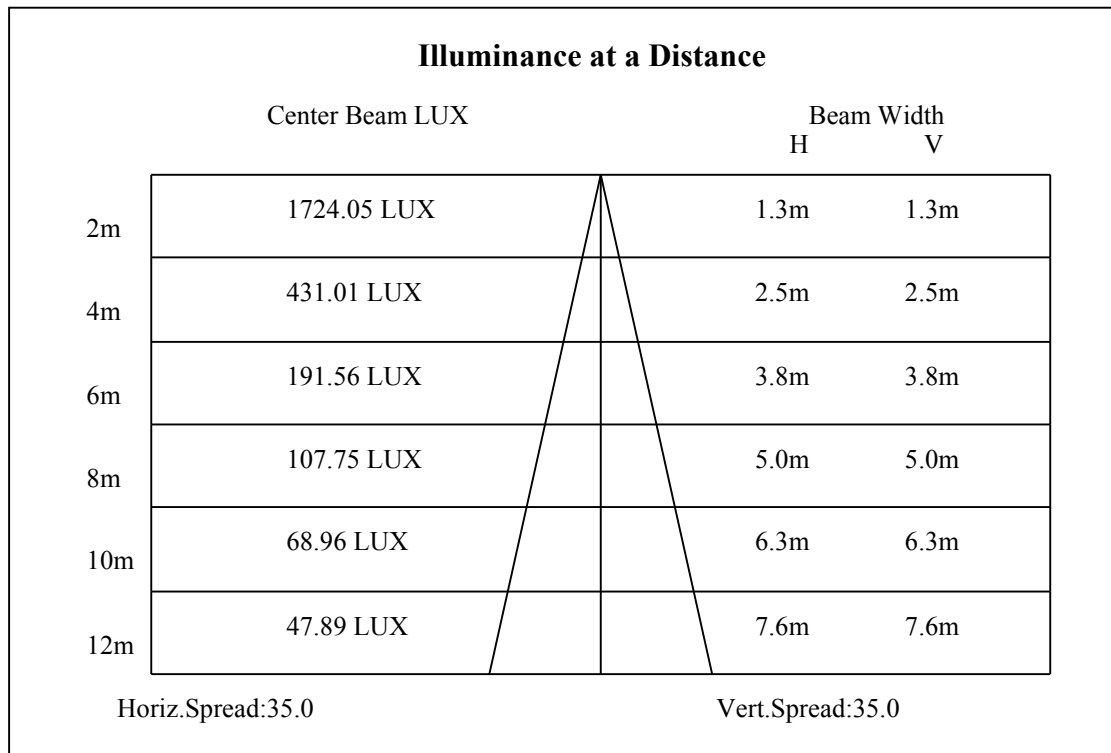
C90/C270: —————

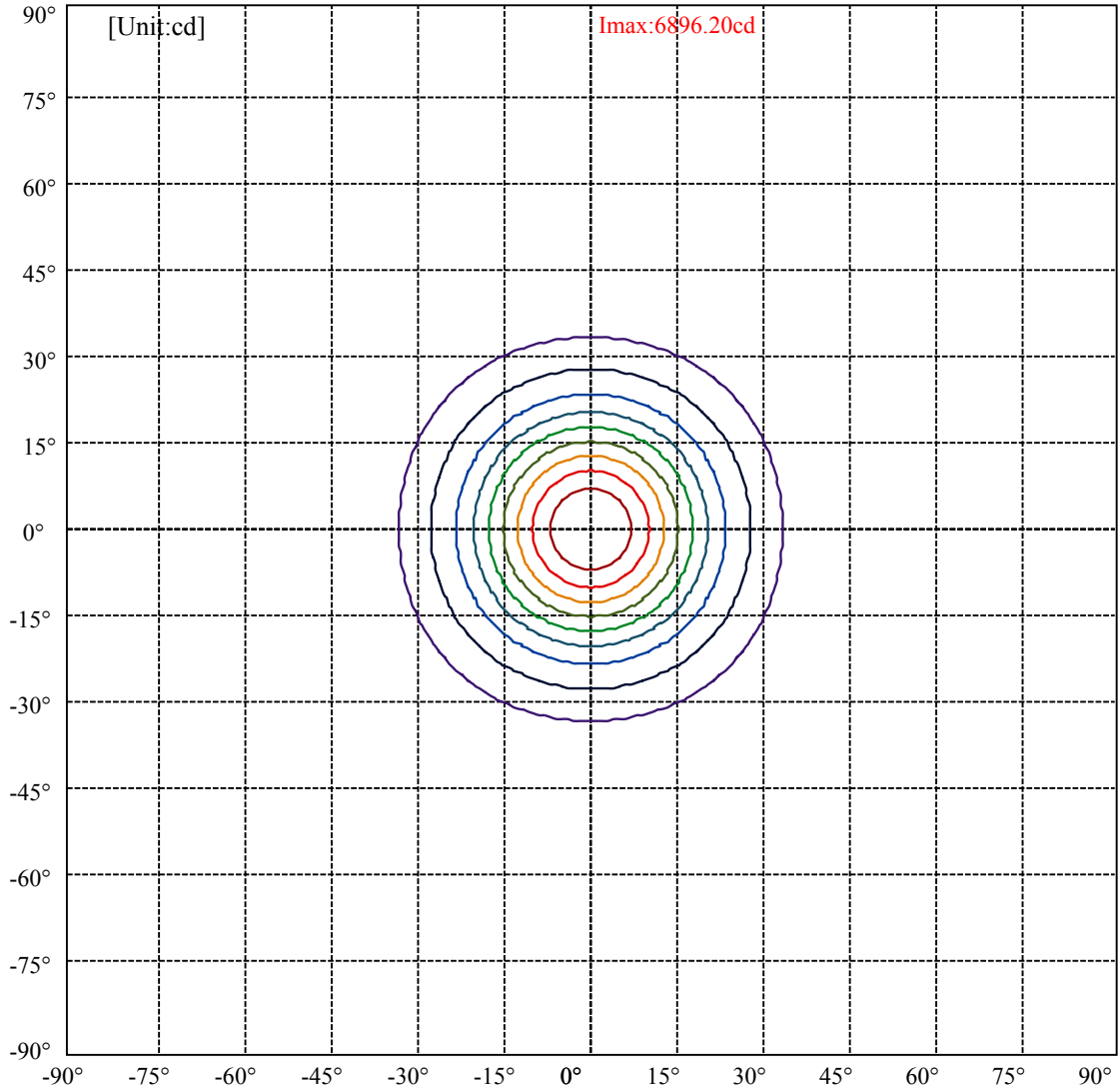
Field angle(10%Imax):C0/180Left:32.9 Right:32.9

:C90/270Left:32.9 Right:32.9

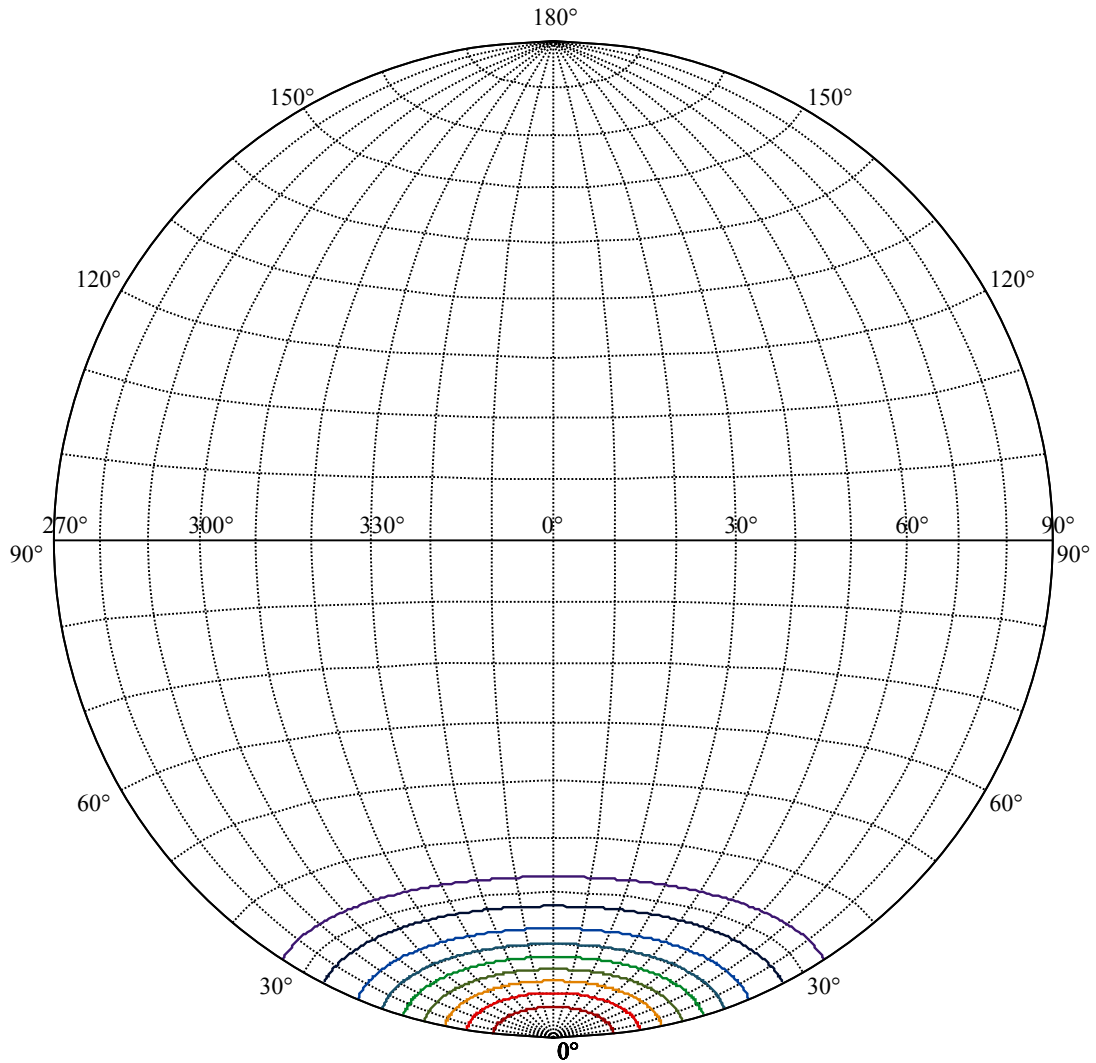
Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5

:C90/270Left:17.5 Right:17.5





(10%Imax) 689.62	—
(20%Imax) 1379.24	—
(30%Imax) 2068.86	—
(40%Imax) 2758.48	—
(50%Imax) 3448.1	—
(60%Imax) 4137.72	—
(70%Imax) 4827.34	—
(80%Imax) 5516.96	—
(90%Imax) 6206.58	—



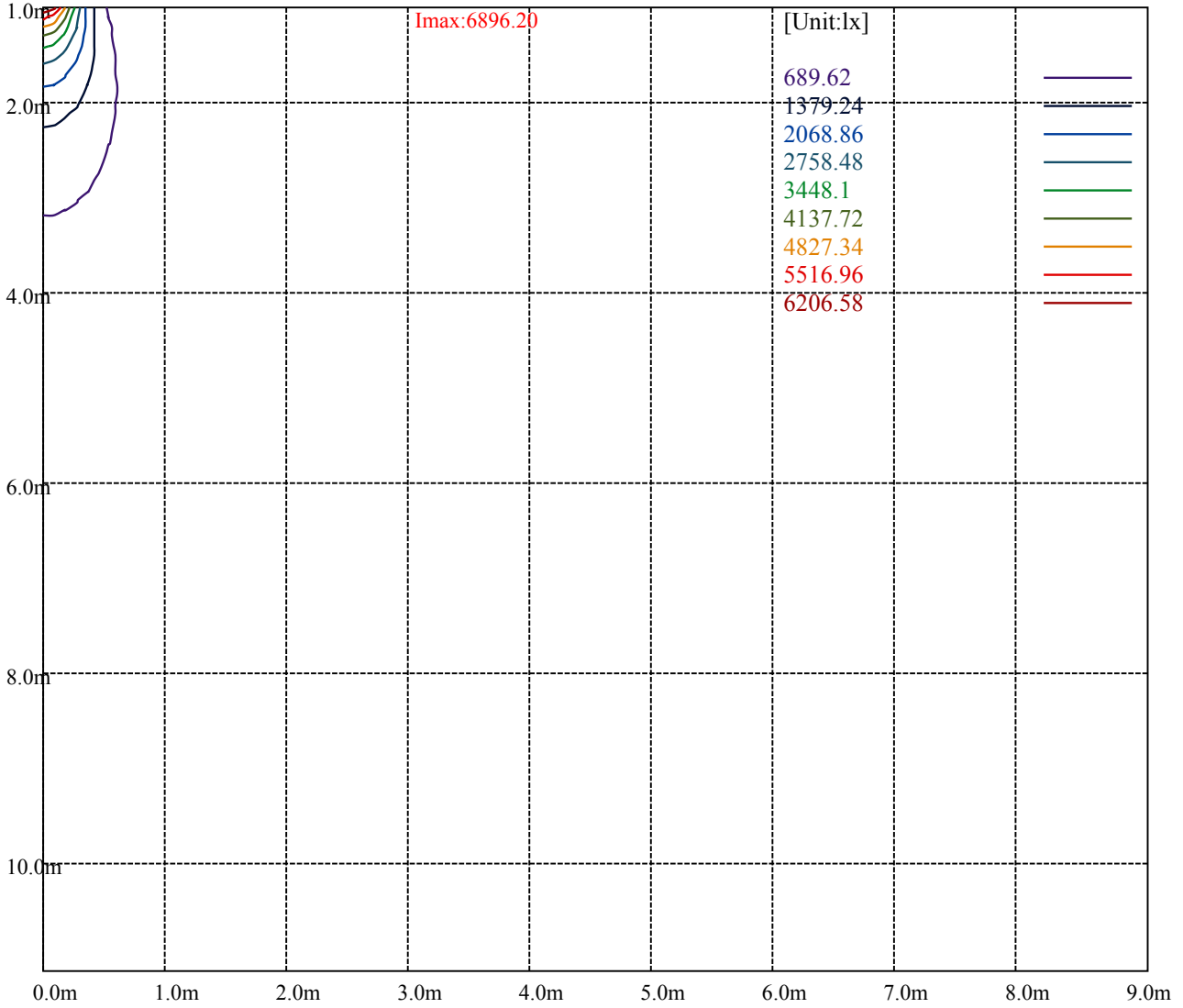
House

[Unit:cd]

Road

Imax:6896.20

(10%Imax) 689.62	—
(20%Imax) 1379.24	—
(30%Imax) 2068.86	—
(40%Imax) 2758.48	—
(50%Imax) 3448.1	—
(60%Imax) 4137.72	—
(70%Imax) 4827.34	—
(80%Imax) 5516.96	—
(90%Imax) 6206.58	—



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

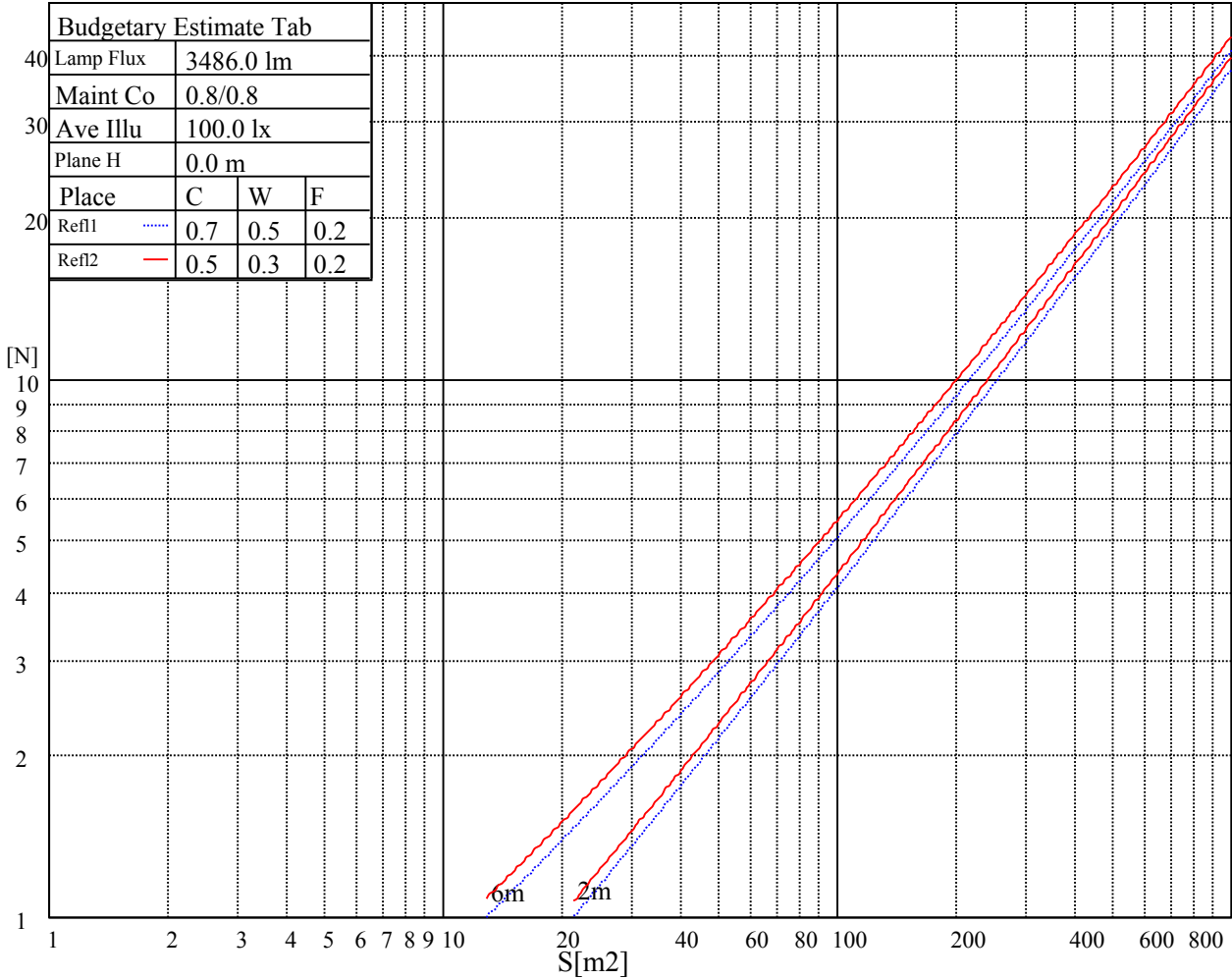
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

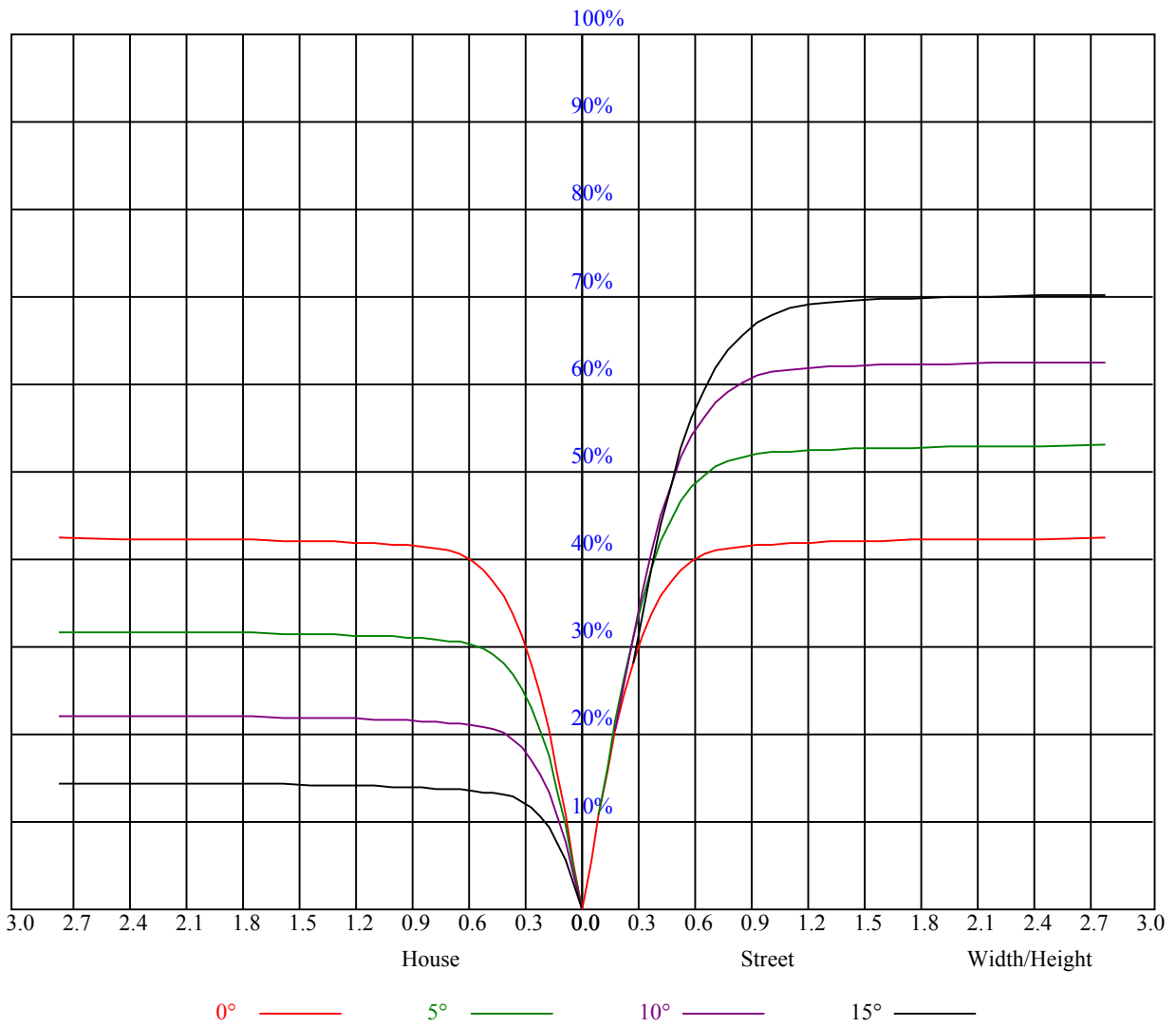


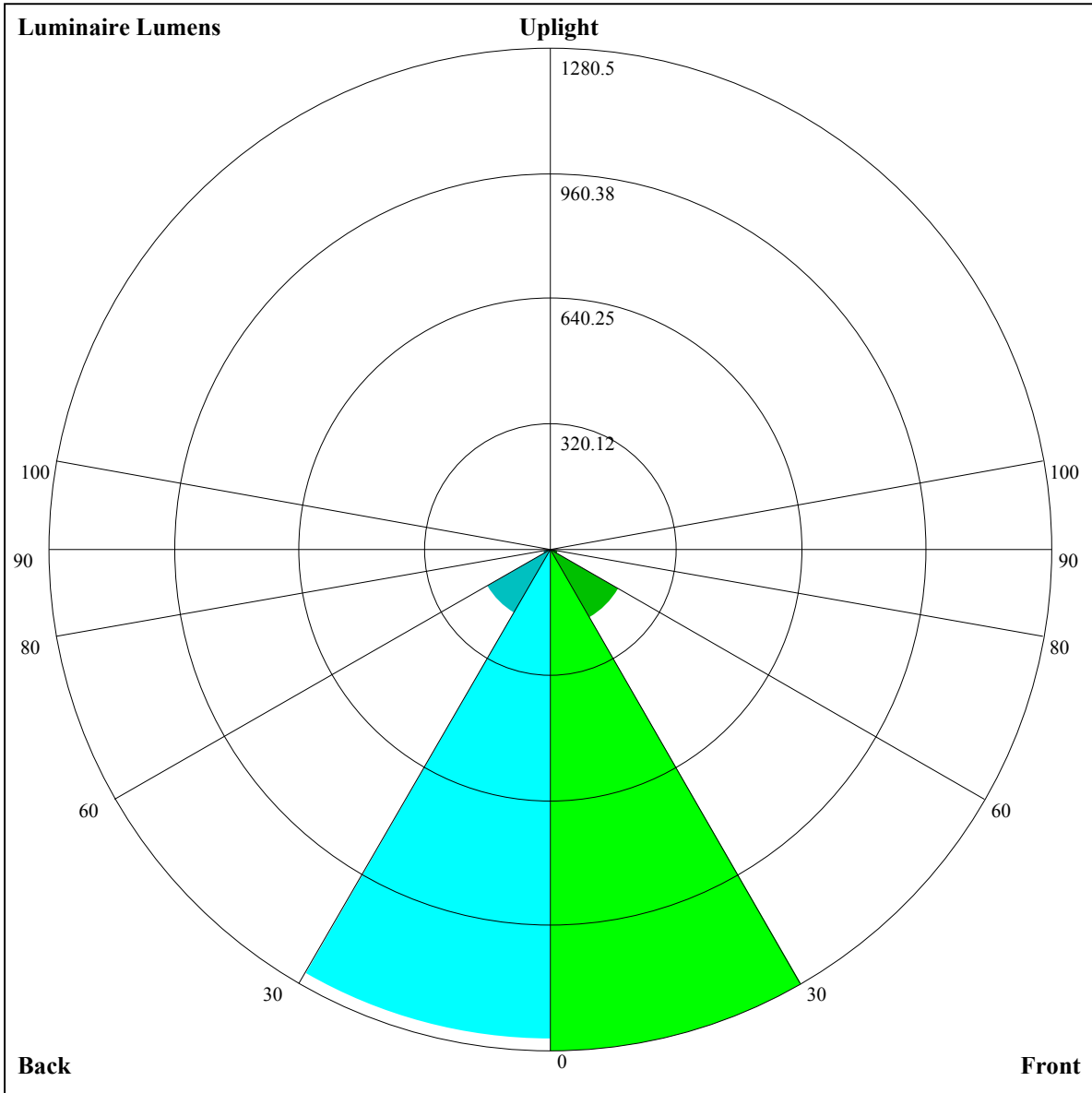
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.70	0.68
5	0.76	0.72	0.68	0.75	0.71	0.68	0.74	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	0.72	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	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.59
8	0.66	0.62	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	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	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52





Luminaire Lumens:

FL=1280.5,FM=203.17,FH=21.47,FVH=7.39

BL=1249.11,BM=189.32,BH=21.12,BVH=7.33

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	6909.22	6888.74	6843.09	6775.21	6661.67	6548.14	6415.88	6260.80	6030.80
45.0	6882.30	6910.40	6900.45	6860.07	6778.13	6682.74	6570.38	6400.08	6243.24
90.0	6905.13	6893.42	6836.07	6763.50	6670.45	6522.98	6377.84	6170.09	5980.47
135.0	6888.16	6895.18	6874.70	6810.32	6730.15	6629.49	6467.97	6316.39	6096.35
180.0	6909.22	6893.42	6848.36	6758.82	6665.19	6515.37	6365.55	6194.67	5999.79
225.0	6882.30	6828.46	6755.31	6629.49	6510.10	6366.72	6151.36	5954.14	5733.51
270.0	6905.13	6889.91	6848.36	6764.09	6672.21	6562.19	6429.34	6268.99	6042.51
315.0	6888.16	6857.73	6785.16	6703.81	6604.32	6479.08	6288.30	6110.98	5908.49
360.0	6909.22	6888.74	6843.09	6775.21	6661.67	6548.14	6415.88	6260.80	6030.80
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5826.56	5601.25	5353.70	5031.24	4763.79	4434.31	4167.45	3905.85	3588.66
45.0	6067.09	5867.52	5588.96	5350.77	5095.61	4832.26	4499.27	4228.89	3967.88
90.0	5764.52	5471.91	5220.27	4958.08	4693.56	4359.98	4092.54	3829.77	3573.44
135.0	5900.30	5676.74	5439.14	5124.87	4856.84	4585.30	4319.60	3990.12	3732.62
180.0	5738.19	5498.83	5246.02	4983.25	4650.84	4377.54	4111.26	3853.77	3546.52
225.0	5491.81	5175.20	4907.76	4643.23	4376.37	4049.23	3792.32	3539.50	3222.31
270.0	5834.17	5543.31	5289.32	5024.22	4681.27	4406.80	4140.53	3813.38	3567.59
315.0	5682.59	5375.94	5116.10	4788.37	4522.09	4260.50	3936.87	3682.88	3431.23
360.0	5826.56	5601.25	5353.70	5031.24	4763.79	4434.31	4167.45	3905.85	3588.66
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3338.18	3088.88	2846.59	2553.40	2331.59	2129.69	1947.69	1756.32	1627.57
45.0	3648.35	3398.46	3086.54	2841.91	2604.31	2382.51	2125.01	1945.35	1790.26
90.0	3320.04	3011.04	2770.51	2484.92	2270.73	2075.85	1864.00	1721.79	1594.80
135.0	3482.73	3234.01	2926.77	2687.41	2402.99	2194.07	2004.45	1799.63	1661.51
180.0	3293.12	2965.39	2729.55	2508.92	2210.45	2031.96	1842.35	1701.31	1535.10
225.0	2968.90	2666.93	2430.50	2212.79	2017.33	1804.89	1661.51	1538.62	1429.76
270.0	3313.60	3056.10	2761.15	2535.84	2323.40	2116.23	1882.73	1731.15	1600.06
315.0	3116.38	2872.34	2637.67	2357.93	2154.27	1973.44	1815.43	1676.73	1529.25
360.0	3338.18	3088.88	2846.59	2553.40	2331.59	2129.69	1947.69	1756.32	1627.57
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1510.52	1162.08	1162.08	1131.77	971.18	844.36	721.11	573.23	463.79
45.0	1653.90	1507.01	1398.75	1281.70	1157.63	996.11	869.70	744.46	596.99
90.0	1452.59	1148.33	1148.33	1086.12	924.36	796.67	674.88	556.90	422.53
135.0	1538.03	1427.42	1278.78	1151.78	1020.69	892.53	734.52	616.30	505.69
180.0	1425.67	1313.30	1193.92	1031.22	901.31	774.31	623.32	512.72	411.47
225.0	1139.02	1139.02	1042.05	914.65	759.15	640.70	502.83	402.11	309.64
270.0	1457.85	1354.27	1209.72	1083.31	955.15	797.72	675.41	560.12	454.19
315.0	1423.91	1161.67	1161.67	1033.45	872.28	745.58	626.78	516.64	390.35
360.0	1510.52	1162.08	1162.08	1131.77	971.18	844.36	721.11	573.23	463.79
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	365.47	277.81	186.04	131.56	102.41	90.89	83.69	78.71	72.28
45.0	486.97	362.31	295.01	295.01	136.24	100.78	90.83	84.68	79.24
90.0	328.31	247.32	163.75	118.45	93.87	87.02	80.94	75.90	70.46
135.0	378.70	308.47	308.47	128.69	97.56	84.74	79.36	74.73	70.40
180.0	301.45	301.45	210.80	108.62	91.30	84.57	78.71	72.86	68.71
225.0	213.55	151.81	110.14	88.25	82.11	76.66	72.04	66.95	63.56
270.0	334.22	312.57	312.57	121.38	91.82	79.94	74.97	70.05	65.43
315.0	298.93	221.22	158.60	106.63	87.08	80.00	73.62	69.52	65.60
360.0	365.47	277.81	186.04	131.56	102.41	90.89	83.69	78.71	72.28

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	67.59	64.08	60.16	57.41	54.72	51.44	49.04	46.70	44.59
45.0	73.04	69.17	65.60	61.51	58.64	55.77	52.38	49.86	46.99
90.0	66.77	63.20	59.99	56.47	53.84	51.21	48.87	46.06	43.95
135.0	66.25	63.03	60.10	57.59	54.37	51.79	49.51	47.34	44.71
180.0	64.96	61.57	57.82	55.07	52.44	49.33	46.99	44.77	42.25
225.0	60.34	57.53	54.25	51.73	48.75	46.47	44.36	41.84	39.91
270.0	62.33	58.82	56.24	53.84	50.97	48.69	46.58	44.48	42.08
315.0	61.74	58.93	56.30	53.20	50.86	48.46	45.65	43.66	41.67
360.0	67.59	64.08	60.16	57.41	54.72	51.44	49.04	46.70	44.59
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.55	39.97	38.04	36.23	34.47	32.48	30.96	29.20	28.03
45.0	44.83	42.72	40.67	38.33	36.46	34.65	33.01	31.02	29.61
90.0	41.32	39.44	37.63	35.29	33.65	32.13	30.67	28.91	27.74
135.0	42.72	40.26	38.57	36.81	34.59	33.12	31.60	30.14	28.50
180.0	40.32	37.98	36.23	34.47	32.83	31.08	29.67	28.38	27.21
225.0	38.04	36.34	34.24	32.66	31.25	29.79	28.15	27.04	25.93
270.0	40.20	38.39	36.75	34.70	33.07	31.60	29.90	28.56	27.15
315.0	39.74	37.51	35.82	34.12	32.54	30.78	29.38	27.86	26.63
360.0	42.55	39.97	38.04	36.23	34.47	32.48	30.96	29.20	28.03
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.86	25.46	24.52	23.70	22.47	21.71	21.01	20.31	19.43
45.0	28.38	26.86	25.81	24.87	23.70	22.77	21.95	21.13	20.37
90.0	26.63	25.28	24.35	23.47	22.53	21.54	20.83	20.13	19.25
135.0	27.33	26.22	25.22	24.05	23.06	22.24	21.30	20.66	19.96
180.0	25.81	24.76	23.82	22.94	21.89	21.19	20.31	19.61	18.96
225.0	24.58	23.70	22.82	21.71	21.01	20.42	19.49	18.90	18.43
270.0	26.04	24.93	23.99	22.94	22.00	21.30	20.72	19.78	19.08
315.0	25.57	24.35	23.41	22.53	21.71	20.83	20.19	19.49	18.90
360.0	26.86	25.46	24.52	23.70	22.47	21.71	21.01	20.31	19.43
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.84	18.38	17.79	17.26	16.80	16.44	15.98	15.68	15.22
45.0	19.61	19.02	18.38	17.85	17.32	16.91	16.44	16.04	15.74
90.0	18.73	18.08	17.62	17.09	16.74	16.27	15.92	15.51	15.22
135.0	19.08	18.55	18.08	17.44	17.03	16.62	16.21	15.80	15.45
180.0	18.32	17.85	17.38	16.91	16.44	16.04	15.68	15.33	14.92
225.0	17.91	17.32	16.91	16.50	16.15	15.68	15.39	15.04	14.57
270.0	18.61	18.14	17.50	17.03	16.50	16.21	15.80	15.45	15.10
315.0	18.26	17.73	17.26	16.74	16.33	15.98	15.63	15.33	14.98
360.0	18.84	18.38	17.79	17.26	16.80	16.44	15.98	15.68	15.22
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.86	14.57	14.28	13.69	13.40	13.11	12.87	12.64	12.64
45.0	15.22	14.92	14.51	14.22	13.58	13.28	13.11	12.82	12.58
90.0	14.69	14.34	14.05	13.64	13.28	13.05	12.82	12.64	12.41
135.0	14.98	14.51	14.22	13.99	13.40	13.11	12.87	12.70	12.70
180.0	14.57	14.28	13.93	13.34	13.11	12.87	12.64	12.76	12.35
225.0	14.40	14.05	13.46	13.17	12.99	12.82	12.58	12.35	12.41
270.0	14.81	14.34	14.16	13.58	13.23	12.99	12.70	12.52	12.35
315.0	14.69	14.28	13.87	13.34	13.11	12.87	12.70	12.58	12.35
360.0	14.86	14.57	14.28	13.69	13.40	13.11	12.87	12.64	12.64

Intensity data(cd)

C/γ(°)	90.0
0.0	12.35
45.0	12.47
90.0	12.41
135.0	12.41
180.0	12.58
225.0	12.35
270.0	12.35
315.0	12.41
360.0	12.35