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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.412.00

Report No: 2024326-B022

Ballast type: AC

Test No: 2024326-C022

Voltage(V): 34.430

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.789

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3530.77, Efficiency(%): 83.47% , Luminous Efficacy(lm/W): 142.43

Central intensity(cd): 14097.190, Maximum intensity(cd): 14097.190

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.0

[C90/270]Total=22.0

Field angle(10%Imax): [C0/180]Total=53.8

[C90/270]Total=53.8

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.42 C90_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.47%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.926%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
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	14097.192	0.000	0	0.00%	0.00%
1.0	13977.221	13.433	13.433	0.32%	0.38%
2.0	13652.421	39.657	53.09	0.94%	1.50%
3.0	13123.751	64.040	117.13	1.51%	3.32%
4.0	12224.794	84.850	201.979	2.01%	5.72%
5.0	11699.701	102.922	304.901	2.43%	8.64%
6.0	11056.905	119.592	424.493	2.83%	12.02%
7.0	10201.159	131.948	556.442	3.12%	15.76%
8.0	9398.523	140.271	696.713	3.32%	19.73%
9.0	8497.130	145.035	841.747	3.43%	23.84%
10.0	7727.413	146.826	988.574	3.47%	28.00%
11.0	7018.340	147.340	1135.914	3.48%	32.17%
12.0	6342.332	146.051	1281.965	3.45%	36.31%
13.0	5686.441	142.751	1424.716	3.37%	40.35%
14.0	5115.335	138.262	1562.978	3.27%	44.27%
15.0	4630.768	133.799	1696.777	3.16%	48.06%
16.0	4184.607	129.170	1825.947	3.05%	51.72%
17.0	3795.140	124.266	1950.213	2.94%	55.23%
18.0	3437.348	119.248	2069.461	2.82%	58.61%
19.0	3149.857	114.604	2184.065	2.71%	61.86%
20.0	2922.131	111.134	2295.199	2.63%	65.01%
21.0	2740.792	108.740	2403.939	2.57%	68.09%
22.0	2462.824	104.569	2508.508	2.47%	71.05%
23.0	2230.351	98.475	2606.983	2.33%	73.84%
24.0	2028.302	93.109	2700.093	2.20%	76.47%
25.0	1849.735	88.178	2788.271	2.08%	78.97%
26.0	1629.852	82.136	2870.407	1.94%	81.30%
27.0	1384.950	73.758	2944.165	1.74%	83.39%
28.0	1244.942	66.583	3010.748	1.57%	85.27%
29.0	1088.789	61.057	3071.805	1.44%	87.00%
30.0	922.073	54.293	3126.098	1.28%	88.54%
31.0	757.866	46.750	3172.848	1.11%	89.86%
32.0	616.066	39.362	3212.21	0.93%	90.98%
33.0	475.217	32.150	3244.359	0.76%	91.89%
34.0	362.701	25.358	3269.717	0.60%	92.61%
35.0	295.436	20.439	3290.156	0.48%	93.19%
36.0	247.484	17.287	3307.443	0.41%	93.67%
37.0	210.330	14.931	3322.374	0.35%	94.10%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	171.515	12.745	3335.12	0.30%	94.46%
39.0	150.666	10.997	3346.117	0.26%	94.77%
40.0	135.114	9.967	3356.084	0.24%	95.05%
41.0	121.142	9.125	3365.209	0.22%	95.31%
42.0	108.296	8.336	3373.545	0.20%	95.55%
43.0	97.791	7.634	3381.179	0.18%	95.76%
44.0	88.530	7.032	3388.211	0.17%	95.96%
45.0	80.395	6.492	3394.703	0.15%	96.15%
46.0	72.634	5.985	3400.688	0.14%	96.32%
47.0	66.408	5.530	3406.218	0.13%	96.47%
48.0	61.397	5.167	3411.384	0.12%	96.62%
49.0	56.913	4.858	3416.243	0.11%	96.76%
50.0	52.553	4.564	3420.807	0.11%	96.89%
51.0	48.998	4.296	3425.103	0.10%	97.01%
52.0	46.269	4.088	3429.191	0.10%	97.12%
53.0	43.877	3.921	3433.113	0.09%	97.23%
54.0	41.705	3.772	3436.885	0.09%	97.34%
55.0	39.759	3.636	3440.521	0.09%	97.44%
56.0	38.310	3.528	3444.049	0.08%	97.54%
57.0	37.074	3.447	3447.496	0.08%	97.64%
58.0	36.167	3.387	3450.883	0.08%	97.74%
59.0	35.384	3.345	3454.228	0.08%	97.83%
60.0	34.975	3.324	3457.552	0.08%	97.93%
61.0	34.572	3.319	3460.871	0.08%	98.02%
62.0	34.067	3.307	3464.178	0.08%	98.11%
63.0	33.307	3.277	3467.455	0.08%	98.21%
64.0	32.056	3.207	3470.662	0.08%	98.30%
65.0	30.578	3.100	3473.762	0.07%	98.39%
66.0	29.122	2.979	3476.74	0.07%	98.47%
67.0	27.740	2.859	3479.6	0.07%	98.55%
68.0	26.701	2.758	3482.357	0.07%	98.63%
69.0	26.079	2.693	3485.05	0.06%	98.70%
70.0	25.794	2.664	3487.714	0.06%	98.78%
71.0	25.662	2.660	3490.374	0.06%	98.86%
72.0	25.413	2.656	3493.029	0.06%	98.93%
73.0	25.135	2.643	3495.673	0.06%	99.01%
74.0	24.704	2.620	3498.293	0.06%	99.08%
75.0	24.170	2.582	3500.875	0.06%	99.15%

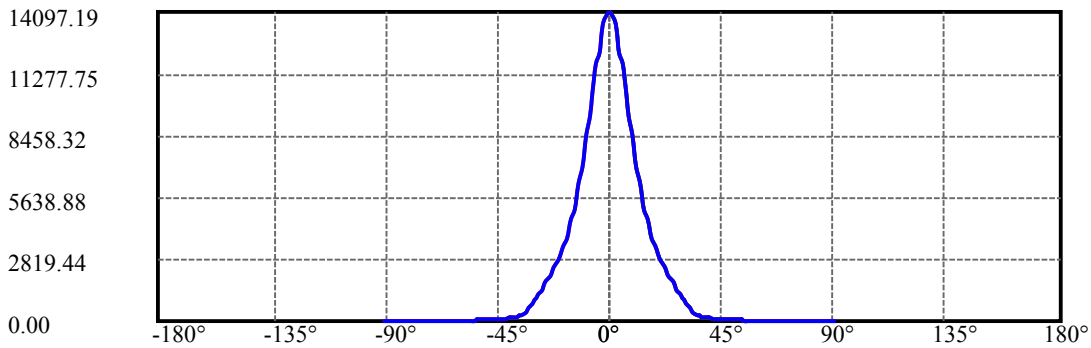
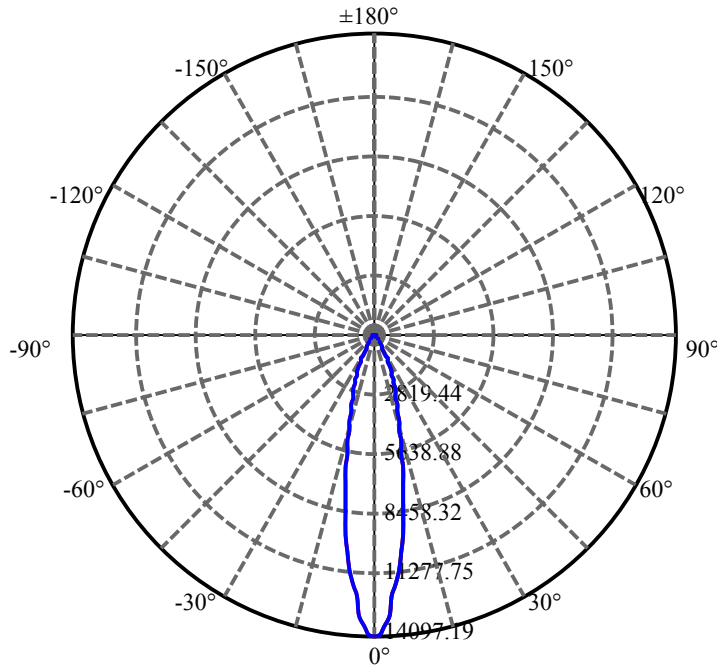
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.533	2.532	3503.407	0.06%	99.22%
77.0	22.773	2.469	3505.876	0.06%	99.29%
78.0	21.785	2.385	3508.262	0.06%	99.36%
79.0	20.768	2.286	3510.548	0.05%	99.43%
80.0	19.532	2.173	3512.721	0.05%	99.49%
81.0	18.303	2.046	3514.767	0.05%	99.55%
82.0	17.703	1.953	3516.719	0.05%	99.60%
83.0	17.206	1.898	3518.617	0.04%	99.66%
84.0	16.759	1.850	3520.467	0.04%	99.71%
85.0	16.372	1.808	3522.275	0.04%	99.76%
86.0	15.867	1.762	3524.038	0.04%	99.81%
87.0	15.530	1.718	3525.756	0.04%	99.86%
88.0	15.304	1.689	3527.445	0.04%	99.91%
89.0	15.179	1.671	3529.116	0.04%	99.95%
90.0	15.062	1.658	3530.774	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3126.10	73.90%	88.54%
0-40	3356.08	79.34%	95.05%
0-60	3457.55	81.74%	97.93%
0-90	3529.12	83.43%	99.95%
0-120	3529.12	83.43%	99.95%
0-180	3530.77	83.47%	100.00%
60-90	71.56	1.69%	2.03%
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%
0-25.44	2824.62	66.78%	80.00%

ZONAL LUMEN SUMMARY

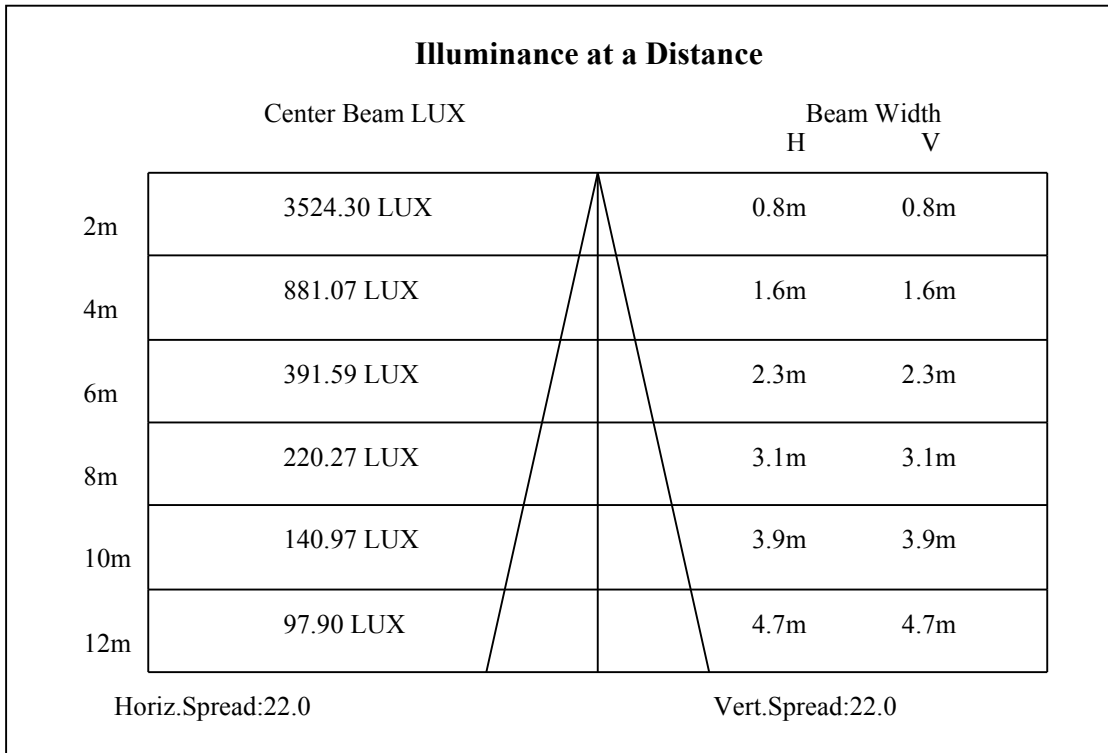
0-10	988.57
10-20	1306.63
20-30	830.90
30-40	229.99
40-50	64.72
50-60	36.74
60-70	30.16
70-80	25.01
80-90	16.40
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

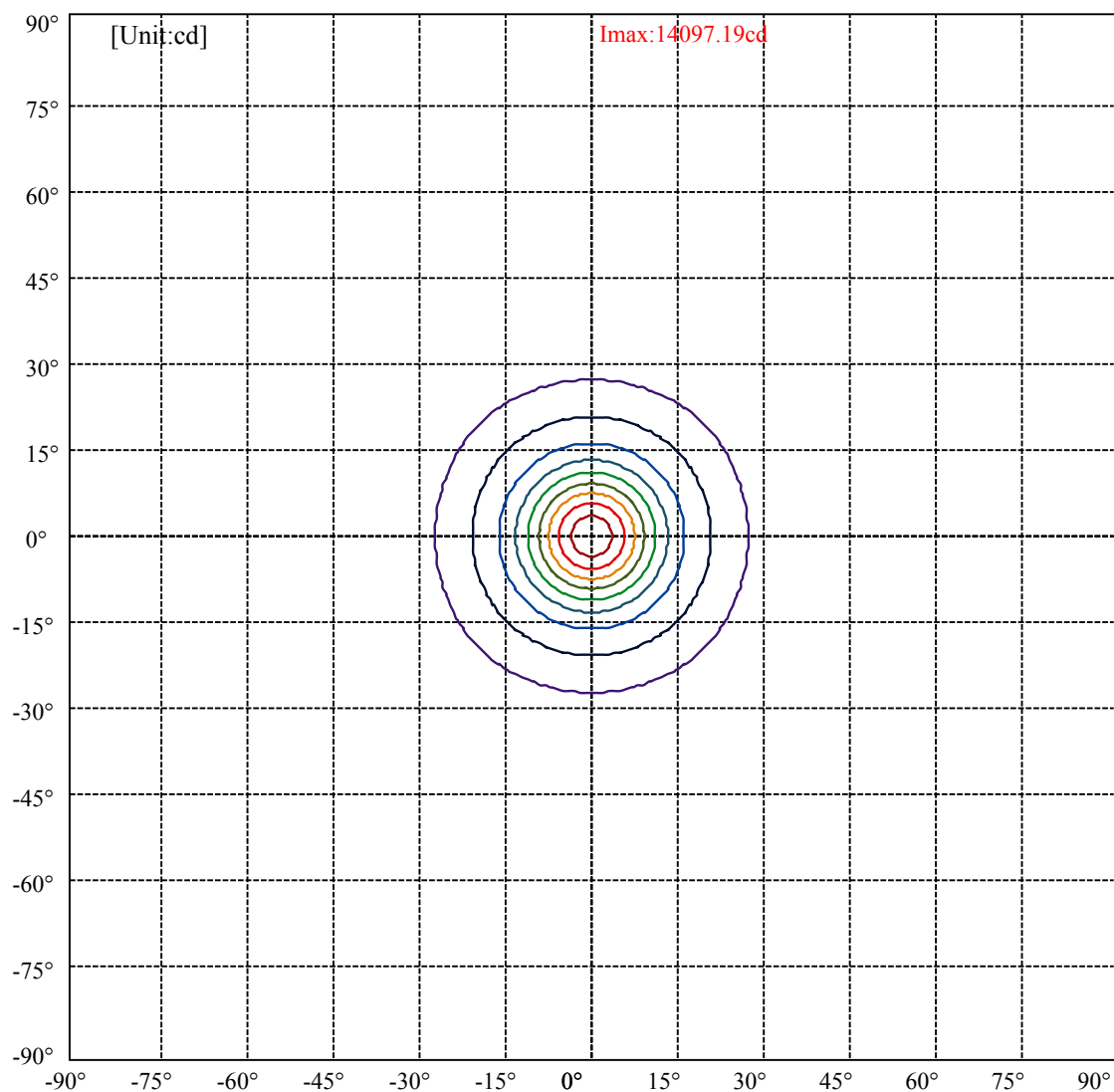


C0(Max): —————
C0/C180: —————
C90/C270: —————

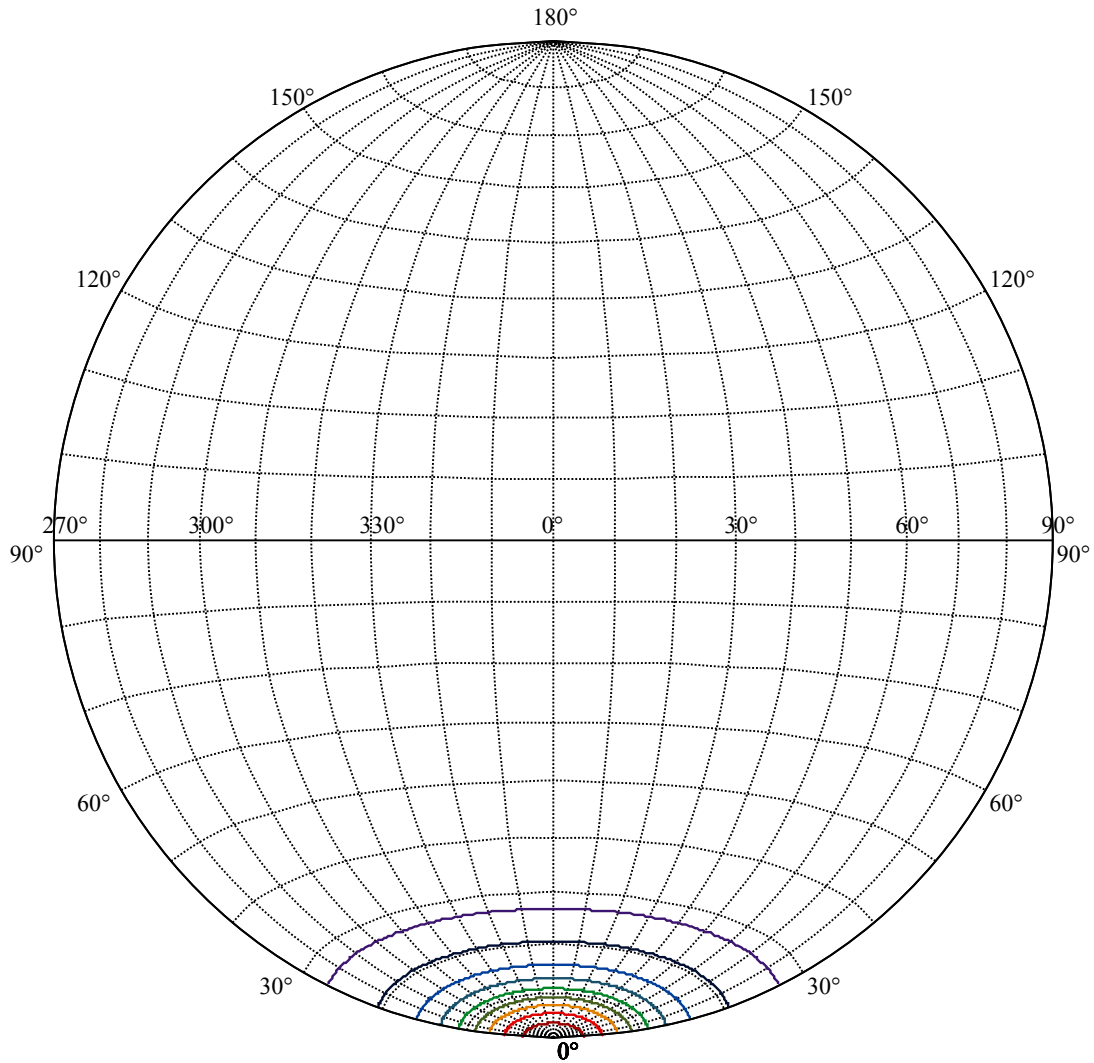
Field angle(10%Imax):C0/180Left:26.9 Right:26.9
:C90/270Left:26.9 Right:26.9

Beam Angle(50%Imax):C0/180Left:11.0 Right:11.0
:C90/270Left:11.0 Right:11.0





(10%Imax) 1409.72	—
(20%Imax) 2819.44	—
(30%Imax) 4229.16	—
(40%Imax) 5638.88	—
(50%Imax) 7048.6	—
(60%Imax) 8458.32	—
(70%Imax) 9868.04	—
(80%Imax) 11277.8	—
(90%Imax) 12687.5	—



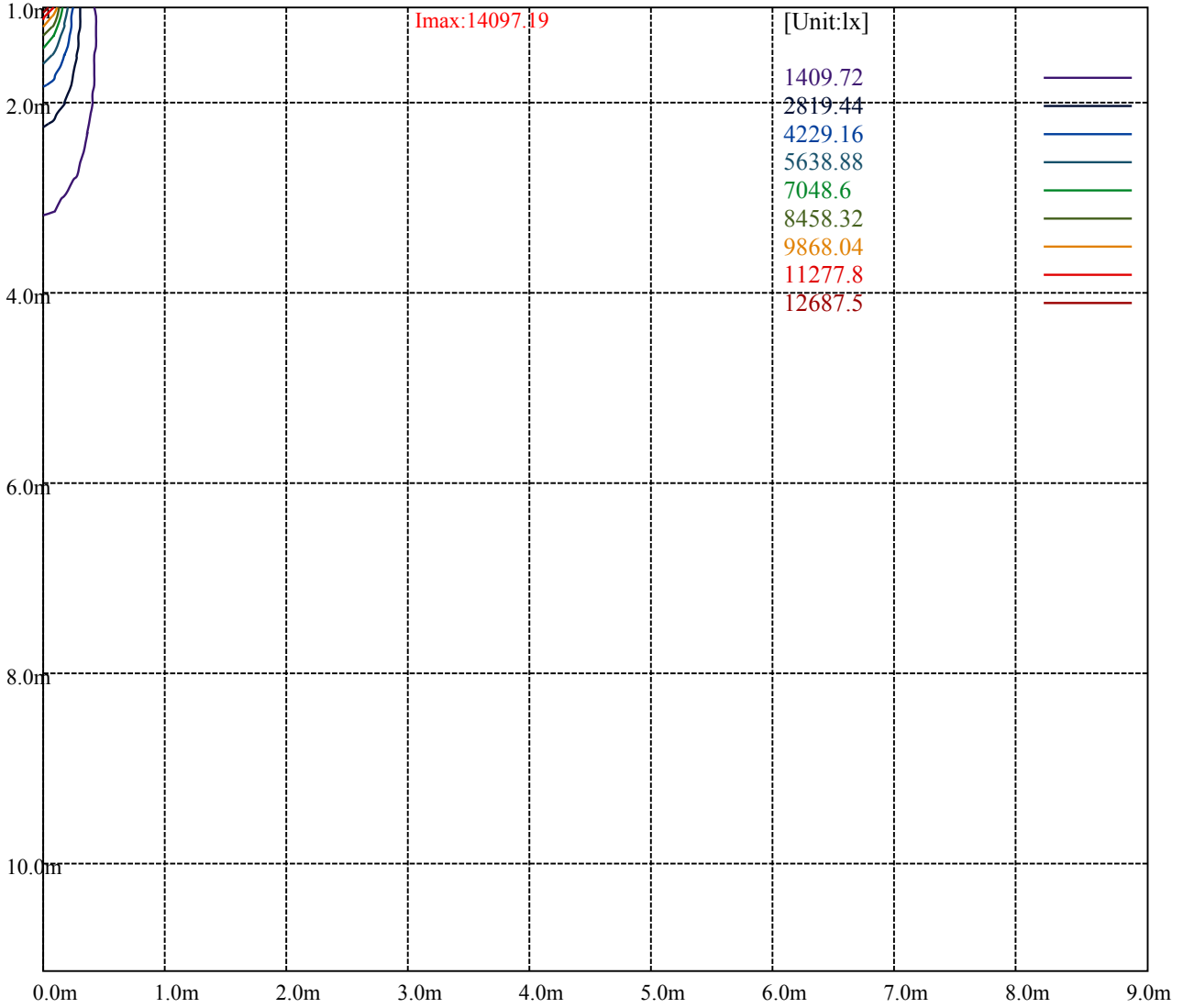
House

[Unit:cd]

Road

Imax:14097.19

(10%Imax) 1409.72	—
(20%Imax) 2819.44	—
(30%Imax) 4229.16	—
(40%Imax) 5638.88	—
(50%Imax) 7048.6	—
(60%Imax) 8458.32	—
(70%Imax) 9868.04	—
(80%Imax) 11277.8	—
(90%Imax) 12687.5	—



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

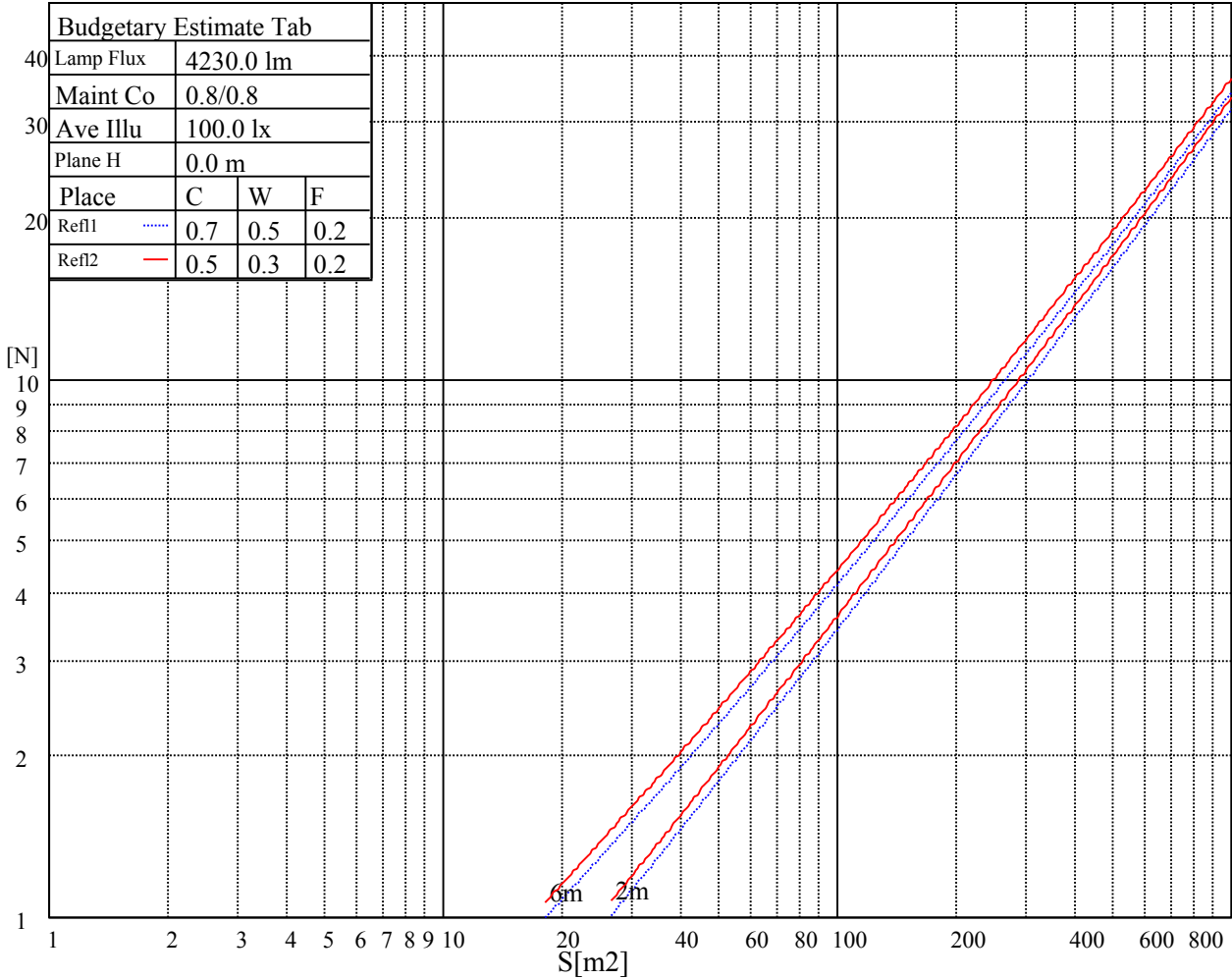
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

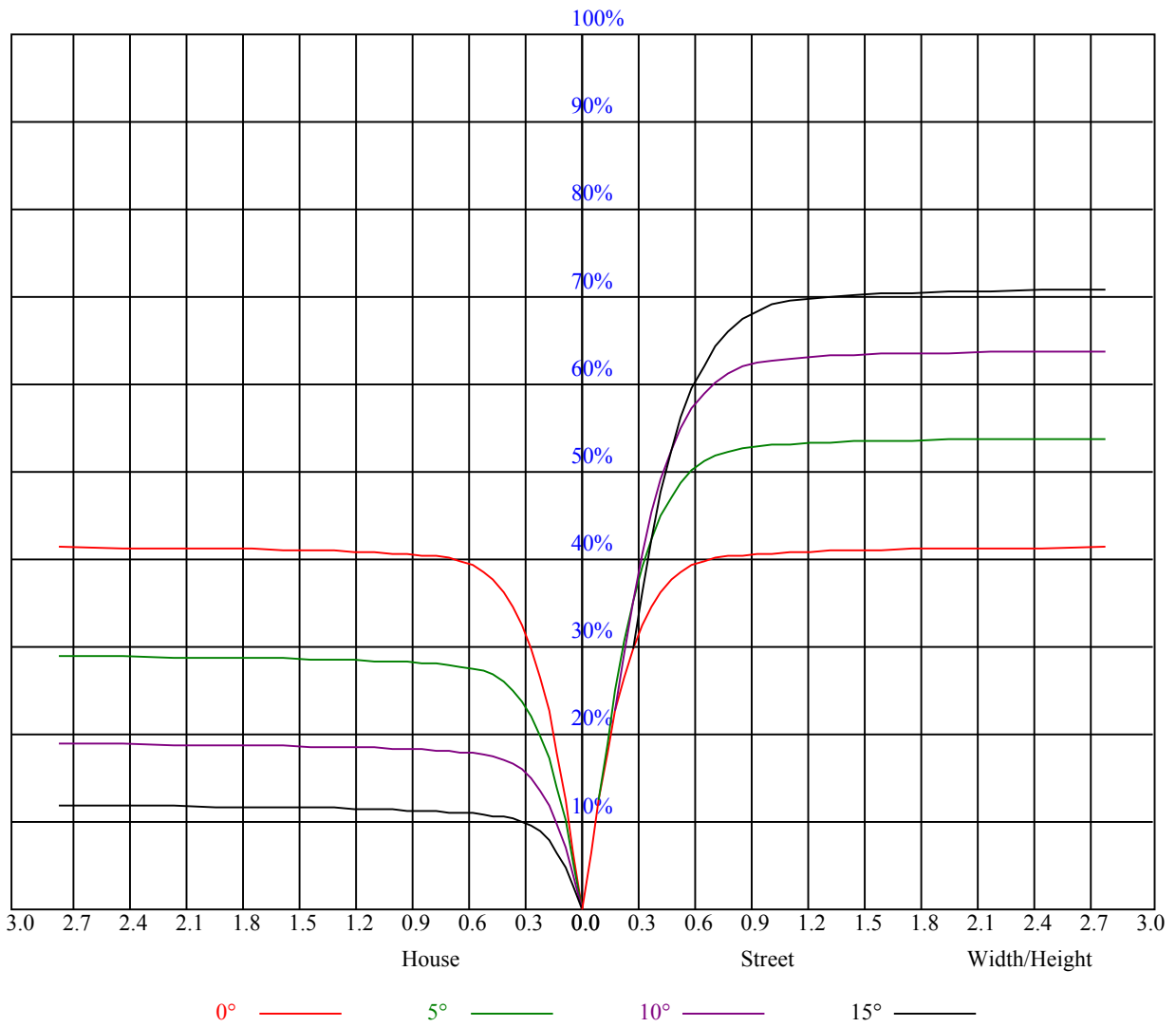


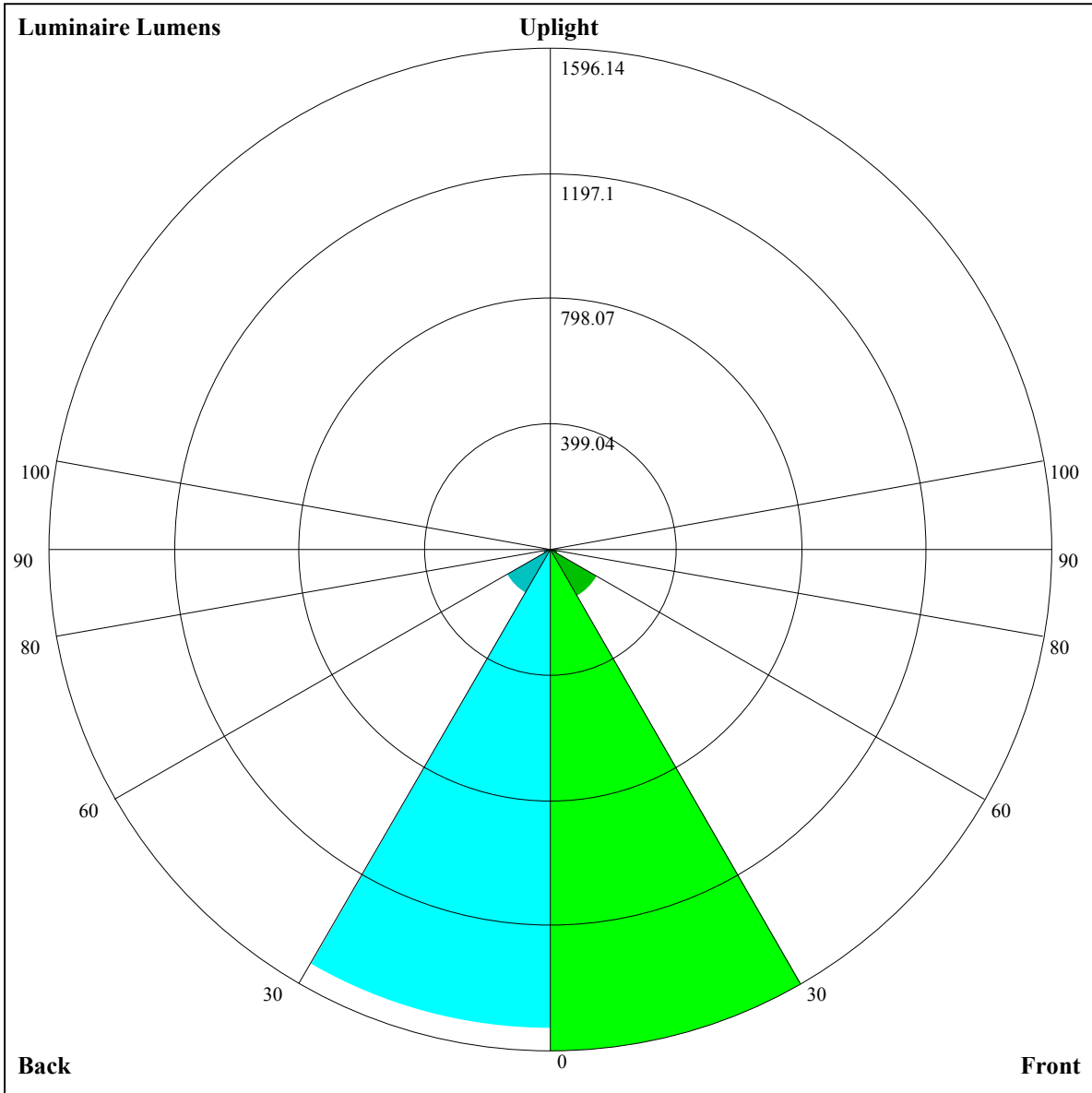
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.90	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.77	0.75
3	0.84	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	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	0.72	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1596.14,FM=172.85,FH=27.38,FVH=9.13

BL=1527.55,BM=162.61,BH=28.16,BVH=9.05

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	14177.66	14136.70	13926.01	13557.32	11655.98	11655.98	11464.62	10490.22	9714.21
45.0	13978.68	14183.51	14206.92	14054.76	13609.99	13071.59	12410.28	11497.33	10718.98
90.0	14160.10	14078.17	13826.53	13399.31	11542.45	11542.45	11161.47	10371.42	9592.48
135.0	14072.32	14095.73	13885.05	13516.36	12960.39	12094.26	11339.32	10555.12	9776.77
180.0	14177.66	13961.13	13609.99	13089.14	12433.69	11514.89	10724.83	9923.08	9138.87
225.0	13978.68	13510.50	12574.14	11522.55	11522.55	10535.28	9723.57	8927.67	7979.02
270.0	14160.10	14025.50	13732.89	13288.12	12533.18	11836.76	11075.97	10075.23	9279.33
315.0	14072.32	13826.53	13457.83	12562.44	11540.11	11346.40	10555.18	9769.22	8988.53
360.0	14177.66	14136.70	13926.01	13557.32	11655.98	11655.98	11464.62	10490.22	9714.21
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8756.19	8015.89	7298.40	6640.61	5879.81	5328.53	4823.48	4372.27	3878.34
45.0	9934.78	8969.16	8214.22	7324.68	6669.22	6043.03	5481.22	4837.47	4380.99
90.0	8625.10	7874.26	7171.99	6360.28	5765.11	5103.22	4630.36	4209.00	3841.48
135.0	8828.70	8097.17	7394.90	6739.45	5978.66	5440.25	4936.96	4380.99	4000.60
180.0	8202.51	7488.54	6639.96	6031.33	5481.22	4855.03	4416.11	4035.71	3696.28
225.0	7257.43	6444.56	5852.89	5314.49	4811.78	4274.54	3901.75	3573.44	3280.83
270.0	8331.26	7599.73	6897.46	6253.71	5533.89	5007.19	4544.86	4141.05	3696.28
315.0	8041.05	7330.00	6676.89	6074.11	5371.84	4870.89	4311.41	3926.92	3586.32
360.0	8756.19	8015.89	7298.40	6640.61	5879.81	5328.53	4823.48	4372.27	3878.34
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3546.52	3252.74	2933.21	2695.60	2471.46	2211.62	2040.74	1882.14	1661.51
45.0	3983.04	3637.76	3269.07	3005.72	3005.72	2737.16	2294.14	2117.40	1955.30
90.0	3449.37	3173.15	2929.11	2703.80	2430.50	2231.52	2057.71	1901.45	1697.80
135.0	3661.17	3304.18	3046.68	2982.31	2737.16	2349.74	2172.41	1979.29	1817.18
180.0	3310.03	3046.68	2988.16	2757.64	2345.06	2172.41	2025.52	1817.77	1645.71
225.0	2961.30	2733.64	2519.45	2310.53	2092.82	1940.66	1746.37	1569.05	1126.15
270.0	3374.41	3093.50	2970.60	2970.60	2380.75	2132.62	1975.78	1779.73	1607.09
315.0	3212.94	2957.20	2720.77	2500.14	2239.13	2067.07	1913.74	1751.05	1528.08
360.0	3546.52	3252.74	2933.21	2695.60	2471.46	2211.62	2040.74	1882.14	1661.51
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1164.60	1164.60	1081.79	925.01	779.70	641.70	483.92	373.08	284.65
45.0	1744.61	1560.27	1331.45	1164.07	1001.38	849.81	673.65	544.90	426.69
90.0	1380.60	1163.43	1120.82	955.26	762.67	622.97	494.81	358.39	276.69
135.0	1639.27	1454.34	1229.62	1060.49	901.31	750.90	580.02	456.53	348.85
180.0	1466.05	1234.88	1065.75	906.57	718.71	587.04	461.80	326.61	304.38
225.0	1126.15	1001.03	842.78	696.24	530.86	412.88	312.33	239.01	192.13
270.0	1431.52	1254.20	1037.08	866.19	710.52	568.90	414.40	314.32	314.32
315.0	1126.79	1126.79	1001.03	802.75	657.79	494.34	380.81	288.75	215.77
360.0	1164.60	1164.60	1081.79	925.01	779.70	641.70	483.92	373.08	284.65
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	229.58	196.58	177.03	159.36	140.45	126.82	112.07	101.83	92.82
45.0	326.61	305.55	233.80	187.56	169.13	149.17	135.01	122.19	108.73
90.0	225.90	199.33	175.33	158.48	143.85	130.27	115.58	105.40	96.21
135.0	304.38	304.38	185.52	162.11	146.19	131.97	116.46	105.63	95.86
180.0	304.38	182.82	159.71	143.67	129.22	115.99	102.00	92.23	83.45
225.0	172.29	154.67	139.11	121.84	109.50	96.45	87.49	79.53	71.22
270.0	228.82	170.18	153.39	138.64	122.14	110.02	99.66	88.60	80.76
315.0	187.92	169.13	148.24	133.67	120.44	108.44	98.08	86.91	79.18
360.0	229.58	196.58	177.03	159.36	140.45	126.82	112.07	101.83	92.82

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	84.57	75.61	69.35	63.97	59.17	53.96	50.50	47.52	44.95
45.0	99.31	88.78	81.40	74.79	68.94	62.38	57.94	54.13	50.91
90.0	85.91	78.71	70.81	65.37	60.57	56.24	51.85	48.81	46.29
135.0	87.26	77.72	71.10	65.14	59.93	54.43	50.80	47.70	44.59
180.0	74.21	67.83	61.10	56.59	52.67	49.28	45.53	43.13	41.02
225.0	65.49	60.57	55.54	51.97	48.98	46.29	43.60	41.67	40.03
270.0	73.97	66.66	61.68	57.41	53.61	49.45	46.70	44.36	42.25
315.0	72.45	65.19	60.28	55.95	51.44	48.40	45.06	42.84	40.97
360.0	84.57	75.61	69.35	63.97	59.17	53.96	50.50	47.52	44.95
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.25	40.44	38.57	37.28	36.23	35.11	34.59	34.24	33.71
45.0	47.52	45.12	43.13	41.02	39.68	38.45	37.22	36.46	35.93
90.0	44.07	41.73	40.09	38.80	37.63	36.46	35.93	35.46	34.76
135.0	42.49	40.15	38.62	37.34	36.34	35.29	34.82	34.65	34.18
180.0	39.21	37.28	36.05	35.05	34.29	33.77	33.77	33.24	32.95
225.0	38.62	37.16	36.23	35.58	35.17	35.05	34.70	34.24	33.53
270.0	40.15	38.57	37.28	35.99	35.17	34.65	34.59	34.41	34.00
315.0	39.33	37.63	36.52	35.52	34.82	34.29	34.18	33.88	33.47
360.0	42.25	40.44	38.57	37.28	36.23	35.11	34.59	34.24	33.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.07	32.36	30.72	29.32	27.51	26.16	25.16	23.88	23.12
45.0	35.11	34.41	33.59	31.78	30.31	28.91	27.45	26.16	25.16
90.0	34.12	32.71	30.96	29.61	28.15	26.51	25.87	25.57	25.16
135.0	33.53	32.77	31.31	29.44	28.03	26.45	25.22	24.29	23.29
180.0	32.42	30.49	29.20	27.86	26.28	25.81	25.69	26.51	27.56
225.0	32.13	30.31	29.03	27.68	26.92	26.39	26.39	27.15	28.44
270.0	33.36	32.13	30.49	29.32	28.21	28.21	28.62	29.32	29.73
315.0	32.71	31.25	29.32	27.97	26.51	25.16	24.23	23.47	22.82
360.0	33.07	32.36	30.72	29.32	27.51	26.16	25.16	23.88	23.12
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.53	21.89	21.42	20.89	20.42	20.01	19.61	19.08	18.79
45.0	24.40	23.99	23.35	22.82	22.12	21.48	20.89	20.07	19.61
90.0	24.52	23.99	23.29	22.30	21.48	20.72	19.84	19.31	18.73
135.0	22.71	22.24	21.77	21.24	20.78	20.31	19.84	19.25	18.84
180.0	27.86	27.92	27.74	27.45	27.21	26.39	23.94	22.41	20.54
225.0	29.09	29.32	29.09	28.62	27.62	25.93	24.29	22.12	19.20
270.0	30.08	30.08	29.73	29.26	28.44	27.62	26.63	25.22	22.30
315.0	22.12	21.65	21.24	20.78	20.19	19.72	19.25	18.67	18.26
360.0	22.53	21.89	21.42	20.89	20.42	20.01	19.61	19.08	18.79
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.43	17.85	17.09	16.74	16.44	16.04	15.63	15.33	15.22
45.0	19.14	18.67	18.08	17.38	16.91	16.50	16.15	15.68	15.39
90.0	18.20	17.73	17.26	16.80	16.50	15.98	15.63	15.39	15.45
135.0	18.38	17.85	17.44	16.97	16.56	15.98	15.63	15.27	15.39
180.0	18.02	17.32	16.85	16.56	16.09	15.63	15.22	15.10	14.98
225.0	17.67	17.09	16.74	16.27	15.74	15.33	15.22	14.98	15.04
270.0	18.73	17.67	17.09	16.68	16.44	15.86	15.45	15.39	15.04
315.0	17.85	17.44	17.09	16.68	16.27	15.63	15.33	15.27	14.92
360.0	18.43	17.85	17.09	16.74	16.44	16.04	15.63	15.33	15.22

Intensity data(cd)

C/γ(°)	90.0
0.0	14.98
45.0	15.33
90.0	14.98
135.0	14.98
180.0	14.92
225.0	15.04
270.0	15.16
315.0	15.10
360.0	14.98