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NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.412.00

Report No: 2024302-B006

Ballast type: AC

Test No: 2024302-C006

Voltage(V): 34.120

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.083

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2149.34, Efficiency(%): 83.47% , Luminous Efficacy(lm/W): 118.86

Central intensity(cd): 4849.233, Maximum intensity(cd): 4849.233

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

Beam Angle(50%Imax): [C0/180]Total=35.8

[C90/270]Total=35.8

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

Maximum s/h(1/2): C0\_180=0.59 C90\_270=0.59

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(%): 83.47%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.588%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/02  
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	4849.233	0.000	0	0.00%	0.00%
1.0	4840.747	4.636	4.636	0.18%	0.22%
2.0	4818.582	13.864	18.5	0.54%	0.86%
3.0	4784.273	22.967	41.467	0.89%	1.93%
4.0	4729.115	31.844	73.312	1.24%	3.41%
5.0	4660.352	40.393	113.705	1.57%	5.29%
6.0	4570.593	48.511	162.216	1.88%	7.55%
7.0	4453.036	56.010	218.225	2.18%	10.15%
8.0	4318.800	62.778	281.004	2.44%	13.07%
9.0	4157.863	68.699	349.702	2.67%	16.27%
10.0	3990.196	73.737	423.439	2.86%	19.70%
11.0	3806.508	77.905	501.344	3.03%	23.33%
12.0	3616.822	81.148	582.492	3.15%	27.10%
13.0	3415.944	83.461	665.953	3.24%	30.98%
14.0	3212.432	84.843	750.796	3.29%	34.93%
15.0	3017.698	85.530	836.326	3.32%	38.91%
16.0	2809.797	85.389	921.715	3.32%	42.88%
17.0	2614.551	84.472	1006.187	3.28%	46.81%
18.0	2404.748	82.757	1088.944	3.21%	50.66%
19.0	2228.303	80.606	1169.55	3.13%	54.41%
20.0	2047.468	78.258	1247.808	3.04%	58.06%
21.0	1867.146	75.169	1322.977	2.92%	61.55%
22.0	1697.284	71.629	1394.605	2.78%	64.89%
23.0	1523.575	67.582	1462.188	2.62%	68.03%
24.0	1413.099	64.206	1526.394	2.49%	71.02%
25.0	1252.667	60.614	1587.008	2.35%	73.84%
26.0	1146.522	56.633	1643.641	2.20%	76.47%
27.0	1046.148	53.644	1697.285	2.08%	78.97%
28.0	943.002	50.361	1747.646	1.96%	81.31%
29.0	839.659	46.639	1794.285	1.81%	83.48%
30.0	734.274	42.496	1836.781	1.65%	85.46%
31.0	623.104	37.774	1874.555	1.47%	87.22%
32.0	523.476	32.848	1907.403	1.28%	88.74%
33.0	424.851	27.938	1935.341	1.08%	90.04%
34.0	339.204	23.123	1958.464	0.90%	91.12%
35.0	277.580	19.155	1977.619	0.74%	92.01%
36.0	189.752	14.880	1992.499	0.58%	92.70%
37.0	156.562	11.295	2003.794	0.44%	93.23%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	118.259	9.173	2012.967	0.36%	93.66%
39.0	84.411	6.918	2019.885	0.27%	93.98%
40.0	74.858	5.555	2025.439	0.22%	94.24%
41.0	68.654	5.110	2030.55	0.20%	94.47%
42.0	63.438	4.799	2035.349	0.19%	94.70%
43.0	59.283	4.546	2039.895	0.18%	94.91%
44.0	55.516	4.333	2044.228	0.17%	95.11%
45.0	52.400	4.147	2048.375	0.16%	95.30%
46.0	49.488	3.985	2052.36	0.15%	95.49%
47.0	47.052	3.840	2056.199	0.15%	95.67%
48.0	44.887	3.717	2059.916	0.14%	95.84%
49.0	42.919	3.606	2063.522	0.14%	96.01%
50.0	41.229	3.508	2067.03	0.14%	96.17%
51.0	39.715	3.425	2070.455	0.13%	96.33%
52.0	38.288	3.347	2073.802	0.13%	96.49%
53.0	37.023	3.276	2077.078	0.13%	96.64%
54.0	35.545	3.198	2080.276	0.12%	96.79%
55.0	34.206	3.114	2083.39	0.12%	96.93%
56.0	32.765	3.026	2086.416	0.12%	97.07%
57.0	31.353	2.932	2089.348	0.11%	97.21%
58.0	29.773	2.827	2092.175	0.11%	97.34%
59.0	28.383	2.719	2094.894	0.11%	97.47%
60.0	26.972	2.615	2097.509	0.10%	97.59%
61.0	25.757	2.516	2100.025	0.10%	97.71%
62.0	24.653	2.429	2102.454	0.09%	97.82%
63.0	23.555	2.345	2104.799	0.09%	97.93%
64.0	22.619	2.266	2107.064	0.09%	98.03%
65.0	21.756	2.196	2109.26	0.09%	98.14%
66.0	21.002	2.133	2111.394	0.08%	98.23%
67.0	20.476	2.086	2113.479	0.08%	98.33%
68.0	20.066	2.054	2115.533	0.08%	98.43%
69.0	19.751	2.031	2117.564	0.08%	98.52%
70.0	19.473	2.015	2119.579	0.08%	98.62%
71.0	19.203	1.999	2121.578	0.08%	98.71%
72.0	18.713	1.971	2123.549	0.08%	98.80%
73.0	18.171	1.929	2125.478	0.07%	98.89%
74.0	17.608	1.881	2127.359	0.07%	98.98%
75.0	17.125	1.835	2129.194	0.07%	99.06%

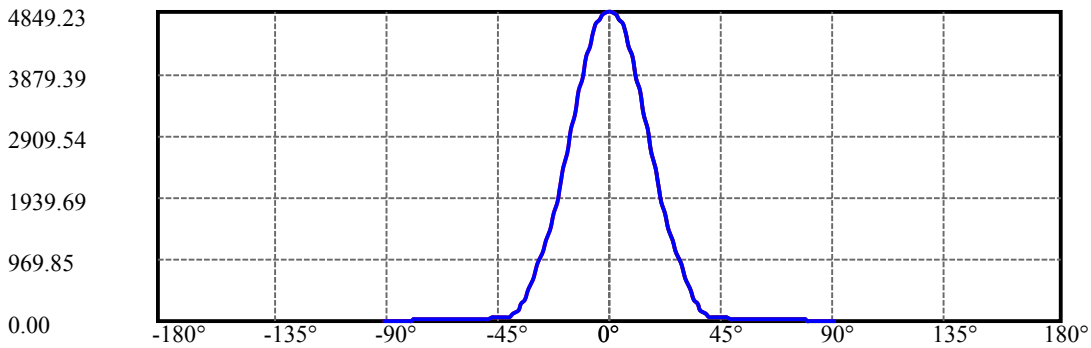
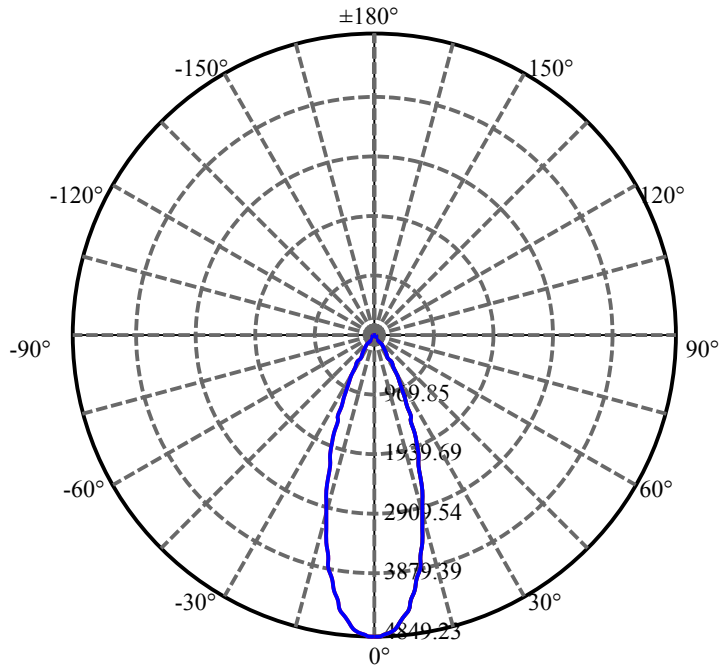
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.584	1.789	2130.984	0.07%	99.15%
77.0	16.072	1.741	2132.725	0.07%	99.23%
78.0	15.516	1.691	2134.416	0.07%	99.31%
79.0	14.835	1.631	2136.046	0.06%	99.38%
80.0	13.950	1.552	2137.598	0.06%	99.45%
81.0	12.955	1.455	2139.053	0.06%	99.52%
82.0	11.997	1.353	2140.406	0.05%	99.58%
83.0	11.192	1.261	2141.667	0.05%	99.64%
84.0	10.783	1.197	2142.864	0.05%	99.70%
85.0	10.388	1.155	2144.02	0.04%	99.75%
86.0	9.985	1.114	2145.133	0.04%	99.80%
87.0	9.722	1.079	2146.212	0.04%	99.85%
88.0	9.503	1.053	2147.265	0.04%	99.90%
89.0	9.473	1.040	2148.305	0.04%	99.95%
90.0	9.400	1.035	2149.34	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1836.78	71.33%	85.46%
0-40	2025.44	78.66%	94.24%
0-60	2097.51	81.46%	97.59%
0-90	2148.31	83.43%	99.95%
0-120	2148.31	83.43%	99.95%
0-180	2149.34	83.47%	100.00%
60-90	50.80	1.97%	2.36%
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%
0-27.44	1719.47	66.78%	80.00%

ZONAL LUMEN SUMMARY

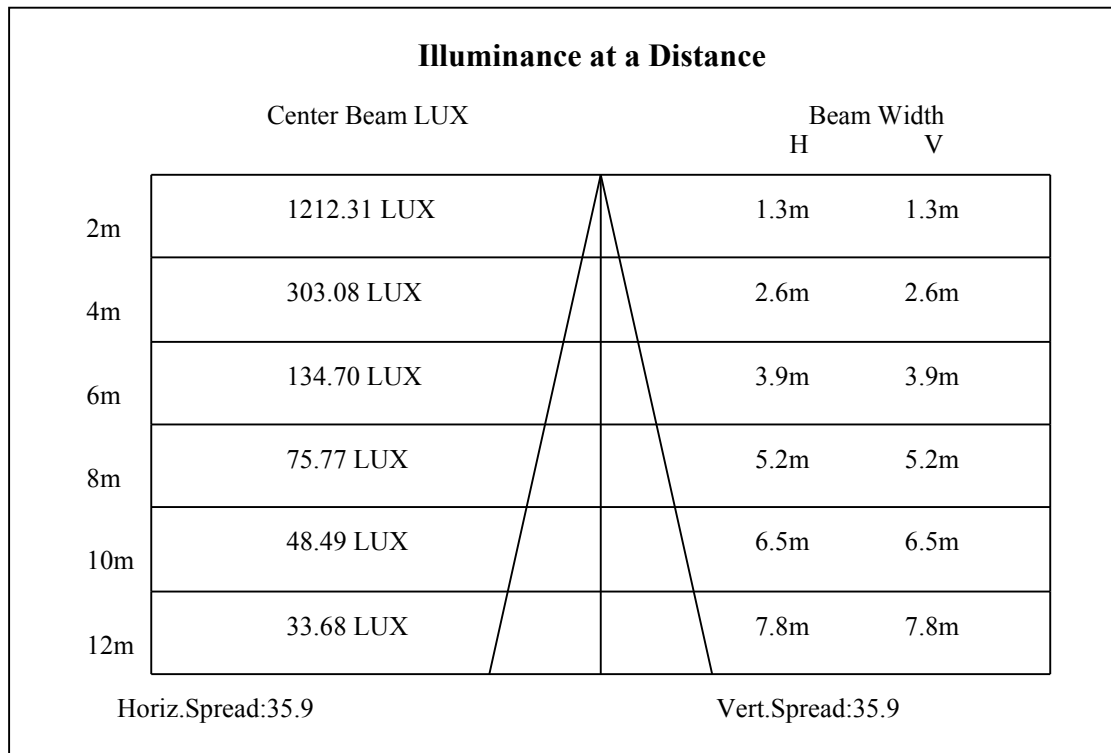
0-10	423.44
10-20	824.37
20-30	588.97
30-40	188.66
40-50	41.59
50-60	30.48
60-70	22.07
70-80	18.02
80-90	10.71
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

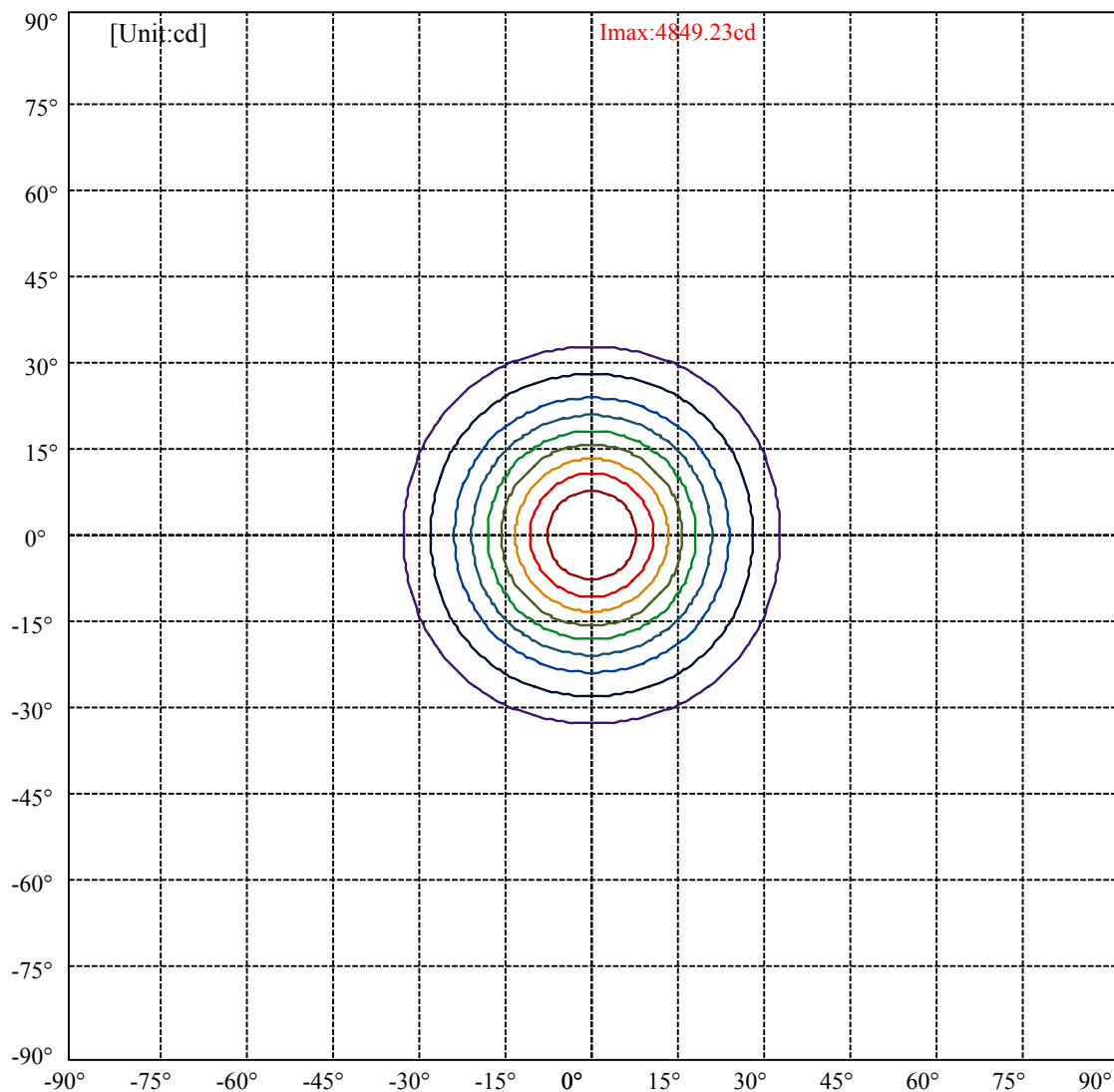


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:32.4 Right:32.4  
:C90/270Left:32.4 Right:32.4

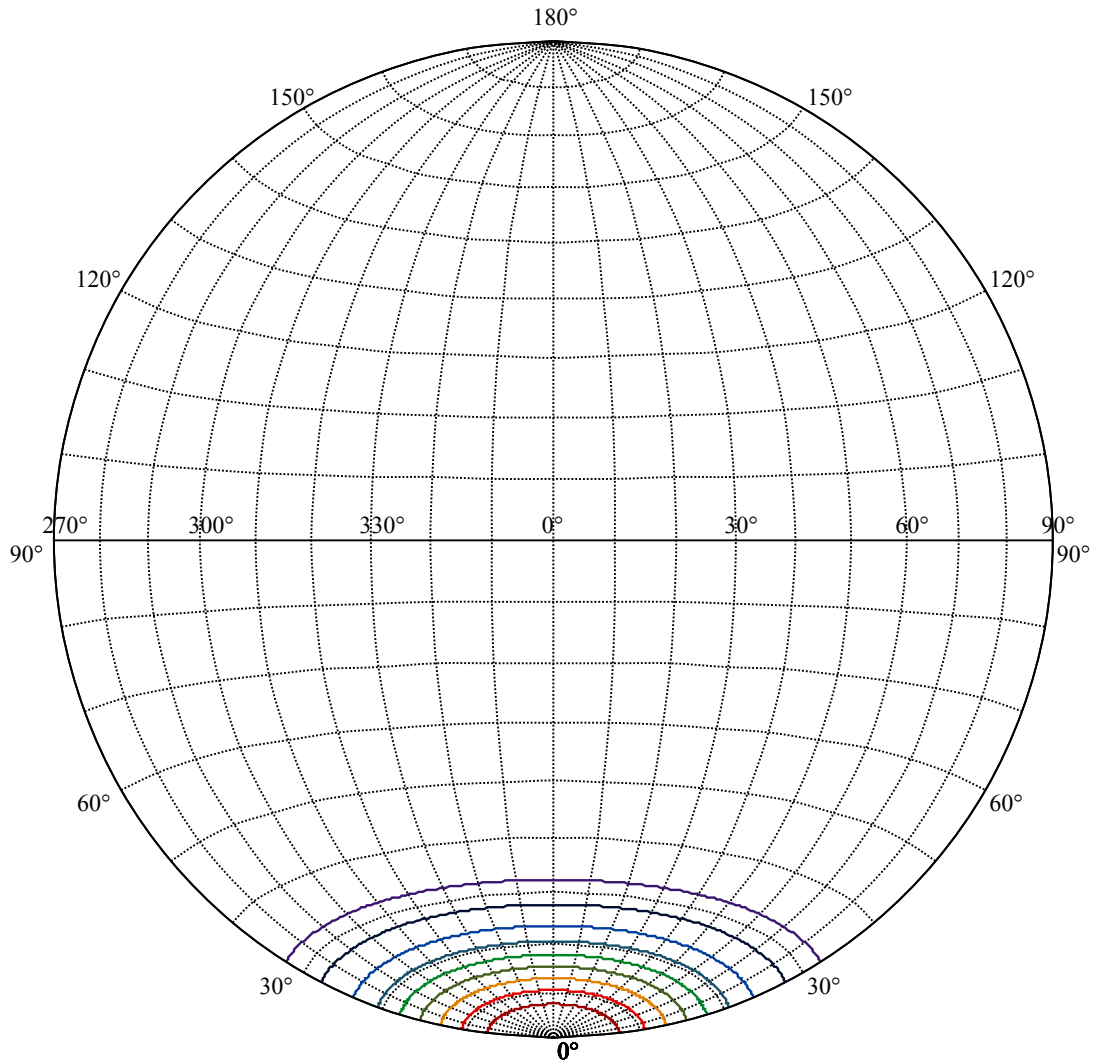
Beam Angle(50%Imax):C0/180Left:17.9 Right:17.9  
:C90/270Left:17.9 Right:17.9





(10%I <sub>max</sub> ) 484.923	—
(20%I <sub>max</sub> ) 969.847	—
(30%I <sub>max</sub> ) 1454.77	—
(40%I <sub>max</sub> ) 1939.69	—
(50%I <sub>max</sub> ) 2424.62	—
(60%I <sub>max</sub> ) 2909.54	—
(70%I <sub>max</sub> ) 3394.46	—
(80%I <sub>max</sub> ) 3879.39	—
(90%I <sub>max</sub> ) 4364.31	—





House

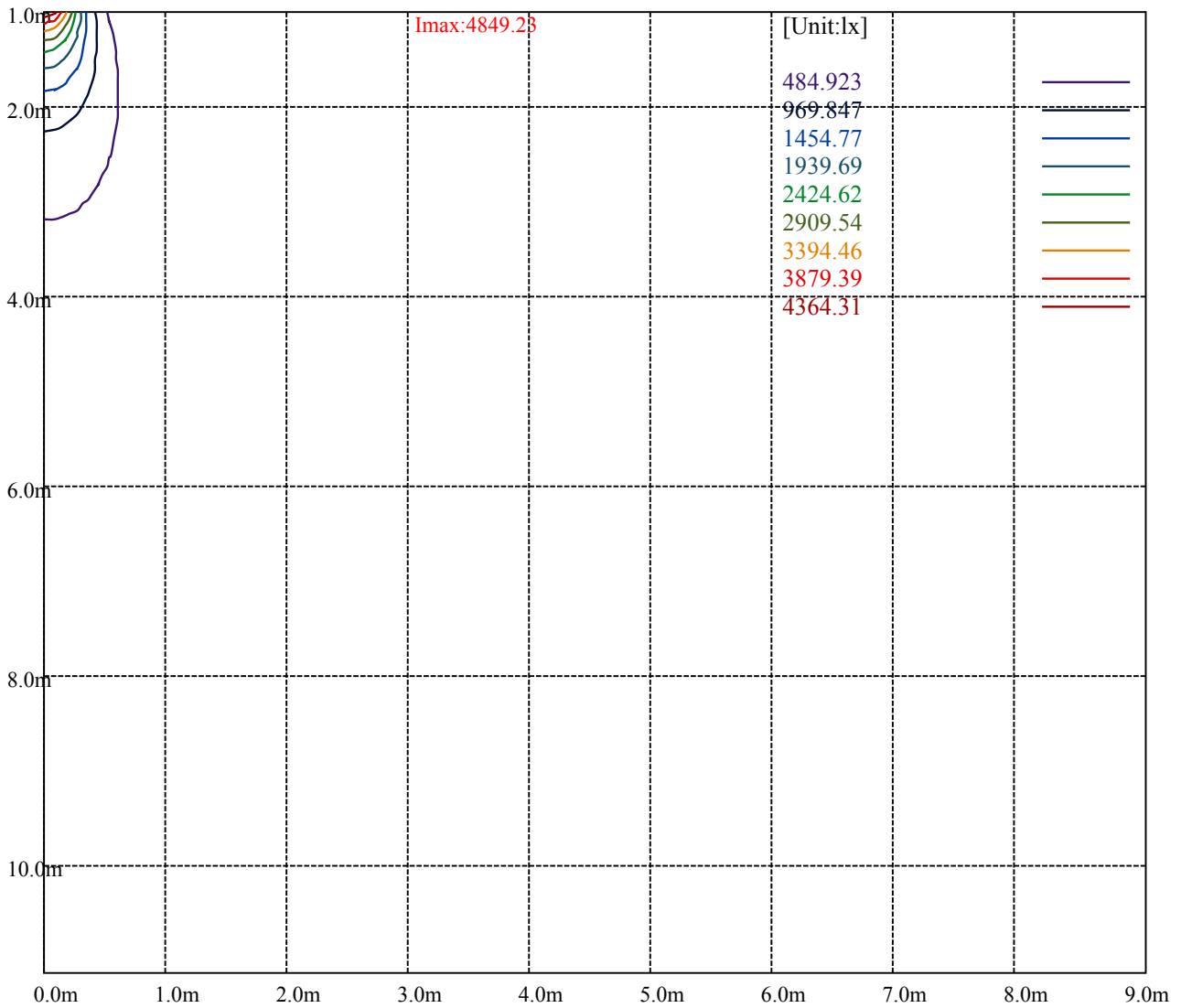
[Unit:cd]

Road

Imax:4849.23

(10%Imax)	484.923	—
(20%Imax)	969.847	—
(30%Imax)	1454.77	—
(40%Imax)	1939.69	—
(50%Imax)	2424.62	—
(60%Imax)	2909.54	—
(70%Imax)	3394.46	—
(80%Imax)	3879.39	—
(90%Imax)	4364.31	—





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

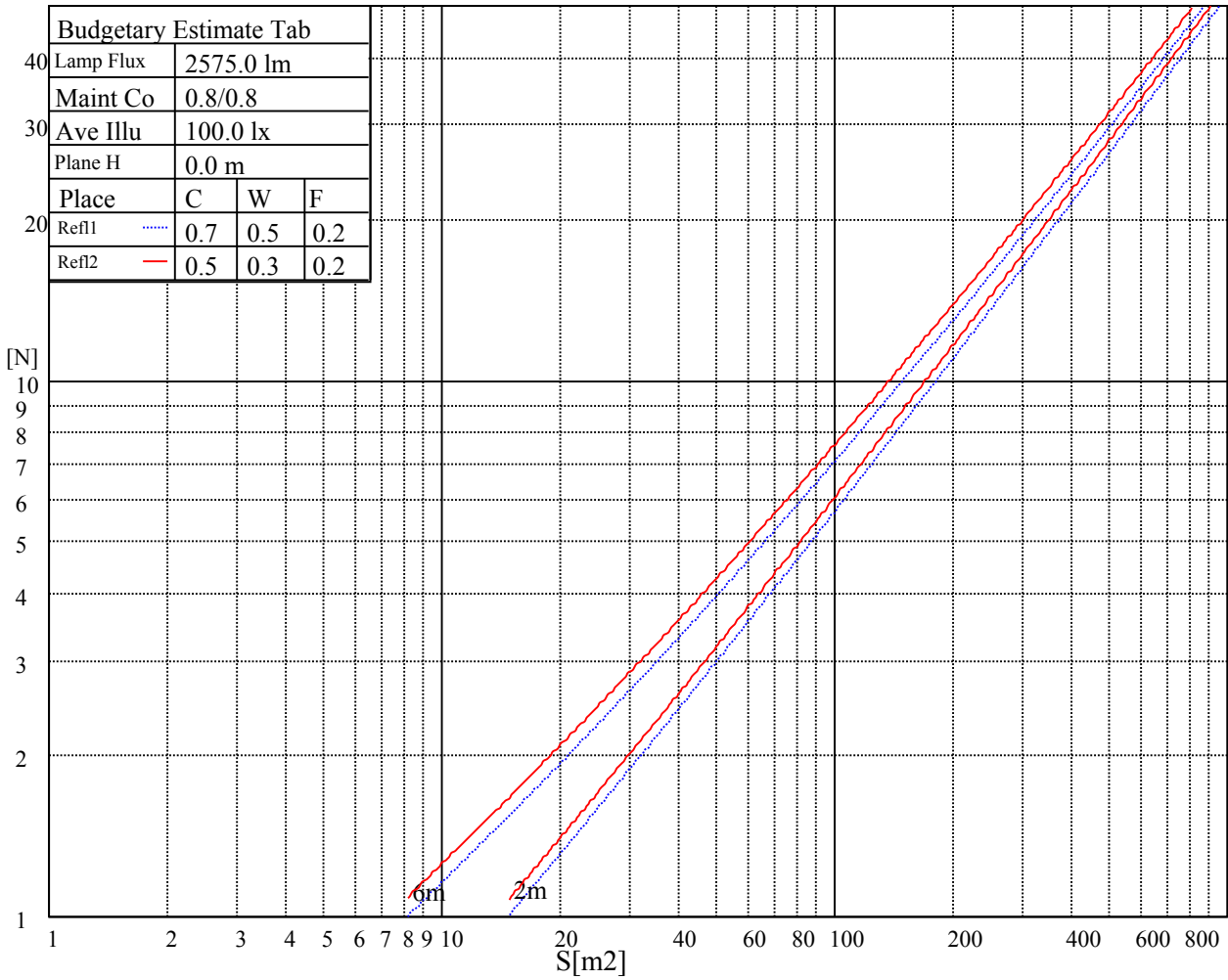
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

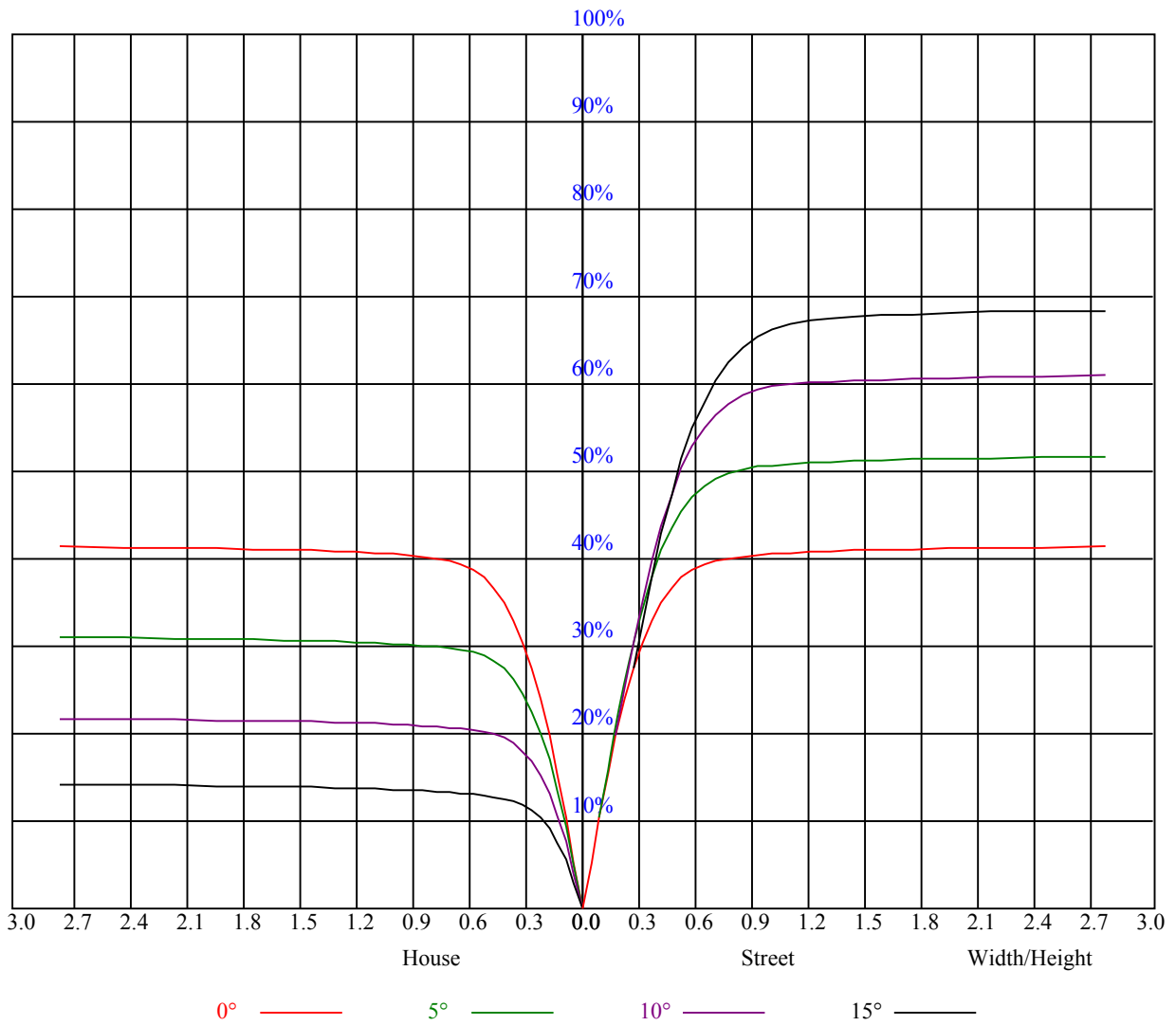


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

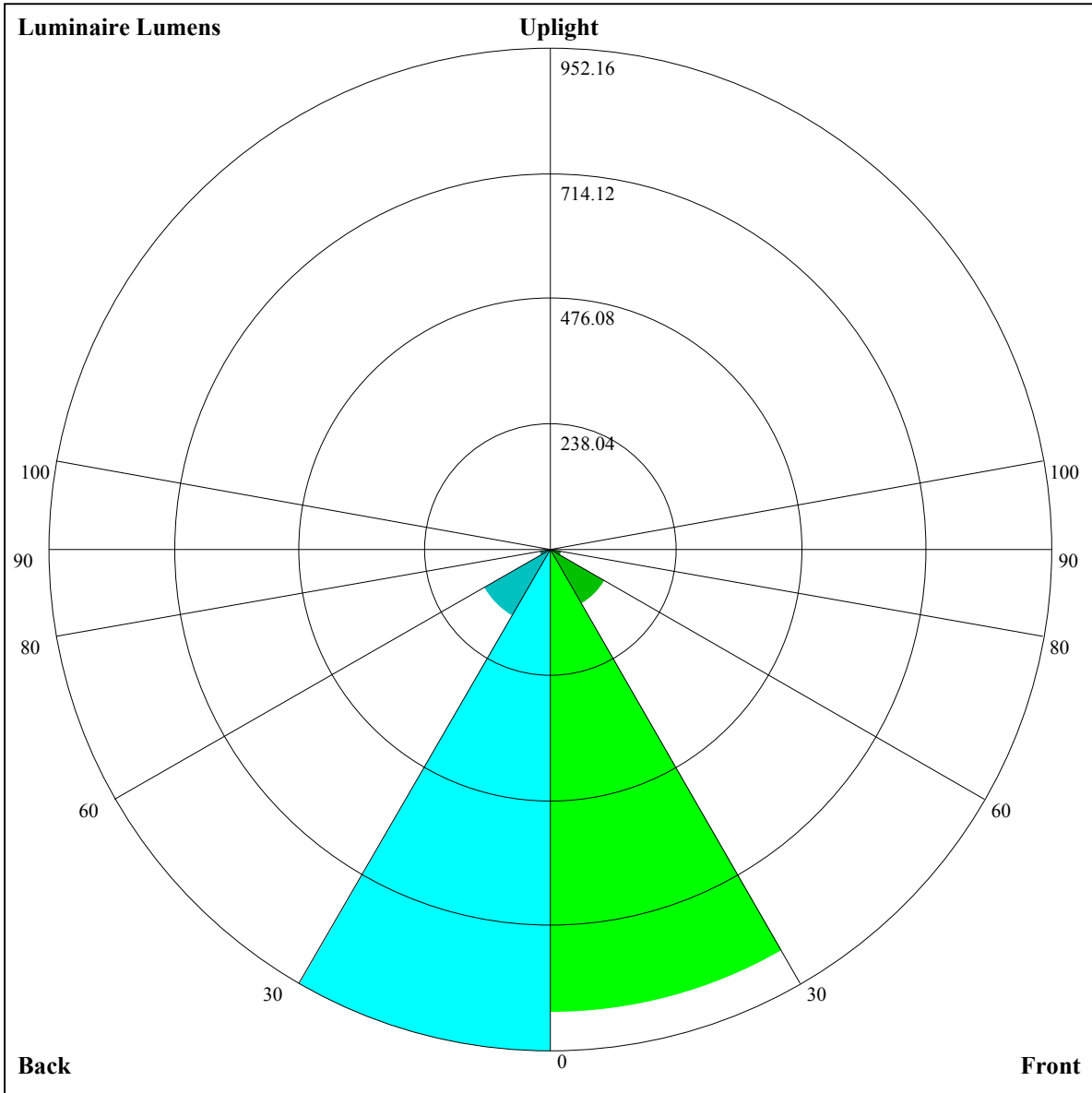
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
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	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.71	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	0.60	0.67	0.63	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	0.62	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	0.58	0.54	0.52	0.57	0.54	0.52	0.51







Luminaire Lumens:  
FL=880.3,FM=120.92,FH=20.61,FVH=5.88  
BL=952.16,BM=145.24,BH=20.94,BVH=6  
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	4831.68	4784.27	4739.21	4675.42	4571.84	4467.08	4338.92	4156.91	3994.22
45.0	4855.09	4832.85	4792.47	4739.80	4678.35	4598.17	4466.50	4338.92	4191.44
90.0	4837.53	4801.24	4746.82	4688.30	4614.56	4483.47	4362.91	4216.60	4058.59
135.0	4872.64	4863.28	4832.26	4795.39	4738.04	4673.67	4582.96	4441.33	4308.48
180.0	4831.68	4853.91	4868.55	4868.55	4839.28	4807.68	4758.52	4701.76	4598.76
225.0	4855.09	4869.72	4858.01	4836.36	4802.41	4757.35	4681.27	4596.42	4486.98
270.0	4837.53	4858.60	4869.13	4856.84	4820.56	4781.93	4735.70	4674.84	4548.43
315.0	4872.64	4862.11	4842.21	4813.53	4767.89	4713.46	4637.97	4497.51	4363.50
360.0	4831.68	4784.27	4739.21	4675.42	4571.84	4467.08	4338.92	4156.91	3994.22
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3817.48	3586.90	3394.95	3198.90	2965.39	2781.63	2593.78	2412.36	2237.96
45.0	3994.22	3826.84	3650.11	3421.28	3235.18	3049.08	2863.56	2627.72	2442.20
90.0	3843.82	3663.57	3482.15	3297.80	3067.81	2879.37	2692.09	2462.69	2287.12
135.0	4156.33	3998.32	3785.29	3602.70	3370.37	3180.17	2988.22	2743.01	2555.74
180.0	4489.90	4371.69	4193.78	4036.36	3863.13	3634.31	3441.77	3251.57	2998.75
225.0	4320.77	4174.47	3969.64	3792.90	3609.73	3379.73	3191.88	2997.58	2806.21
270.0	4428.46	4292.10	4141.70	3931.60	3749.01	3563.49	3328.82	3134.52	2936.72
315.0	4211.92	4007.68	3834.45	3653.03	3466.93	3231.67	3041.47	2848.93	2651.71
360.0	3817.48	3586.90	3394.95	3198.90	2965.39	2781.63	2593.78	2412.36	2237.96
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2029.03	1871.02	1723.55	1552.66	1327.35	1166.59	1139.55	1043.05	929.63
45.0	2266.05	2094.58	1895.02	1744.03	1607.09	1443.81	1315.64	1160.56	1062.24
90.0	2075.27	1914.91	1765.68	1619.96	1453.76	1164.71	1164.71	1088.58	981.36
135.0	2376.66	2206.94	2000.94	1844.69	1700.72	1563.19	1397.58	1269.41	1148.86
180.0	2816.75	2625.38	2429.91	2204.60	2034.30	1872.78	1721.21	1550.90	1423.33
225.0	2563.93	2375.49	2196.99	2024.35	1825.38	1677.31	1539.20	1317.99	1161.14
270.0	2695.02	2504.82	2308.19	2086.97	1917.26	1759.83	1615.86	1448.49	1323.25
315.0	2415.28	2233.28	2059.47	1859.90	1712.43	1540.37	1411.04	1142.36	1142.36
360.0	2029.03	1871.02	1723.55	1552.66	1327.35	1166.59	1139.55	1043.05	929.63
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	828.21	721.93	621.22	524.54	411.35	327.73	250.07	163.63	114.24
45.0	973.29	875.56	739.20	639.12	540.22	448.34	340.66	301.45	301.45
90.0	882.81	778.82	678.10	577.03	460.05	373.61	273.48	202.31	141.68
135.0	1029.47	935.83	835.17	701.74	601.67	506.28	394.50	311.98	311.98
180.0	1271.17	1153.54	1056.39	947.54	848.63	739.78	635.03	514.47	424.93
225.0	1134.87	1018.00	930.68	829.32	696.30	595.70	500.37	412.76	307.36
270.0	1202.11	1097.94	992.01	896.62	794.79	662.53	564.22	451.85	364.07
315.0	1047.26	962.40	864.49	758.28	631.81	533.84	440.50	355.17	254.92
360.0	828.21	721.93	621.22	524.54	411.35	327.73	250.07	163.63	114.24
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	90.42	79.71	72.63	67.07	61.27	57.41	54.02	50.21	47.52
45.0	127.93	90.77	82.17	73.33	68.00	63.44	58.76	55.48	52.49
90.0	95.33	85.38	77.60	70.40	65.78	61.68	58.17	54.19	51.44
135.0	149.00	104.46	88.95	80.82	74.27	67.83	63.38	59.69	55.60
180.0	339.49	298.52	298.52	116.34	89.60	79.06	72.45	66.95	61.45
225.0	229.58	163.45	103.99	87.49	79.53	72.98	65.95	61.92	58.35
270.0	301.45	301.45	130.27	96.27	85.85	77.95	70.52	65.72	61.57
315.0	184.81	128.75	91.94	83.57	74.56	68.88	64.26	60.10	55.71
360.0	90.42	79.71	72.63	67.07	61.27	57.41	54.02	50.21	47.52

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	45.24	42.66	41.08	39.56	38.22	36.64	35.46	34.35	33.24
45.0	49.22	46.99	44.95	43.19	41.32	39.97	38.68	37.51	36.11
90.0	49.10	46.88	44.54	42.78	40.97	39.74	38.57	36.87	35.82
135.0	52.73	50.04	47.11	45.06	42.96	41.14	39.80	38.57	37.28
180.0	58.05	54.07	51.27	48.75	46.58	44.18	42.60	40.97	39.68
225.0	54.31	51.44	48.92	46.29	44.36	42.66	41.14	39.39	38.10
270.0	58.00	53.96	51.15	48.75	46.00	44.13	41.96	40.50	39.15
315.0	52.55	49.86	47.40	44.71	42.96	41.38	39.50	38.16	36.81
360.0	45.24	42.66	41.08	39.56	38.22	36.64	35.46	34.35	33.24
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.54	30.20	28.56	27.21	25.98	24.70	23.23	22.30	21.42
45.0	34.88	33.65	31.95	30.67	28.85	27.62	26.39	25.05	23.70
90.0	34.53	32.83	31.49	29.96	28.62	27.10	25.93	25.75	25.87
135.0	35.87	34.59	33.36	32.01	30.20	28.62	27.39	25.63	24.29
180.0	38.10	36.75	35.52	34.29	32.60	31.31	29.50	28.03	26.86
225.0	36.81	35.58	33.94	32.54	30.90	29.44	28.15	26.63	25.28
270.0	37.45	36.11	34.70	33.30	31.60	30.31	28.73	27.45	25.93
315.0	35.17	33.94	32.60	30.84	29.44	27.97	26.45	25.22	23.88
360.0	31.54	30.20	28.56	27.21	25.98	24.70	23.23	22.30	21.42
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.19	19.43	18.67	17.91	17.09	16.56	16.27	16.15	16.21
45.0	22.71	21.65	20.83	20.07	19.37	19.08	19.31	20.01	19.96
90.0	25.93	26.04	26.16	26.45	26.86	27.68	27.86	27.10	26.34
135.0	23.00	22.06	21.01	20.01	19.31	18.43	17.85	17.09	16.50
180.0	25.16	23.82	22.77	21.65	20.48	19.66	18.90	18.02	17.21
225.0	23.99	22.77	21.71	20.72	20.01	19.02	18.26	17.85	17.67
270.0	24.58	23.58	22.30	21.48	21.65	22.06	22.18	22.94	23.76
315.0	22.88	21.59	20.60	19.72	19.02	18.02	17.38	16.62	15.98
360.0	20.19	19.43	18.67	17.91	17.09	16.56	16.27	16.15	16.21
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.27	15.98	15.74	15.39	14.92	14.22	13.34	12.23	11.47
45.0	19.78	19.90	19.49	19.37	19.02	18.67	18.14	17.09	15.74
90.0	25.28	24.23	23.23	22.24	21.13	20.31	19.37	18.20	15.63
135.0	15.86	15.33	14.75	14.28	13.99	13.46	13.11	12.76	12.23
180.0	16.62	16.04	15.27	15.10	14.69	14.34	14.05	13.75	13.34
225.0	17.38	16.80	16.44	16.15	15.68	15.57	15.16	14.86	14.46
270.0	23.17	22.30	21.59	20.54	19.72	18.90	18.20	17.32	16.62
315.0	15.33	14.81	14.34	13.93	13.52	13.11	12.76	12.47	12.11
360.0	16.27	15.98	15.74	15.39	14.92	14.22	13.34	12.23	11.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.00	10.59	10.42	10.12	9.83	9.60	9.48	9.36	9.36
45.0	13.64	11.59	11.12	10.77	10.30	9.71	9.48	9.31	9.54
90.0	12.64	11.29	10.89	10.42	9.95	9.60	9.48	9.25	9.48
135.0	11.94	11.59	11.18	10.89	10.30	9.89	9.66	9.42	9.25
180.0	12.82	12.06	11.41	11.06	10.71	10.42	10.12	9.83	9.66
225.0	13.81	12.58	11.47	10.94	10.65	10.18	9.83	9.66	9.48
270.0	16.04	14.86	11.94	11.24	10.83	10.42	10.01	9.66	9.48
315.0	11.76	11.41	11.12	10.83	10.53	10.07	9.71	9.54	9.54
360.0	11.00	10.59	10.42	10.12	9.83	9.60	9.48	9.36	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.36
90.0	9.31
135.0	9.48
180.0	9.60
225.0	9.36
270.0	9.42
315.0	9.25
360.0	9.42