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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.412.00

Report No: 2024326-B023

Ballast type: AC

Test No: 2024326-C023

Voltage(V): 34.450

LampCAT: Fortimo\_SLM\_C\_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.804

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3541.41, Efficiency(%): 83.72% , Luminous Efficacy(lm/W): 142.78

Central intensity(cd): 14040.130, Maximum intensity(cd): 14040.130

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.2

[C90/270]Total=22.2

Field angle(10%Imax): [C0/180]Total=54.2

[C90/270]Total=54.2

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(%): 83.72%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.063%

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	14040.133	0.000	0	0.00%	0.00%
1.0	13915.773	13.376	13.376	0.32%	0.38%
2.0	13445.186	39.271	52.647	0.93%	1.49%
3.0	12907.006	63.026	115.673	1.49%	3.27%
4.0	12115.065	83.757	199.43	1.98%	5.63%
5.0	11615.868	102.089	301.519	2.41%	8.51%
6.0	10952.881	118.605	420.124	2.80%	11.86%
7.0	10168.094	131.098	551.222	3.10%	15.57%
8.0	9367.214	139.810	691.032	3.31%	19.51%
9.0	8574.673	145.409	836.441	3.44%	23.62%
10.0	7816.806	148.337	984.778	3.51%	27.81%
11.0	7086.372	148.913	1133.692	3.52%	32.01%
12.0	6420.972	147.655	1281.346	3.49%	36.18%
13.0	5722.652	144.114	1425.46	3.41%	40.25%
14.0	5173.272	139.467	1564.927	3.30%	44.19%
15.0	4677.367	135.234	1700.161	3.20%	48.01%
16.0	4228.572	130.497	1830.658	3.09%	51.69%
17.0	3804.577	125.098	1955.756	2.96%	55.23%
18.0	3465.951	119.875	2075.631	2.83%	58.61%
19.0	3171.583	115.480	2191.111	2.73%	61.87%
20.0	2954.830	112.130	2303.241	2.65%	65.04%
21.0	2740.572	109.363	2412.604	2.59%	68.13%
22.0	2487.177	105.054	2517.658	2.48%	71.09%
23.0	2279.942	100.027	2617.685	2.36%	73.92%
24.0	2035.398	94.349	2712.034	2.23%	76.58%
25.0	1843.810	88.205	2800.239	2.09%	79.07%
26.0	1626.121	81.908	2882.147	1.94%	81.38%
27.0	1427.912	74.718	2956.864	1.77%	83.49%
28.0	1250.926	67.822	3024.687	1.60%	85.41%
29.0	1124.795	62.156	3086.843	1.47%	87.16%
30.0	952.454	56.085	3142.928	1.33%	88.75%
31.0	807.888	48.988	3191.916	1.16%	90.13%
32.0	677.778	42.563	3234.478	1.01%	91.33%
33.0	553.257	36.267	3270.745	0.86%	92.36%
34.0	439.628	30.048	3300.793	0.71%	93.21%
35.0	352.269	24.593	3325.386	0.58%	93.90%
36.0	292.503	20.530	3345.916	0.49%	94.48%
37.0	251.552	17.744	3363.66	0.42%	94.98%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	191.017	14.772	3378.432	0.35%	95.40%
39.0	151.807	11.702	3390.134	0.28%	95.73%
40.0	112.868	9.231	3399.365	0.22%	95.99%
41.0	92.546	7.315	3406.679	0.17%	96.20%
42.0	77.564	6.180	3412.86	0.15%	96.37%
43.0	65.633	5.304	3418.164	0.13%	96.52%
44.0	57.923	4.663	3422.827	0.11%	96.65%
45.0	51.953	4.223	3427.05	0.10%	96.77%
46.0	47.191	3.877	3430.927	0.09%	96.88%
47.0	43.372	3.602	3434.529	0.09%	96.98%
48.0	40.461	3.389	3437.918	0.08%	97.08%
49.0	38.032	3.223	3441.142	0.08%	97.17%
50.0	35.830	3.080	3444.221	0.07%	97.26%
51.0	34.206	2.963	3447.184	0.07%	97.34%
52.0	33.043	2.886	3450.07	0.07%	97.42%
53.0	32.224	2.839	3452.909	0.07%	97.50%
54.0	31.588	2.813	3455.722	0.07%	97.58%
55.0	31.141	2.800	3458.522	0.07%	97.66%
56.0	30.893	2.803	3461.325	0.07%	97.74%
57.0	30.790	2.820	3464.145	0.07%	97.82%
58.0	30.827	2.849	3466.995	0.07%	97.90%
59.0	30.995	2.890	3469.885	0.07%	97.98%
60.0	31.185	2.938	3472.823	0.07%	98.06%
61.0	31.156	2.975	3475.798	0.07%	98.15%
62.0	30.790	2.985	3478.782	0.07%	98.23%
63.0	29.956	2.954	3481.737	0.07%	98.32%
64.0	28.903	2.888	3484.625	0.07%	98.40%
65.0	27.659	2.799	3487.424	0.07%	98.48%
66.0	26.408	2.698	3490.122	0.06%	98.55%
67.0	25.150	2.592	3492.714	0.06%	98.62%
68.0	24.258	2.503	3495.217	0.06%	98.70%
69.0	23.775	2.450	3497.668	0.06%	98.76%
70.0	23.797	2.443	3500.111	0.06%	98.83%
71.0	23.797	2.460	3502.571	0.06%	98.90%
72.0	23.753	2.472	3505.043	0.06%	98.97%
73.0	23.628	2.478	3507.521	0.06%	99.04%
74.0	23.329	2.469	3509.989	0.06%	99.11%
75.0	22.941	2.445	3512.434	0.06%	99.18%

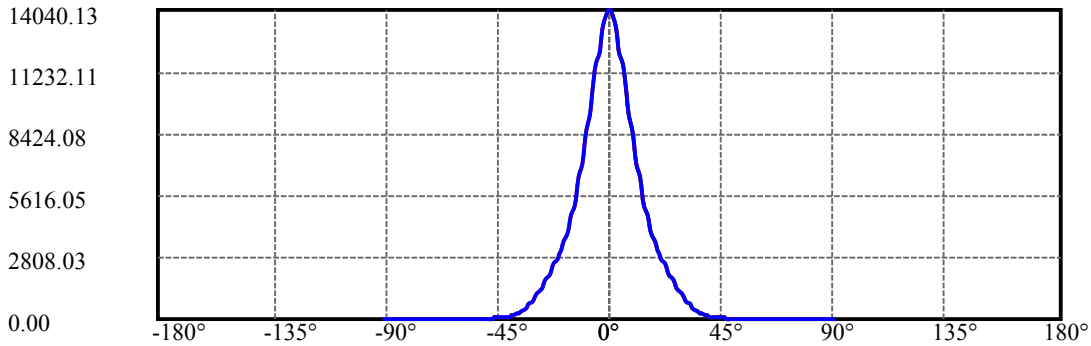
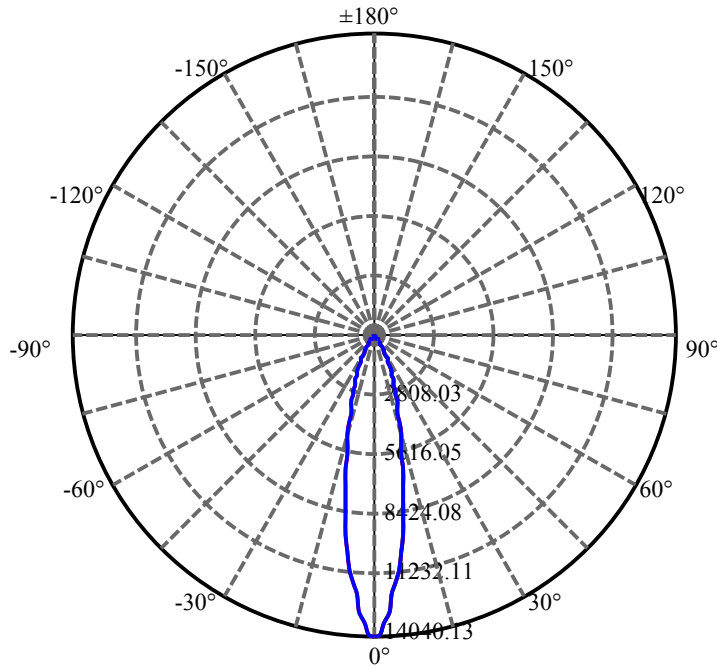
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.407	2.407	3514.841	0.06%	99.25%
77.0	21.705	2.352	3517.193	0.06%	99.32%
78.0	20.849	2.278	3519.471	0.05%	99.38%
79.0	20.000	2.195	3521.666	0.05%	99.44%
80.0	18.705	2.087	3523.753	0.05%	99.50%
81.0	17.637	1.965	3525.718	0.05%	99.56%
82.0	17.089	1.883	3527.601	0.04%	99.61%
83.0	16.686	1.836	3529.437	0.04%	99.66%
84.0	16.335	1.799	3531.236	0.04%	99.71%
85.0	16.028	1.766	3533.002	0.04%	99.76%
86.0	15.640	1.731	3534.733	0.04%	99.81%
87.0	15.391	1.698	3536.432	0.04%	99.86%
88.0	15.194	1.675	3538.107	0.04%	99.91%
89.0	15.048	1.658	3539.765	0.04%	99.95%
90.0	14.945	1.644	3541.409	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3142.93	74.30%	88.75%
0-40	3399.36	80.36%	95.99%
0-60	3472.82	82.10%	98.06%
0-90	3539.76	83.68%	99.95%
0-120	3539.76	83.68%	99.95%
0-180	3541.41	83.72%	100.00%
60-90	66.94	1.58%	1.89%
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%
0-25.40	2833.13	66.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	984.78
10-20	1318.46
20-30	839.69
30-40	256.44
40-50	44.86
50-60	28.60
60-70	27.29
70-80	23.64
80-90	16.01
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



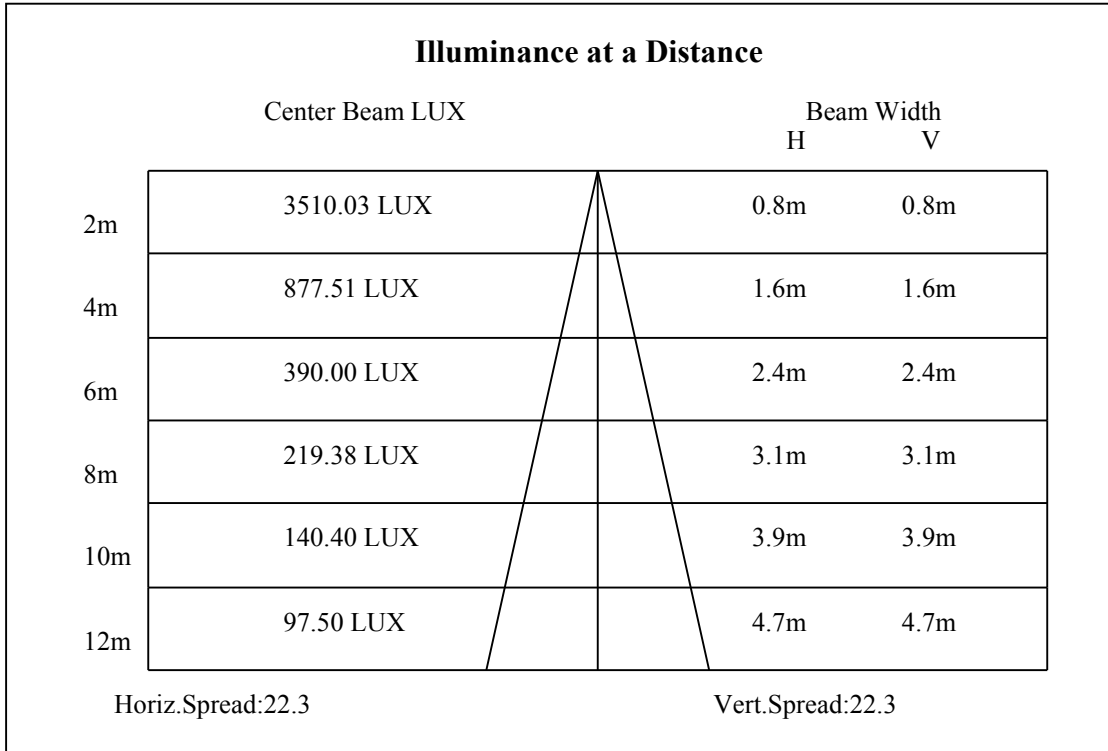
C0(Max): —————

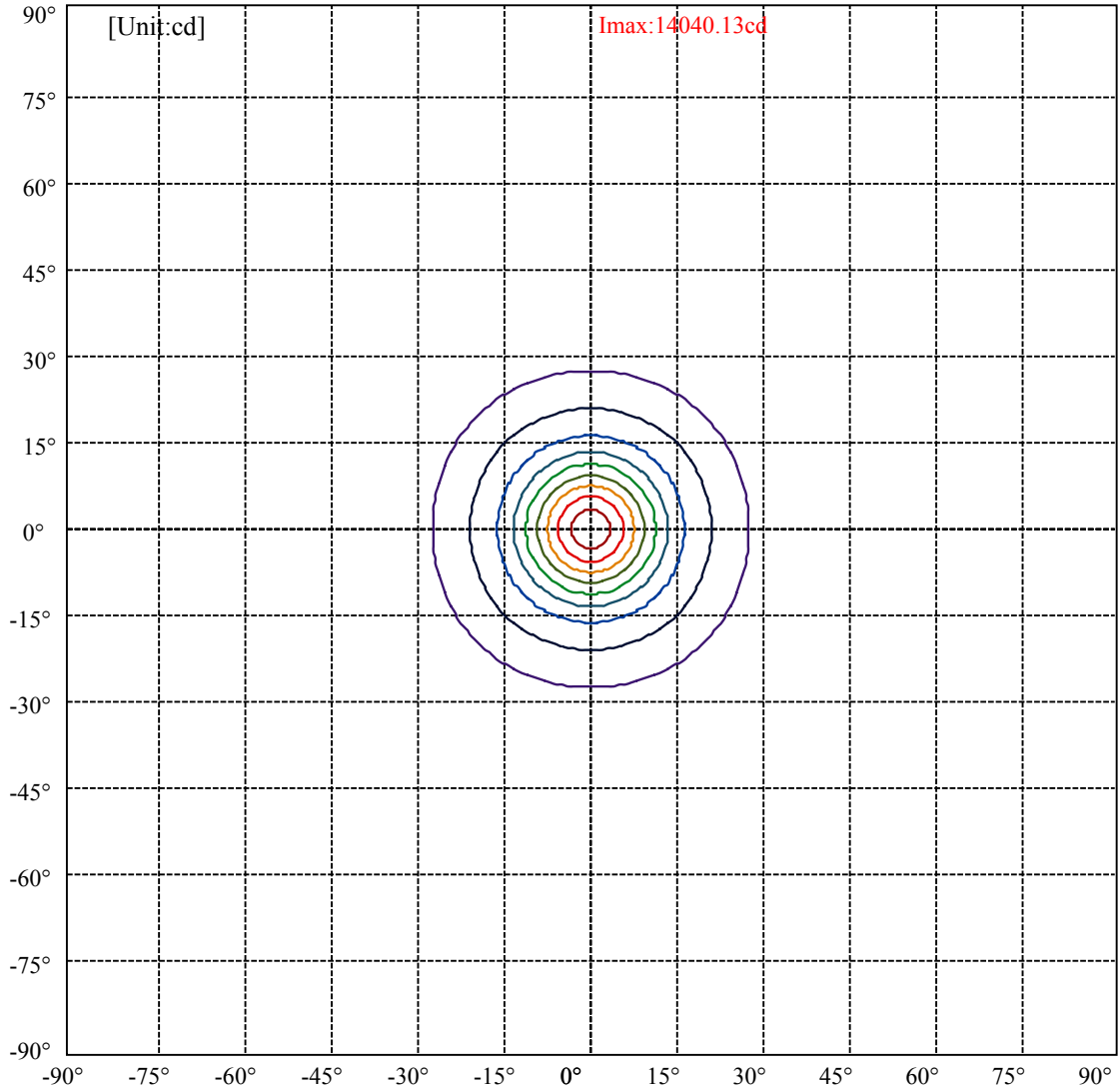
C0/C180: —————

C90/C270: —————

Field angle(10%I<sub>max</sub>):C0/180Left:27.1 Right:27.1  
:C90/270Left:27.1 Right:27.1

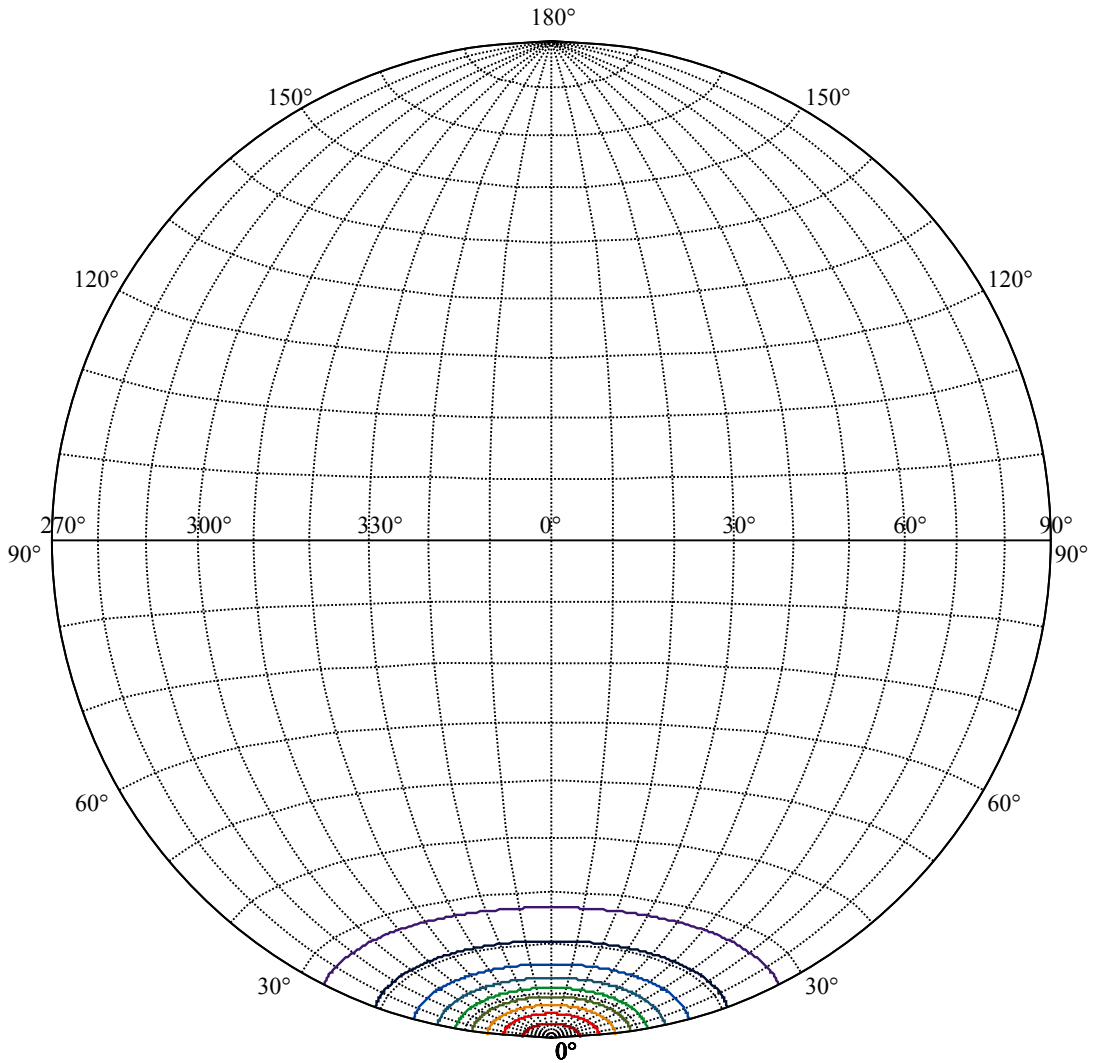
Beam Angle(50%I<sub>max</sub>):C0/180Left:11.1 Right:11.1  
:C90/270Left:11.1 Right:11.1





(10%Imax) 1404.01	—
(20%Imax) 2808.03	—
(30%Imax) 4212.04	—
(40%Imax) 5616.05	—
(50%Imax) 7020.07	—
(60%Imax) 8424.08	—
(70%Imax) 9828.09	—
(80%Imax) 11232.1	—
(90%Imax) 12636.1	—





House

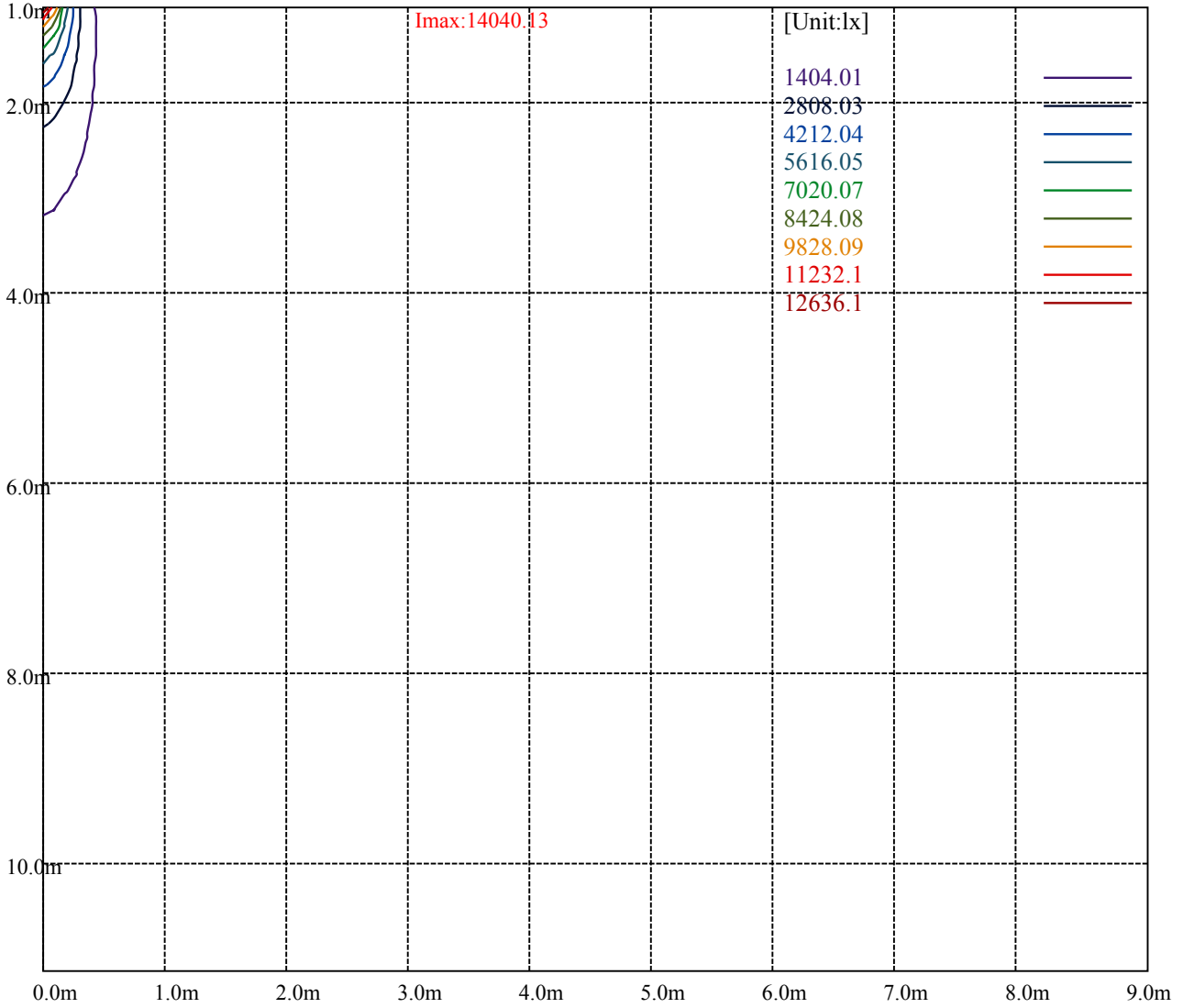
[Unit:cd]

Road

**Imax:14040.13**

(10%Imax)	1404.01	—
(20%Imax)	2808.03	—
(30%Imax)	4212.04	—
(40%Imax)	5616.05	—
(50%Imax)	7020.07	—
(60%Imax)	8424.08	—
(70%Imax)	9828.09	—
(80%Imax)	11232.1	—
(90%Imax)	12636.1	—





Luminance Table

$\gamma$	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

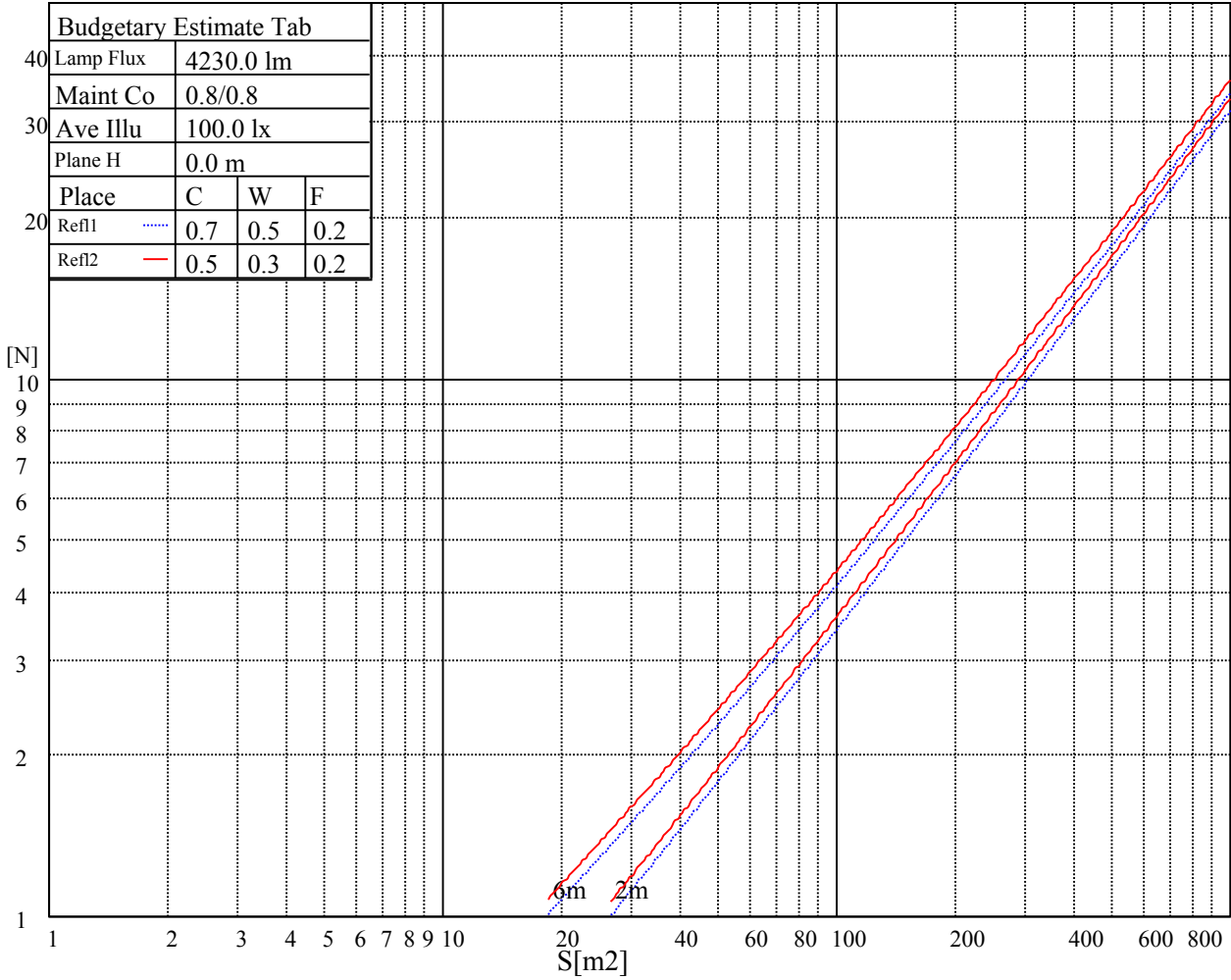
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

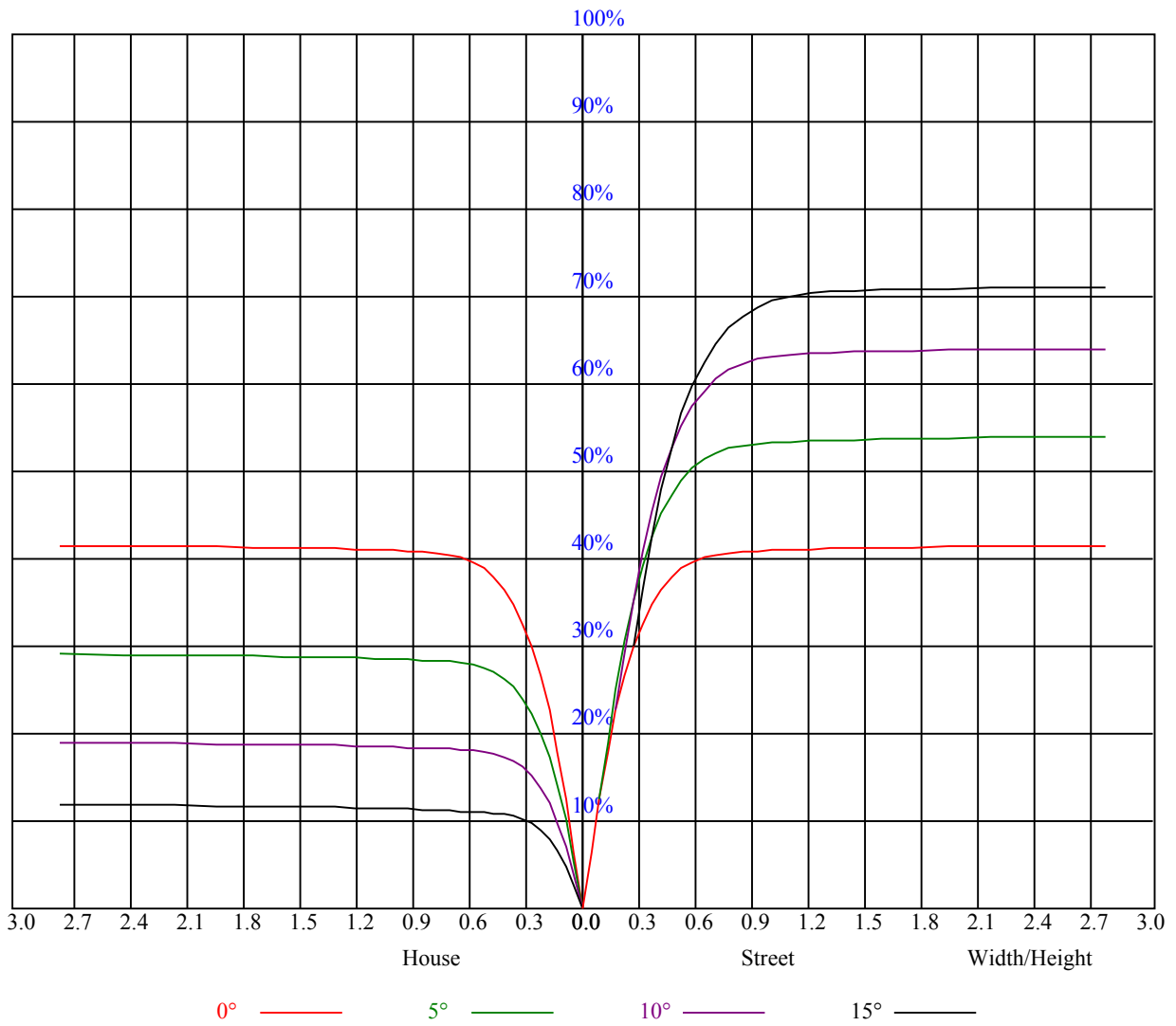


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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				

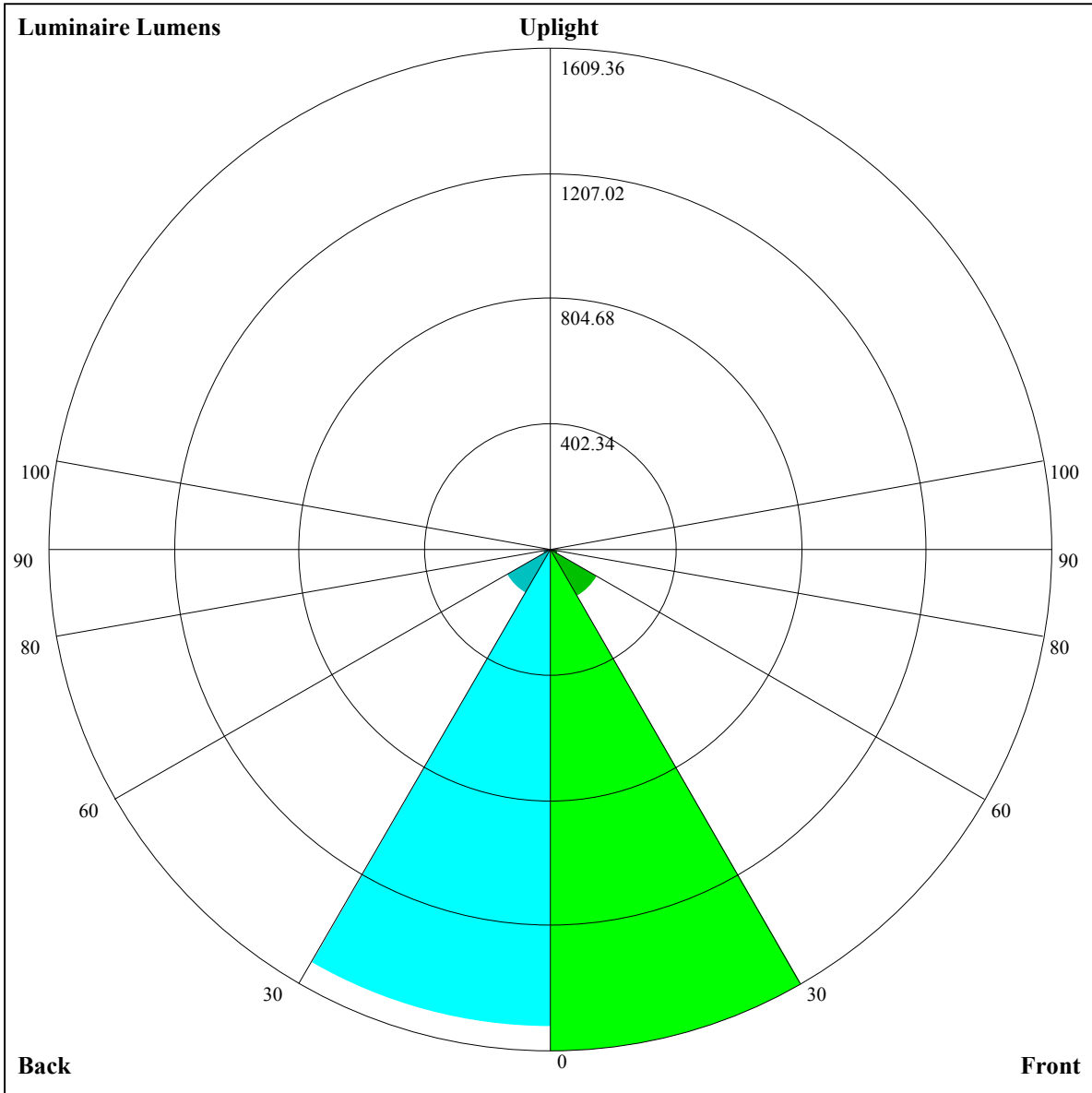
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	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	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.75	0.77	0.75	0.74	0.72
4	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=1609.36,FM=172.02,FH=25.04,FVH=8.91

BL=1532.88,BM=160.97,BH=26.21,BVH=8.87

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	14124.99	14113.29	13867.49	13475.39	11572.30	11572.30	11387.95	10454.52	9727.08
45.0	13890.90	14148.40	14189.37	14002.09	13539.77	12983.80	12334.20	11456.36	10718.98
90.0	14119.14	14002.09	13709.48	13253.01	11643.11	11643.11	11112.90	10373.76	9661.54
135.0	14025.50	14043.06	13785.56	13405.16	12697.04	12012.33	11298.35	10555.12	9653.87
180.0	14124.99	13890.90	13492.95	12966.25	12146.93	11421.25	10654.61	9893.81	8969.16
225.0	13890.90	13375.90	11565.86	11565.86	11376.83	10411.80	9653.34	8908.35	7987.21
270.0	14119.14	13943.57	13627.55	13007.21	12363.46	11678.75	10736.54	9987.45	9244.21
315.0	14025.50	13808.97	13323.23	11581.08	11581.08	11203.61	10445.15	9715.38	8975.65
360.0	14124.99	14113.29	13867.49	13475.39	11572.30	11572.30	11387.95	10454.52	9727.08
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8994.97	8076.75	7371.55	6695.03	5924.29	5366.57	4850.40	4380.47	3902.34
45.0	9806.03	9074.50	8337.12	7623.14	6768.71	6130.82	5557.30	5018.89	4427.81
90.0	8736.88	8011.79	7297.23	6466.21	5866.94	5318.00	4699.42	4265.76	3808.70
135.0	8939.90	8214.22	7511.95	6844.79	6078.15	5516.33	4995.48	4427.81	4041.56
180.0	8255.18	7552.91	6704.34	6072.29	5387.58	4872.58	4427.81	4047.42	3631.91
225.0	7282.01	6614.27	5849.97	5306.88	4806.51	4262.25	3897.66	3582.81	3291.36
270.0	8342.97	7623.14	6920.87	6277.12	5569.00	5048.15	4568.27	4164.46	3725.54
315.0	8239.44	7366.87	6697.96	6082.30	5380.03	4871.47	4422.60	3940.96	3607.39
360.0	8994.97	8076.75	7371.55	6695.03	5924.29	5366.57	4850.40	4380.47	3902.34
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3576.95	3271.47	2997.58	2686.83	2468.54	2269.56	2040.74	1866.93	1656.83
45.0	4029.86	3684.58	3380.26	3040.83	2982.31	2982.31	2330.42	2148.42	1967.58
90.0	3499.12	3212.36	2954.86	2664.59	2453.32	2259.61	2081.12	1909.06	1696.63
135.0	3620.20	3333.44	3070.09	2953.05	2953.05	2371.98	2191.73	1971.68	1798.45
180.0	3327.59	3052.53	2994.01	2744.18	2336.86	2170.07	1988.65	1786.17	1621.72
225.0	2963.05	2724.87	2510.09	2319.89	2098.68	1930.72	1763.34	1553.83	1138.44
270.0	3403.67	3122.76	2999.86	2999.86	2335.11	2166.56	1975.19	1772.12	1602.99
315.0	3307.16	2970.66	2731.89	2515.36	2269.56	2088.73	1911.99	1742.27	1526.33
360.0	3576.95	3271.47	2997.58	2686.83	2468.54	2269.56	2040.74	1866.93	1656.83
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1362.46	1158.69	1158.69	964.39	826.69	702.97	585.34	454.54	367.87
45.0	1748.71	1574.31	1364.22	1198.60	1041.17	894.28	731.59	611.62	504.52
90.0	1523.98	1149.56	1149.56	994.06	851.91	691.27	573.11	446.18	361.61
135.0	1624.06	1450.83	1238.39	1076.87	926.47	790.70	635.61	526.18	408.55
180.0	1450.25	1246.00	1087.99	896.04	753.83	634.44	524.42	404.45	326.61
225.0	1138.44	1018.82	868.83	736.15	584.41	477.60	387.83	296.47	237.89
270.0	1428.01	1261.80	1104.38	911.25	768.46	642.64	531.44	407.96	329.54
315.0	1147.39	1147.39	1026.31	842.26	710.17	588.33	456.71	369.63	281.55
360.0	1362.46	1158.69	1158.69	964.39	826.69	702.97	585.34	454.54	367.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	296.47	238.19	180.66	145.37	113.24	94.34	79.88	66.07	58.35
45.0	411.47	315.49	299.11	299.11	161.29	125.36	103.99	83.45	71.16
90.0	292.09	235.49	180.07	145.96	119.97	99.49	83.63	68.71	60.16
135.0	330.71	296.18	296.18	157.84	128.16	100.72	84.45	71.81	62.50
180.0	296.18	296.18	157.37	125.82	102.47	85.44	70.40	61.45	55.01
225.0	190.55	152.57	117.10	96.56	81.11	69.70	59.46	53.61	48.22
270.0	296.77	296.77	158.01	129.16	101.36	84.86	69.76	61.27	55.01
315.0	225.78	181.54	139.63	114.65	95.33	80.47	68.94	58.70	52.96
360.0	296.47	238.19	180.66	145.37	113.24	94.34	79.88	66.07	58.35

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	52.67	48.16	43.60	40.67	38.16	36.05	34.00	32.77	31.84
45.0	62.21	54.43	49.69	45.76	42.55	39.21	37.04	35.35	34.00
90.0	52.44	47.93	44.24	40.61	38.22	36.23	34.41	33.30	32.54
135.0	55.83	49.57	45.65	42.37	39.62	36.81	35.00	33.42	32.54
180.0	48.92	45.18	41.38	38.92	36.87	34.70	33.42	32.42	31.72
225.0	44.77	41.90	38.92	36.93	35.35	33.94	32.83	32.25	31.66
270.0	50.33	45.65	42.55	39.97	37.69	35.46	34.06	33.01	32.30
315.0	48.46	44.71	40.97	38.45	35.82	34.24	32.89	31.84	31.19
360.0	52.67	48.16	43.60	40.67	38.16	36.05	34.00	32.77	31.84
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.08	30.67	30.31	30.14	30.08	30.20	30.43	30.61	30.61
45.0	32.89	32.25	31.72	31.31	31.08	30.96	31.08	31.19	31.43
90.0	32.01	31.43	31.13	31.08	31.02	31.19	31.43	31.60	31.13
135.0	31.89	31.25	30.96	30.84	30.84	30.96	31.25	31.54	31.43
180.0	31.13	30.78	30.61	30.55	30.67	31.02	31.31	31.19	30.61
225.0	31.37	31.13	31.08	31.19	31.60	31.78	31.72	30.90	30.08
270.0	31.60	31.19	31.02	30.96	31.02	31.25	31.49	31.49	30.96
315.0	30.72	30.43	30.31	30.26	30.31	30.61	30.78	30.72	30.08
360.0	31.08	30.67	30.31	30.14	30.08	30.20	30.43	30.61	30.61
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.79	29.03	27.80	26.39	24.93	23.70	22.53	21.77	21.13
45.0	31.31	30.72	29.90	28.91	27.04	25.81	24.58	23.47	22.41
90.0	30.43	29.26	27.80	26.51	25.05	23.76	23.12	23.17	23.00
135.0	30.61	29.85	28.56	26.92	25.75	24.40	23.00	22.30	21.59
180.0	29.61	28.32	27.04	25.98	24.52	23.99	24.29	25.40	26.57
225.0	28.85	27.21	26.16	24.99	24.29	24.11	24.40	25.40	26.63
270.0	29.96	28.91	27.51	26.51	25.75	25.69	26.39	27.51	28.09
315.0	29.09	27.92	26.51	25.05	23.88	22.59	21.89	21.36	20.95
360.0	29.79	29.03	27.80	26.39	24.93	23.70	22.53	21.77	21.13
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.66	20.31	19.96	19.61	19.20	18.84	18.49	18.14	17.79
45.0	21.89	21.65	21.36	21.01	20.48	20.01	19.49	18.84	18.43
90.0	22.59	22.18	21.59	20.95	20.07	19.43	18.73	18.32	17.97
135.0	21.19	20.83	20.48	20.07	19.72	19.37	19.02	18.49	18.14
180.0	26.98	27.10	26.98	26.86	26.63	25.40	23.41	21.95	20.01
225.0	27.68	28.09	27.97	27.56	26.63	25.11	23.53	21.42	18.02
270.0	28.56	28.73	28.44	27.97	27.45	26.74	25.81	24.81	21.65
315.0	20.48	20.13	19.84	19.49	19.08	18.73	18.32	18.02	17.62
360.0	20.66	20.31	19.96	19.61	19.20	18.84	18.49	18.14	17.79
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.50	17.09	16.56	16.27	16.04	15.74	15.39	15.22	15.04
45.0	18.08	17.67	17.26	16.74	16.33	16.09	15.74	15.51	15.22
90.0	17.50	17.09	16.68	16.39	16.09	15.74	15.57	15.27	15.27
135.0	17.79	17.32	16.91	16.50	16.21	15.68	15.51	15.22	15.27
180.0	17.56	16.80	16.44	16.15	15.74	15.33	15.04	14.92	14.81
225.0	17.15	16.62	16.33	15.92	15.51	15.22	15.16	14.86	14.86
270.0	18.20	17.21	16.68	16.39	16.21	15.74	15.45	15.39	14.98
315.0	17.32	16.91	16.62	16.33	16.09	15.57	15.27	15.16	14.92
360.0	17.50	17.09	16.56	16.27	16.04	15.74	15.39	15.22	15.04

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	14.92
45.0	15.10
90.0	14.98
135.0	14.92
180.0	14.81
225.0	14.86
270.0	14.98
315.0	14.98
360.0	14.92