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NT

Client:

LumCAT: 3-2835-L

Luminaire: 92.70.411.00

Report No: 2024401-B022

Ballast type: AC

Test No: 2024401-C022

Voltage(V): 35.150

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2224.0

Power (W): 17.047

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1871.75, Efficiency(%): 84.16% , Luminous Efficacy(lm/W): 109.80

Central intensity(cd): 3270.003, Maximum intensity(cd): 3293.193

Angle of maximum intensity: C=0.0  $\gamma$ =4.0

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=0.69 C90\_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.16%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.728%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/01  
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	3270.003	0.000	0	0.00%	0.00%
1.0	3271.686	3.130	3.13	0.14%	0.17%
2.0	3280.684	9.405	12.535	0.42%	0.67%
3.0	3289.242	15.713	28.248	0.71%	1.51%
4.0	3293.193	22.034	50.281	0.99%	2.69%
5.0	3288.804	28.315	78.597	1.27%	4.20%
6.0	3272.637	34.482	113.079	1.55%	6.04%
7.0	3239.498	40.421	153.5	1.82%	8.20%
8.0	3201.166	46.095	199.594	2.07%	10.66%
9.0	3157.786	51.536	251.13	2.32%	13.42%
10.0	3105.994	56.685	307.815	2.55%	16.45%
11.0	3040.741	61.419	369.233	2.76%	19.73%
12.0	2962.760	65.627	434.86	2.95%	23.23%
13.0	2873.001	69.256	504.116	3.11%	26.93%
14.0	2771.099	72.244	576.36	3.25%	30.79%
15.0	2658.882	74.545	650.905	3.35%	34.78%
16.0	2533.863	76.088	726.993	3.42%	38.84%
17.0	2394.799	76.753	803.746	3.45%	42.94%
18.0	2257.491	76.706	880.452	3.45%	47.04%
19.0	2121.207	76.180	956.633	3.43%	51.11%
20.0	1979.216	75.049	1031.682	3.37%	55.12%
21.0	1832.105	73.185	1104.867	3.29%	59.03%
22.0	1684.702	70.672	1175.538	3.18%	62.80%
23.0	1530.861	67.471	1243.01	3.03%	66.41%
24.0	1372.938	63.487	1306.497	2.85%	69.80%
25.0	1232.616	59.245	1365.742	2.66%	72.97%
26.0	1142.542	56.066	1421.808	2.52%	75.96%
27.0	1030.793	53.171	1474.979	2.39%	78.80%
28.0	925.950	49.541	1524.519	2.23%	81.45%
29.0	819.754	45.673	1570.192	2.05%	83.89%
30.0	709.783	41.297	1611.489	1.86%	86.10%
31.0	599.504	36.436	1647.925	1.64%	88.04%
32.0	496.176	31.390	1679.315	1.41%	89.72%
33.0	387.229	26.025	1705.34	1.17%	91.11%
34.0	306.453	20.993	1726.333	0.94%	92.23%
35.0	245.341	17.137	1743.47	0.77%	93.15%
36.0	153.921	12.713	1756.182	0.57%	93.83%
37.0	101.485	8.330	1764.512	0.37%	94.27%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	63.994	5.523	1770.036	0.25%	94.57%
39.0	53.870	4.023	1774.059	0.18%	94.78%
40.0	49.181	3.594	1777.653	0.16%	94.97%
41.0	45.406	3.368	1781.021	0.15%	95.15%
42.0	42.926	3.209	1784.23	0.14%	95.32%
43.0	40.746	3.099	1787.33	0.14%	95.49%
44.0	39.078	3.013	1790.342	0.14%	95.65%
45.0	37.367	2.938	1793.28	0.13%	95.81%
46.0	35.765	2.860	1796.14	0.13%	95.96%
47.0	34.258	2.785	1798.925	0.13%	96.11%
48.0	32.919	2.716	1801.641	0.12%	96.25%
49.0	31.719	2.654	1804.295	0.12%	96.40%
50.0	30.556	2.596	1806.892	0.12%	96.53%
51.0	29.481	2.540	1809.432	0.11%	96.67%
52.0	28.420	2.485	1811.916	0.11%	96.80%
53.0	27.308	2.424	1814.341	0.11%	96.93%
54.0	26.086	2.353	1816.694	0.11%	97.06%
55.0	24.799	2.271	1818.965	0.10%	97.18%
56.0	23.665	2.190	1821.155	0.10%	97.30%
57.0	22.531	2.112	1823.268	0.09%	97.41%
58.0	21.690	2.045	1825.312	0.09%	97.52%
59.0	20.834	1.988	1827.3	0.09%	97.63%
60.0	19.993	1.929	1829.229	0.09%	97.73%
61.0	19.269	1.874	1831.103	0.08%	97.83%
62.0	18.683	1.829	1832.932	0.08%	97.93%
63.0	18.186	1.793	1834.725	0.08%	98.02%
64.0	17.645	1.758	1836.483	0.08%	98.12%
65.0	16.950	1.712	1838.195	0.08%	98.21%
66.0	16.189	1.653	1839.848	0.07%	98.30%
67.0	15.604	1.599	1841.447	0.07%	98.38%
68.0	15.340	1.568	1843.015	0.07%	98.46%
69.0	15.230	1.560	1844.574	0.07%	98.55%
70.0	15.172	1.561	1846.136	0.07%	98.63%
71.0	15.091	1.564	1847.7	0.07%	98.72%
72.0	14.982	1.564	1849.263	0.07%	98.80%
73.0	14.865	1.561	1850.824	0.07%	98.88%
74.0	14.689	1.554	1852.378	0.07%	98.97%
75.0	14.514	1.543	1853.921	0.07%	99.05%

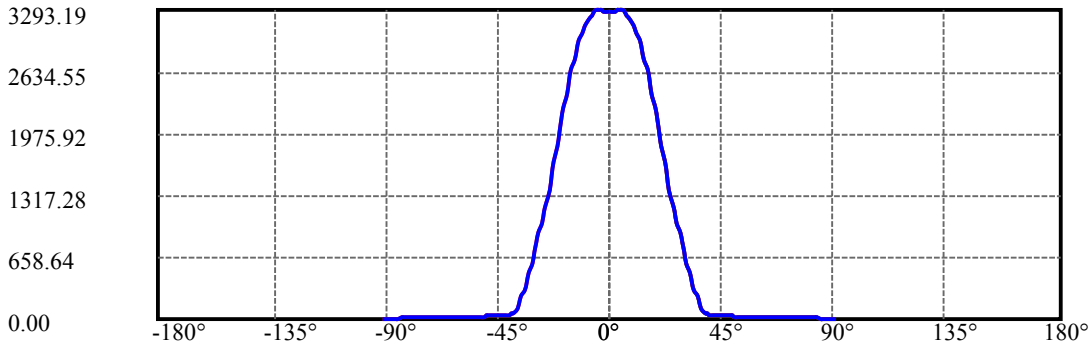
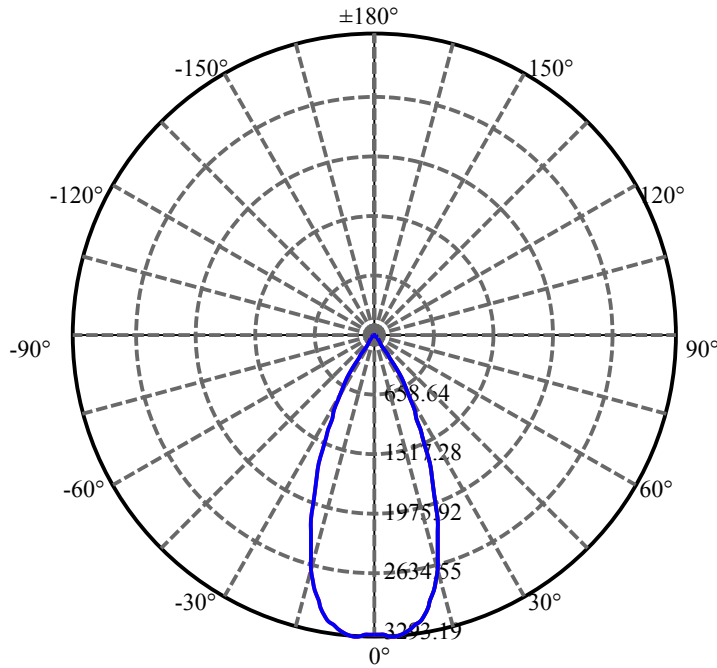
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.192	1.524	1855.445	0.07%	99.13%
77.0	13.841	1.495	1856.939	0.07%	99.21%
78.0	13.467	1.462	1858.401	0.07%	99.29%
79.0	13.007	1.422	1859.823	0.06%	99.36%
80.0	12.502	1.375	1861.199	0.06%	99.44%
81.0	12.019	1.326	1862.525	0.06%	99.51%
82.0	11.427	1.271	1863.796	0.06%	99.58%
83.0	10.754	1.206	1865.002	0.05%	99.64%
84.0	9.949	1.128	1866.13	0.05%	99.70%
85.0	9.225	1.046	1867.176	0.05%	99.76%
86.0	8.588	0.974	1868.15	0.04%	99.81%
87.0	8.325	0.926	1869.075	0.04%	99.86%
88.0	8.179	0.904	1869.979	0.04%	99.91%
89.0	8.047	0.889	1870.869	0.04%	99.95%
90.0	7.996	0.880	1871.748	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1611.49	72.46%	86.10%
0-40	1777.65	79.93%	94.97%
0-60	1829.23	82.25%	97.73%
0-90	1870.87	84.12%	99.95%
0-120	1870.87	84.12%	99.95%
0-180	1871.75	84.16%	100.00%
60-90	41.64	1.87%	2.22%
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%
0-27.45	1497.40	67.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	307.81
10-20	723.87
20-30	579.81
30-40	166.16
40-50	29.24
50-60	22.34
60-70	16.91
70-80	15.06
80-90	9.67
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



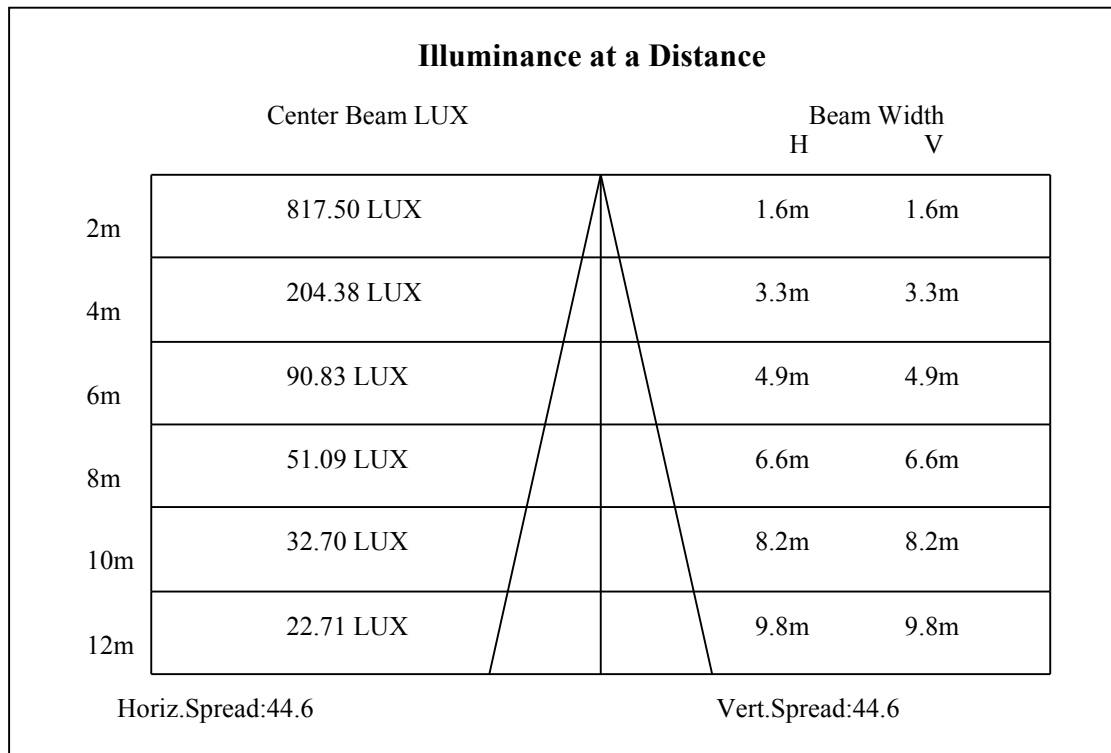
C0(Max): —————

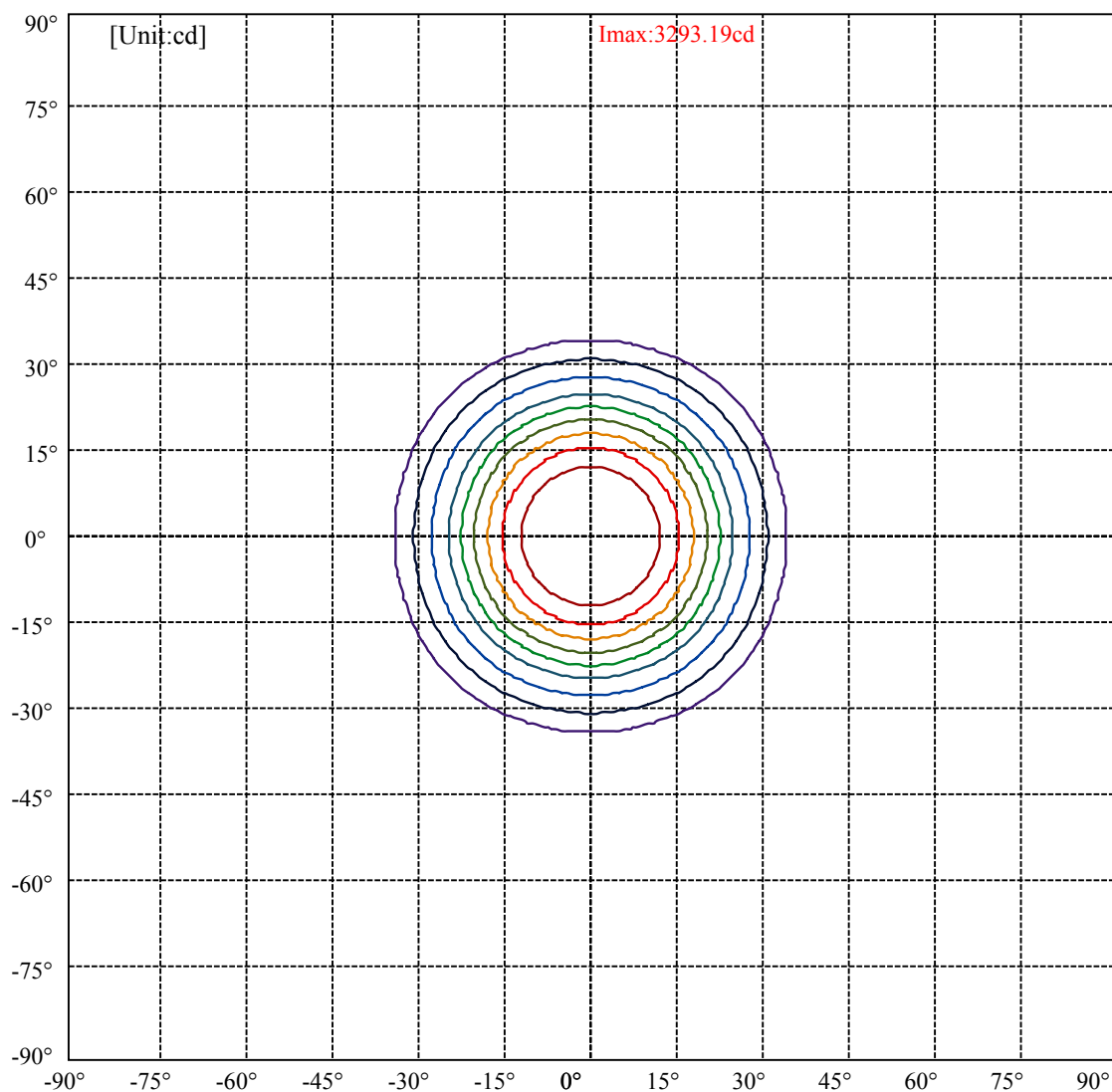
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:37.7 Right:29.7  
:C90/270Left:37.7 Right:29.7

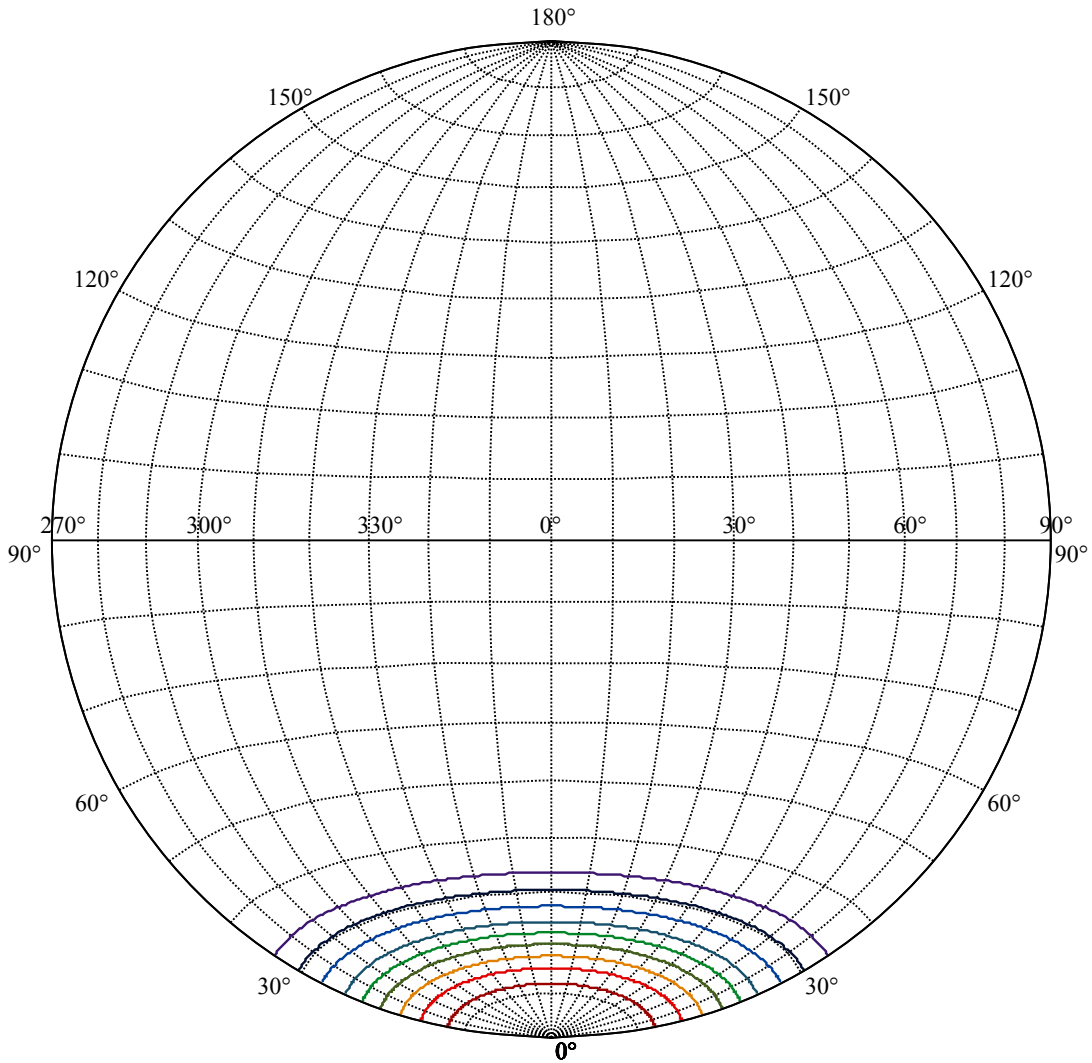
Beam Angle(50%Imax):C0/180Left:26.2 Right:18.2  
:C90/270Left:26.2 Right:18.2





(10%Imax) 329.319	—
(20%Imax) 658.639	—
(30%Imax) 987.958	—
(40%Imax) 1317.28	—
(50%Imax) 1646.6	—
(60%Imax) 1975.92	—
(70%Imax) 2305.24	—
(80%Imax) 2634.55	—
(90%Imax) 2963.87	—





House

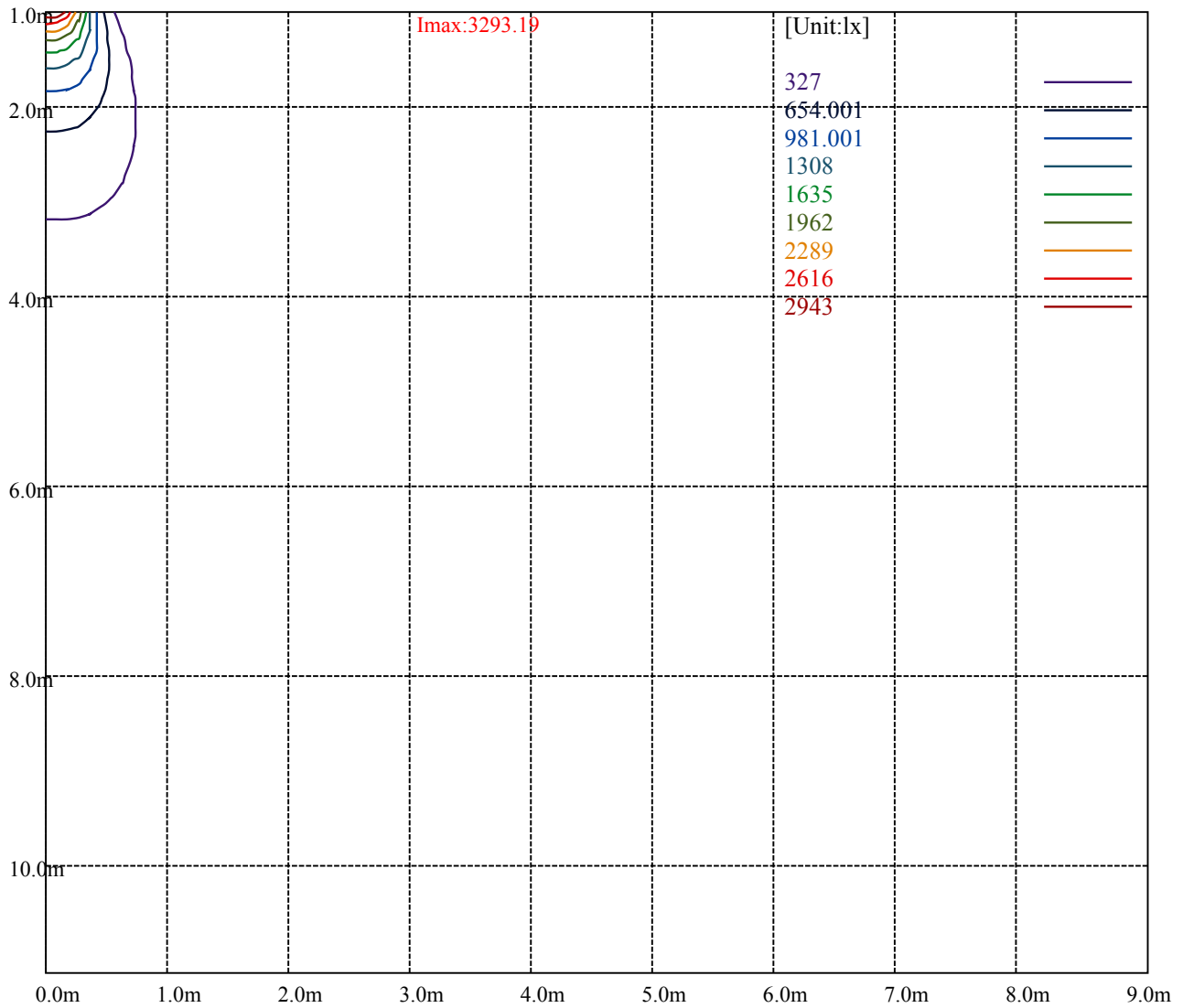
[Unit:cd]

Road

**Imax:3293.19**

(10%Imax) 329.319	—
(20%Imax) 658.639	—
(30%Imax) 987.958	—
(40%Imax) 1317.28	—
(50%Imax) 1646.6	—
(60%Imax) 1975.92	—
(70%Imax) 2305.24	—
(80%Imax) 2634.55	—
(90%Imax) 2963.87	—





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

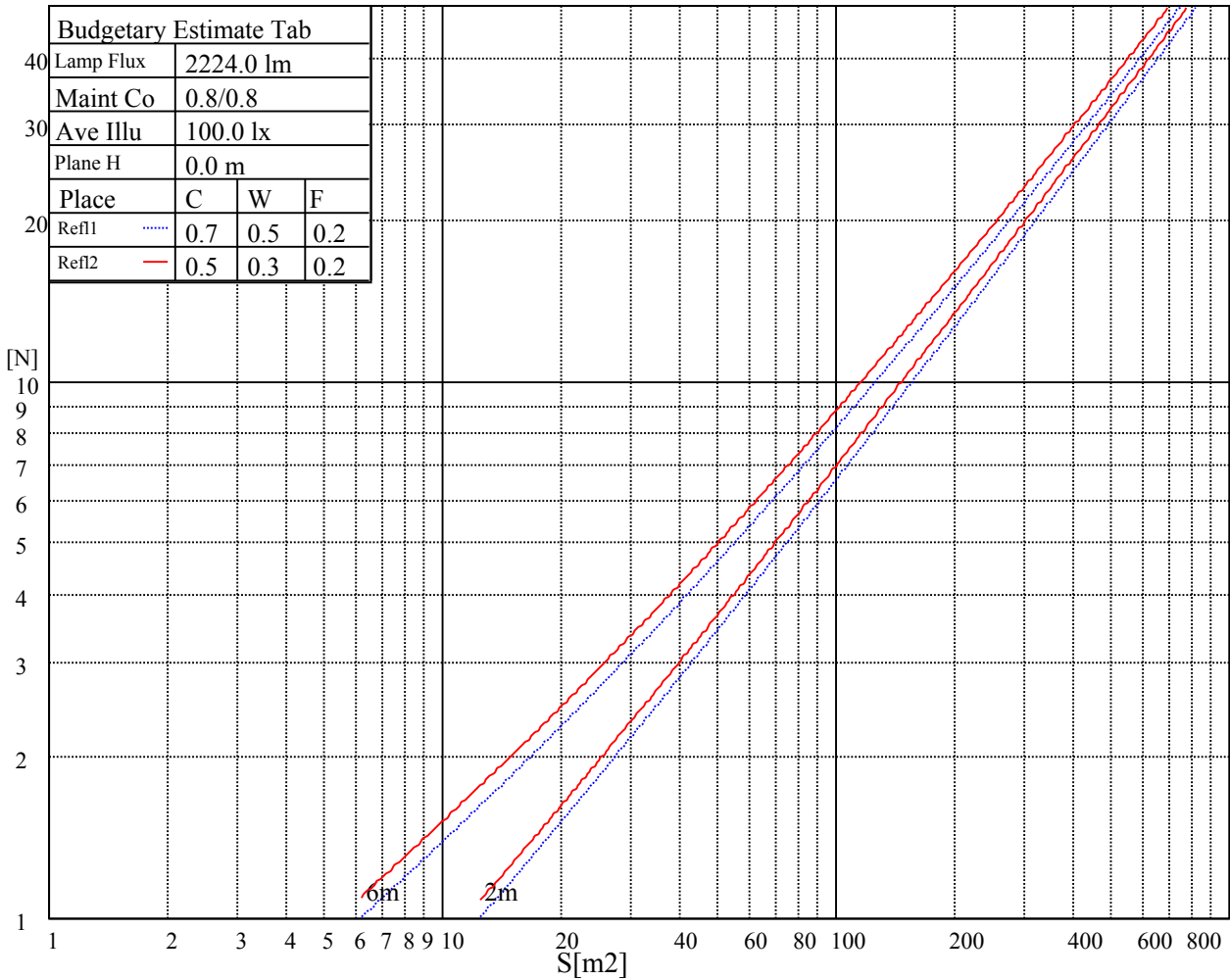
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

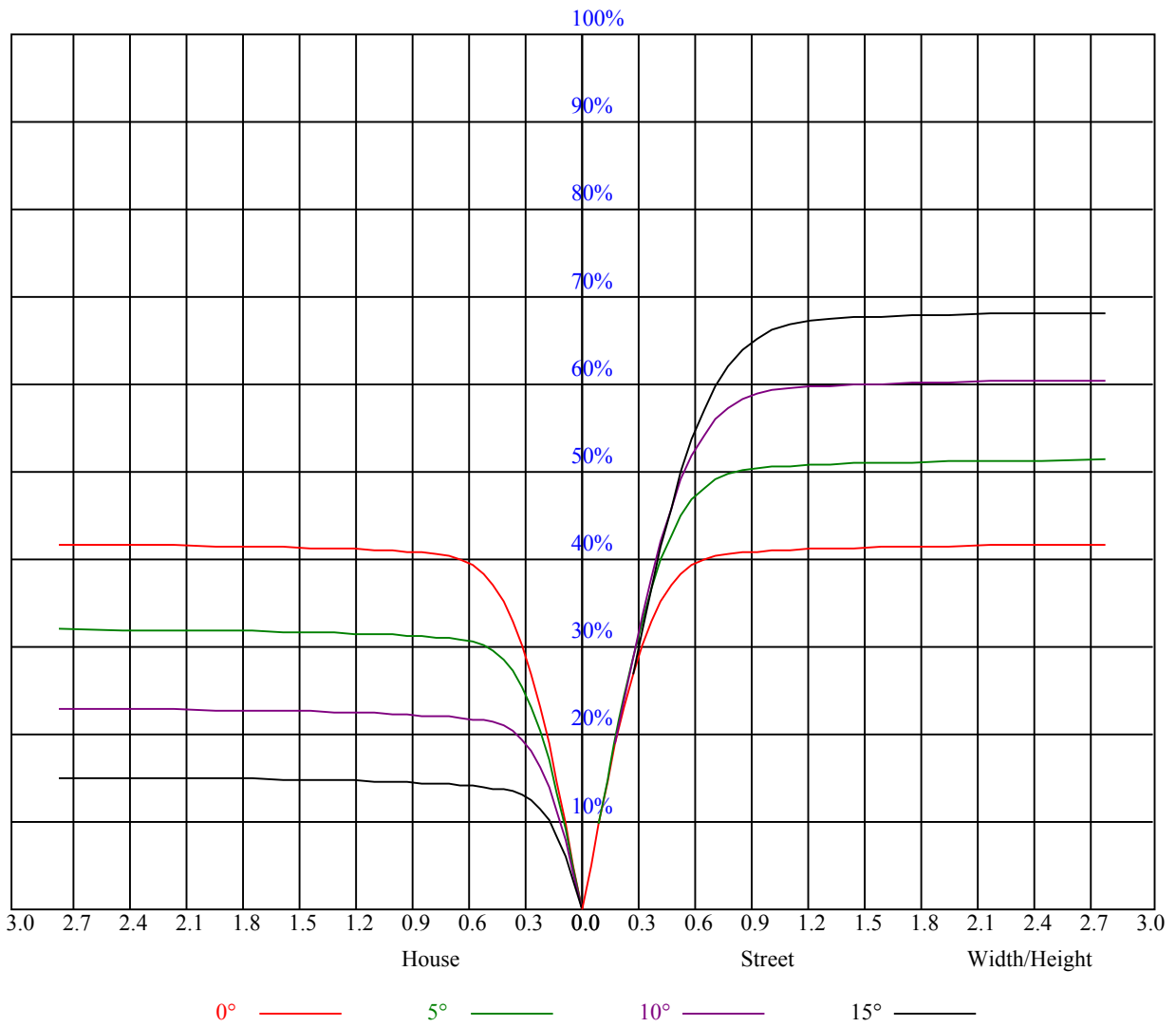


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

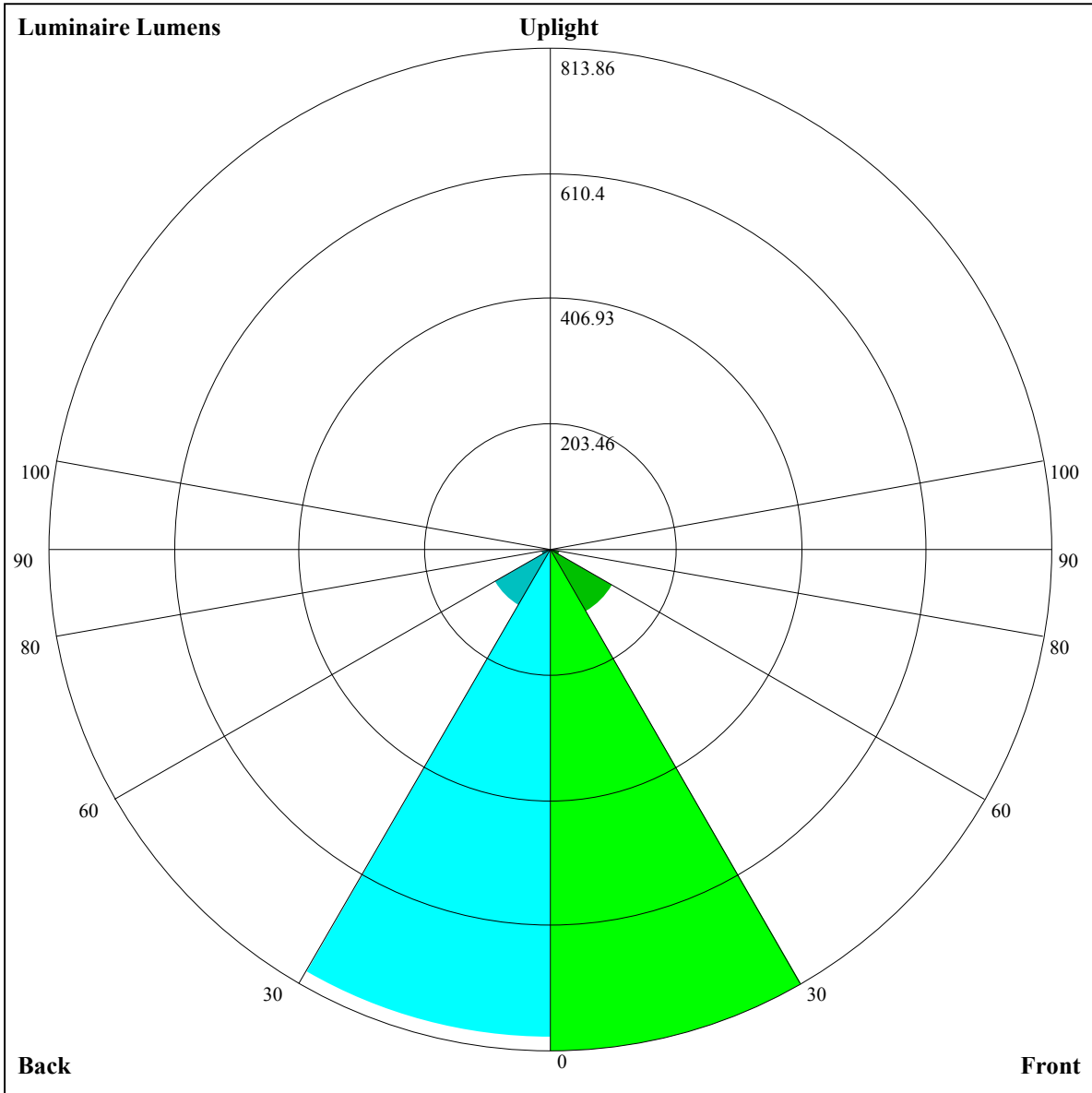
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.93	0.91	0.90	0.92	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	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	0.56	0.54	0.59	0.56	0.53	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50







Luminaire Lumens:

FL=813.86,FM=117.37,FH=16.05,FVH=5.38

BL=793.48,BM=105.46,BH=15.98,BVH=5.23

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	3266.20	3272.05	3280.24	3289.02	3297.22	3290.78	3276.73	3248.64	3202.41
45.0	3276.73	3269.13	3273.22	3276.73	3292.53	3297.22	3300.73	3286.10	3257.42
90.0	3265.03	3265.61	3283.76	3300.73	3300.14	3301.31	3287.27	3255.67	3223.48
135.0	3272.05	3263.86	3271.47	3279.66	3296.05	3300.73	3294.88	3269.71	3236.35
180.0	3266.20	3270.30	3277.90	3290.19	3297.22	3290.19	3279.07	3238.69	3208.26
225.0	3276.73	3286.68	3297.22	3298.39	3291.95	3269.71	3227.57	3182.51	3138.62
270.0	3265.03	3273.22	3278.49	3291.36	3289.02	3289.61	3274.98	3228.16	3188.95
315.0	3272.05	3272.64	3283.17	3287.85	3281.42	3270.88	3239.86	3206.51	3153.84
360.0	3266.20	3272.05	3280.24	3289.02	3297.22	3290.78	3276.73	3248.64	3202.41
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3162.03	3106.43	3050.84	2978.85	2892.83	2779.88	2674.54	2561.00	2435.18
45.0	3228.16	3186.61	3136.28	3069.56	3002.85	2924.43	2837.23	2719.60	2603.72
90.0	3176.07	3131.60	3063.71	2992.31	2906.87	2821.43	2696.19	2580.90	2425.82
135.0	3186.02	3153.84	3101.75	3039.72	2943.16	2853.03	2756.47	2614.26	2492.53
180.0	3163.20	3101.75	3040.89	2961.88	2854.79	2755.88	2645.86	2532.91	2371.39
225.0	3084.78	3005.77	2929.11	2819.67	2711.99	2607.82	2452.74	2326.33	2186.46
270.0	3148.57	3101.17	3020.99	2941.40	2860.05	2738.33	2634.74	2487.85	2354.42
315.0	3113.46	3060.79	2982.37	2898.68	2811.48	2688.00	2573.29	2448.05	2288.87
360.0	3162.03	3106.43	3050.84	2978.85	2892.83	2779.88	2674.54	2561.00	2435.18
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2281.85	2149.00	2023.18	1858.73	1728.23	1600.06	1433.86	1163.19	1163.19
45.0	2486.68	2329.25	2201.09	2075.27	1907.89	1778.56	1615.86	1481.85	1357.78
90.0	2290.04	2156.61	1988.65	1857.56	1725.89	1557.93	1425.08	1154.65	1154.65
135.0	2364.95	2225.67	2092.24	1919.60	1791.43	1660.34	1490.63	1365.39	1209.13
180.0	2237.37	2107.45	1963.49	1793.19	1643.37	1507.01	1340.22	1223.18	1106.72
225.0	2013.82	1880.97	1744.03	1604.75	1437.96	1162.32	1162.32	1081.20	952.51
270.0	2224.50	2093.41	1928.37	1787.34	1650.39	1519.30	1360.12	1236.05	1119.01
315.0	2160.71	2027.28	1892.68	1760.42	1592.46	1461.37	1155.41	1155.41	1077.34
360.0	2281.85	2149.00	2023.18	1858.73	1728.23	1600.06	1433.86	1163.19	1163.19
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1052.53	956.32	867.42	746.81	646.26	537.00	438.74	318.89	225.49
45.0	1235.47	1093.84	993.19	904.82	811.77	708.18	584.11	482.87	382.21
90.0	1045.21	947.54	858.64	755.47	625.61	524.60	428.97	310.34	219.17
135.0	1097.94	994.94	881.41	774.31	678.33	570.65	444.24	347.68	301.45
180.0	980.31	894.28	772.56	663.12	554.85	448.93	326.03	302.62	302.62
225.0	861.39	756.81	617.47	516.64	391.16	295.66	209.57	137.64	77.02
270.0	1020.69	904.23	802.99	690.62	560.70	457.70	334.22	310.23	310.23
315.0	952.80	859.64	764.36	626.48	527.35	426.69	331.94	241.35	144.55
360.0	1052.53	956.32	867.42	746.81	646.26	537.00	438.74	318.89	225.49
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	146.48	90.24	61.80	55.83	50.80	46.58	43.83	41.38	39.80
45.0	310.23	310.23	105.05	63.56	56.83	50.10	46.64	43.66	41.61
90.0	127.05	76.02	60.10	52.90	48.57	45.41	42.78	40.91	39.03
135.0	301.45	89.54	64.78	57.94	51.32	47.64	44.48	41.96	40.38
180.0	95.33	65.14	58.99	53.61	49.51	45.41	43.07	40.91	39.15
225.0	61.27	55.54	50.56	46.29	43.42	41.43	39.91	37.98	36.46
270.0	100.25	61.80	55.42	50.56	46.12	43.31	41.26	39.74	38.33
315.0	89.31	63.38	55.25	50.27	46.88	43.37	41.43	39.44	37.86
360.0	146.48	90.24	61.80	55.83	50.80	46.58	43.83	41.38	39.80

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	38.16	36.52	34.65	33.36	32.13	31.08	29.85	28.85	27.86
45.0	39.68	38.04	36.52	35.05	33.36	32.13	31.08	29.85	28.85
90.0	37.51	35.99	34.53	32.83	31.78	30.55	29.61	28.62	27.39
135.0	38.27	36.69	35.17	33.77	32.54	31.13	30.20	29.20	28.27
180.0	37.51	35.58	34.12	32.83	31.72	30.43	29.44	28.32	27.15
225.0	34.94	33.24	32.07	31.08	29.96	28.97	27.68	26.51	25.34
270.0	36.46	35.11	33.71	32.25	31.19	30.02	29.09	28.09	26.80
315.0	36.40	34.94	33.30	32.19	31.08	30.14	28.91	27.92	26.80
360.0	38.16	36.52	34.65	33.36	32.13	31.08	29.85	28.85	27.86
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.34	25.16	23.99	22.77	21.89	21.07	20.07	19.31	18.73
45.0	27.92	26.51	25.34	23.88	22.88	22.00	21.13	20.37	19.55
90.0	26.34	25.16	23.94	22.77	21.95	21.13	20.42	19.43	18.84
135.0	26.92	25.69	24.17	23.23	22.36	21.24	20.42	19.66	18.96
180.0	25.69	24.46	23.47	22.24	21.48	20.54	19.72	19.02	18.49
225.0	24.17	22.82	21.95	21.13	20.37	19.61	18.84	18.49	17.97
270.0	25.69	24.46	23.41	22.24	21.48	20.66	19.90	19.08	18.61
315.0	25.63	24.11	23.06	22.00	21.13	20.42	19.43	18.79	18.32
360.0	26.34	25.16	23.99	22.77	21.89	21.07	20.07	19.31	18.73
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.32	17.91	17.32	16.44	15.63	15.39	15.27	15.22	15.10
45.0	18.84	18.38	18.02	17.38	16.56	15.68	15.27	15.16	15.04
90.0	18.38	17.85	17.26	16.50	15.63	15.51	15.45	15.45	15.39
135.0	18.43	18.14	17.56	16.74	15.86	15.45	15.39	15.33	15.33
180.0	18.02	17.56	16.80	15.98	15.45	15.33	15.27	15.22	15.16
225.0	17.44	16.56	15.63	15.39	15.27	15.16	15.16	15.04	14.92
270.0	18.20	17.62	16.80	15.68	15.33	15.22	15.10	15.04	14.98
315.0	17.85	17.15	16.21	15.39	15.10	14.98	14.92	14.92	14.81
360.0	18.32	17.91	17.32	16.44	15.63	15.39	15.27	15.22	15.10
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.92	14.75	14.51	14.40	14.10	13.81	13.40	12.99	12.47
45.0	15.04	14.98	14.81	14.69	14.57	14.34	13.99	13.64	13.28
90.0	15.33	15.22	15.10	14.98	14.75	14.34	14.05	13.58	12.93
135.0	15.27	15.16	15.10	14.98	14.75	14.40	14.10	13.58	13.11
180.0	15.04	14.86	14.75	14.57	14.10	13.75	13.34	12.76	12.29
225.0	14.81	14.69	14.40	14.10	13.64	13.23	12.82	12.29	11.88
270.0	14.81	14.69	14.51	14.28	13.99	13.58	13.17	12.76	12.17
315.0	14.63	14.57	14.34	14.10	13.64	13.28	12.87	12.47	11.88
360.0	14.92	14.75	14.51	14.40	14.10	13.81	13.40	12.99	12.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.00	11.47	11.06	10.36	9.48	8.78	8.37	8.19	8.02
45.0	12.87	12.35	11.88	11.29	10.30	9.13	8.60	8.43	8.25
90.0	12.41	11.76	11.00	10.01	9.13	8.60	8.43	8.25	8.08
135.0	12.58	11.94	11.12	10.30	9.25	8.72	8.49	8.31	8.08
180.0	11.76	11.00	10.12	9.31	8.66	8.43	8.25	8.08	7.96
225.0	11.18	10.24	9.19	8.66	8.37	8.19	8.02	8.02	7.96
270.0	11.88	11.59	10.94	10.12	9.66	8.43	8.25	8.08	8.02
315.0	11.47	11.06	10.71	9.54	8.95	8.43	8.19	8.08	8.02
360.0	12.00	11.47	11.06	10.36	9.48	8.78	8.37	8.19	8.02

Intensity data(cd)

<i>C/γ(°)</i>	<b>90.0</b>
<b>0.0</b>	<b>7.96</b>
<b>45.0</b>	<b>8.02</b>
<b>90.0</b>	<b>7.96</b>
<b>135.0</b>	<b>8.02</b>
<b>180.0</b>	<b>7.96</b>
<b>225.0</b>	<b>8.02</b>
<b>270.0</b>	<b>8.02</b>
<b>315.0</b>	<b>8.02</b>
<b>360.0</b>	<b>7.96</b>