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Nata

Client:

LumCAT: 2-2561-L

Luminaire: 92.70.411.00

Report No: 2024829-B0023

Ballast type: AC

Test No: 2024829-C003

Voltage(V): 34.970

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.603

Lamp flux(lm): 3408.0

Power (W): 21.080

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3194.14, Efficiency(%): 93.72% , Luminous Efficacy(lm/W): 151.52

Central intensity(cd): 12177.360, Maximum intensity(cd): 12177.360

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.6

[C90/270]Total=22.6

Field angle(10%Imax): [C0/180]Total=56.4

[C90/270]Total=56.4

Maximum s/h(1/2): C0_180=0.38 C90_270=0.38

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(%): 93.72%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.073%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12177.365	0.000	0	0.00%	0.00%
1.0	11962.437	11.550	11.55	0.34%	0.36%
2.0	11876.287	34.216	45.766	1.00%	1.43%
3.0	11638.592	56.240	102.006	1.65%	3.19%
4.0	11147.133	76.271	178.277	2.24%	5.58%
5.0	10705.654	94.010	272.287	2.76%	8.52%
6.0	9975.456	108.685	380.971	3.19%	11.93%
7.0	9328.937	119.822	500.793	3.52%	15.68%
8.0	8599.678	128.312	629.105	3.77%	19.70%
9.0	7796.957	132.886	761.991	3.90%	23.86%
10.0	6948.119	133.438	895.428	3.92%	28.03%
11.0	6302.290	132.399	1027.827	3.88%	32.18%
12.0	5587.657	129.974	1157.801	3.81%	36.25%
13.0	5013.713	125.812	1283.613	3.69%	40.19%
14.0	4476.544	121.474	1405.087	3.56%	43.99%
15.0	4041.255	116.936	1522.023	3.43%	47.65%
16.0	3598.107	111.938	1633.961	3.28%	51.15%
17.0	3241.726	106.515	1740.476	3.13%	54.49%
18.0	2977.915	102.548	1843.024	3.01%	57.70%
19.0	2760.405	99.835	1942.859	2.93%	60.83%
20.0	2460.444	95.556	2038.415	2.80%	63.82%
21.0	2290.720	91.232	2129.647	2.68%	66.67%
22.0	2105.989	88.354	2218.001	2.59%	69.44%
23.0	1915.824	84.389	2302.39	2.48%	72.08%
24.0	1755.916	80.277	2382.667	2.36%	74.59%
25.0	1629.786	76.983	2459.651	2.26%	77.01%
26.0	1503.866	73.970	2533.621	2.17%	79.32%
27.0	1334.779	69.448	2603.069	2.04%	81.50%
28.0	1241.171	65.218	2668.286	1.91%	83.54%
29.0	1121.322	61.810	2730.096	1.81%	85.47%
30.0	1014.154	57.657	2787.753	1.69%	87.28%
31.0	895.271	53.137	2840.89	1.56%	88.94%
32.0	779.883	47.991	2888.881	1.41%	90.44%
33.0	663.542	42.524	2931.405	1.25%	91.77%
34.0	550.921	36.753	2968.158	1.08%	92.93%
35.0	458.595	31.352	2999.51	0.92%	93.91%
36.0	374.015	26.510	3026.02	0.78%	94.74%
37.0	305.092	22.149	3048.169	0.65%	95.43%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	239.573	18.180	3066.349	0.53%	96.00%
39.0	188.686	14.618	3080.967	0.43%	96.46%
40.0	161.958	12.229	3093.196	0.36%	96.84%
41.0	107.438	9.593	3102.789	0.28%	97.14%
42.0	82.944	6.917	3109.706	0.20%	97.36%
43.0	68.542	5.611	3115.318	0.16%	97.53%
44.0	55.972	4.700	3120.017	0.14%	97.68%
45.0	48.187	4.003	3124.02	0.12%	97.80%
46.0	42.523	3.547	3127.568	0.10%	97.92%
47.0	38.732	3.232	3130.799	0.09%	98.02%
48.0	35.407	2.997	3133.796	0.09%	98.11%
49.0	33.200	2.817	3136.614	0.08%	98.20%
50.0	31.406	2.694	3139.307	0.08%	98.28%
51.0	29.921	2.595	3141.902	0.08%	98.36%
52.0	29.060	2.531	3144.433	0.07%	98.44%
53.0	28.364	2.498	3146.931	0.07%	98.52%
54.0	27.911	2.480	3149.411	0.07%	98.60%
55.0	27.674	2.481	3151.893	0.07%	98.68%
56.0	27.569	2.496	3154.389	0.07%	98.76%
57.0	27.530	2.519	3156.908	0.07%	98.83%
58.0	27.385	2.539	3159.448	0.07%	98.91%
59.0	27.037	2.544	3161.992	0.07%	98.99%
60.0	26.485	2.529	3164.52	0.07%	99.07%
61.0	25.375	2.475	3166.995	0.07%	99.15%
62.0	23.850	2.372	3169.367	0.07%	99.22%
63.0	22.103	2.235	3171.602	0.07%	99.29%
64.0	20.099	2.071	3173.673	0.06%	99.36%
65.0	18.147	1.893	3175.566	0.06%	99.42%
66.0	16.314	1.719	3177.285	0.05%	99.47%
67.0	14.685	1.559	3178.844	0.05%	99.52%
68.0	13.318	1.419	3180.262	0.04%	99.57%
69.0	12.122	1.298	3181.56	0.04%	99.61%
70.0	11.229	1.199	3182.759	0.04%	99.64%
71.0	10.460	1.121	3183.88	0.03%	99.68%
72.0	9.612	1.044	3184.924	0.03%	99.71%
73.0	8.936	0.970	3185.894	0.03%	99.74%
74.0	8.285	0.905	3186.799	0.03%	99.77%
75.0	7.628	0.841	3187.64	0.02%	99.80%

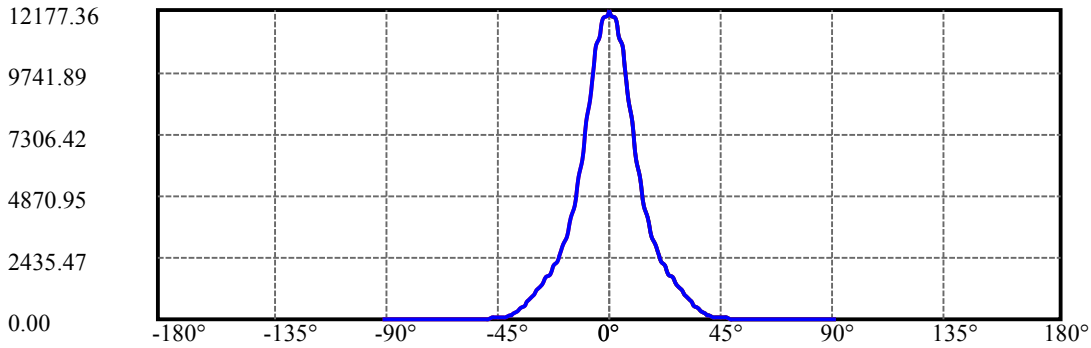
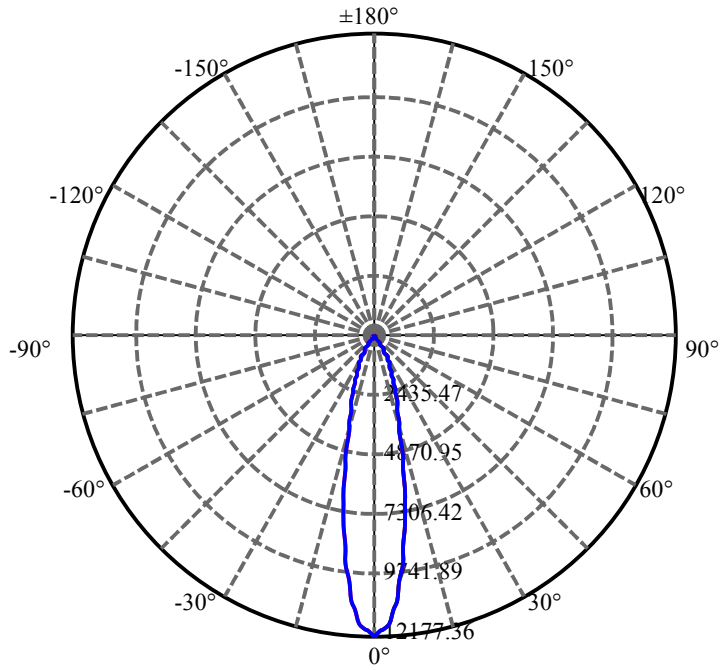
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.978	0.775	3188.415	0.02%	99.82%
77.0	6.419	0.714	3189.13	0.02%	99.84%
78.0	5.854	0.657	3189.787	0.02%	99.86%
79.0	5.335	0.601	3190.388	0.02%	99.88%
80.0	4.862	0.550	3190.938	0.02%	99.90%
81.0	4.448	0.503	3191.441	0.01%	99.92%
82.0	4.021	0.459	3191.9	0.01%	99.93%
83.0	3.587	0.414	3192.314	0.01%	99.94%
84.0	3.200	0.370	3192.684	0.01%	99.95%
85.0	2.832	0.329	3193.013	0.01%	99.96%
86.0	2.523	0.293	3193.306	0.01%	99.97%
87.0	2.162	0.256	3193.562	0.01%	99.98%
88.0	1.846	0.220	3193.781	0.01%	99.99%
89.0	1.629	0.191	3193.972	0.01%	99.99%
90.0	1.452	0.169	3194.141	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2787.75	81.80%	87.28%
0-40	3093.20	90.76%	96.84%
0-60	3164.52	92.86%	99.07%
0-90	3193.97	93.72%	99.99%
0-120	3193.97	93.72%	99.99%
0-180	3194.14	93.72%	100.00%
60-90	29.45	0.86%	0.92%
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%
0-26.31	2555.31	74.98%	80.00%

ZONAL LUMEN SUMMARY

0-10	895.43
10-20	1142.99
20-30	749.34
30-40	305.44
40-50	46.11
50-60	25.21
60-70	18.24
70-80	8.18
80-90	3.03
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: —————

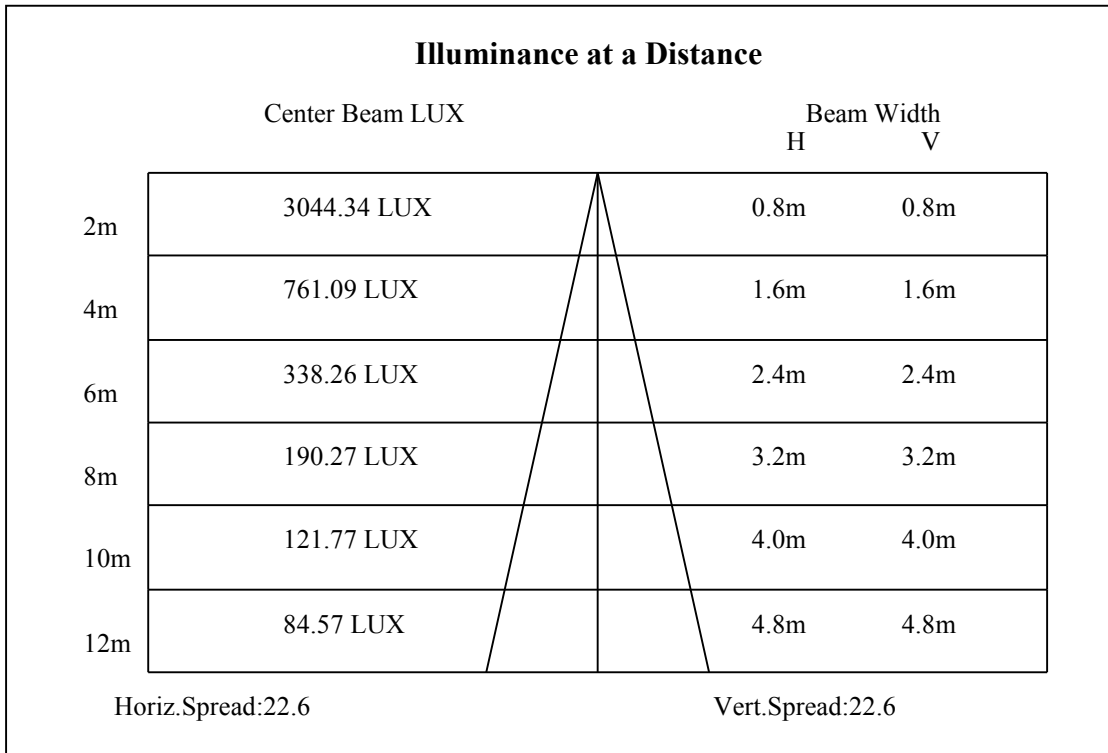
C90/C270: —————

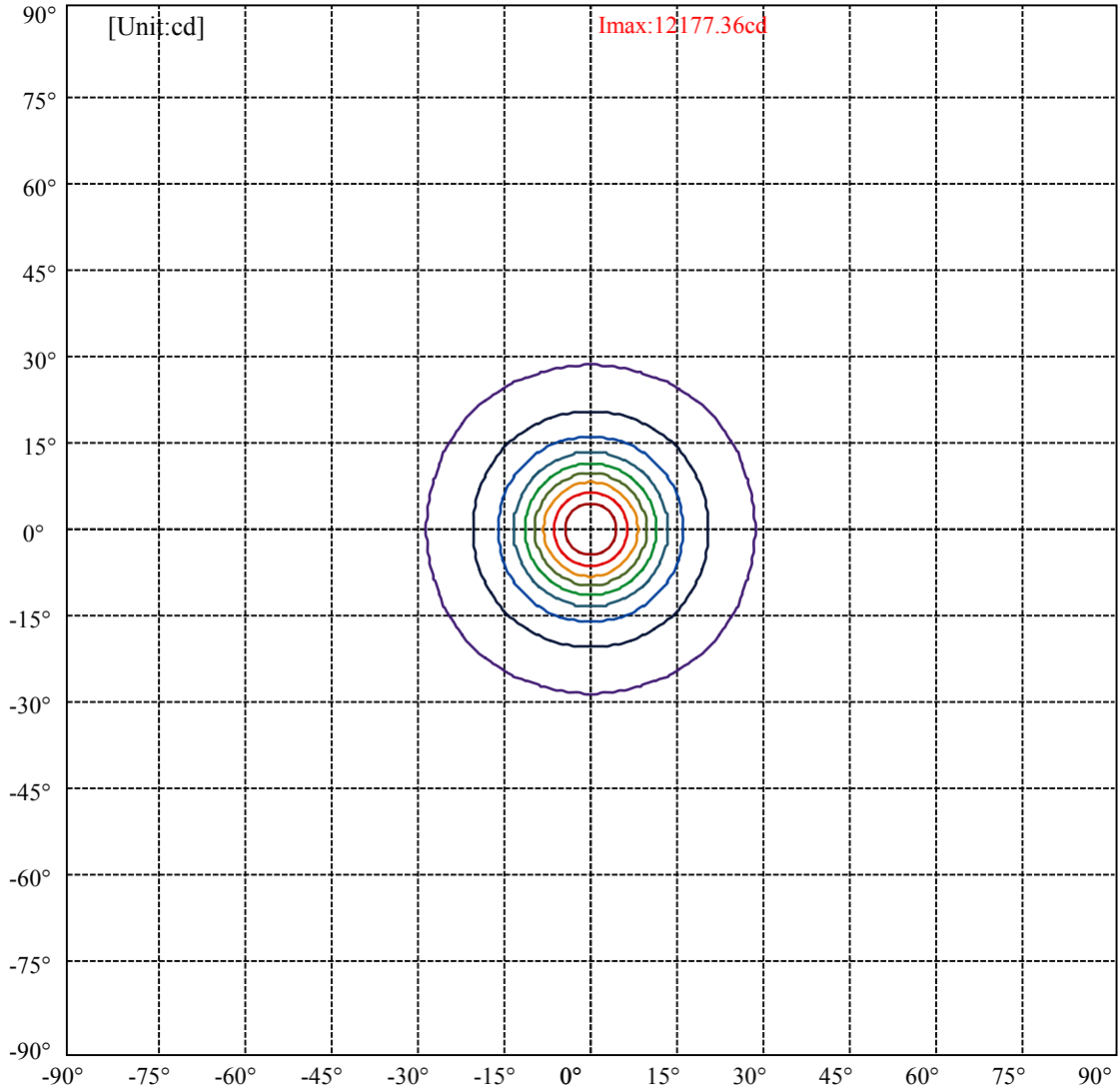
Field angle(10%Imax):C0/180Left:28.2 Right:28.2

:C90/270Left:28.2 Right:28.2

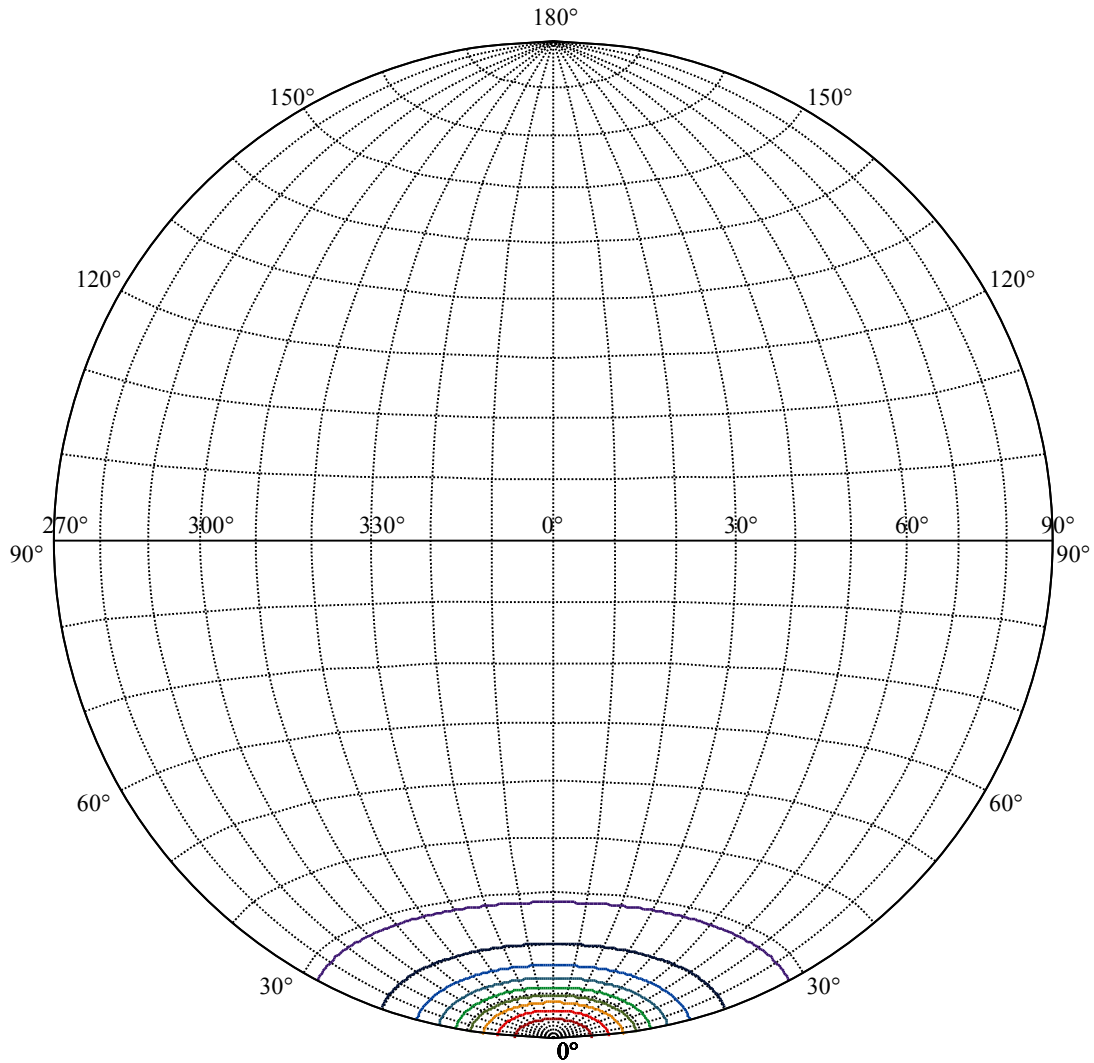
Beam Angle(50%Imax):C0/180Left:11.3 Right:11.3

:C90/270Left:11.3 Right:11.3





(10%Imax) 1217.74	—
(20%Imax) 2435.47	—
(30%Imax) 3653.21	—
(40%Imax) 4870.95	—
(50%Imax) 6088.68	—
(60%Imax) 7306.42	—
(70%Imax) 8524.16	—
(80%Imax) 9741.89	—
(90%Imax) 10959.6	—



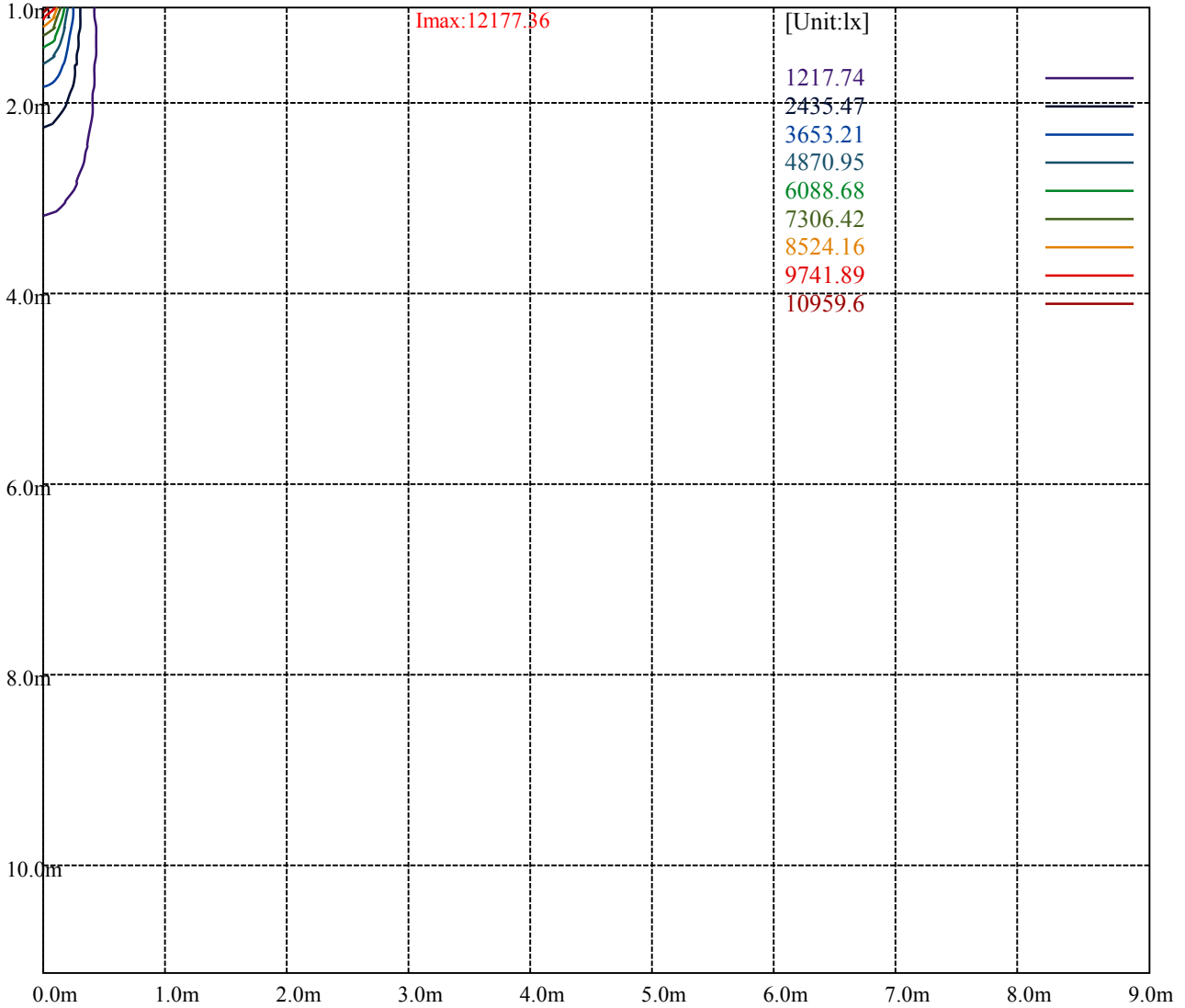
House

[Unit:cd]

Road

Imax:12177.36

(10%Imax)	1217.74	—
(20%Imax)	2435.47	—
(30%Imax)	3653.21	—
(40%Imax)	4870.95	—
(50%Imax)	6088.68	—
(60%Imax)	7306.42	—
(70%Imax)	8524.16	—
(80%Imax)	9741.89	—
(90%Imax)	10959.6	—



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

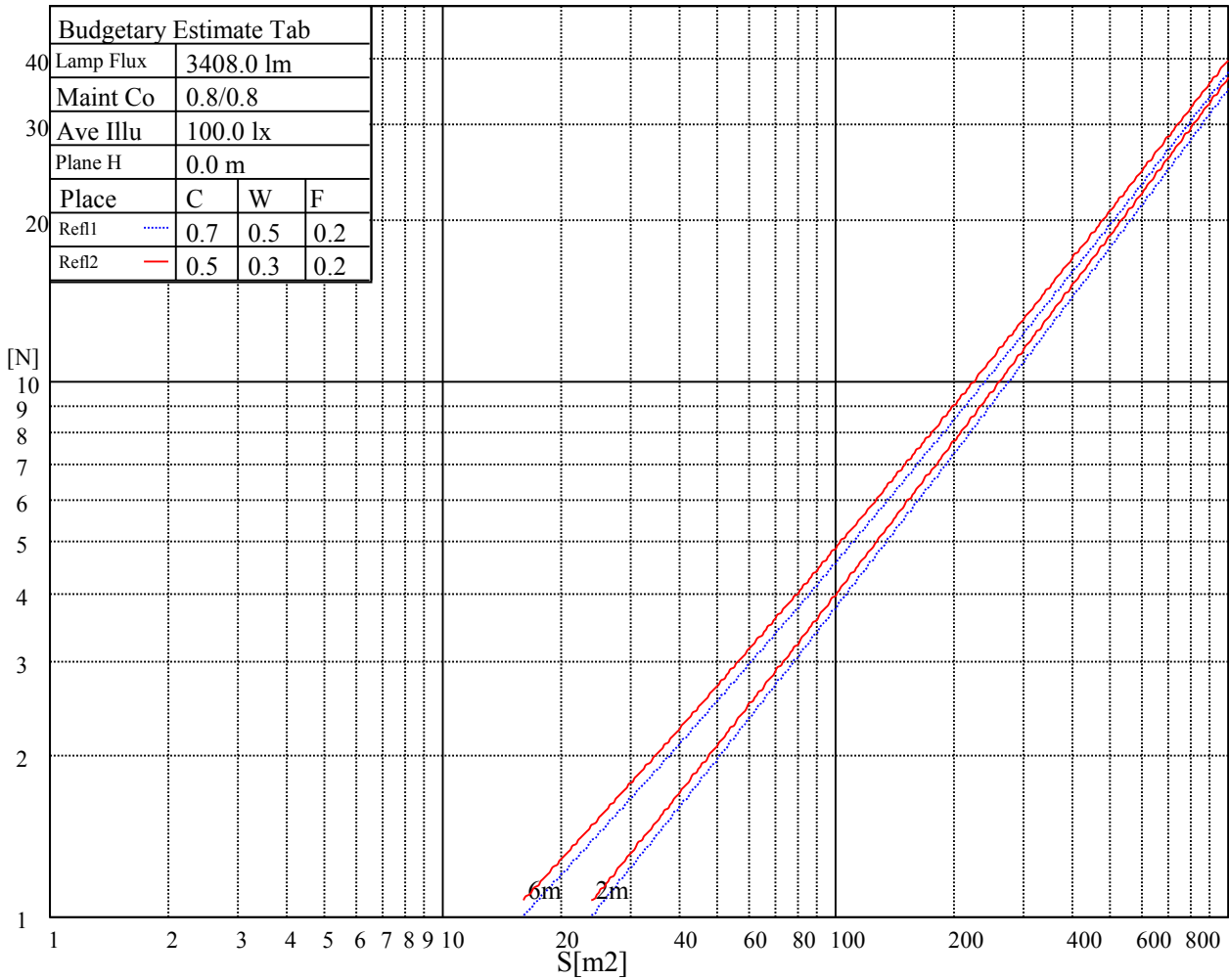
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

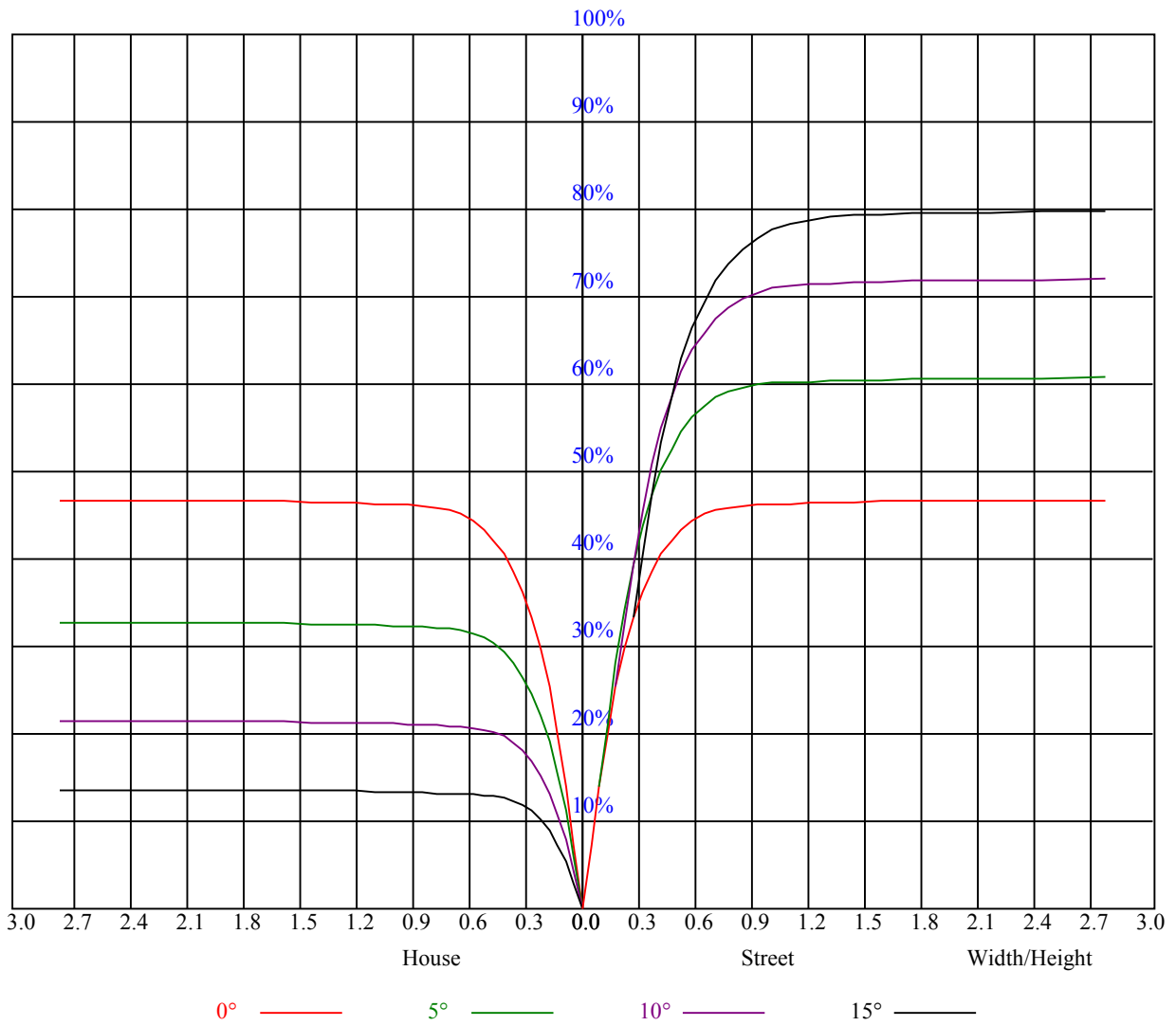


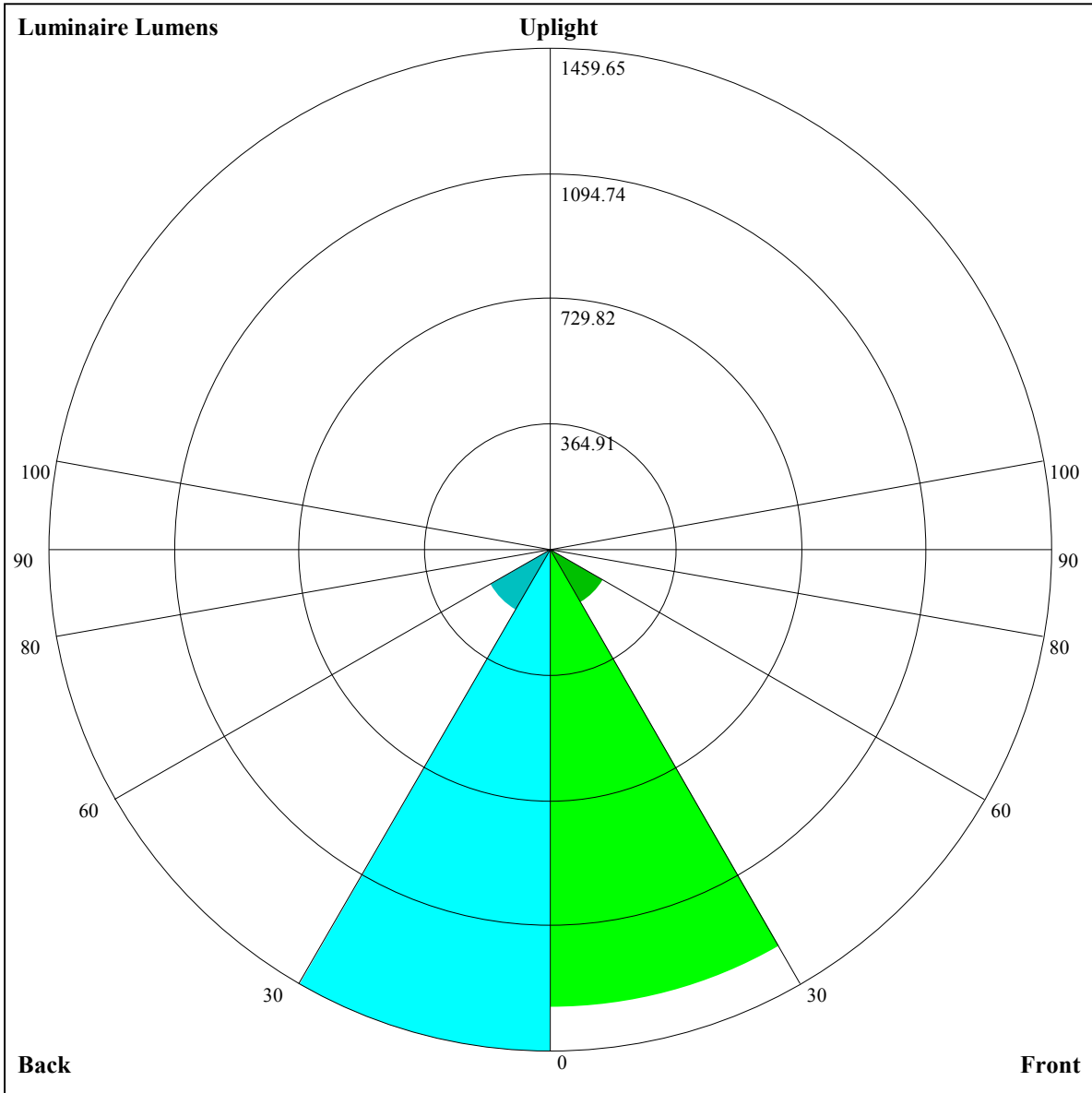
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.87	0.85
3	0.94	0.90	0.87	0.93	0.89	0.87	0.91	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.85	0.82	0.89	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.75
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62





Luminaire Lumens:

FL=1332.19,FM=179.5,FH=12.32,FVH=1.52

BL=1459.65,BM=205.26,BH=14,BVH=1.65

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	12038.07	11027.09	10789.19	10661.62	9978.52	9385.72	8437.96	7625.08	6997.70
45.0	12288.80	12038.07	11720.49	11090.90	10427.87	9854.00	9090.68	8271.66	7452.63
90.0	12026.93	11078.91	11078.91	10564.12	9818.62	8994.02	8160.49	7350.39	6568.10
135.0	12355.66	12266.51	12071.50	11703.78	11213.47	10600.59	9865.14	9051.68	8215.94
180.0	12038.07	12221.94	12277.65	12221.94	12071.50	11748.35	11285.90	10673.03	10238.44
225.0	12288.80	12439.23	12483.80	12405.80	12238.65	12065.93	11039.91	10738.47	10249.85
270.0	12026.93	12294.37	12433.66	12444.80	12355.66	12166.22	11792.92	11258.05	10583.88
315.0	12355.66	12333.37	12155.08	12015.79	11072.76	10830.40	10130.63	9663.14	8490.89
360.0	12038.07	11027.09	10789.19	10661.62	9978.52	9385.72	8437.96	7625.08	6997.70
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6109.02	5454.36	4974.62	4459.24	4010.73	3624.66	3296.46	2997.27	2752.12
45.0	6655.88	5948.29	5313.12	4744.82	4254.51	3825.50	3468.91	3151.33	2867.18
90.0	5853.83	5197.49	4650.36	4161.16	3749.44	3387.29	3063.03	2790.02	2552.65
135.0	7547.34	6605.74	5875.86	5357.70	4778.25	4265.66	3819.93	3429.91	3095.62
180.0	9447.27	8238.23	7725.64	6862.03	6082.01	5379.98	4778.25	4237.80	3780.93
225.0	8947.24	8000.07	7436.75	6236.07	5779.19	5129.52	4556.75	4054.20	3606.79
270.0	9842.85	8990.40	8076.65	7218.62	6421.88	5703.14	5313.12	4505.24	4009.36
315.0	7972.21	7150.39	6365.32	5661.61	5033.70	4496.62	4033.59	3619.09	3269.18
360.0	6109.02	5454.36	4974.62	4459.24	4010.73	3624.66	3296.46	2997.27	2752.12
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2527.05	2330.36	2154.27	2004.94	1862.34	1733.62	1606.05	1474.01	1344.71
45.0	2817.03	2817.03	2308.60	2131.46	1982.13	1833.38	1700.19	1567.05	1439.42
90.0	2348.76	2166.52	2014.46	1872.91	1795.48	1671.80	1553.12	1430.54	1307.97
135.0	2805.89	2805.89	2349.86	2165.42	2003.84	1911.38	1726.36	1599.90	1527.47
180.0	3390.91	3051.04	2817.03	2817.03	2270.17	2157.64	1928.10	1840.58	1706.34
225.0	3213.99	2867.44	2576.04	2323.68	2106.92	1923.05	1769.31	1628.86	1502.97
270.0	3753.07	3346.34	2995.33	2750.18	2750.18	2176.56	1991.59	1830.02	1687.94
315.0	2966.63	2698.61	2467.97	2260.13	2076.85	1919.16	1772.62	1667.34	1514.12
360.0	2527.05	2330.36	2154.27	2004.94	1862.34	1733.62	1606.05	1474.01	1344.71
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1041.95	1041.95	1014.51	882.21	754.11	631.85	523.31	426.44	340.39
45.0	1309.65	1185.39	1057.77	929.62	805.94	685.63	573.61	472.22	383.08
90.0	1061.97	1061.97	934.82	808.20	684.73	573.88	473.17	384.34	304.60
135.0	1409.94	1287.89	1165.31	1039.95	912.91	788.70	668.91	559.11	460.50
180.0	1526.36	1450.57	1328.57	1205.42	1076.16	947.49	818.19	697.29	582.55
225.0	1385.97	1226.07	1063.23	1015.24	941.03	818.40	701.45	592.85	492.51
270.0	1553.64	1429.44	1306.28	1185.39	1065.60	995.95	873.38	710.12	640.47
315.0	1388.75	1246.10	1100.08	1047.20	921.68	797.16	676.32	564.99	464.65
360.0	1041.95	1041.95	1014.51	882.21	754.11	631.85	523.31	426.44	340.39
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	265.86	203.31	153.59	115.32	87.73	68.70	55.61	48.25	40.58
45.0	303.97	303.97	169.78	143.39	109.28	84.63	67.49	55.61	47.36
90.0	249.67	182.08	139.61	113.85	89.09	71.06	58.40	49.83	44.10
135.0	372.46	292.83	292.83	161.05	122.58	104.60	75.27	66.39	55.35
180.0	481.68	393.64	315.64	287.78	287.78	145.81	111.54	91.04	72.80
225.0	404.00	324.52	256.14	199.53	153.06	117.42	90.99	72.69	59.92
270.0	537.40	442.10	356.90	310.07	310.07	162.89	122.16	92.51	71.91
315.0	377.08	298.29	232.12	178.50	136.08	104.39	82.10	72.01	55.77
360.0	265.86	203.31	153.59	115.32	87.73	68.70	55.61	48.25	40.58

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	36.37	33.85	30.96	29.54	27.96	26.81	25.97	25.39	25.12
45.0	41.52	37.27	34.06	31.75	29.91	28.54	27.75	27.17	26.81
90.0	40.00	37.00	34.69	32.90	31.64	30.59	29.91	29.54	29.33
135.0	47.88	42.79	39.26	36.64	34.64	33.01	31.96	31.22	30.59
180.0	60.03	51.51	45.36	41.05	37.74	35.27	33.17	31.70	30.64
225.0	51.09	44.57	41.73	36.43	34.53	32.06	29.44	28.80	27.81
270.0	57.61	48.20	43.00	37.32	34.06	31.96	29.65	28.49	27.44
315.0	50.99	44.99	40.79	37.63	35.11	33.01	31.54	30.17	29.17
360.0	36.37	33.85	30.96	29.54	27.96	26.81	25.97	25.39	25.12
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.07	25.44	25.70	25.97	25.76	25.07	23.55	21.39	18.82
45.0	26.75	26.81	27.07	27.17	27.02	26.28	25.07	23.29	20.87
90.0	29.38	29.33	29.33	28.65	27.49	25.65	24.23	21.71	18.08
135.0	30.33	30.33	30.49	30.70	30.59	30.33	29.54	27.75	26.28
180.0	29.65	29.01	28.54	28.28	28.33	28.54	28.65	28.75	28.38
225.0	26.96	26.18	25.55	25.49	25.55	25.65	25.97	26.18	26.07
270.0	26.65	26.18	25.97	25.97	26.18	26.49	27.02	27.28	27.49
315.0	28.49	28.12	27.91	28.02	28.17	28.28	27.86	26.65	24.81
360.0	25.07	25.44	25.70	25.97	25.76	25.07	23.55	21.39	18.82
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.61	14.77	13.30	12.25	11.72	10.51	9.83	9.41	8.73
45.0	18.13	15.98	14.35	12.98	11.83	10.99	10.30	9.62	8.88
90.0	16.82	15.03	13.61	12.46	11.51	10.62	9.88	9.20	8.46
135.0	23.55	19.71	18.40	16.35	14.93	13.61	12.56	11.62	10.78
180.0	27.28	26.18	23.76	21.03	18.40	16.19	14.45	13.19	12.09
225.0	25.18	23.34	21.24	18.87	16.45	15.09	13.09	12.14	11.46
270.0	26.81	25.34	22.92	20.45	17.87	15.87	14.14	12.83	12.14
315.0	22.44	20.45	17.61	16.14	14.77	13.67	12.72	11.83	11.14
360.0	16.61	14.77	13.30	12.25	11.72	10.51	9.83	9.41	8.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.09	7.52	6.99	6.52	5.99	5.52	5.05	4.68	4.21
45.0	8.30	7.83	7.25	6.62	6.04	5.52	4.99	4.52	4.10
90.0	7.78	7.10	6.52	5.83	5.20	4.84	4.36	3.89	3.47
135.0	10.04	9.25	8.52	7.78	7.10	6.52	5.94	5.47	5.05
180.0	11.09	10.30	9.46	8.73	7.99	7.36	6.62	5.94	5.41
225.0	10.30	9.78	8.94	8.25	7.62	6.99	6.41	5.83	5.31
270.0	10.88	10.04	9.57	8.83	8.04	7.46	6.78	6.10	5.57
315.0	10.41	9.67	9.04	8.46	7.83	7.15	6.68	6.25	5.78
360.0	8.09	7.52	6.99	6.52	5.99	5.52	5.05	4.68	4.21
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.78	3.36	2.89	2.63	2.21	1.94	1.68	1.37	1.31
45.0	3.68	3.21	2.79	2.37	2.00	1.73	1.42	1.21	1.16
90.0	3.15	2.79	2.37	2.05	1.84	1.52	1.37	1.16	1.16
135.0	4.63	4.15	3.68	3.26	2.94	2.68	2.47	2.21	1.73
180.0	4.99	4.52	4.05	3.68	3.26	2.89	2.42	2.10	1.84
225.0	4.89	4.52	4.10	3.63	3.21	2.89	2.37	2.00	1.73
270.0	5.15	4.63	4.26	3.89	3.47	3.10	2.63	2.26	1.94
315.0	5.31	4.99	4.57	4.10	3.73	3.42	2.94	2.47	2.16
360.0	3.78	3.36	2.89	2.63	2.21	1.94	1.68	1.37	1.31

Intensity data(cd)

C/γ(°)	90.0
0.0	1.31
45.0	1.21
90.0	1.21
135.0	1.16
180.0	1.47
225.0	1.52
270.0	1.73
315.0	2.00
360.0	1.31