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NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.428.00

Report No: 2024720-B012

Ballast type: AC

Test No: 2024720-C012

Voltage(V): 34.920

LampCAT: CREE CXA1516 LES8.9

Current(A): 0.330

Lamp flux(lm): 1726.0

Power (W): 11.523

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1628.71, Efficiency(%): 94.36% , Luminous Efficacy(lm/W): 141.34

Central intensity(cd): 3138.913, Maximum intensity(cd): 3138.913

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

Beam Angle(50%Imax): [C0/180]Total=42.0

[C90/270]Total=42.0

Field angle(10%Imax): [C0/180]Total=66.0

[C90/270]Total=66.0

Maximum s/h(1/2): C0\_180=0.69 C90\_270=0.69

Maximum s/h(1/4): C0\_180=0.66 C90\_270=0.66

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.36%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.984%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/7/20  
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	3138.913	0.000	0	0.00%	0.00%
1.0	3128.598	2.999	2.999	0.17%	0.18%
2.0	3104.385	8.946	11.945	0.52%	0.73%
3.0	3089.534	14.814	26.759	0.86%	1.64%
4.0	3068.613	20.613	47.372	1.19%	2.91%
5.0	3033.792	26.252	73.624	1.52%	4.52%
6.0	2988.291	31.648	105.272	1.83%	6.46%
7.0	2940.229	36.798	142.07	2.13%	8.72%
8.0	2889.973	41.726	183.796	2.42%	11.28%
9.0	2833.060	46.382	230.178	2.69%	14.13%
10.0	2778.122	50.779	280.957	2.94%	17.25%
11.0	2712.211	54.860	335.817	3.18%	20.62%
12.0	2628.743	58.384	394.201	3.38%	24.20%
13.0	2547.250	61.426	455.627	3.56%	27.97%
14.0	2449.006	63.952	519.579	3.71%	31.90%
15.0	2344.909	65.813	585.392	3.81%	35.94%
16.0	2234.009	67.094	652.486	3.89%	40.06%
17.0	2107.527	67.609	720.095	3.92%	44.21%
18.0	1985.727	67.489	787.584	3.91%	48.36%
19.0	1852.369	66.775	854.359	3.87%	52.46%
20.0	1714.695	65.287	919.646	3.78%	56.46%
21.0	1563.363	62.945	982.591	3.65%	60.33%
22.0	1410.678	59.765	1042.356	3.46%	64.00%
23.0	1285.008	56.563	1098.919	3.28%	67.47%
24.0	1193.640	54.192	1153.111	3.14%	70.80%
25.0	1078.950	51.674	1204.785	2.99%	73.97%
26.0	959.740	48.124	1252.908	2.79%	76.93%
27.0	849.571	44.265	1297.173	2.56%	79.64%
28.0	746.630	40.412	1337.586	2.34%	82.13%
29.0	638.941	36.250	1373.836	2.10%	84.35%
30.0	551.106	32.131	1405.967	1.86%	86.32%
31.0	459.555	28.125	1434.093	1.63%	88.05%
32.0	384.390	24.178	1458.271	1.40%	89.54%
33.0	311.632	20.505	1478.776	1.19%	90.79%
34.0	259.950	17.298	1496.073	1.00%	91.86%
35.0	232.217	15.285	1511.358	0.89%	92.79%
36.0	169.701	12.797	1524.155	0.74%	93.58%
37.0	118.808	9.410	1533.565	0.55%	94.16%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	93.548	7.088	1540.653	0.41%	94.59%
39.0	74.199	5.726	1546.379	0.33%	94.94%
40.0	60.893	4.712	1551.09	0.27%	95.23%
41.0	50.988	3.984	1555.074	0.23%	95.48%
42.0	44.367	3.464	1558.539	0.20%	95.69%
43.0	39.305	3.099	1561.638	0.18%	95.88%
44.0	35.655	2.829	1564.467	0.16%	96.06%
45.0	32.495	2.619	1567.087	0.15%	96.22%
46.0	30.315	2.456	1569.543	0.14%	96.37%
47.0	28.259	2.330	1571.873	0.13%	96.51%
48.0	26.591	2.217	1574.09	0.13%	96.65%
49.0	25.238	2.128	1576.218	0.12%	96.78%
50.0	23.928	2.050	1578.268	0.12%	96.90%
51.0	22.809	1.977	1580.246	0.11%	97.02%
52.0	21.880	1.918	1582.163	0.11%	97.14%
53.0	20.995	1.865	1584.028	0.11%	97.26%
54.0	20.271	1.819	1585.847	0.11%	97.37%
55.0	19.525	1.776	1587.623	0.10%	97.48%
56.0	18.822	1.733	1589.356	0.10%	97.58%
57.0	18.179	1.692	1591.048	0.10%	97.69%
58.0	17.564	1.653	1592.701	0.10%	97.79%
59.0	16.913	1.612	1594.313	0.09%	97.89%
60.0	16.299	1.569	1595.882	0.09%	97.98%
61.0	15.691	1.527	1597.408	0.09%	98.08%
62.0	15.113	1.484	1598.893	0.09%	98.17%
63.0	14.543	1.442	1600.335	0.08%	98.26%
64.0	13.965	1.399	1601.734	0.08%	98.34%
65.0	13.460	1.357	1603.091	0.08%	98.43%
66.0	12.933	1.317	1604.408	0.08%	98.51%
67.0	12.392	1.273	1605.681	0.07%	98.59%
68.0	11.961	1.234	1606.915	0.07%	98.66%
69.0	11.587	1.201	1608.116	0.07%	98.74%
70.0	11.288	1.175	1609.291	0.07%	98.81%
71.0	11.039	1.154	1610.445	0.07%	98.88%
72.0	10.775	1.134	1611.579	0.07%	98.95%
73.0	10.549	1.115	1612.695	0.06%	99.02%
74.0	10.322	1.097	1613.792	0.06%	99.08%
75.0	10.088	1.078	1614.87	0.06%	99.15%

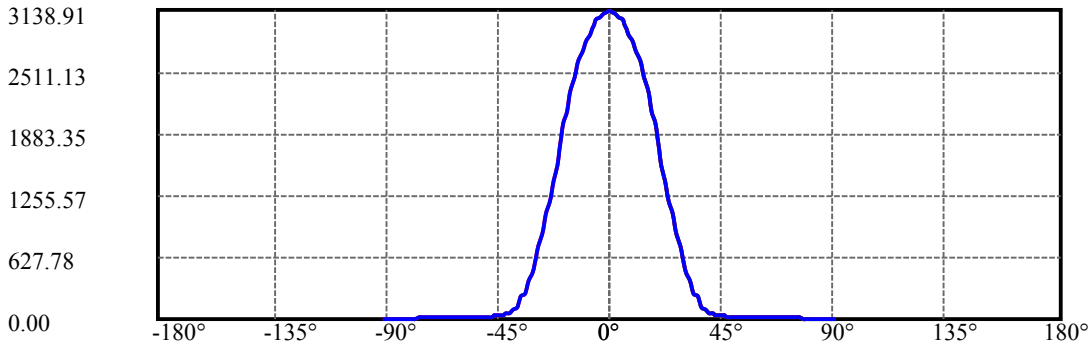
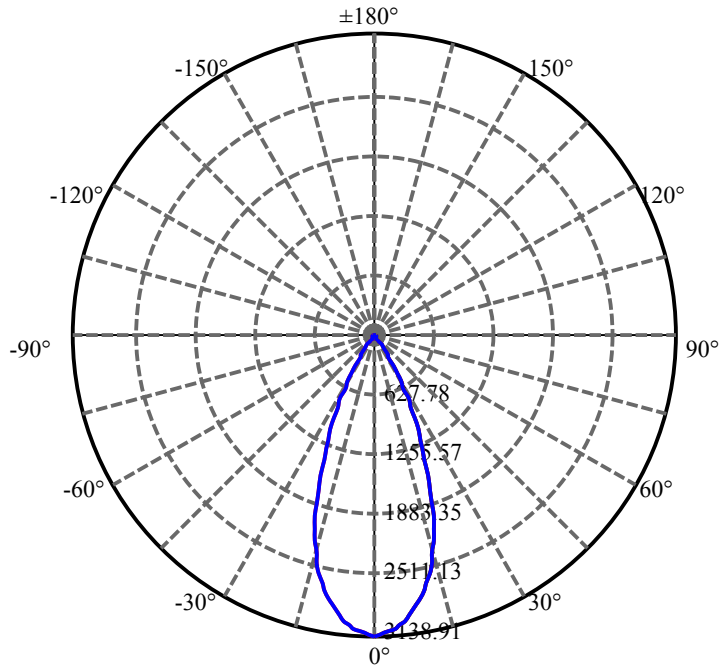
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.868	1.059	1615.929	0.06%	99.22%
77.0	9.656	1.041	1616.97	0.06%	99.28%
78.0	9.444	1.022	1617.993	0.06%	99.34%
79.0	9.225	1.003	1618.996	0.06%	99.40%
80.0	8.976	0.981	1619.977	0.06%	99.46%
81.0	8.778	0.960	1620.937	0.06%	99.52%
82.0	8.574	0.941	1621.878	0.05%	99.58%
83.0	8.369	0.921	1622.799	0.05%	99.64%
84.0	8.171	0.901	1623.7	0.05%	99.69%
85.0	7.988	0.882	1624.582	0.05%	99.75%
86.0	7.791	0.863	1625.445	0.05%	99.80%
87.0	7.623	0.844	1626.288	0.05%	99.85%
88.0	7.447	0.825	1627.114	0.05%	99.90%
89.0	7.279	0.807	1627.921	0.05%	99.95%
90.0	7.176	0.793	1628.714	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1405.97	81.46%	86.32%
0-40	1551.09	89.87%	95.23%
0-60	1595.88	92.46%	97.98%
0-90	1627.92	94.32%	99.95%
0-120	1627.92	94.32%	99.95%
0-180	1628.71	94.36%	100.00%
60-90	32.04	1.86%	1.97%
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%
0-27.14	1302.97	75.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	280.96
10-20	638.69
20-30	486.32
30-40	145.12
40-50	27.18
50-60	17.61
60-70	13.41
70-80	10.69
80-90	7.94
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: —————

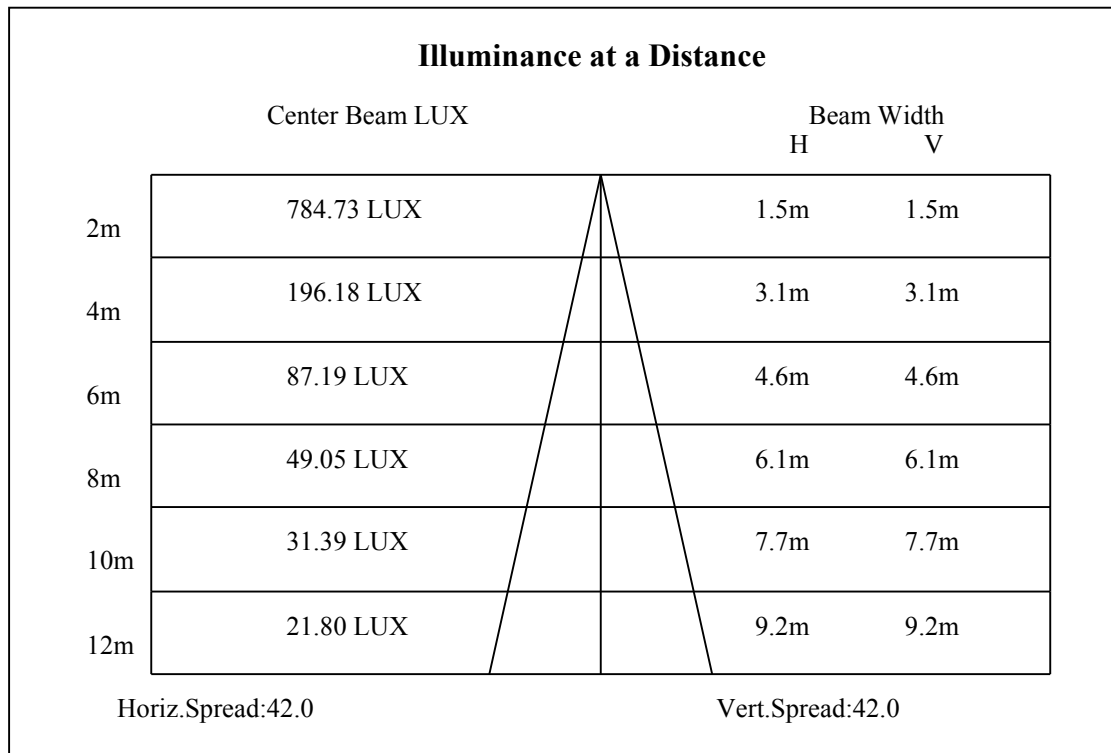
C90/C270: —————

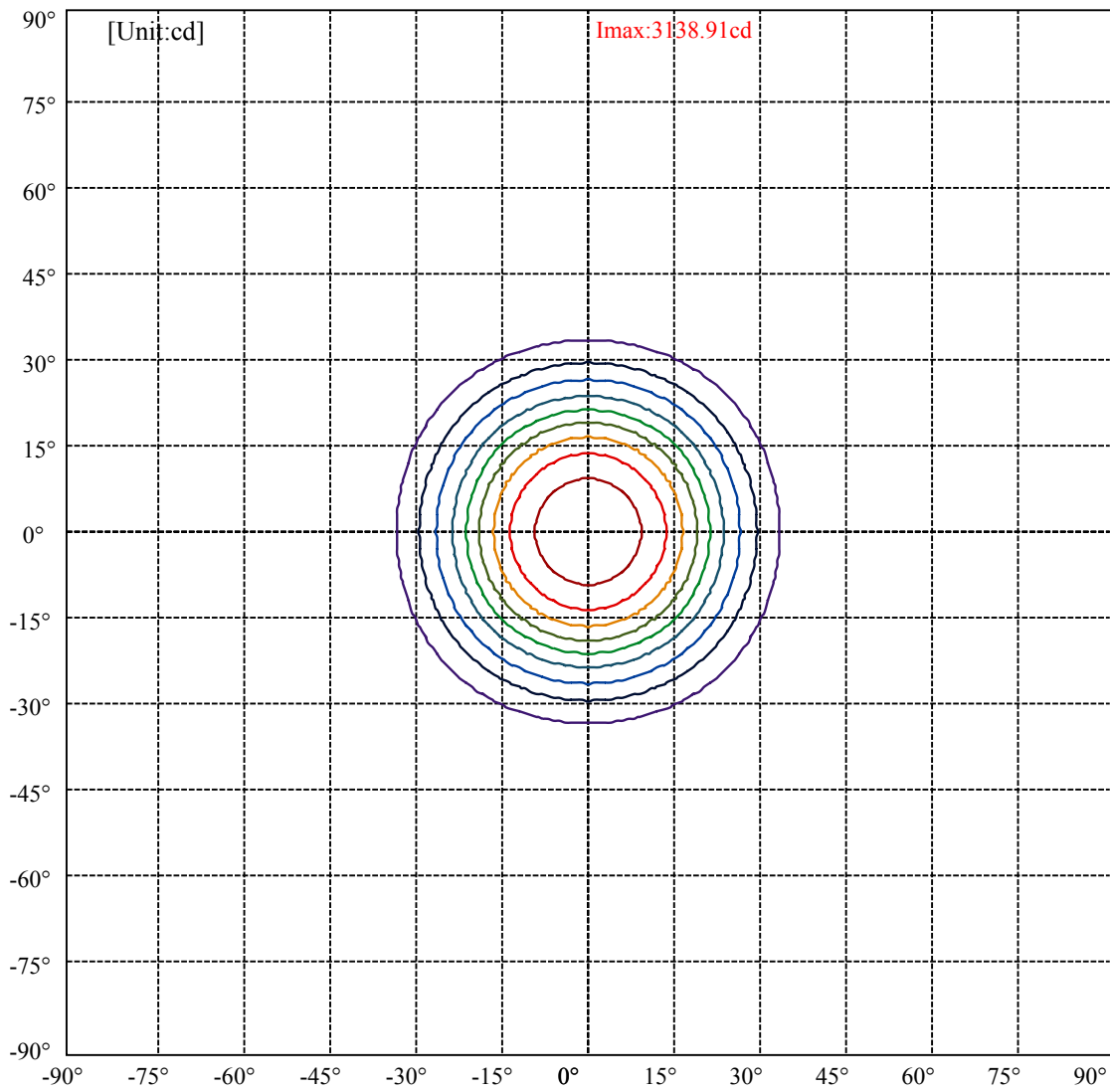
Field angle(10%Imax):C0/180Left:33.0 Right:33.0

:C90/270Left:33.0 Right:33.0

Beam Angle(50%Imax):C0/180Left:21.0 Right:21.0

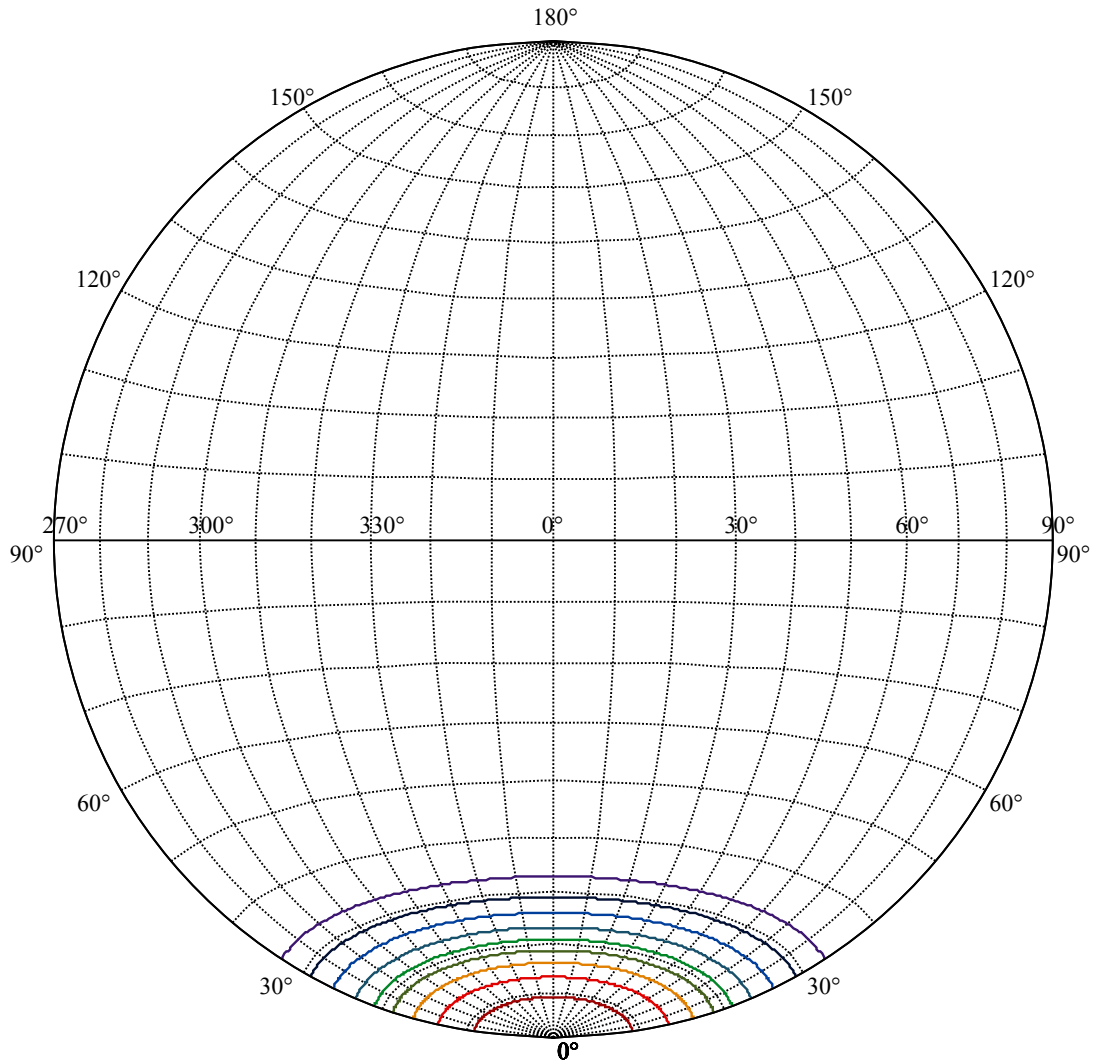
:C90/270Left:21.0 Right:21.0





(10%Imax) 313.891	—
(20%Imax) 627.783	—
(30%Imax) 941.674	—
(40%Imax) 1255.57	—
(50%Imax) 1569.46	—
(60%Imax) 1883.35	—
(70%Imax) 2197.24	—
(80%Imax) 2511.13	—
(90%Imax) 2825.02	—





House

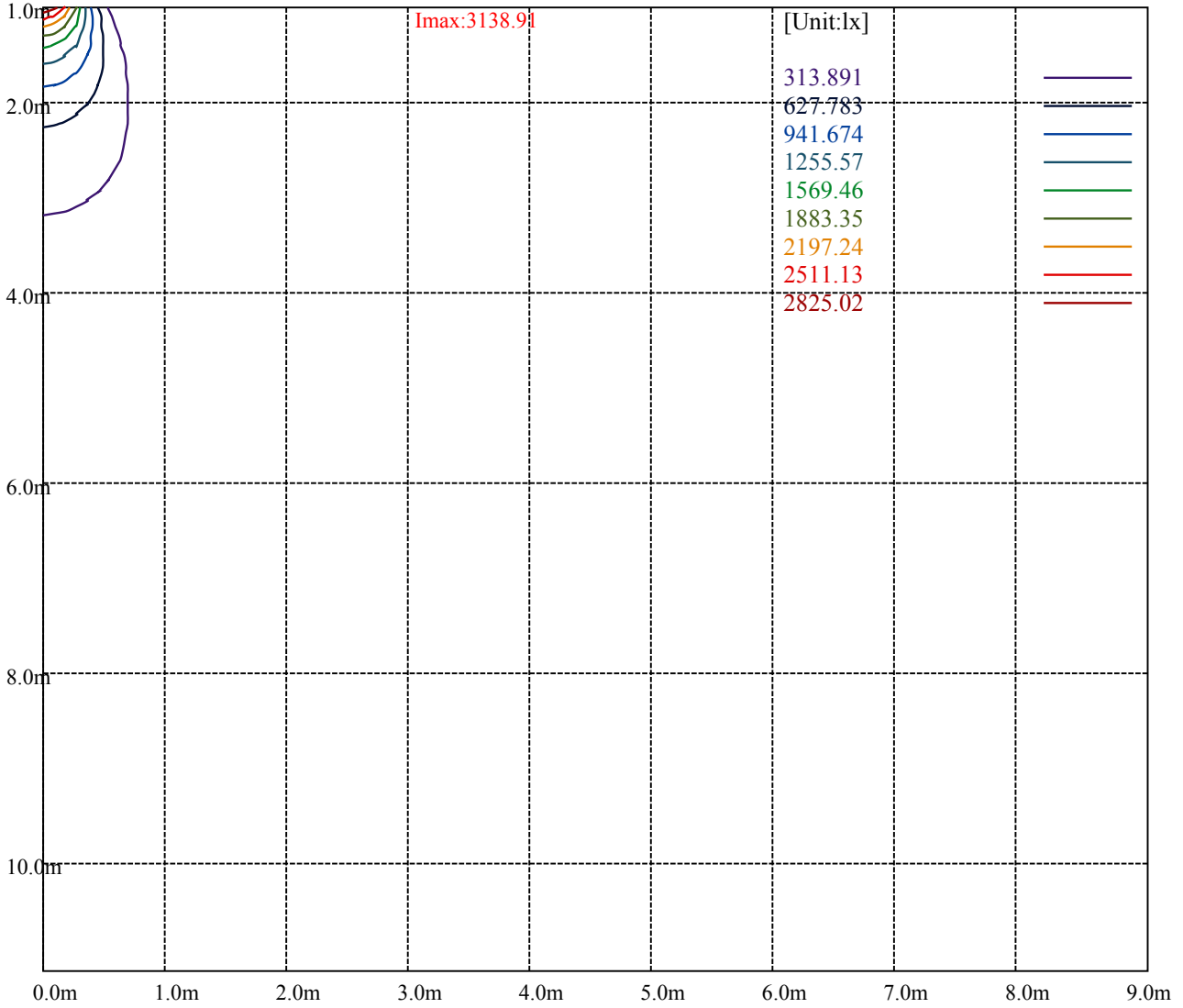
[Unit:cd]

Road

**Imax:3138.91**

(10%Imax) 313.891	—
(20%Imax) 627.783	—
(30%Imax) 941.674	—
(40%Imax) 1255.57	—
(50%Imax) 1569.46	—
(60%Imax) 1883.35	—
(70%Imax) 2197.24	—
(80%Imax) 2511.13	—
(90%Imax) 2825.02	—





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

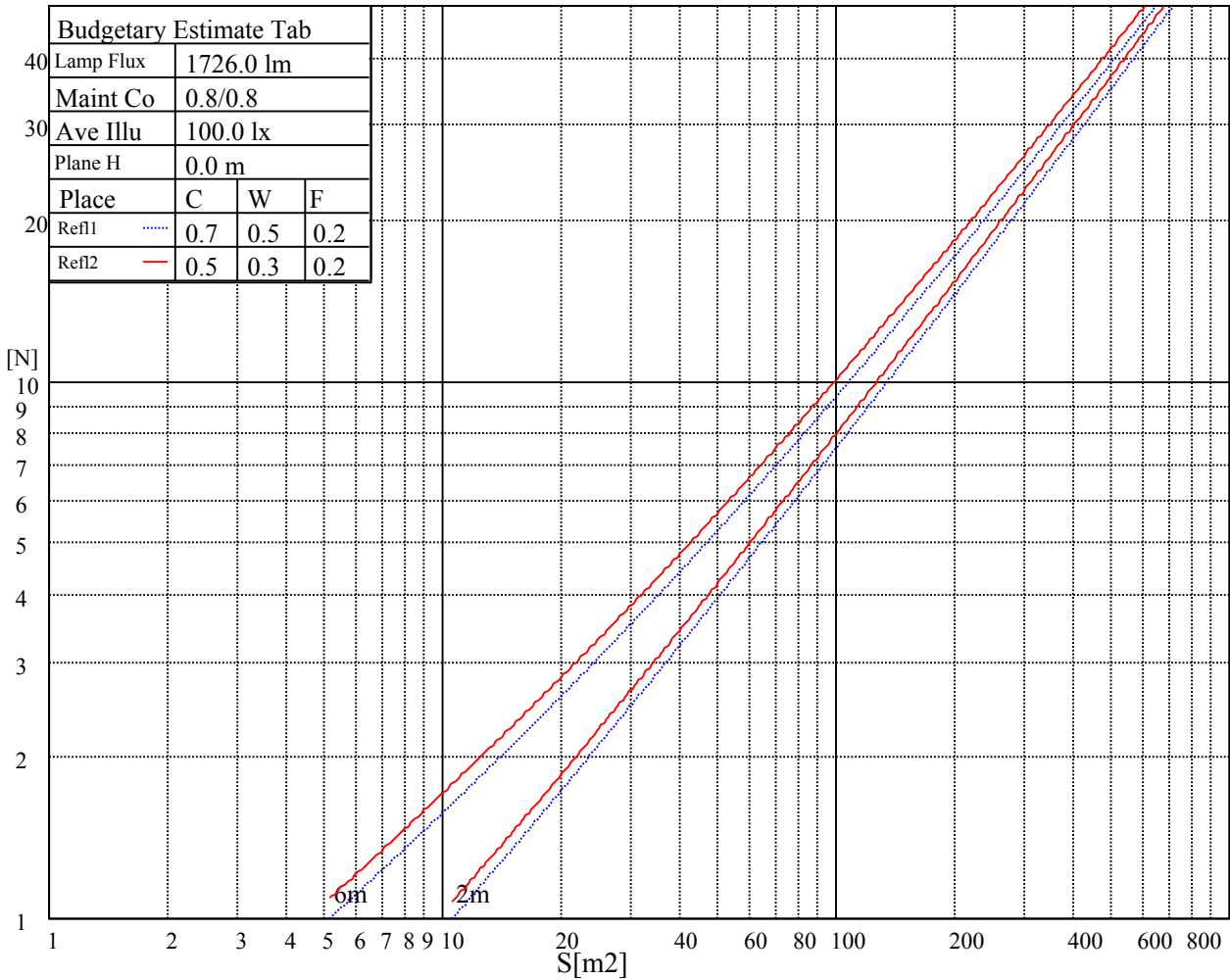
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

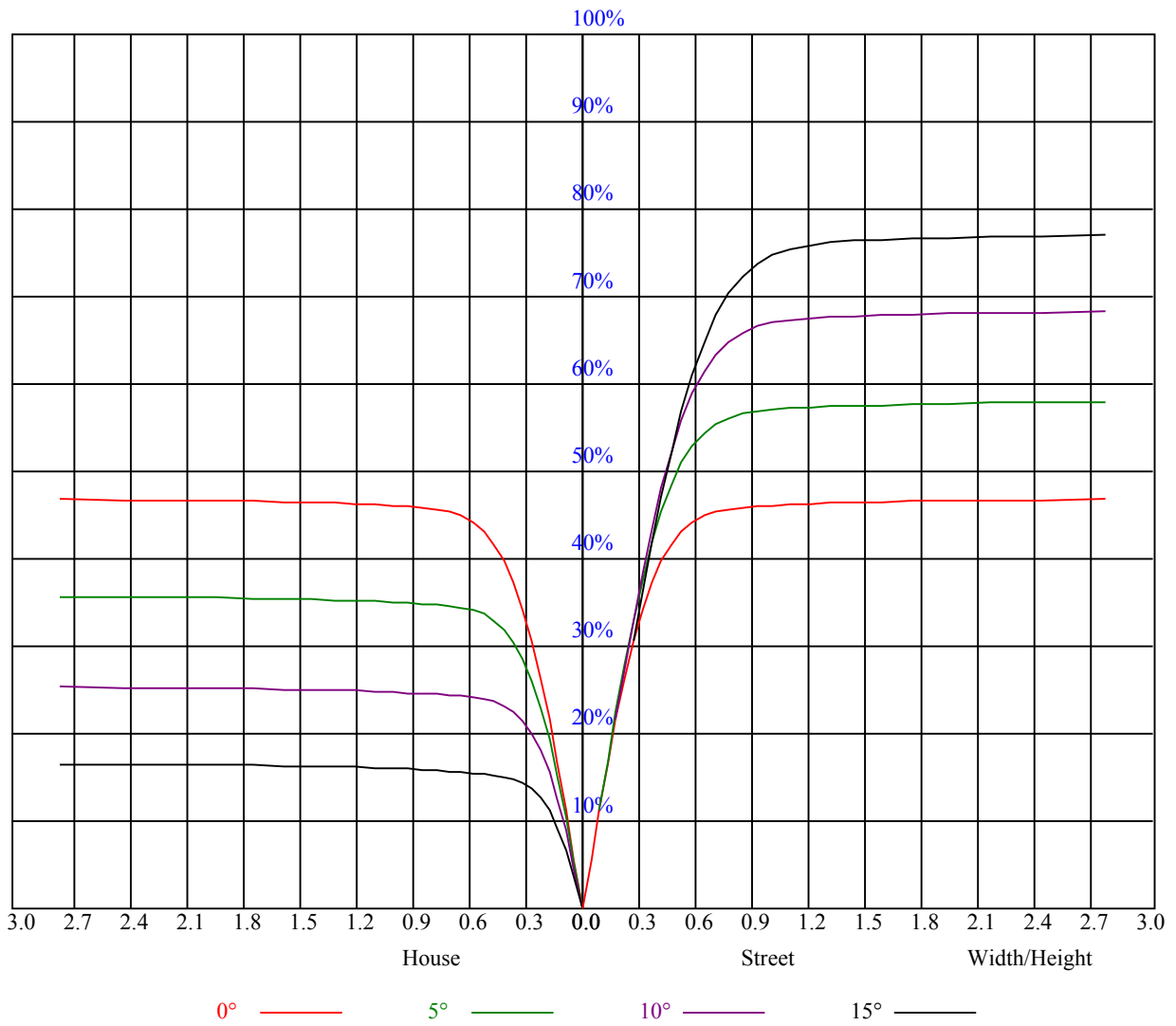


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

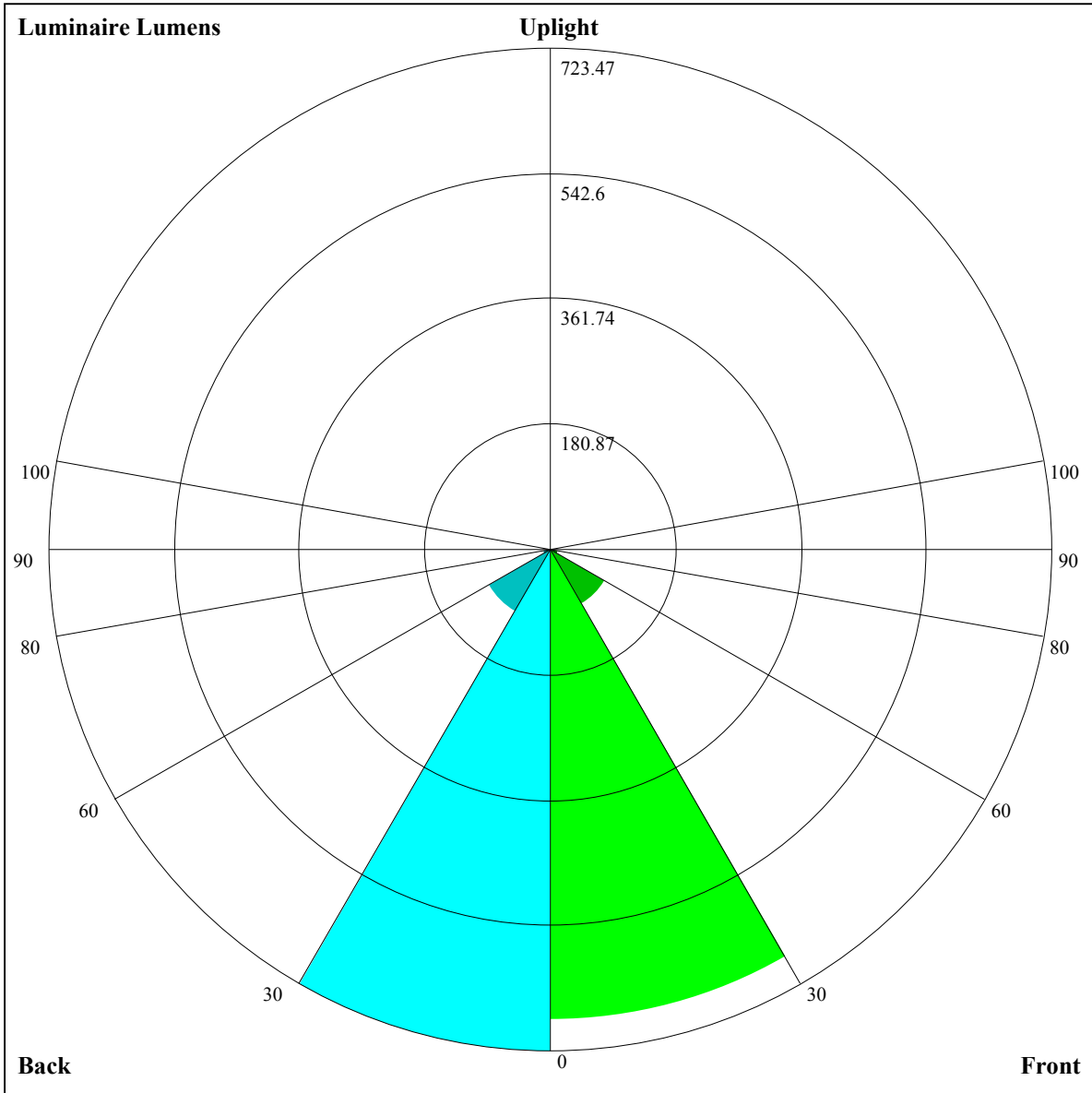
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	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	0.99	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.91	0.89
2	0.99	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.84
3	0.93	0.89	0.85	0.92	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.79
4	0.88	0.83	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.75
5	0.83	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
7	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57







Luminaire Lumens:

FL=677.9,FM=90.37,FH=11.91,FVH=4.33

BL=723.47,BM=103.15,BH=12.13,BVH=4.39

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	3124.57	3090.05	3065.47	3043.81	3019.23	2963.05	2920.33	2876.44	2830.79
45.0	3141.55	3133.35	3104.09	3076.00	3050.25	3014.55	2953.10	2880.54	2834.89
90.0	3154.42	3133.35	3077.76	3052.59	3020.99	2967.15	2901.02	2837.81	2769.34
135.0	3135.11	3160.86	3144.47	3107.60	3071.90	3043.81	3012.21	2964.81	2895.75
180.0	3124.57	3141.55	3117.55	3082.44	3071.32	3063.13	3044.40	3010.46	2967.15
225.0	3141.55	3111.70	3106.43	3122.82	3109.94	3074.83	3017.48	2989.39	2951.93
270.0	3154.42	3152.08	3121.65	3126.92	3132.18	3114.04	3080.10	3026.26	2993.48
315.0	3135.11	3105.85	3097.65	3104.09	3073.07	3029.77	2977.68	2936.13	2876.44
360.0	3124.57	3090.05	3065.47	3043.81	3019.23	2963.05	2920.33	2876.44	2830.79
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2756.47	2692.68	2610.75	2508.92	2419.96	2323.40	2191.14	2078.78	1936.57
45.0	2785.14	2735.99	2681.56	2593.19	2511.84	2408.26	2312.87	2219.82	2082.29
90.0	2710.82	2661.66	2580.90	2501.90	2414.11	2311.11	2215.14	2111.55	2008.55
135.0	2833.72	2792.75	2747.69	2668.10	2593.19	2505.41	2400.07	2314.04	2219.23
180.0	2911.55	2865.32	2812.06	2735.40	2661.66	2579.73	2506.58	2421.72	2292.38
225.0	2912.14	2846.01	2781.05	2715.50	2633.57	2545.20	2425.23	2313.45	2164.81
270.0	2947.25	2892.83	2826.70	2735.99	2662.83	2572.71	2471.46	2332.18	2213.38
315.0	2807.38	2737.74	2656.98	2570.95	2480.83	2346.23	2236.79	2080.53	1943.01
360.0	2756.47	2692.68	2610.75	2508.92	2419.96	2323.40	2191.14	2078.78	1936.57
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1825.38	1708.92	1588.36	1472.48	1147.57	1147.57	1090.92	951.99	849.22
45.0	1979.29	1866.93	1734.08	1622.30	1508.77	1391.72	1250.68	1135.98	1019.52
90.0	1889.75	1769.78	1649.22	1529.84	1295.75	1149.09	1149.09	1028.53	918.86
135.0	2085.80	1972.85	1858.15	1725.30	1612.94	1495.31	1347.25	1237.22	1127.79
180.0	2184.70	2028.45	1908.48	1794.36	1637.52	1511.69	1385.87	1265.31	1118.42
225.0	2033.13	1895.02	1727.64	1586.60	1453.76	1150.73	1150.73	1064.06	951.17
270.0	2081.70	1943.59	1753.39	1624.06	1477.17	1337.30	1183.38	1065.17	924.71
315.0	1806.06	1633.42	1498.23	1151.96	1151.96	1096.65	991.20	883.34	768.22
360.0	1825.38	1708.92	1588.36	1472.48	1147.57	1147.57	1090.92	951.99	849.22
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	748.27	651.00	540.81	459.99	369.86	307.42	251.65	189.09	148.94
45.0	911.25	776.07	674.82	580.60	479.36	405.03	323.10	307.89	307.89
90.0	783.21	682.49	589.97	501.19	408.19	339.78	280.79	226.42	170.30
135.0	1016.01	909.50	773.73	678.92	586.45	479.94	400.94	316.67	301.45
180.0	1004.30	894.87	762.61	660.78	568.90	482.87	383.38	316.08	300.86
225.0	826.05	727.20	631.93	542.04	439.04	366.53	302.21	233.56	186.80
270.0	826.40	735.10	617.47	540.81	464.73	392.74	316.08	301.45	301.45
315.0	681.08	596.81	520.21	444.54	359.91	300.81	234.91	188.44	140.04
360.0	748.27	651.00	540.81	459.99	369.86	307.42	251.65	189.09	148.94
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	118.45	95.74	74.32	61.62	52.67	46.00	40.97	36.28	33.53
45.0	155.20	122.25	97.91	79.53	66.19	54.60	47.87	42.84	38.92
90.0	134.78	107.80	83.69	69.76	59.63	50.62	45.30	41.08	37.10
135.0	301.45	151.51	118.74	93.99	75.44	59.63	50.97	44.59	40.03
180.0	231.34	151.75	118.39	88.72	70.99	58.70	48.28	42.55	38.39
225.0	138.58	108.56	85.62	64.84	53.43	45.47	39.91	35.70	31.89
270.0	167.08	124.42	98.20	78.77	60.75	50.68	43.66	37.45	33.94
315.0	110.72	88.43	71.51	56.36	48.05	42.19	37.98	33.94	31.43
360.0	118.45	95.74	74.32	61.62	52.67	46.00	40.97	36.28	33.53

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	30.72	28.85	27.21	25.57	24.52	23.47	22.47	21.65	21.07
45.0	35.11	32.66	30.08	28.32	26.80	25.16	23.99	23.17	22.18
90.0	34.59	32.48	30.02	28.50	27.15	25.87	24.58	23.82	22.88
135.0	35.76	33.18	31.02	28.62	27.04	25.69	24.17	23.17	22.18
180.0	34.53	32.13	30.08	28.32	26.86	25.28	24.23	22.94	22.06
225.0	29.50	27.51	25.57	24.17	23.12	21.89	21.01	20.25	19.31
270.0	30.49	28.27	26.45	24.87	23.53	22.12	21.01	20.07	19.08
315.0	29.26	27.45	25.63	24.35	22.88	21.95	21.01	19.96	19.20
360.0	30.72	28.85	27.21	25.57	24.52	23.47	22.47	21.65	21.07
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.37	19.55	18.96	18.32	17.73	16.97	16.33	15.68	15.10
45.0	21.48	20.83	20.19	19.55	18.73	18.02	17.38	16.56	15.98
90.0	22.12	21.24	20.54	19.72	18.90	18.20	17.32	16.56	15.86
135.0	21.48	20.78	20.07	19.49	18.79	18.14	17.56	16.97	16.15
180.0	21.24	20.37	19.72	19.14	18.55	17.85	17.26	16.62	16.04
225.0	18.61	17.97	17.21	16.68	16.21	15.74	15.10	14.69	14.22
270.0	18.38	17.62	16.74	16.04	15.63	15.04	14.63	14.10	13.75
315.0	18.49	17.85	17.15	16.50	15.98	15.33	14.81	14.34	13.81
360.0	20.37	19.55	18.96	18.32	17.73	16.97	16.33	15.68	15.10
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.57	13.93	13.46	12.93	12.35	12.00	11.76	11.53	11.29
45.0	15.33	14.63	14.05	13.34	12.70	12.23	11.70	11.35	11.12
90.0	15.27	14.46	13.87	13.23	12.52	11.94	11.53	11.29	10.94
135.0	15.57	14.92	14.34	13.87	13.17	12.58	12.11	11.59	11.35
180.0	15.33	14.81	14.28	13.64	13.11	12.58	12.17	11.82	11.53
225.0	13.75	13.23	12.76	12.35	11.94	11.59	11.24	11.00	10.77
270.0	13.28	12.99	12.64	12.29	11.88	11.59	11.24	11.00	10.83
315.0	13.23	12.76	12.29	11.82	11.47	11.18	10.94	10.71	10.48
360.0	14.57	13.93	13.46	12.93	12.35	12.00	11.76	11.53	11.29
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.00	10.71	10.48	10.24	10.01	9.83	9.54	9.31	9.07
45.0	10.89	10.65	10.36	10.18	9.95	9.71	9.48	9.31	9.01
90.0	10.71	10.53	10.24	10.01	9.83	9.54	9.36	9.13	8.90
135.0	11.06	10.89	10.65	10.36	10.12	10.01	9.77	9.54	9.31
180.0	11.24	11.06	10.83	10.53	10.30	10.12	9.95	9.71	9.42
225.0	10.53	10.24	10.07	9.83	9.66	9.42	9.25	9.01	8.78
270.0	10.53	10.30	10.12	9.95	9.66	9.48	9.25	9.07	8.78
315.0	10.24	10.01	9.83	9.60	9.42	9.13	8.95	8.72	8.54
360.0	11.00	10.71	10.48	10.24	10.01	9.83	9.54	9.31	9.07
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.90	8.72	8.54	8.31	8.13	7.90	7.72	7.49	7.20
45.0	8.84	8.60	8.43	8.19	8.02	7.84	7.67	7.43	7.32
90.0	8.66	8.49	8.25	8.02	7.90	7.67	7.55	7.37	7.20
135.0	9.07	8.84	8.60	8.43	8.19	8.02	7.78	7.61	7.43
180.0	9.25	9.01	8.78	8.60	8.37	8.13	7.96	7.78	7.67
225.0	8.60	8.43	8.19	8.02	7.84	7.67	7.49	7.37	7.14
270.0	8.60	8.37	8.19	7.96	7.78	7.61	7.49	7.32	7.20
315.0	8.31	8.13	7.96	7.84	7.67	7.49	7.32	7.20	7.08
360.0	8.90	8.72	8.54	8.31	8.13	7.90	7.72	7.49	7.20

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>7.20</b>
<b>45.0</b>	<b>7.14</b>
<b>90.0</b>	<b>7.14</b>
<b>135.0</b>	<b>7.32</b>
<b>180.0</b>	<b>7.32</b>
<b>225.0</b>	<b>7.08</b>
<b>270.0</b>	<b>7.14</b>
<b>315.0</b>	<b>7.08</b>
<b>360.0</b>	<b>7.20</b>