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NT

Client:

LumCAT: 3-2835-L

Luminaire: 92.70.411.00

Report No: 2024407-B010

Ballast type: AC

Test No: 2024407-C010

Voltage(V): 34.430

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3484.0

Power (W): 19.900

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2913.02, Efficiency(%): 83.61% , Luminous Efficacy(lm/W): 146.38

Central intensity(cd): 5110.390, Maximum intensity(cd): 5120.924

Angle of maximum intensity: C=0.0 γ =3.0

Beam Angle(50%Imax): [C0/180]Total=44.4

[C90/270]Total=44.4

Field angle(10%Imax): [C0/180]Total=67.4

[C90/270]Total=67.4

Maximum s/h(1/2): C0_180=0.73 C90_270=0.73

Maximum s/h(1/4): C0_180=0.70 C90_270=0.70

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.61%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.664%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
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	5110.390	0.000	0	0.00%	0.00%
1.0	5111.779	4.891	4.891	0.14%	0.17%
2.0	5117.266	14.682	19.573	0.42%	0.67%
3.0	5120.924	24.486	44.059	0.70%	1.51%
4.0	5120.924	34.283	78.342	0.98%	2.69%
5.0	5105.708	43.994	122.336	1.26%	4.20%
6.0	5073.667	53.495	175.832	1.54%	6.04%
7.0	5023.776	62.675	238.506	1.80%	8.19%
8.0	4952.818	71.401	309.907	2.05%	10.64%
9.0	4869.131	79.602	389.508	2.28%	13.37%
10.0	4779.811	87.319	476.828	2.51%	16.37%
11.0	4679.737	94.520	571.348	2.71%	19.61%
12.0	4548.281	100.875	672.224	2.90%	23.08%
13.0	4420.336	106.435	778.659	3.05%	26.73%
14.0	4269.348	111.227	889.886	3.19%	30.55%
15.0	4098.316	114.875	1004.761	3.30%	34.49%
16.0	3915.799	117.429	1122.19	3.37%	38.52%
17.0	3705.411	118.683	1240.873	3.41%	42.60%
18.0	3495.242	118.723	1359.596	3.41%	46.67%
19.0	3280.245	117.880	1477.475	3.38%	50.72%
20.0	3059.103	116.028	1593.503	3.33%	54.70%
21.0	2840.521	113.285	1706.788	3.25%	58.59%
22.0	2608.992	109.510	1816.298	3.14%	62.35%
23.0	2407.382	105.257	1921.555	3.02%	65.96%
24.0	2196.335	100.654	2022.209	2.89%	69.42%
25.0	1993.554	95.269	2117.478	2.73%	72.69%
26.0	1807.745	89.730	2207.208	2.58%	75.77%
27.0	1600.459	83.382	2290.59	2.39%	78.63%
28.0	1358.944	74.926	2365.516	2.15%	81.21%
29.0	1260.202	68.524	2434.04	1.97%	83.56%
30.0	1121.101	64.295	2498.335	1.85%	85.76%
31.0	943.953	57.467	2555.803	1.65%	87.74%
32.0	778.254	49.339	2605.142	1.42%	89.43%
33.0	623.835	41.306	2646.448	1.19%	90.85%
34.0	471.230	33.140	2679.588	0.95%	91.99%
35.0	338.267	25.140	2704.728	0.72%	92.85%
36.0	252.210	18.801	2723.529	0.54%	93.50%
37.0	185.048	14.261	2737.79	0.41%	93.98%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	125.655	10.371	2748.16	0.30%	94.34%
39.0	87.806	7.286	2755.446	0.21%	94.59%
40.0	80.139	5.857	2761.304	0.17%	94.79%
41.0	74.053	5.491	2766.795	0.16%	94.98%
42.0	69.854	5.228	2772.023	0.15%	95.16%
43.0	66.474	5.050	2777.073	0.14%	95.33%
44.0	63.658	4.912	2781.984	0.14%	95.50%
45.0	60.724	4.780	2786.765	0.14%	95.67%
46.0	58.179	4.650	2791.415	0.13%	95.83%
47.0	55.713	4.530	2795.944	0.13%	95.98%
48.0	53.285	4.406	2800.351	0.13%	96.13%
49.0	51.295	4.295	2804.645	0.12%	96.28%
50.0	49.539	4.204	2808.849	0.12%	96.42%
51.0	47.732	4.115	2812.965	0.12%	96.57%
52.0	45.933	4.019	2816.984	0.12%	96.70%
53.0	44.119	3.917	2820.901	0.11%	96.84%
54.0	42.048	3.798	2824.699	0.11%	96.97%
55.0	40.007	3.663	2828.362	0.11%	97.09%
56.0	38.208	3.534	2831.896	0.10%	97.22%
57.0	36.584	3.420	2835.316	0.10%	97.33%
58.0	35.055	3.313	2838.629	0.10%	97.45%
59.0	33.724	3.215	2841.844	0.09%	97.56%
60.0	32.392	3.124	2844.968	0.09%	97.66%
61.0	31.251	3.037	2848.005	0.09%	97.77%
62.0	30.234	2.963	2850.968	0.09%	97.87%
63.0	29.495	2.905	2853.873	0.08%	97.97%
64.0	28.493	2.845	2856.718	0.08%	98.07%
65.0	27.352	2.764	2859.482	0.08%	98.16%
66.0	25.977	2.661	2862.143	0.08%	98.25%
67.0	25.048	2.566	2864.708	0.07%	98.34%
68.0	24.623	2.516	2867.224	0.07%	98.43%
69.0	24.440	2.503	2869.727	0.07%	98.51%
70.0	24.316	2.504	2872.232	0.07%	98.60%
71.0	24.221	2.509	2874.74	0.07%	98.69%
72.0	24.067	2.511	2877.251	0.07%	98.77%
73.0	23.928	2.510	2879.761	0.07%	98.86%
74.0	23.694	2.504	2882.265	0.07%	98.94%
75.0	23.307	2.483	2884.748	0.07%	99.03%

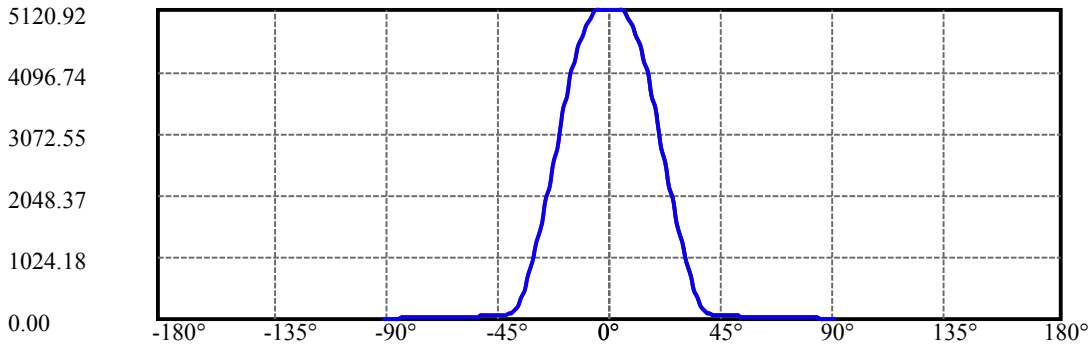
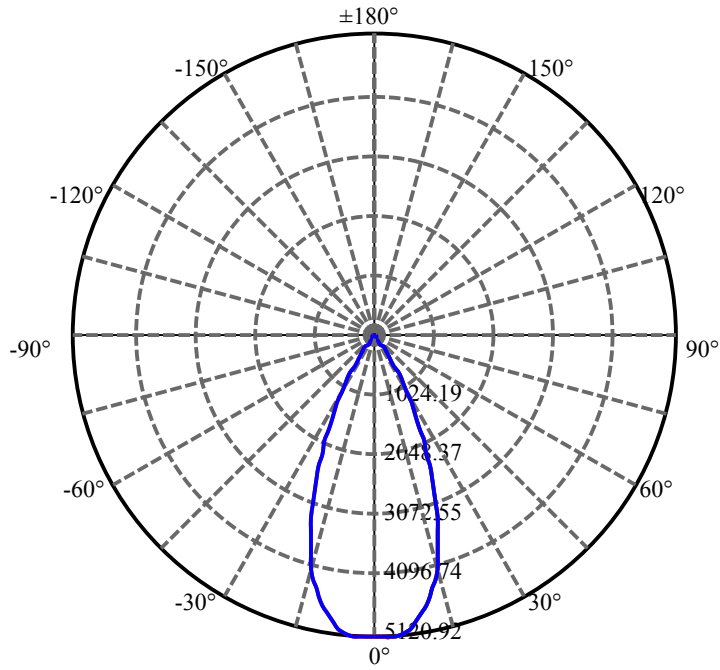
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.714	2.443	2887.191	0.07%	99.11%
77.0	22.114	2.390	2889.581	0.07%	99.20%
78.0	21.368	2.328	2891.909	0.07%	99.28%
79.0	20.695	2.260	2894.169	0.06%	99.35%
80.0	19.898	2.188	2896.357	0.06%	99.43%
81.0	19.093	2.109	2898.466	0.06%	99.50%
82.0	18.259	2.026	2900.491	0.06%	99.57%
83.0	17.081	1.921	2902.412	0.06%	99.64%
84.0	15.728	1.787	2904.2	0.05%	99.70%
85.0	14.440	1.647	2905.846	0.05%	99.75%
86.0	13.504	1.527	2907.374	0.04%	99.81%
87.0	13.102	1.456	2908.83	0.04%	99.86%
88.0	12.780	1.418	2910.247	0.04%	99.90%
89.0	12.604	1.391	2911.639	0.04%	99.95%
90.0	12.524	1.378	2913.017	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2498.34	71.71%	85.76%
0-40	2761.30	79.26%	94.79%
0-60	2844.97	81.66%	97.66%
0-90	2911.64	83.57%	99.95%
0-120	2911.64	83.57%	99.95%
0-180	2913.02	83.61%	100.00%
60-90	66.67	1.91%	2.29%
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%
0-27.53	2330.41	66.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	476.83
10-20	1116.68
20-30	904.83
30-40	262.97
40-50	47.55
50-60	36.12
60-70	27.26
70-80	24.13
80-90	15.28
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: —————

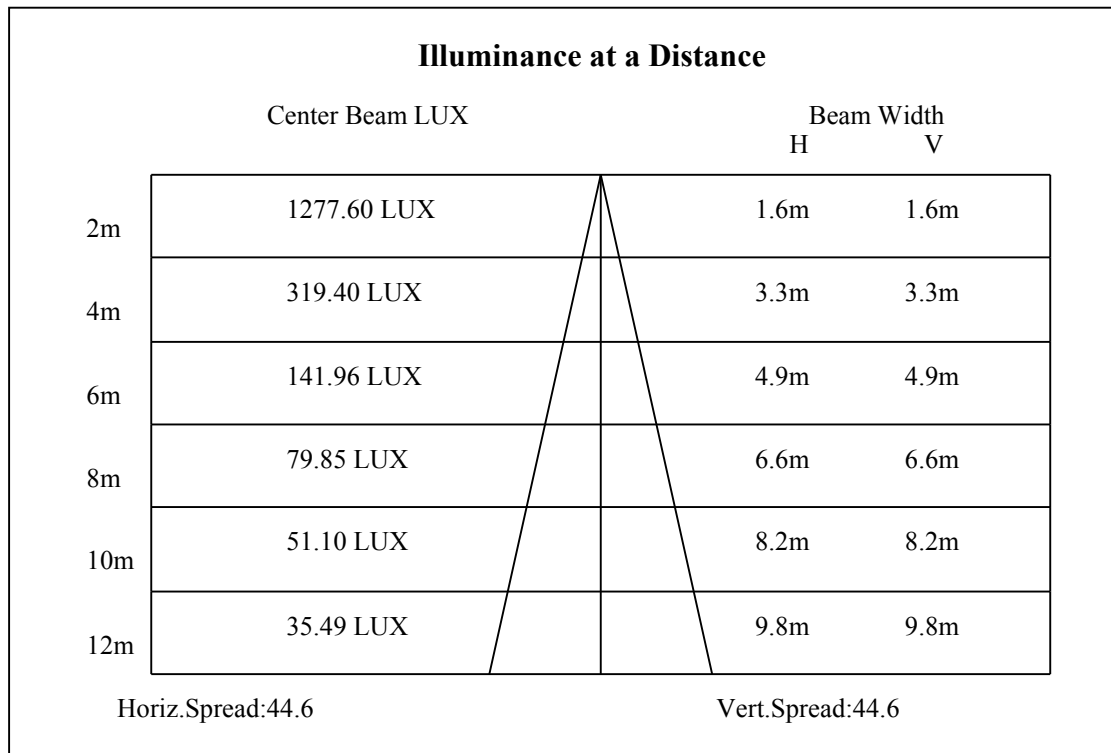
C90/C270: —————

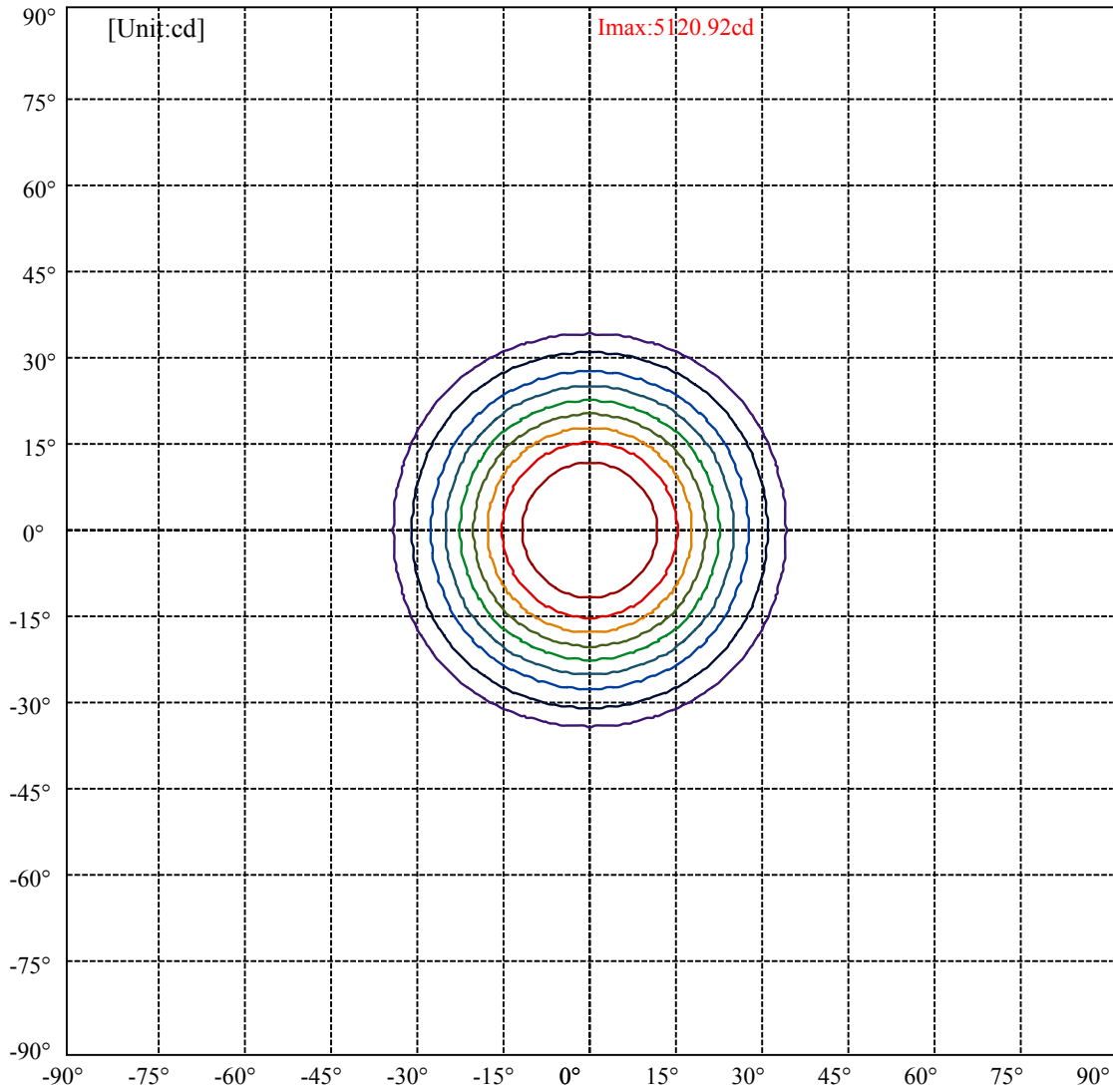
Field angle(10%Imax):C0/180Left:37.7 Right:29.7

:C90/270Left:37.7 Right:29.7

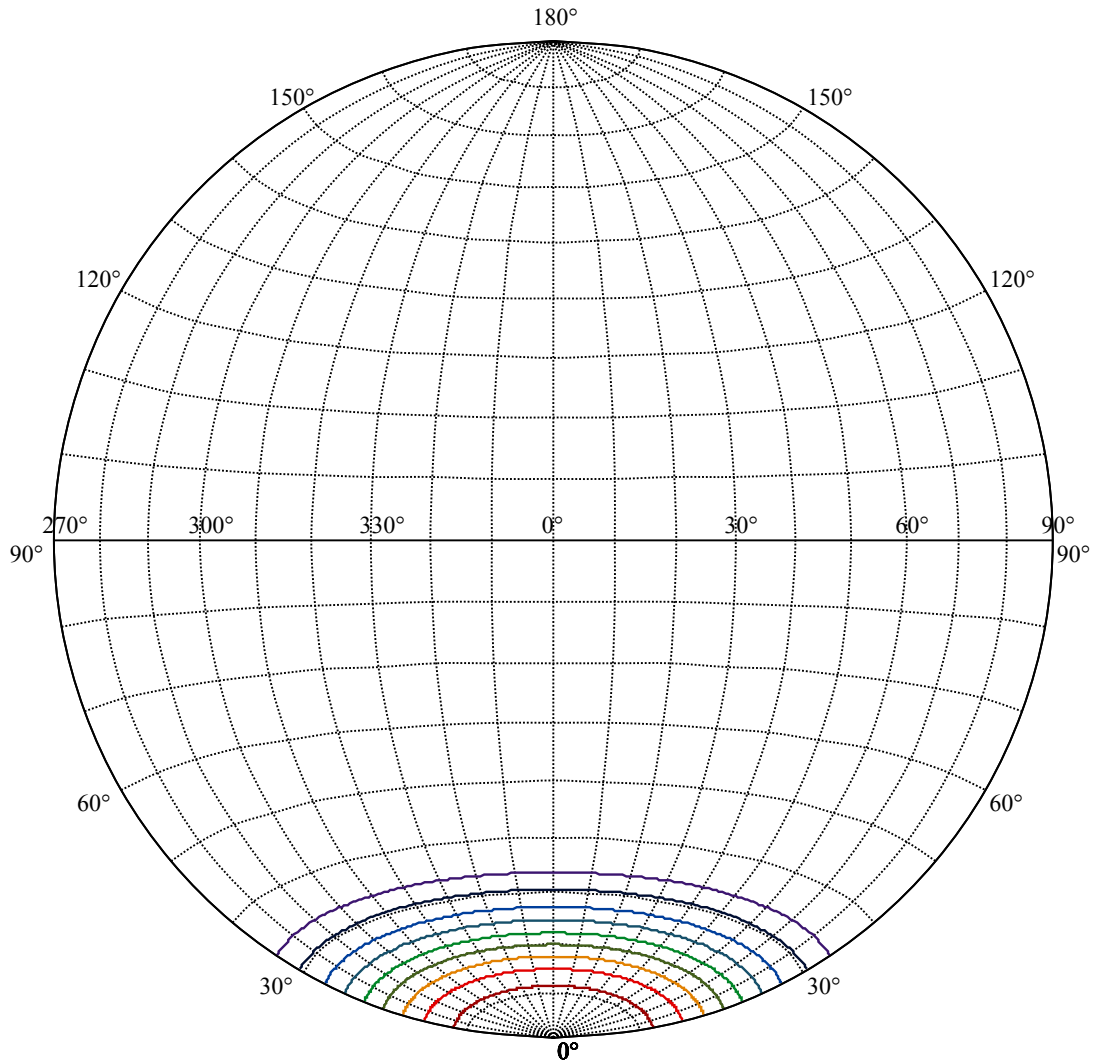
Beam Angle(50%Imax):C0/180Left:26.2 Right:18.2

:C90/270Left:26.2 Right:18.2





(10%Imax) 512.092	—
(20%Imax) 1024.18	—
(30%Imax) 1536.28	—
(40%Imax) 2048.37	—
(50%Imax) 2560.46	—
(60%Imax) 3072.55	—
(70%Imax) 3584.65	—
(80%Imax) 4096.74	—
(90%Imax) 4608.83	—



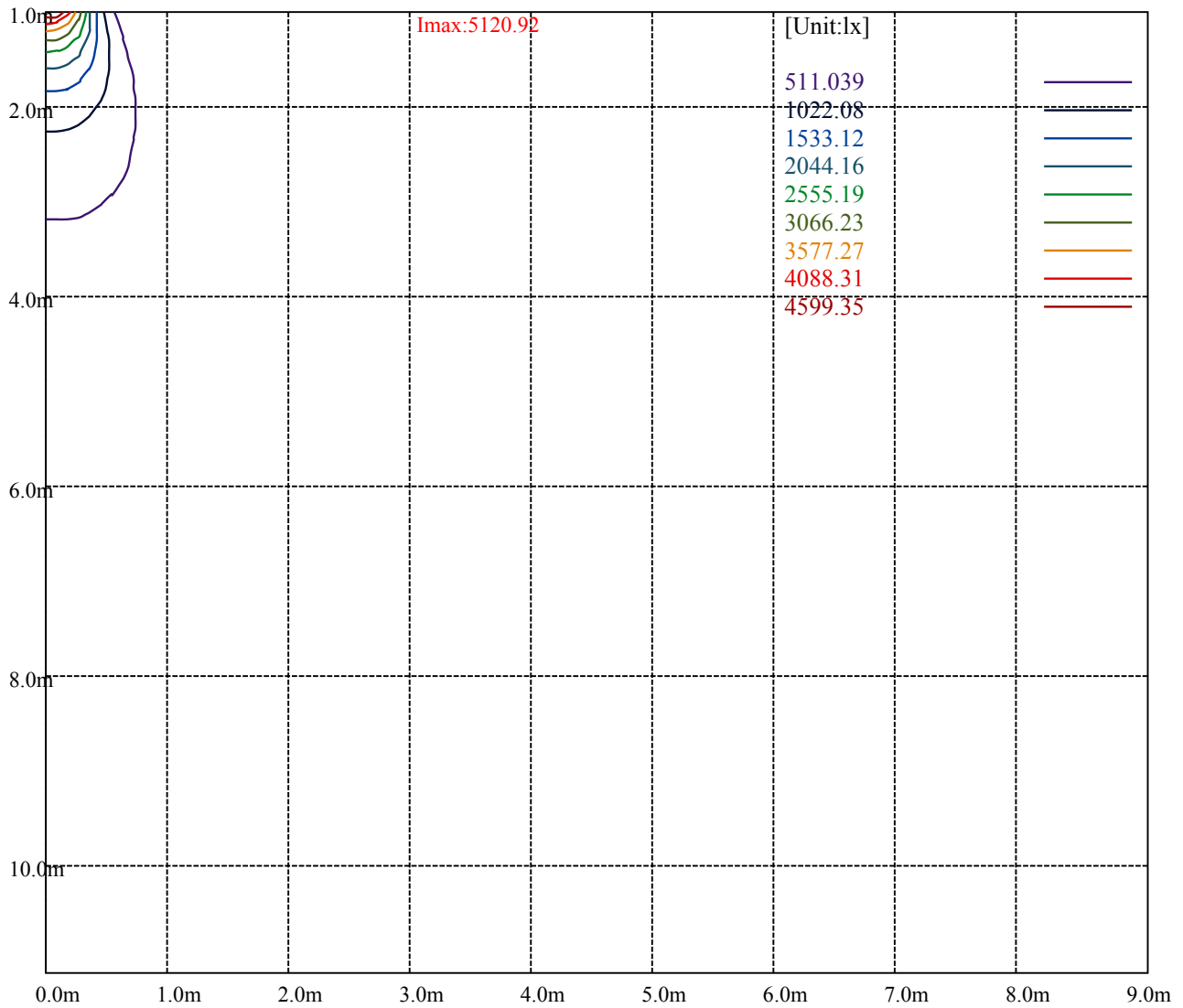
House

[Unit:cd]

Road

Imax:5120.92

(10%Imax)	512.092	—
(20%Imax)	1024.18	—
(30%Imax)	1536.28	—
(40%Imax)	2048.37	—
(50%Imax)	2560.46	—
(60%Imax)	3072.55	—
(70%Imax)	3584.65	—
(80%Imax)	4096.74	—
(90%Imax)	4608.83	—



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

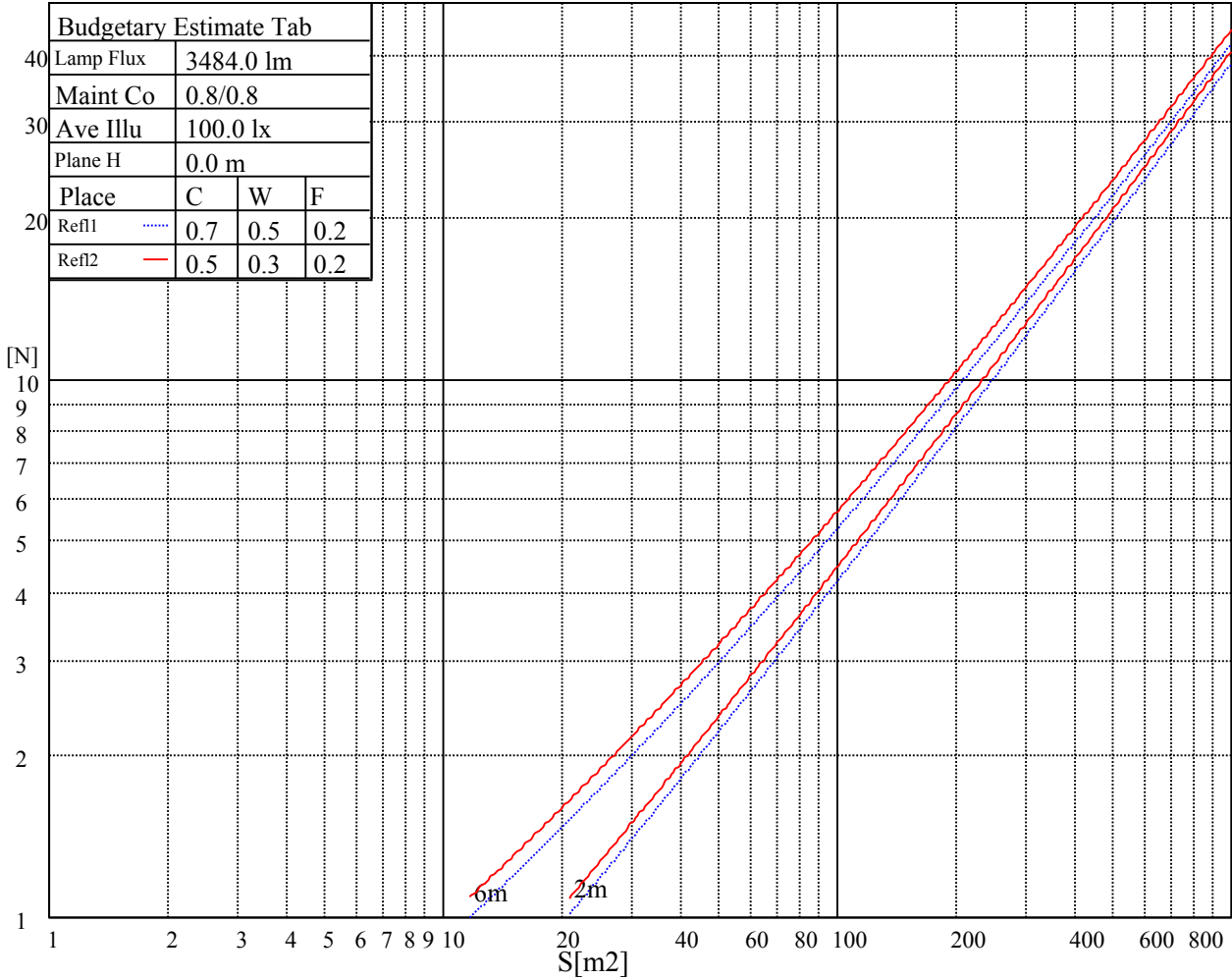
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

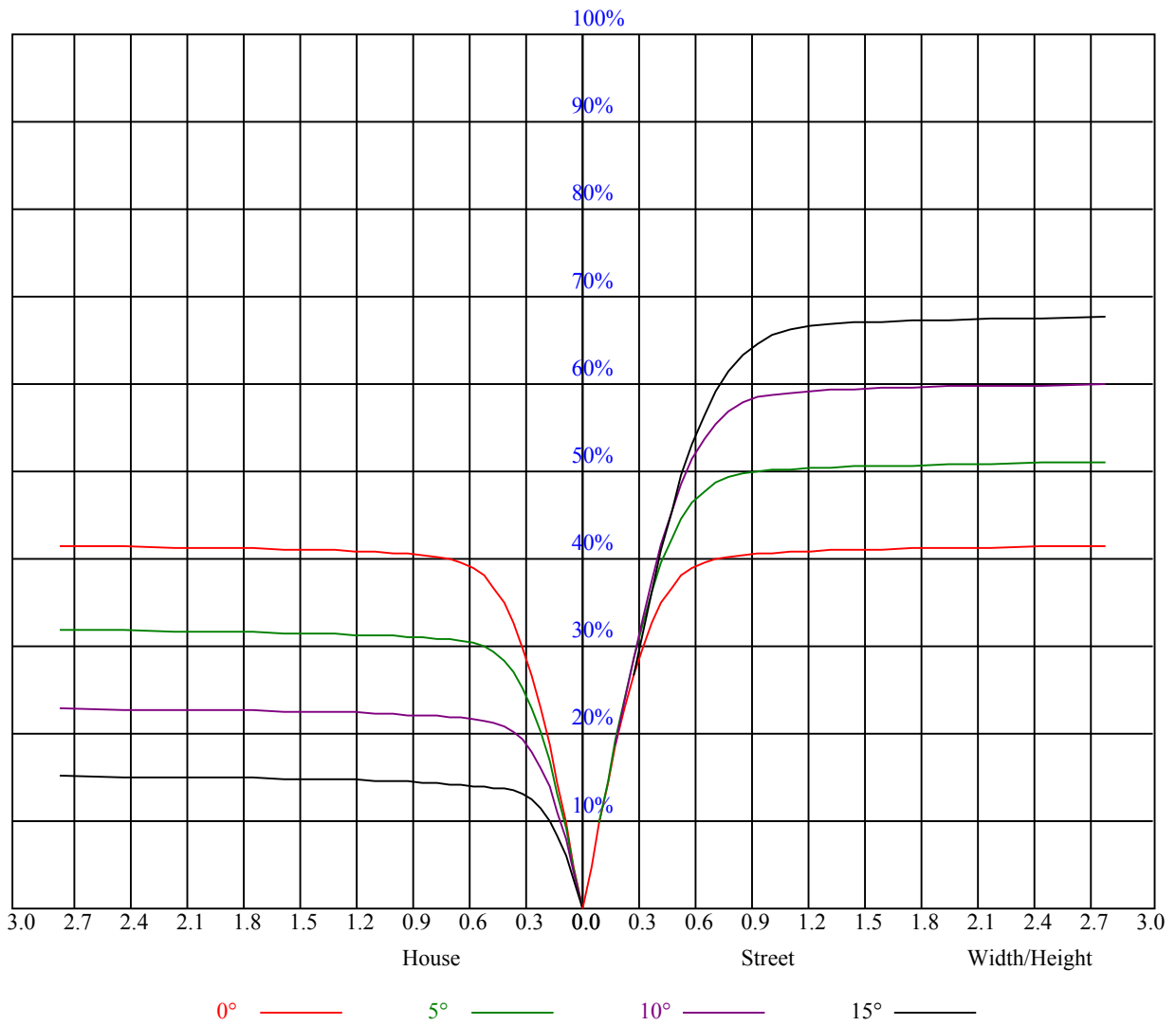


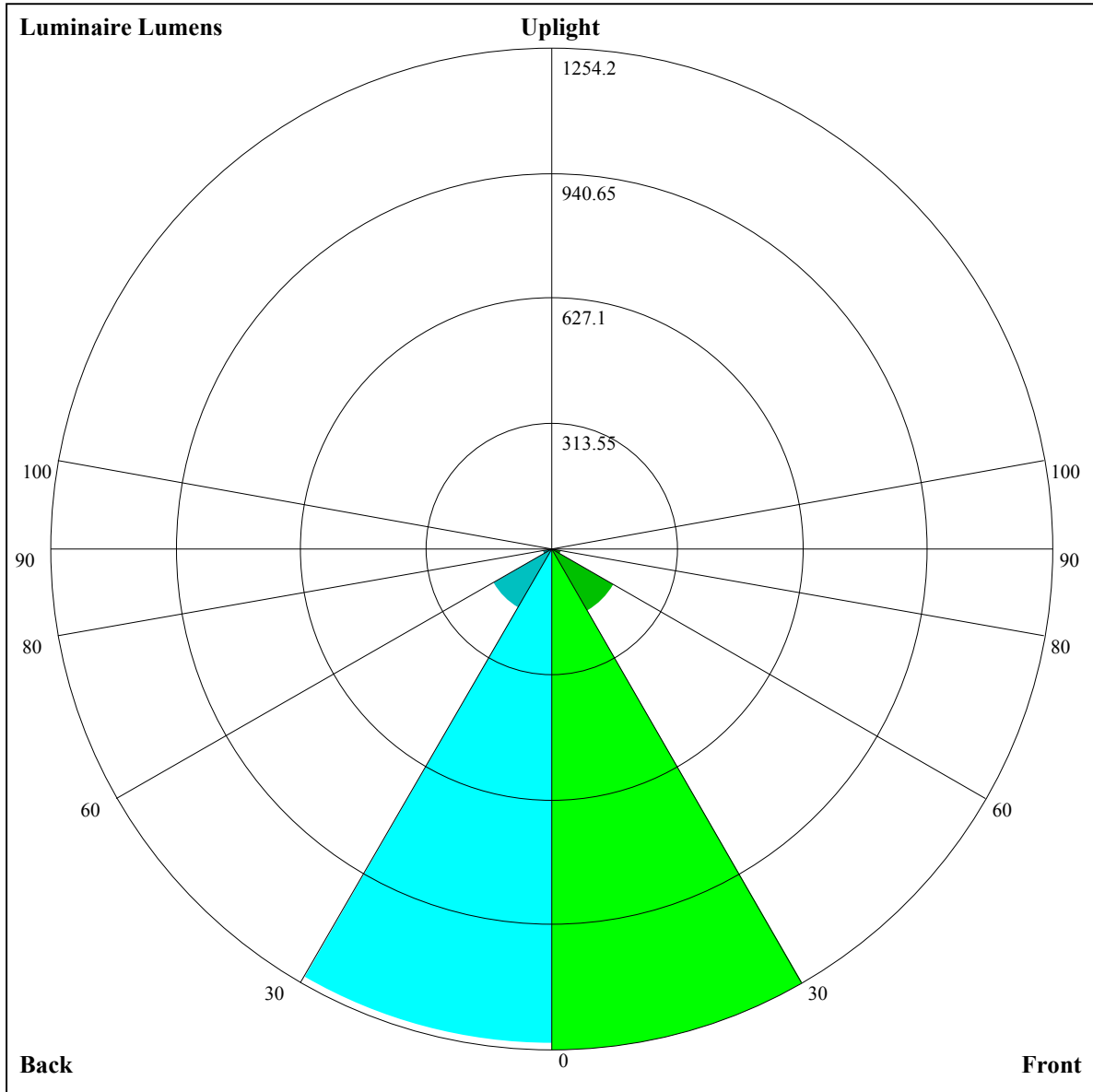
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.81	0.86	0.83	0.80	0.83	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
5	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	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
8	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	0.57	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.56	0.53	0.50	0.49





Luminaire Lumens:

FL=1254.2,FM=178.33,FH=25.91,FVH=8.42

BL=1239.34,BM=170.83,BH=25.57,BVH=8.31

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	5113.17	5120.19	5127.21	5134.82	5135.99	5123.12	5093.27	5036.50	4952.82
45.0	5104.98	5104.98	5110.83	5119.61	5130.14	5123.70	5112.58	5095.03	5042.36
90.0	5111.41	5107.90	5119.61	5124.29	5124.29	5111.41	5087.42	5014.27	4957.50
135.0	5111.41	5104.39	5102.05	5107.90	5119.02	5114.93	5100.29	5071.62	5004.90
180.0	5113.17	5104.39	5106.73	5112.58	5114.34	5108.49	5071.62	5024.80	4952.82
225.0	5106.15	5117.27	5117.85	5118.44	5103.22	5061.08	5006.66	4939.36	4857.43
270.0	5111.41	5113.75	5124.87	5133.65	5127.80	5120.19	5086.25	5019.53	4956.91
315.0	5111.41	5121.36	5128.97	5116.10	5112.58	5082.74	5031.24	4989.10	4897.81
360.0	5113.17	5120.19	5127.21	5134.82	5135.99	5123.12	5093.27	5036.50	4952.82
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4877.91	4790.71	4688.30	4548.43	4427.87	4286.25	4090.78	3926.33	3690.49
45.0	4986.18	4915.36	4835.77	4714.63	4608.71	4476.44	4300.88	4138.77	3934.53
90.0	4893.12	4799.49	4677.18	4561.30	4442.50	4264.59	4108.34	3932.77	3743.16
135.0	4931.16	4853.33	4767.30	4634.46	4526.19	4410.90	4269.27	4061.52	3877.76
180.0	4860.35	4778.42	4682.44	4574.18	4419.68	4269.86	4114.19	3950.91	3716.24
225.0	4737.45	4637.97	4524.43	4395.10	4250.55	4049.23	3875.42	3686.39	3435.91
270.0	4878.49	4770.81	4666.64	4519.17	4390.42	4247.62	4087.27	3873.66	3685.81
315.0	4788.37	4692.39	4595.83	4438.99	4296.78	4149.89	3940.38	3756.03	3559.40
360.0	4877.91	4790.71	4688.30	4548.43	4427.87	4286.25	4090.78	3926.33	3690.49
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3497.36	3290.78	3087.71	2830.79	2626.55	2417.62	2215.14	1986.90	1813.09
45.0	3753.11	3559.98	3322.97	3111.70	2902.19	2698.53	2488.44	2228.60	2040.74
90.0	3492.10	3291.95	3085.36	2827.28	2619.53	2410.60	2160.71	1977.53	1804.89
135.0	3680.54	3434.16	3232.26	3026.84	2766.42	2564.51	2355.59	2111.55	1930.72
180.0	3521.36	3307.16	3047.33	2842.50	2584.41	2380.75	2178.27	2000.94	1783.24
225.0	3230.50	2977.10	2773.44	2563.93	2307.60	2117.99	1940.66	1773.88	1584.26
270.0	3482.73	3279.07	3029.18	2826.11	2624.79	2425.82	2170.07	1983.97	1818.94
315.0	3304.24	3101.75	2894.58	2695.02	2440.45	2243.23	2061.81	1885.07	1686.09
360.0	3497.36	3290.78	3087.71	2830.79	2626.55	2417.62	2215.14	1986.90	1813.09
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1650.98	1164.89	1164.89	1127.49	931.39	773.49	627.24	450.68	324.16
45.0	1859.90	1694.28	1503.50	1345.49	1150.61	990.26	845.12	655.51	510.37
90.0	1609.43	1163.90	1163.90	1124.22	924.36	771.33	621.16	476.02	314.09
135.0	1758.66	1598.31	1400.50	1227.86	1073.36	913.59	723.98	583.53	447.76
180.0	1626.40	1473.07	1310.38	1106.13	942.27	777.82	634.44	458.29	333.05
225.0	1144.41	1144.41	1099.46	938.76	747.68	598.57	425.81	305.60	204.71
270.0	1618.79	1465.46	1271.75	1099.70	939.34	743.88	595.23	454.19	327.20
315.0	1535.10	1167.23	1167.23	999.15	842.61	657.09	517.69	386.01	244.80
360.0	1650.98	1164.89	1164.89	1127.49	931.39	773.49	627.24	450.68	324.16
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	223.73	135.89	101.19	89.66	81.64	74.79	70.52	67.24	64.43
45.0	376.94	316.67	316.67	104.17	91.94	82.40	76.84	72.28	69.00
90.0	211.09	136.47	95.80	86.50	78.42	73.50	69.58	66.66	63.44
135.0	321.93	321.93	121.79	92.58	83.86	76.55	71.75	68.35	65.78
180.0	304.96	186.34	99.66	86.44	79.36	73.86	68.88	65.95	63.15
225.0	120.32	94.75	85.44	77.48	72.39	68.71	65.78	62.38	59.81
270.0	299.11	180.19	94.34	84.80	78.01	71.69	67.89	64.49	61.86
315.0	159.59	108.15	90.36	80.82	75.49	70.93	67.59	64.43	61.80
360.0	223.73	135.89	101.19	89.66	81.64	74.79	70.52	67.24	64.43

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	60.92	58.41	55.89	53.08	51.15	49.22	47.58	46.00	44.24
45.0	65.37	62.50	59.81	56.71	54.43	52.26	50.04	48.34	46.64
90.0	60.98	58.52	56.18	53.43	51.62	50.04	48.40	46.35	44.59
135.0	62.44	59.87	57.64	55.19	52.67	50.91	49.22	47.29	45.59
180.0	60.40	57.94	55.07	52.96	51.15	49.57	47.52	45.76	43.54
225.0	57.35	55.07	52.44	50.62	48.98	46.94	45.24	43.07	41.20
270.0	59.52	56.71	54.48	52.49	50.27	48.87	47.34	45.82	44.13
315.0	58.82	56.42	54.19	51.79	50.10	48.52	46.53	44.83	43.01
360.0	60.92	58.41	55.89	53.08	51.15	49.22	47.58	46.00	44.24
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.96	40.03	38.27	36.75	34.94	33.53	32.30	30.84	29.96
45.0	44.48	42.72	40.79	38.92	36.87	35.41	34.18	33.01	31.49
90.0	42.37	40.44	38.57	36.69	35.29	34.00	32.54	31.37	30.55
135.0	43.77	41.43	39.50	37.86	36.17	34.88	33.59	32.30	30.96
180.0	41.67	39.27	37.63	36.17	34.76	33.53	32.01	30.90	29.96
225.0	39.33	37.63	35.76	34.47	33.18	31.95	30.67	29.85	29.26
270.0	41.79	39.85	37.98	36.11	34.82	33.59	32.13	31.08	30.02
315.0	41.02	38.68	37.16	35.70	34.41	32.89	31.72	30.67	29.67
360.0	41.96	40.03	38.27	36.75	34.94	33.53	32.30	30.84	29.96
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.32	28.44	27.39	25.98	24.87	24.70	24.58	24.46	24.46
45.0	30.37	29.44	28.73	27.86	26.10	25.05	24.81	24.64	24.52
90.0	29.90	28.91	27.86	26.45	25.46	25.11	24.93	24.81	24.76
135.0	30.20	29.55	28.73	27.21	25.81	24.99	24.76	24.58	24.46
180.0	29.32	28.44	27.21	25.28	24.52	24.23	23.99	23.88	23.82
225.0	28.50	26.98	25.46	24.64	24.29	23.99	23.82	23.58	23.41
270.0	29.32	28.50	27.27	25.40	24.64	24.40	24.17	24.11	23.99
315.0	29.03	27.68	26.16	24.99	24.70	24.52	24.46	24.46	24.35
360.0	29.32	28.44	27.39	25.98	24.87	24.70	24.58	24.46	24.46
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.35	24.29	24.05	23.58	23.00	22.47	21.65	20.95	19.96
45.0	24.46	24.35	24.17	23.94	23.58	23.00	22.24	21.71	21.07
90.0	24.64	24.52	24.29	23.94	23.47	22.77	22.06	21.36	20.54
135.0	24.29	24.23	24.05	23.76	23.35	22.77	22.06	21.36	20.72
180.0	23.58	23.47	23.17	22.77	22.12	21.54	20.89	20.31	19.31
225.0	23.17	22.88	22.53	22.00	21.30	20.66	20.01	19.25	18.32
270.0	23.82	23.64	23.47	23.17	22.36	21.77	20.89	20.19	19.55
315.0	24.23	24.05	23.82	23.29	22.53	21.95	21.13	20.42	19.72
360.0	24.35	24.29	24.05	23.58	23.00	22.47	21.65	20.95	19.96
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.20	18.38	17.03	15.39	14.22	13.58	13.23	12.87	12.58
45.0	20.19	19.37	18.14	17.15	15.45	14.22	13.58	13.17	12.87
90.0	19.55	18.61	17.26	15.39	14.16	13.46	13.23	12.87	12.58
135.0	20.01	19.20	18.14	16.68	14.75	13.64	13.28	12.99	12.70
180.0	18.55	17.73	17.09	15.27	14.16	13.40	12.93	12.70	12.52
225.0	17.62	16.91	15.45	14.28	13.40	13.05	12.70	12.47	12.52
270.0	18.90	18.14	17.50	17.15	15.63	13.46	12.99	12.64	12.52
315.0	18.73	17.73	16.04	14.51	13.75	13.23	12.87	12.52	12.52
360.0	19.20	18.38	17.03	15.39	14.22	13.58	13.23	12.87	12.58

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.52
45.0	12.58
90.0	12.52
135.0	12.52
180.0	12.52
225.0	12.52
270.0	12.52
315.0	12.47
360.0	12.52