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NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.429.00

Report No: 2024410-B015

Ballast type: AC

Test No: 2024410-C015

Voltage(V): 34.800

LampCAT: CREE CXA1830 LES14

Current(A): 0.530

Lamp flux(lm): 2713.0

Power (W): 18.444

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2249.59, Efficiency(%): 82.92% , Luminous Efficacy(lm/W): 121.97

Central intensity(cd): 5003.586, Maximum intensity(cd): 5003.586

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.2

[C90/270]Total=37.2

Field angle(10%Imax): [C0/180]Total=65.0

[C90/270]Total=65.0

Maximum s/h(1/2): C0_180=0.61 C90_270=0.61

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.92%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.002%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/10
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	5003.586	0.000	0	0.00%	0.00%
1.0	4995.027	4.784	4.784	0.18%	0.21%
2.0	4968.546	14.301	19.085	0.53%	0.85%
3.0	4925.605	23.664	42.748	0.87%	1.90%
4.0	4864.376	32.770	75.519	1.21%	3.36%
5.0	4790.710	41.536	117.054	1.53%	5.20%
6.0	4692.466	49.837	166.891	1.84%	7.42%
7.0	4584.053	57.579	224.47	2.12%	9.98%
8.0	4459.180	64.721	289.191	2.39%	12.86%
9.0	4317.117	71.127	360.318	2.62%	16.02%
10.0	4159.179	76.707	437.025	2.83%	19.43%
11.0	3997.292	81.500	518.525	3.00%	23.05%
12.0	3817.993	85.432	603.957	3.15%	26.85%
13.0	3636.500	88.466	692.423	3.26%	30.78%
14.0	3434.086	90.503	782.926	3.34%	34.80%
15.0	3244.326	91.684	874.611	3.38%	38.88%
16.0	3031.085	91.952	966.563	3.39%	42.97%
17.0	2824.281	91.184	1057.747	3.36%	47.02%
18.0	2617.770	89.728	1147.474	3.31%	51.01%
19.0	2418.355	87.618	1235.093	3.23%	54.90%
20.0	2200.943	84.546	1319.639	3.12%	58.66%
21.0	2000.943	80.685	1400.323	2.97%	62.25%
22.0	1812.281	76.628	1476.952	2.82%	65.65%
23.0	1616.457	71.944	1548.896	2.65%	68.85%
24.0	1456.837	67.193	1616.089	2.48%	71.84%
25.0	1260.648	61.790	1677.879	2.28%	74.59%
26.0	1184.810	57.725	1735.604	2.13%	77.15%
27.0	1082.074	55.460	1791.064	2.04%	79.62%
28.0	957.479	51.637	1842.701	1.90%	81.91%
29.0	839.593	47.016	1889.717	1.73%	84.00%
30.0	737.157	42.572	1932.289	1.57%	85.90%
31.0	631.560	38.089	1970.379	1.40%	87.59%
32.0	543.045	33.651	2004.03	1.24%	89.08%
33.0	457.536	29.477	2033.507	1.09%	90.39%
34.0	376.622	25.244	2058.751	0.93%	91.52%
35.0	305.619	21.188	2079.939	0.78%	92.46%
36.0	253.154	17.791	2097.731	0.66%	93.25%
37.0	200.359	14.791	2112.522	0.55%	93.91%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	143.987	11.494	2124.016	0.42%	94.42%
39.0	101.251	8.371	2132.386	0.31%	94.79%
40.0	84.397	6.475	2138.861	0.24%	95.08%
41.0	74.909	5.673	2144.534	0.21%	95.33%
42.0	67.718	5.182	2149.716	0.19%	95.56%
43.0	62.180	4.812	2154.528	0.18%	95.77%
44.0	57.081	4.501	2159.029	0.17%	95.97%
45.0	52.370	4.206	2163.235	0.16%	96.16%
46.0	48.274	3.936	2167.171	0.15%	96.34%
47.0	44.521	3.691	2170.862	0.14%	96.50%
48.0	41.273	3.468	2174.33	0.13%	96.65%
49.0	38.420	3.273	2177.603	0.12%	96.80%
50.0	35.640	3.088	2180.69	0.11%	96.94%
51.0	33.241	2.914	2183.605	0.11%	97.07%
52.0	31.163	2.764	2186.368	0.10%	97.19%
53.0	29.305	2.630	2188.999	0.10%	97.31%
54.0	27.608	2.508	2191.507	0.09%	97.42%
55.0	26.130	2.399	2193.906	0.09%	97.52%
56.0	24.828	2.303	2196.209	0.08%	97.63%
57.0	23.636	2.216	2198.425	0.08%	97.73%
58.0	22.604	2.138	2200.563	0.08%	97.82%
59.0	21.726	2.072	2202.635	0.08%	97.91%
60.0	20.885	2.013	2204.648	0.07%	98.00%
61.0	20.161	1.959	2206.607	0.07%	98.09%
62.0	19.539	1.913	2208.52	0.07%	98.17%
63.0	18.939	1.871	2210.392	0.07%	98.26%
64.0	18.398	1.832	2212.224	0.07%	98.34%
65.0	17.908	1.797	2214.021	0.07%	98.42%
66.0	17.410	1.762	2215.783	0.06%	98.50%
67.0	16.972	1.729	2217.512	0.06%	98.57%
68.0	16.525	1.697	2219.208	0.06%	98.65%
69.0	16.094	1.664	2220.872	0.06%	98.72%
70.0	15.706	1.633	2222.506	0.06%	98.80%
71.0	15.326	1.604	2224.11	0.06%	98.87%
72.0	14.982	1.576	2225.685	0.06%	98.94%
73.0	14.784	1.557	2227.242	0.06%	99.01%
74.0	14.609	1.545	2228.787	0.06%	99.08%
75.0	14.499	1.538	2230.325	0.06%	99.14%

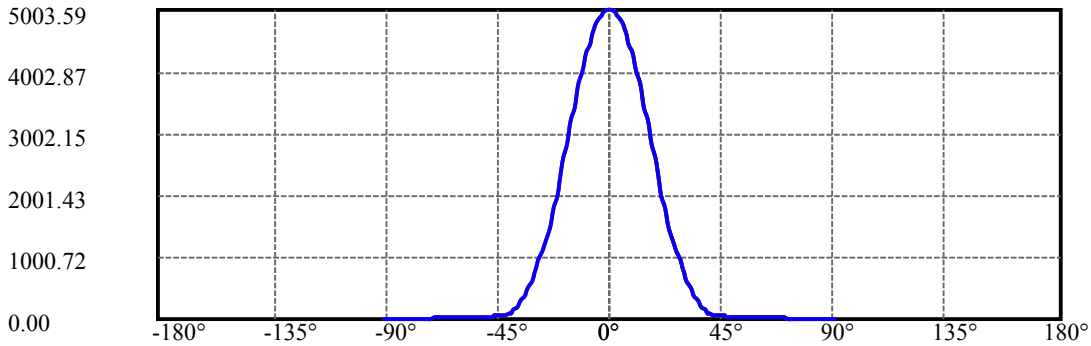
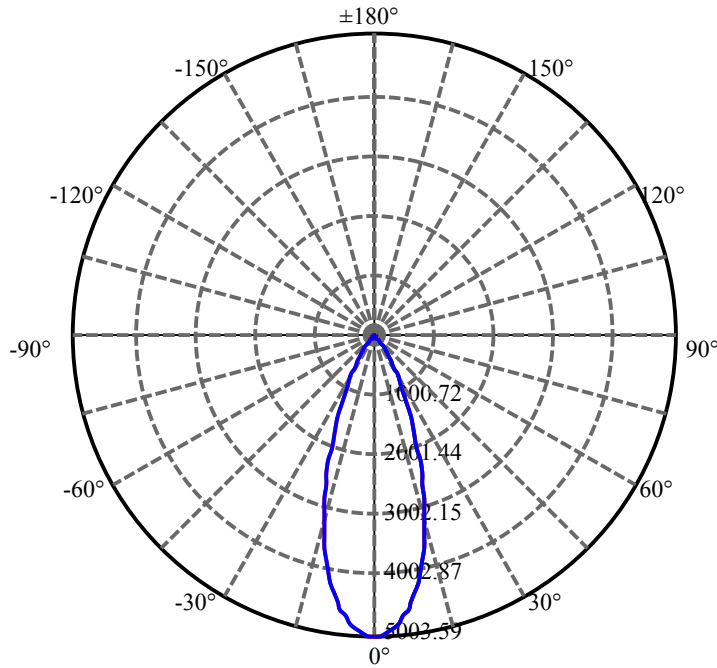
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.265	1.527	2231.852	0.06%	99.21%
77.0	14.184	1.517	2233.369	0.06%	99.28%
78.0	13.972	1.507	2234.876	0.06%	99.35%
79.0	13.606	1.482	2236.358	0.05%	99.41%
80.0	12.948	1.432	2237.789	0.05%	99.48%
81.0	12.297	1.365	2239.155	0.05%	99.54%
82.0	11.741	1.304	2240.458	0.05%	99.59%
83.0	11.266	1.251	2241.709	0.05%	99.65%
84.0	11.031	1.215	2242.924	0.04%	99.70%
85.0	10.673	1.185	2244.108	0.04%	99.76%
86.0	10.271	1.145	2245.253	0.04%	99.81%
87.0	10.037	1.111	2246.364	0.04%	99.86%
88.0	9.846	1.089	2247.454	0.04%	99.91%
89.0	9.729	1.073	2248.527	0.04%	99.95%
90.0	9.678	1.064	2249.591	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1932.29	71.22%	85.90%
0-40	2138.86	78.84%	95.08%
0-60	2204.65	81.26%	98.00%
0-90	2248.53	82.88%	99.95%
0-120	2248.53	82.88%	99.95%
0-180	2249.59	82.92%	100.00%
60-90	43.88	1.62%	1.95%
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%
0-27.17	1799.67	66.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	437.03
10-20	882.61
20-30	612.65
30-40	206.57
40-50	41.83
50-60	23.96
60-70	17.86
70-80	15.28
80-90	10.74
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



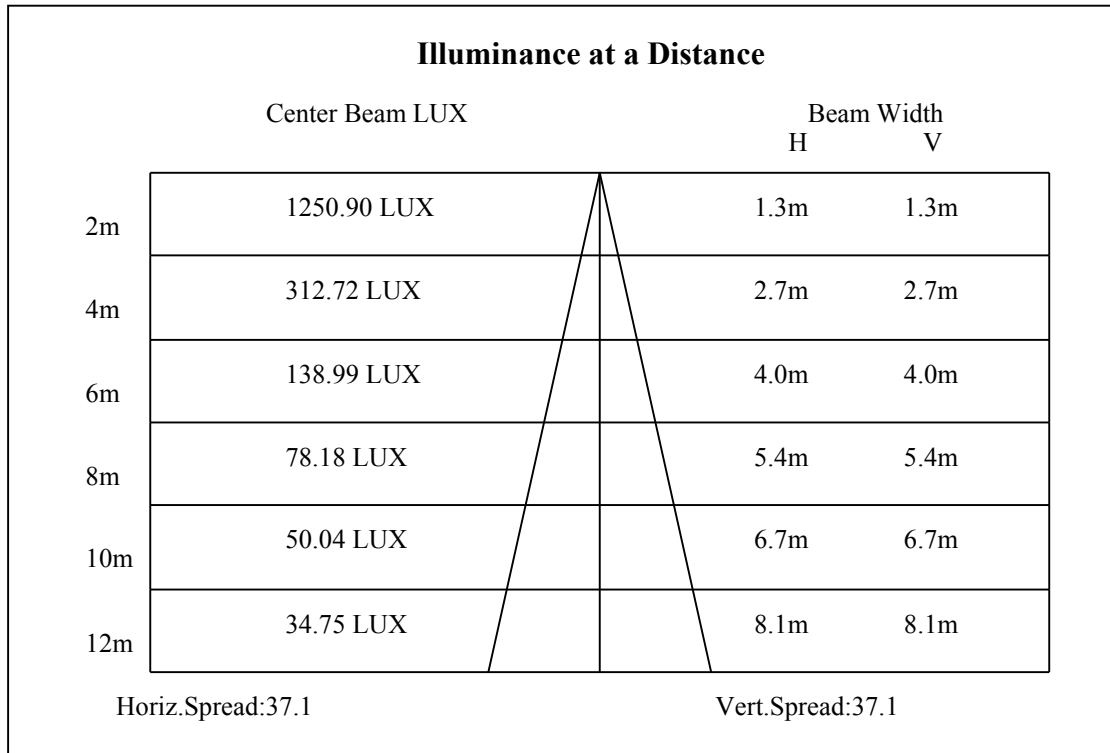
C0(Max): —————

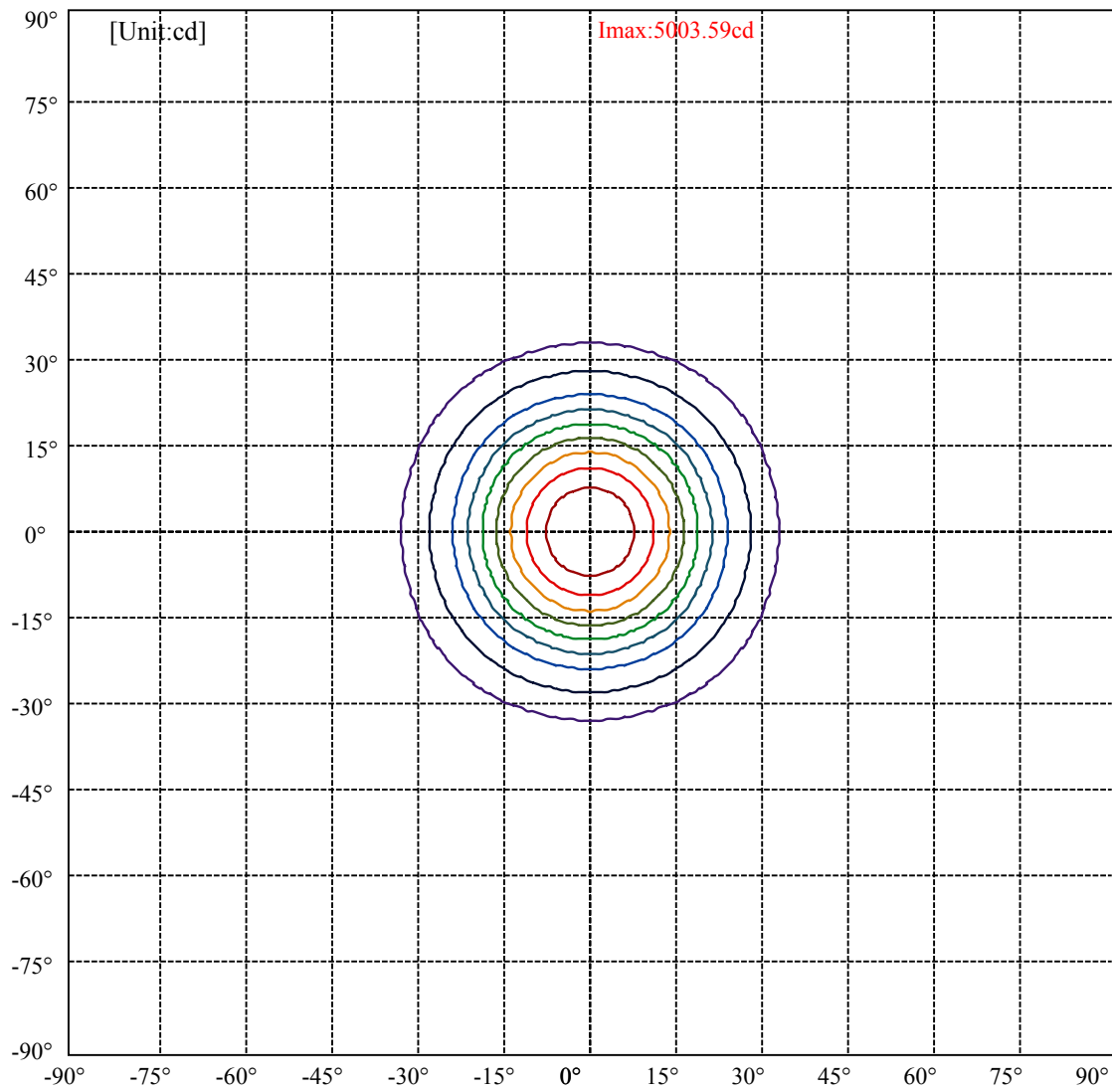
C0/C180: —————

C90/C270: —————

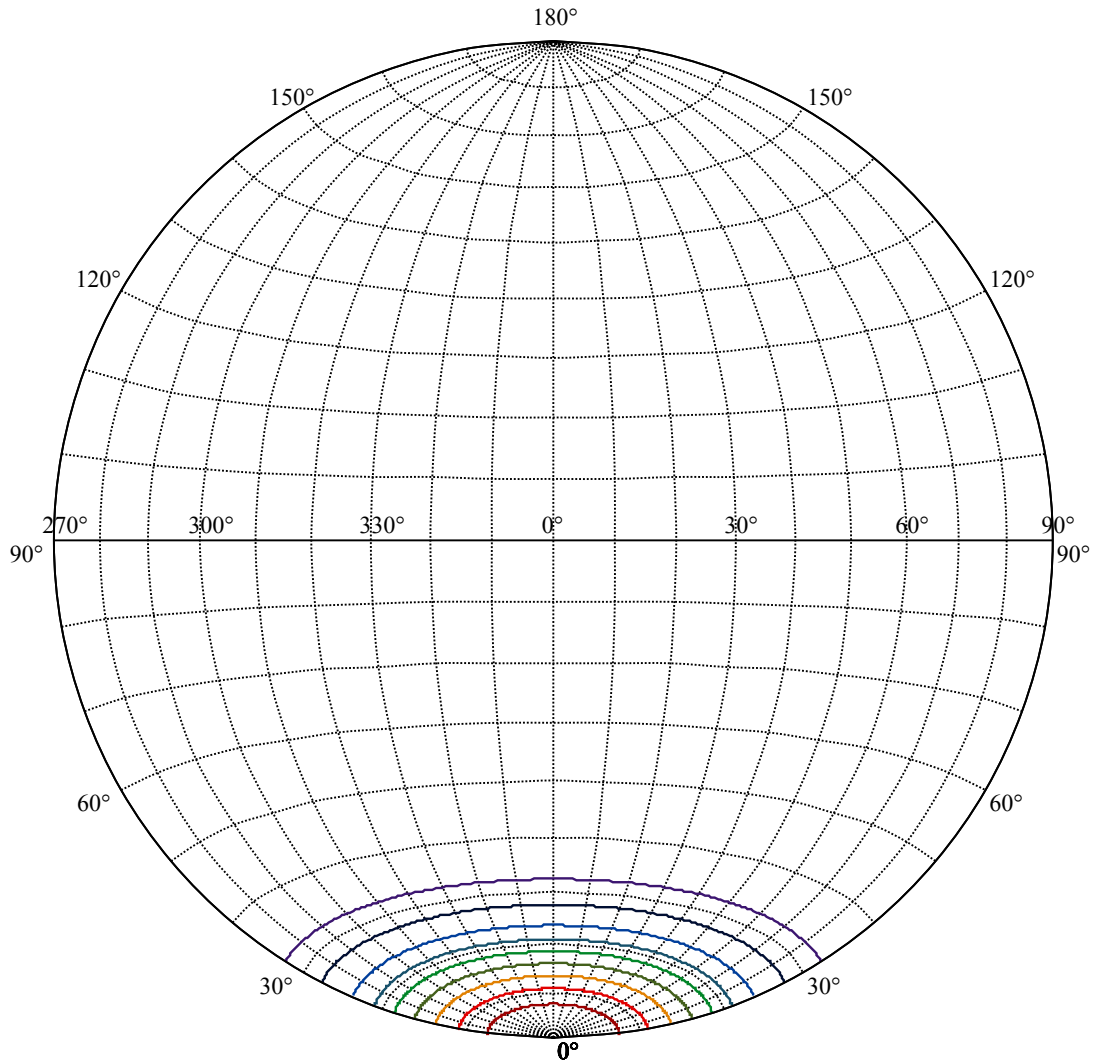
Field angle(10%Imax):C0/180Left:32.5 Right:32.5
:C90/270Left:32.5 Right:32.5

Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6





(10%Imax) 500.359	—
(20%Imax) 1000.72	—
(30%Imax) 1501.08	—
(40%Imax) 2001.43	—
(50%Imax) 2501.79	—
(60%Imax) 3002.15	—
(70%Imax) 3502.51	—
(80%Imax) 4002.87	—
(90%Imax) 4503.23	—



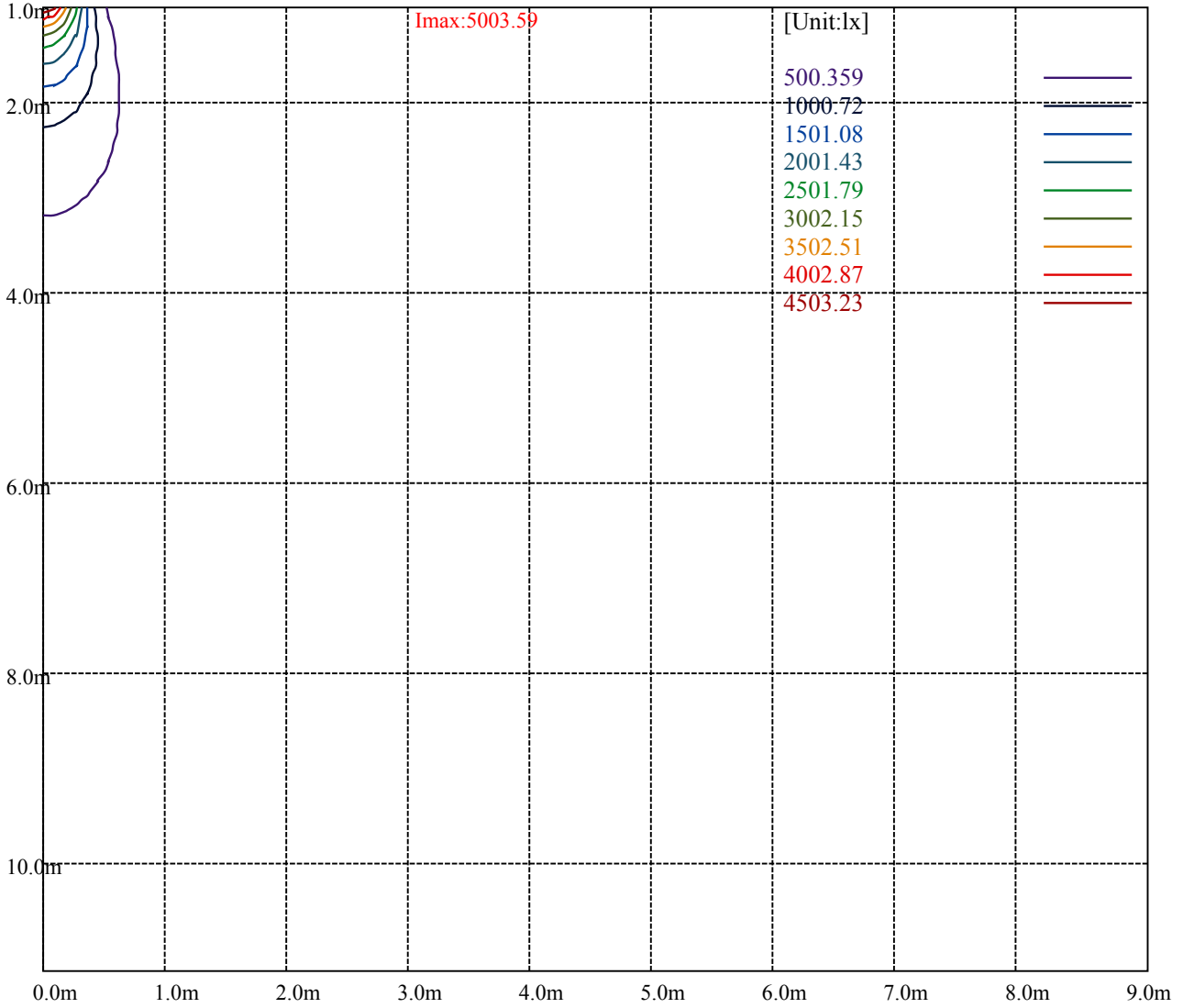
House

[Unit:cd]

Road

Imax:5003.59

(10%Imax) 500.359	—
(20%Imax) 1000.72	—
(30%Imax) 1501.08	—
(40%Imax) 2001.43	—
(50%Imax) 2501.79	—
(60%Imax) 3002.15	—
(70%Imax) 3502.51	—
(80%Imax) 4002.87	—
(90%Imax) 4503.23	—



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

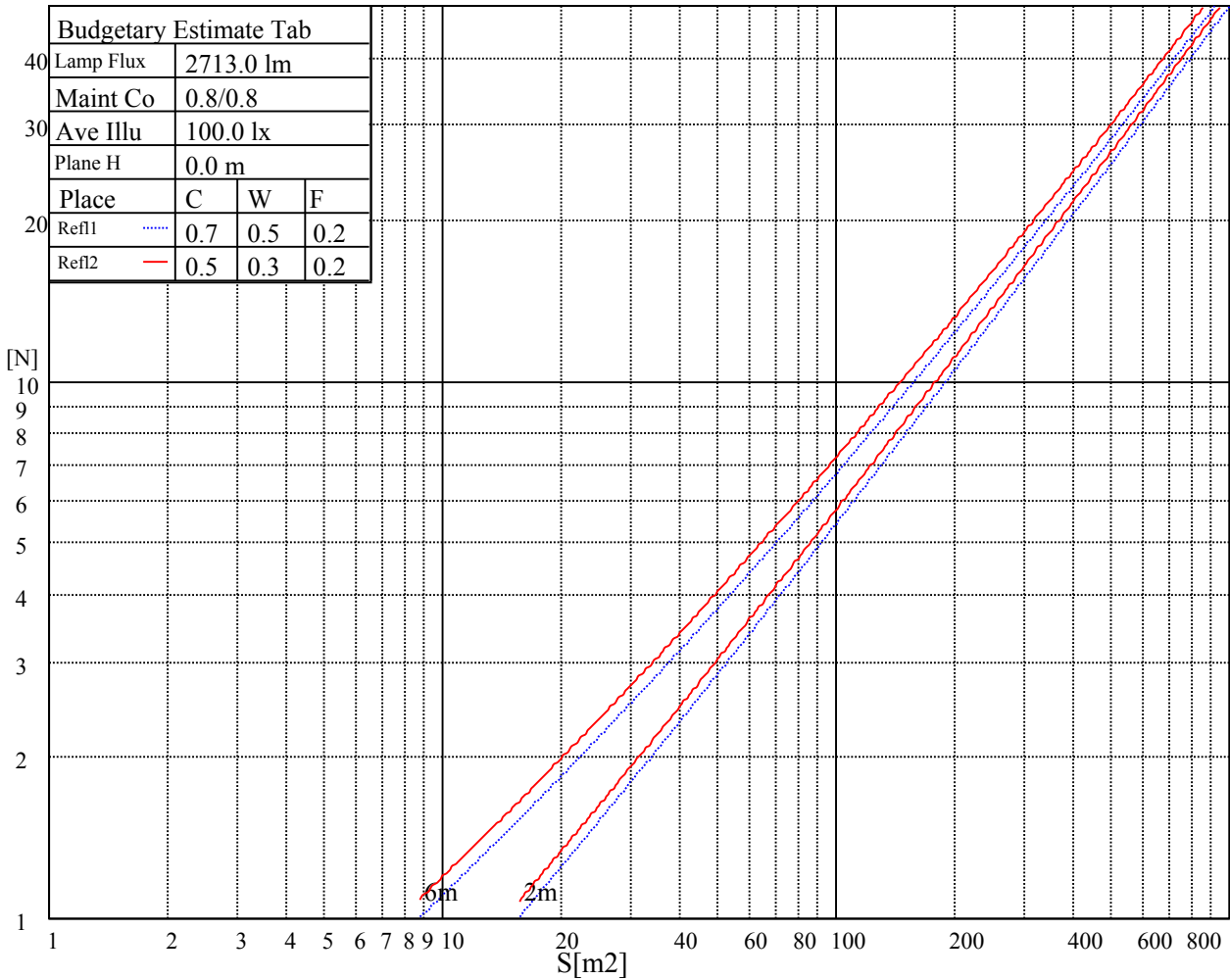
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

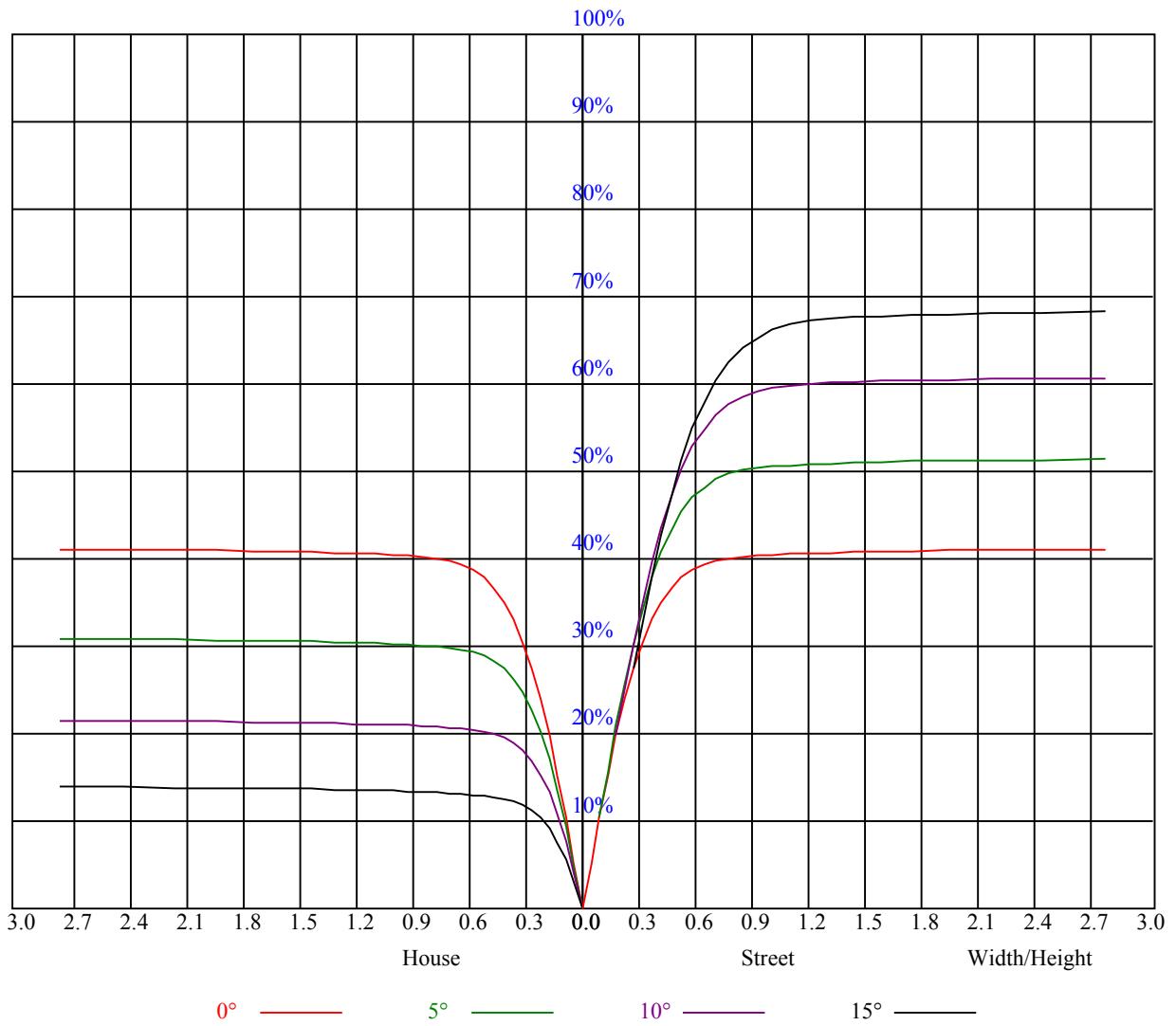


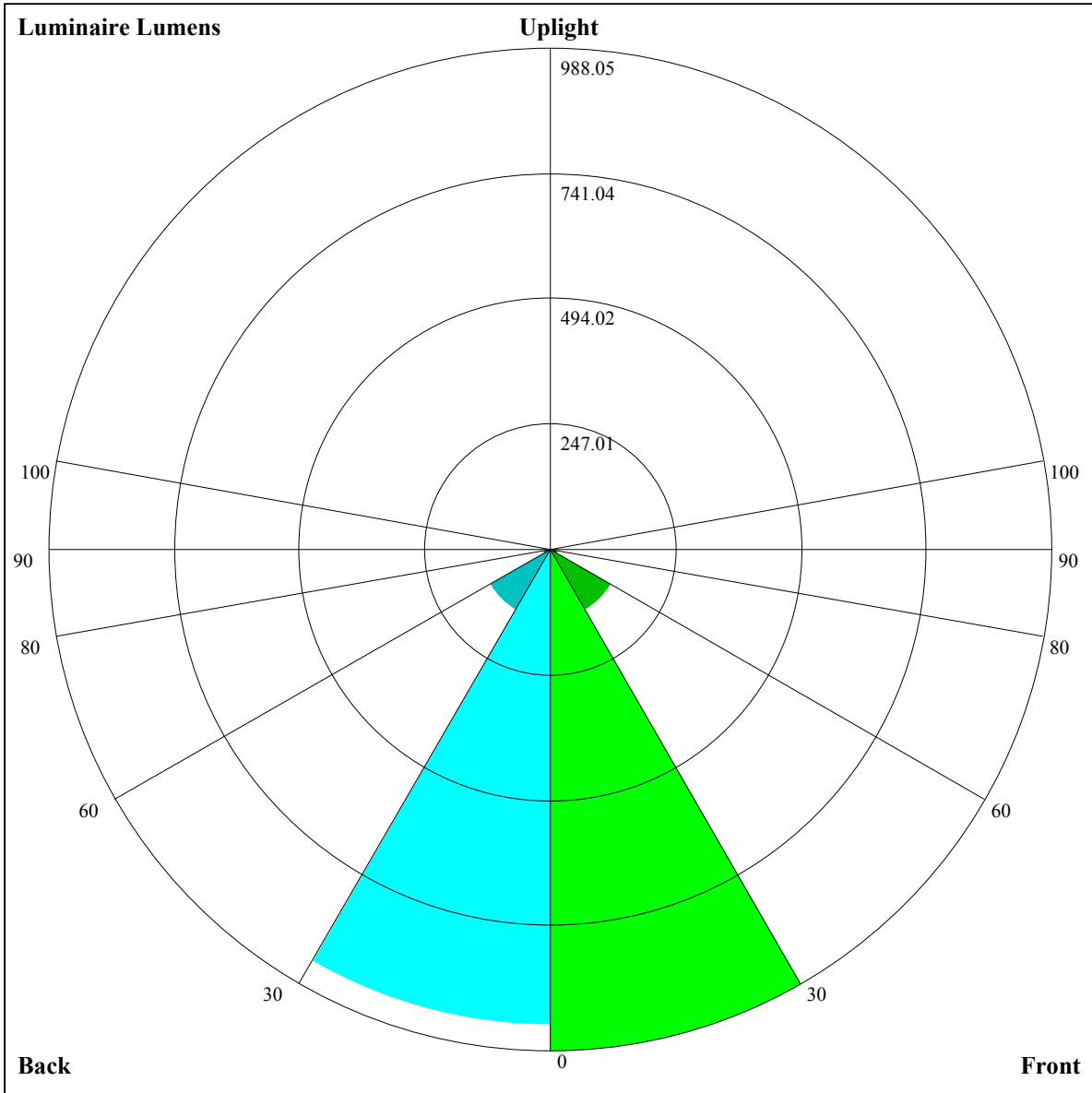
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	0.99	0.99	0.99	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.89	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.80	0.78	0.80	0.78	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	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
5	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=988.05,FM=138.22,FH=16.99,FVH=6.02

BL=938.28,BM=136.35,BH=16.42,BVH=5.81

UL=0,UH=0

BUG Rating:B2-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	5016.02	5025.39	5017.19	4993.78	4943.45	4882.01	4815.29	4726.34	4625.68
45.0	4978.57	5011.93	5020.70	5017.19	4983.25	4944.04	4889.03	4804.17	4716.39
90.0	5014.27	5001.98	4980.91	4939.94	4888.44	4806.51	4725.75	4597.59	4485.81
135.0	5005.49	5000.81	4975.64	4932.33	4869.72	4803.00	4702.93	4598.17	4450.11
180.0	5016.02	4992.61	4949.31	4873.81	4803.59	4717.56	4587.05	4471.18	4341.84
225.0	4978.57	4929.99	4858.01	4783.69	4695.90	4588.81	4436.65	4300.88	4151.64
270.0	5014.27	4997.29	4975.06	4935.85	4861.52	4786.03	4697.07	4594.07	4442.50
315.0	5005.49	5000.22	4971.54	4928.24	4869.13	4797.73	4685.96	4580.03	4459.47
360.0	5016.02	5025.39	5017.19	4993.78	4943.45	4882.01	4815.29	4726.34	4625.68
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4480.54	4342.43	4185.00	3972.57	3794.66	3563.49	3376.22	3183.68	2943.74
45.0	4616.31	4502.78	4328.97	4183.25	4024.65	3847.33	3622.60	3437.67	3192.46
90.0	4360.57	4179.74	4024.07	3856.69	3688.15	3471.03	3291.36	3096.48	2903.36
135.0	4328.38	4189.68	4041.62	3847.33	3682.88	3513.16	3334.09	3101.17	2912.14
180.0	4168.03	4015.87	3854.94	3692.24	3478.64	3300.73	3116.38	2878.20	2685.07
225.0	3998.90	3801.09	3633.72	3464.59	3285.51	3054.93	2865.32	2623.04	2423.48
270.0	4303.80	4118.87	3950.33	3781.20	3570.52	3383.83	3197.73	2965.39	2768.76
315.0	4280.39	4122.97	3959.69	3746.08	3567.00	3338.18	3150.91	2963.05	2765.25
360.0	4480.54	4342.43	4185.00	3972.57	3794.66	3563.49	3376.22	3183.68	2943.74
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2750.03	2556.32	2359.69	2115.06	1921.94	1738.18	1565.54	1160.97	1160.97
45.0	3002.26	2809.72	2564.51	2368.46	2174.75	1981.05	1753.98	1582.51	1438.54
90.0	2663.42	2466.78	2273.07	2035.47	1847.03	1673.80	1491.21	1154.82	1154.82
135.0	2720.18	2528.23	2287.12	2097.50	1915.50	1706.57	1556.17	1387.63	1271.75
180.0	2495.46	2305.26	2054.78	1875.70	1676.73	1531.59	1397.58	1245.42	1146.51
225.0	2222.16	1983.97	1805.48	1639.27	1494.14	1167.06	1167.06	1115.61	1014.08
270.0	2573.88	2376.66	2139.06	1942.42	1758.66	1591.29	1412.21	1288.72	1174.02
315.0	2514.77	2319.89	2123.84	1933.64	1709.50	1542.13	1310.96	1149.50	1117.78
360.0	2750.03	2556.32	2359.69	2115.06	1921.94	1738.18	1565.54	1160.97	1160.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1128.78	969.54	850.80	737.03	610.62	520.67	439.33	345.34	277.46
45.0	1305.70	1151.20	1025.96	905.99	793.62	664.87	574.75	472.34	396.26
90.0	1094.96	981.19	871.17	768.52	649.66	563.75	484.45	407.08	318.36
135.0	1165.24	1059.32	928.23	828.15	732.76	644.98	543.73	465.90	392.16
180.0	1047.03	945.20	824.64	728.08	633.27	556.61	479.36	388.06	313.74
225.0	886.03	786.25	695.48	610.21	512.77	437.10	349.85	284.36	222.91
270.0	1033.57	921.20	784.85	683.60	594.06	512.13	417.91	347.68	298.52
315.0	995.29	845.94	735.63	635.67	525.71	444.24	370.92	302.21	225.55
360.0	1128.78	969.54	850.80	737.03	610.62	520.67	439.33	345.34	277.46
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	216.18	164.74	116.05	94.05	84.16	76.37	68.76	63.44	57.47
45.0	326.61	309.64	232.10	136.12	106.39	87.73	79.65	72.74	67.07
90.0	253.64	196.87	137.06	103.18	83.80	76.31	69.58	62.97	58.23
135.0	304.38	304.38	224.78	119.39	93.17	80.94	71.69	65.78	60.69
180.0	298.52	227.95	132.55	100.37	79.12	71.40	63.09	57.88	53.61
225.0	155.03	113.65	89.89	78.07	68.82	62.97	58.05	53.61	48.69
270.0	298.52	155.61	117.16	93.87	82.75	72.98	67.07	61.86	56.06
315.0	172.35	130.04	102.30	84.97	76.96	70.58	63.85	59.17	54.84
360.0	216.18	164.74	116.05	94.05	84.16	76.37	68.76	63.44	57.47

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	53.08	48.98	44.59	41.55	38.74	35.52	33.36	31.37	29.61
45.0	60.63	56.06	51.73	46.99	43.66	40.61	37.28	34.88	32.71
90.0	53.84	49.86	45.47	42.43	39.68	37.10	34.18	32.19	30.37
135.0	55.13	51.09	47.46	44.07	40.38	37.63	35.11	33.01	30.61
180.0	49.51	44.77	41.61	38.80	36.11	33.24	31.08	29.26	27.21
225.0	45.18	42.02	38.57	36.11	33.83	31.37	29.61	27.62	26.34
270.0	51.79	47.17	43.77	40.85	38.16	35.17	33.01	31.08	29.32
315.0	49.80	46.23	42.96	39.39	36.81	34.47	32.30	29.90	28.27
360.0	53.08	48.98	44.59	41.55	38.74	35.52	33.36	31.37	29.61
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.03	26.34	25.05	23.94	22.71	21.83	20.83	20.13	19.55
45.0	30.43	28.79	27.33	25.69	24.58	23.53	22.53	21.48	20.66
90.0	28.38	26.92	25.69	24.23	23.17	22.30	21.36	20.60	19.96
135.0	28.91	26.98	25.63	24.40	23.00	22.06	21.24	20.48	19.72
180.0	25.81	24.52	23.17	22.18	21.36	20.42	19.78	19.14	18.61
225.0	25.05	23.94	22.77	21.95	21.19	20.54	19.78	19.25	18.79
270.0	27.45	26.04	24.87	23.58	22.65	21.89	21.01	20.42	19.78
315.0	26.80	25.52	24.11	23.12	22.18	21.24	20.54	19.78	19.25
360.0	28.03	26.34	25.05	23.94	22.71	21.83	20.83	20.13	19.55
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.90	18.38	17.97	17.44	17.15	16.62	16.21	15.86	15.39
45.0	20.07	19.49	18.79	18.32	17.73	17.32	16.91	16.44	16.09
90.0	19.37	18.73	18.20	17.73	17.38	16.80	16.39	16.04	15.51
135.0	19.14	18.67	18.14	17.62	17.15	16.68	16.21	15.86	15.39
180.0	18.02	17.50	17.09	16.68	16.09	15.74	15.33	14.92	14.63
225.0	18.20	17.67	17.21	16.68	16.27	15.92	15.45	15.10	14.75
270.0	19.14	18.61	18.14	17.56	17.15	16.74	16.27	15.86	15.57
315.0	18.67	18.14	17.73	17.26	16.85	16.39	15.98	15.57	15.27
360.0	18.90	18.38	17.97	17.44	17.15	16.62	16.21	15.86	15.39
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.98	14.63	14.22	13.99	13.64	13.34	13.05	12.82	12.47
45.0	15.68	15.27	14.86	14.63	15.33	16.80	18.08	17.79	16.62
90.0	15.22	14.75	14.34	14.05	13.69	13.28	12.93	12.64	12.23
135.0	14.86	14.57	14.16	13.81	13.46	13.17	12.76	12.47	12.23
180.0	14.22	13.93	13.64	13.34	12.93	12.64	12.35	12.17	11.88
225.0	14.40	13.99	13.69	13.40	13.23	13.52	13.28	13.05	11.59
270.0	15.68	16.62	17.85	18.96	18.26	17.26	16.15	14.98	13.99
315.0	14.81	14.51	14.10	13.81	13.58	13.46	13.17	12.93	12.58
360.0	14.98	14.63	14.22	13.99	13.64	13.34	13.05	12.82	12.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.23	11.94	11.47	11.18	11.12	10.48	10.18	10.01	9.83
45.0	14.75	12.93	11.59	11.29	11.00	10.77	10.42	10.12	9.95
90.0	11.94	11.53	11.12	10.89	10.65	10.24	10.12	9.89	9.77
135.0	12.00	11.65	11.35	11.12	10.89	10.30	10.07	9.89	9.71
180.0	11.59	11.41	11.24	11.24	10.18	9.95	9.77	9.66	9.60
225.0	11.24	11.00	10.83	10.59	10.01	9.83	9.71	9.66	9.66
270.0	12.41	11.53	11.18	10.94	10.65	10.36	10.01	9.77	9.66
315.0	12.23	11.94	11.35	11.00	10.89	10.24	10.01	9.77	9.66
360.0	12.23	11.94	11.47	11.18	11.12	10.48	10.18	10.01	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	9.71
45.0	9.83
90.0	9.71
135.0	9.66
180.0	9.60
225.0	9.66
270.0	9.60
315.0	9.66
360.0	9.71