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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024301-B025

Ballast type: AC

Test No: 2024301-C025

Voltage(V): 33.970

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.004

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2118.29, Efficiency(%): 82.26% , Luminous Efficacy(lm/W): 117.66

Central intensity(cd): 5084.201, Maximum intensity(cd): 5084.786

Angle of maximum intensity: C=0.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=35.6

[C90/270]Total=35.6

Field angle(10%Imax): [C0/180]Total=61.4

[C90/270]Total=61.4

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.58 C90_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.26%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.841%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
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	5084.201	0.000	0	0.00%	0.00%
1.0	5084.786	4.866	4.866	0.19%	0.23%
2.0	5084.713	14.596	19.462	0.57%	0.92%
3.0	5072.716	24.293	43.755	0.94%	2.07%
4.0	5038.626	33.846	77.601	1.31%	3.66%
5.0	4976.958	43.087	120.688	1.67%	5.70%
6.0	4888.955	51.848	172.536	2.01%	8.15%
7.0	4763.717	59.914	232.45	2.33%	10.97%
8.0	4605.048	67.050	299.5	2.60%	14.14%
9.0	4432.333	73.243	372.743	2.84%	17.60%
10.0	4245.281	78.529	451.272	3.05%	21.30%
11.0	4050.620	82.893	534.165	3.22%	25.22%
12.0	3838.037	86.234	620.4	3.35%	29.29%
13.0	3622.382	88.536	708.936	3.44%	33.47%
14.0	3394.217	89.812	798.748	3.49%	37.71%
15.0	3174.831	90.183	888.931	3.50%	41.96%
16.0	2934.230	89.515	978.446	3.48%	46.19%
17.0	2713.966	87.958	1066.403	3.42%	50.34%
18.0	2495.897	85.899	1152.303	3.34%	54.40%
19.0	2287.045	83.213	1235.516	3.23%	58.33%
20.0	2074.096	79.821	1315.337	3.10%	62.09%
21.0	1886.166	76.045	1391.382	2.95%	65.68%
22.0	1657.152	71.204	1462.587	2.77%	69.05%
23.0	1497.693	66.197	1528.784	2.57%	72.17%
24.0	1341.680	62.079	1590.863	2.41%	75.10%
25.0	1177.992	57.292	1648.154	2.22%	77.81%
26.0	1055.980	52.733	1700.888	2.05%	80.30%
27.0	929.089	48.565	1749.453	1.89%	82.59%
28.0	803.785	43.873	1793.325	1.70%	84.66%
29.0	687.727	39.022	1832.348	1.52%	86.50%
30.0	577.976	34.174	1866.521	1.33%	88.11%
31.0	484.376	29.564	1896.085	1.15%	89.51%
32.0	401.962	25.393	1921.477	0.99%	90.71%
33.0	329.796	21.558	1943.035	0.84%	91.73%
34.0	277.777	18.387	1961.422	0.71%	92.59%
35.0	222.129	15.525	1976.948	0.60%	93.33%
36.0	181.420	12.849	1989.797	0.50%	93.93%
37.0	141.090	10.518	2000.315	0.41%	94.43%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	102.253	8.122	2008.438	0.32%	94.81%
39.0	82.034	6.290	2014.728	0.24%	95.11%
40.0	67.001	5.198	2019.926	0.20%	95.36%
41.0	56.591	4.401	2024.327	0.17%	95.56%
42.0	49.093	3.840	2028.166	0.15%	95.75%
43.0	43.629	3.435	2031.601	0.13%	95.91%
44.0	40.029	3.157	2034.759	0.12%	96.06%
45.0	37.264	2.970	2037.729	0.12%	96.20%
46.0	34.909	2.823	2040.552	0.11%	96.33%
47.0	33.102	2.705	2043.257	0.11%	96.46%
48.0	31.639	2.617	2045.874	0.10%	96.58%
49.0	30.212	2.540	2048.414	0.10%	96.70%
50.0	29.078	2.472	2050.886	0.10%	96.82%
51.0	27.893	2.410	2053.296	0.09%	96.93%
52.0	26.920	2.352	2055.648	0.09%	97.04%
53.0	25.969	2.301	2057.949	0.09%	97.15%
54.0	25.062	2.249	2060.198	0.09%	97.26%
55.0	24.141	2.196	2062.394	0.09%	97.36%
56.0	23.255	2.142	2064.536	0.08%	97.46%
57.0	22.392	2.087	2066.623	0.08%	97.56%
58.0	21.558	2.032	2068.656	0.08%	97.66%
59.0	20.702	1.976	2070.631	0.08%	97.75%
60.0	19.927	1.919	2072.551	0.07%	97.84%
61.0	19.210	1.868	2074.419	0.07%	97.93%
62.0	18.544	1.819	2076.238	0.07%	98.01%
63.0	18.040	1.779	2078.017	0.07%	98.10%
64.0	17.601	1.749	2079.766	0.07%	98.18%
65.0	17.191	1.722	2081.488	0.07%	98.26%
66.0	16.884	1.700	2083.188	0.07%	98.34%
67.0	16.686	1.688	2084.876	0.07%	98.42%
68.0	16.686	1.691	2086.566	0.07%	98.50%
69.0	16.701	1.703	2088.27	0.07%	98.58%
70.0	16.898	1.726	2089.995	0.07%	98.66%
71.0	17.220	1.763	2091.759	0.07%	98.75%
72.0	17.396	1.800	2093.559	0.07%	98.83%
73.0	17.410	1.820	2095.379	0.07%	98.92%
74.0	17.308	1.825	2097.204	0.07%	99.00%
75.0	16.913	1.808	2099.012	0.07%	99.09%

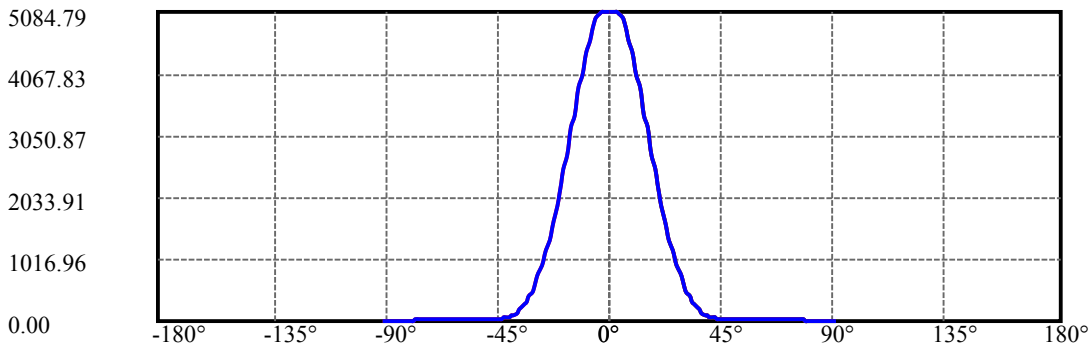
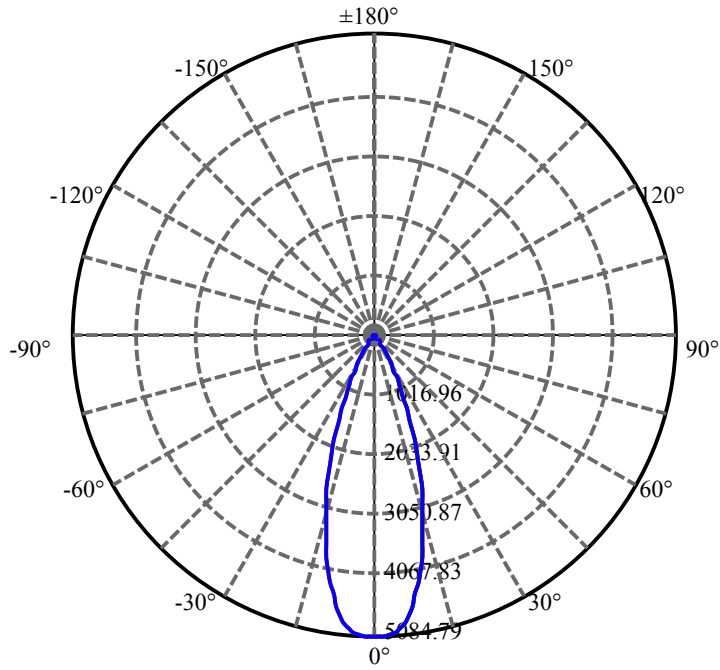
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.496	1.773	2100.785	0.07%	99.17%
77.0	15.794	1.722	2102.507	0.07%	99.25%
78.0	14.931	1.645	2104.152	0.06%	99.33%
79.0	13.672	1.537	2105.689	0.06%	99.40%
80.0	12.575	1.415	2107.104	0.05%	99.47%
81.0	11.814	1.319	2108.423	0.05%	99.53%
82.0	11.010	1.238	2109.66	0.05%	99.59%
83.0	10.600	1.175	2110.835	0.05%	99.65%
84.0	10.380	1.143	2111.978	0.04%	99.70%
85.0	10.081	1.117	2113.095	0.04%	99.75%
86.0	9.751	1.084	2114.179	0.04%	99.81%
87.0	9.503	1.054	2115.232	0.04%	99.86%
88.0	9.320	1.031	2116.263	0.04%	99.90%
89.0	9.247	1.018	2117.281	0.04%	99.95%
90.0	9.210	1.012	2118.293	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1866.52	72.49%	88.11%
0-40	2019.93	78.44%	95.36%
0-60	2072.55	80.49%	97.84%
0-90	2117.28	82.22%	99.95%
0-120	2117.28	82.22%	99.95%
0-180	2118.29	82.26%	100.00%
60-90	44.73	1.74%	2.11%
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%
0-25.88	1694.63	65.81%	80.00%

ZONAL LUMEN SUMMARY

0-10	451.27
10-20	864.06
20-30	551.18
30-40	153.40
40-50	30.96
50-60	21.67
60-70	17.44
70-80	17.11
80-90	10.18
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: —————

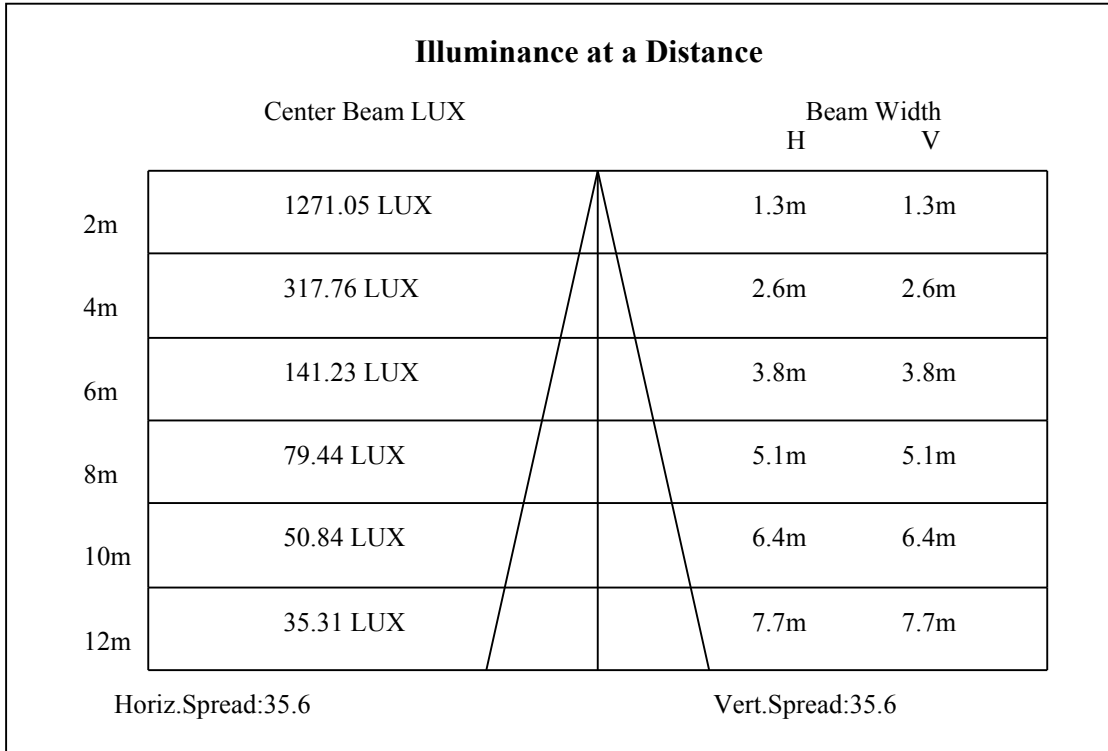
C90/C270: —————

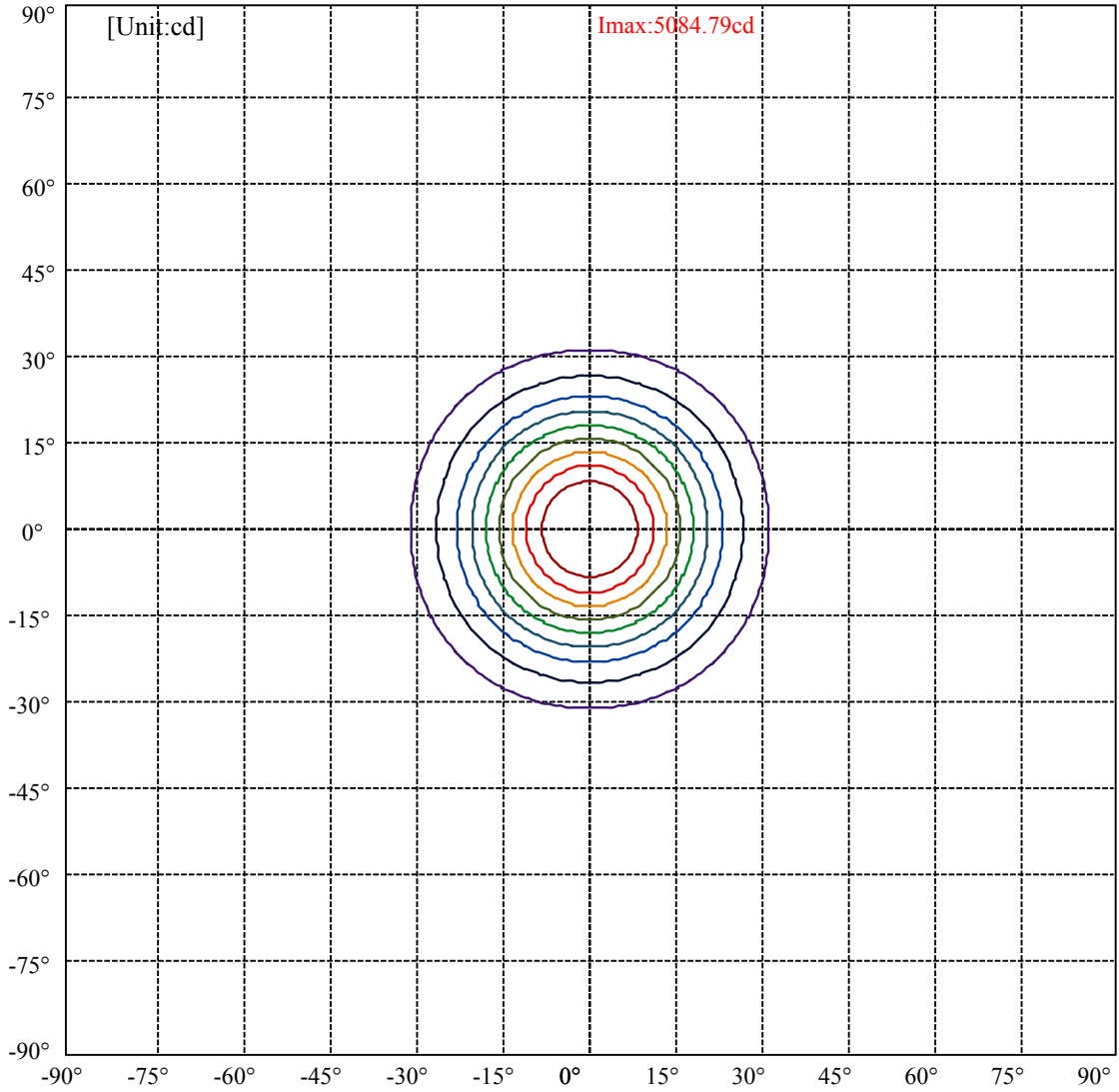
Field angle(10%Imax):C0/180Left:31.7 Right:29.7

:C90/270Left:31.7 Right:29.7

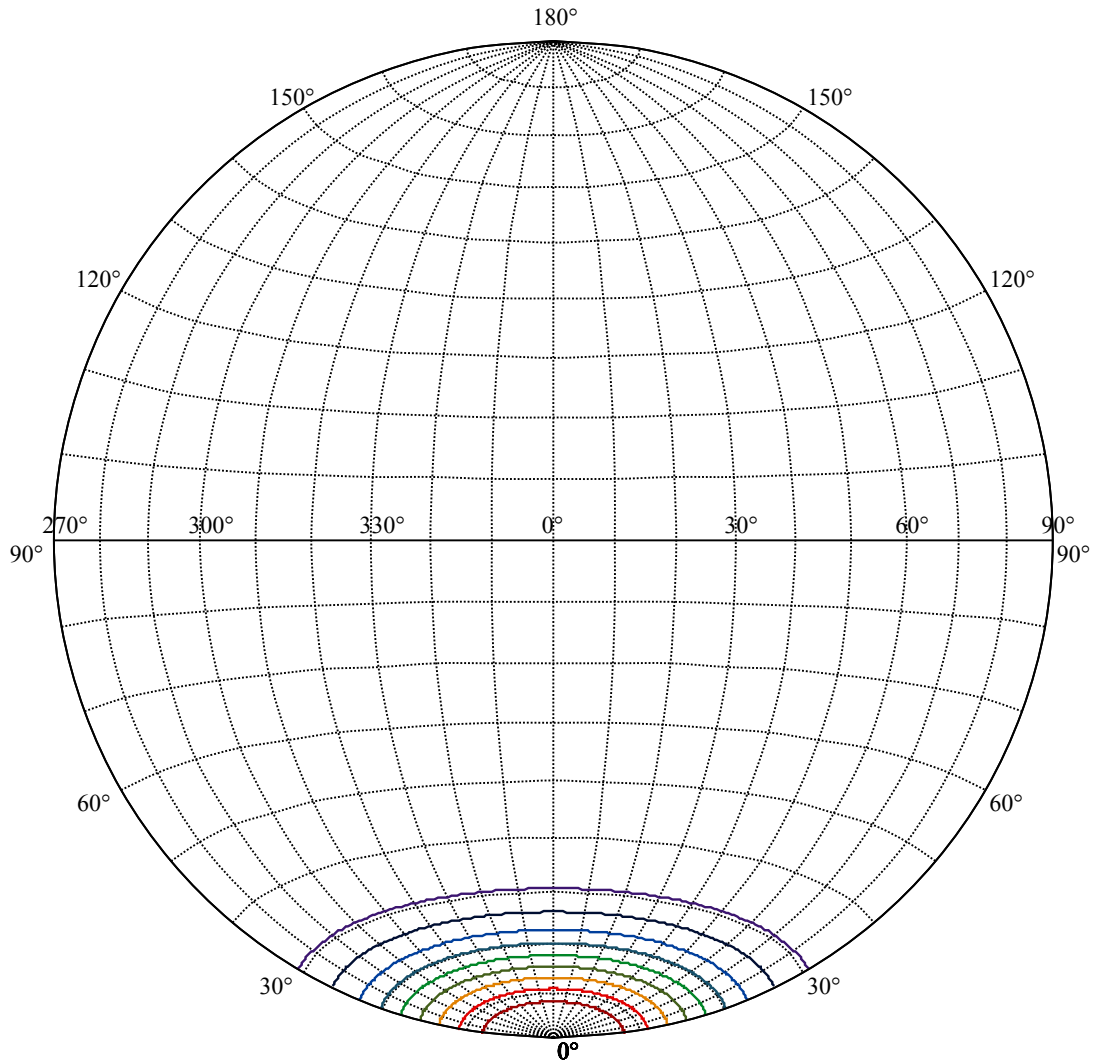
Beam Angle(50%Imax):C0/180Left:18.8 Right:16.8

:C90/270Left:18.8 Right:16.8





(10%Imax) 508.479	—
(20%Imax) 1016.96	—
(30%Imax) 1525.44	—
(40%Imax) 2033.91	—
(50%Imax) 2542.39	—
(60%Imax) 3050.87	—
(70%Imax) 3559.35	—
(80%Imax) 4067.83	—
(90%Imax) 4576.31	—



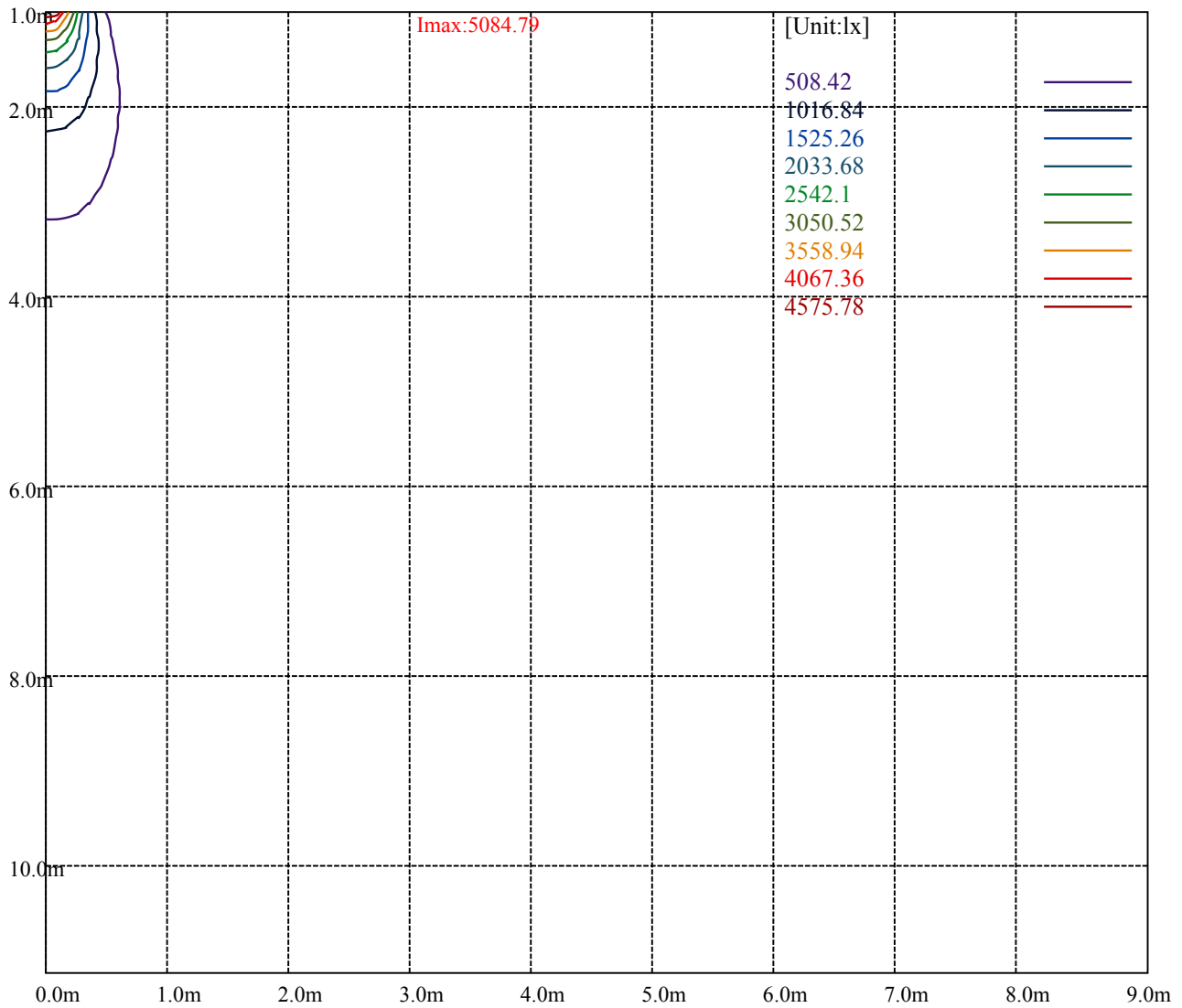
House

[Unit:cd]

Road

Imax:5084.79

(10%Imax) 508.479	—
(20%Imax) 1016.96	—
(30%Imax) 1525.44	—
(40%Imax) 2033.91	—
(50%Imax) 2542.39	—
(60%Imax) 3050.87	—
(70%Imax) 3559.35	—
(80%Imax) 4067.83	—
(90%Imax) 4576.31	—



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

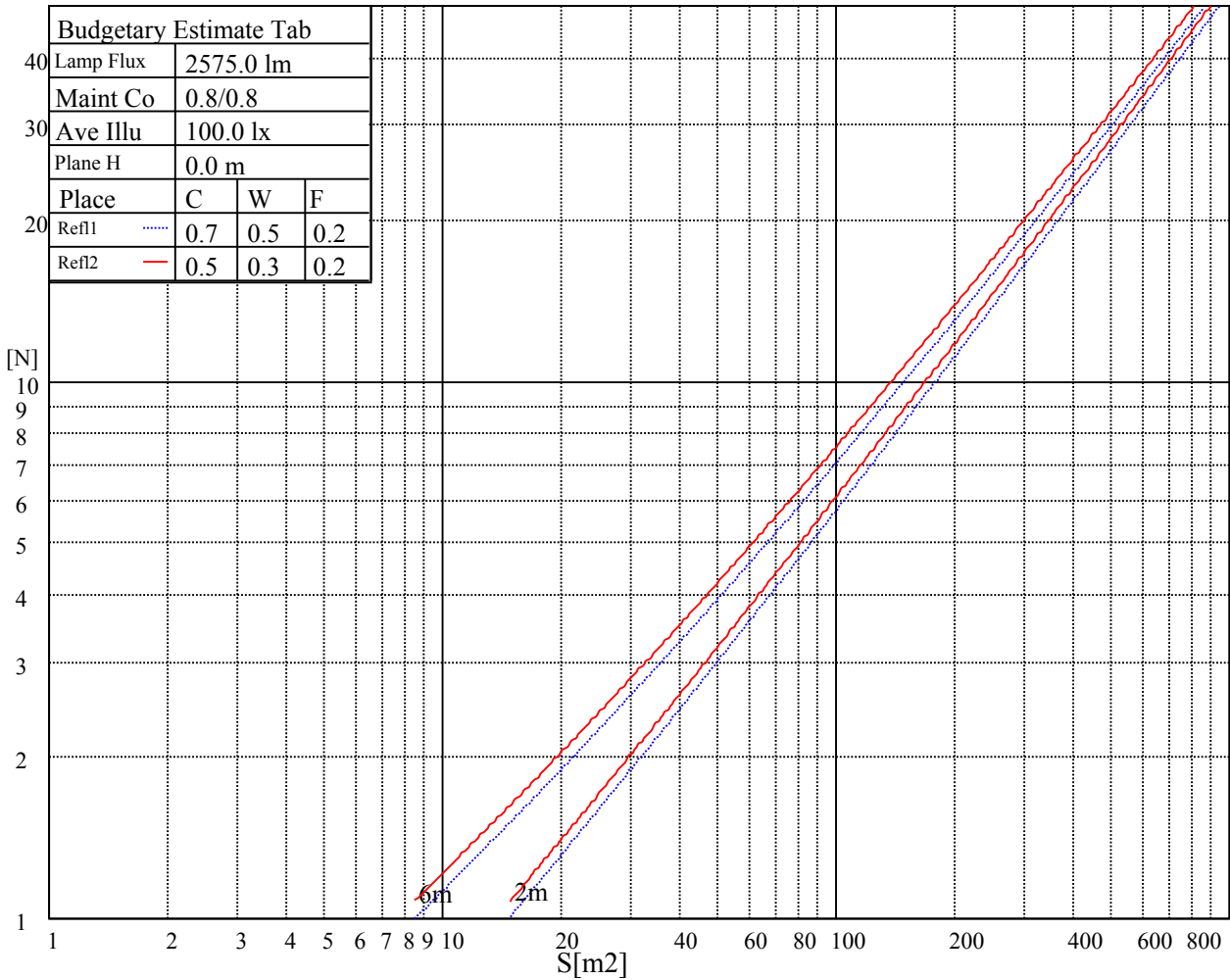
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

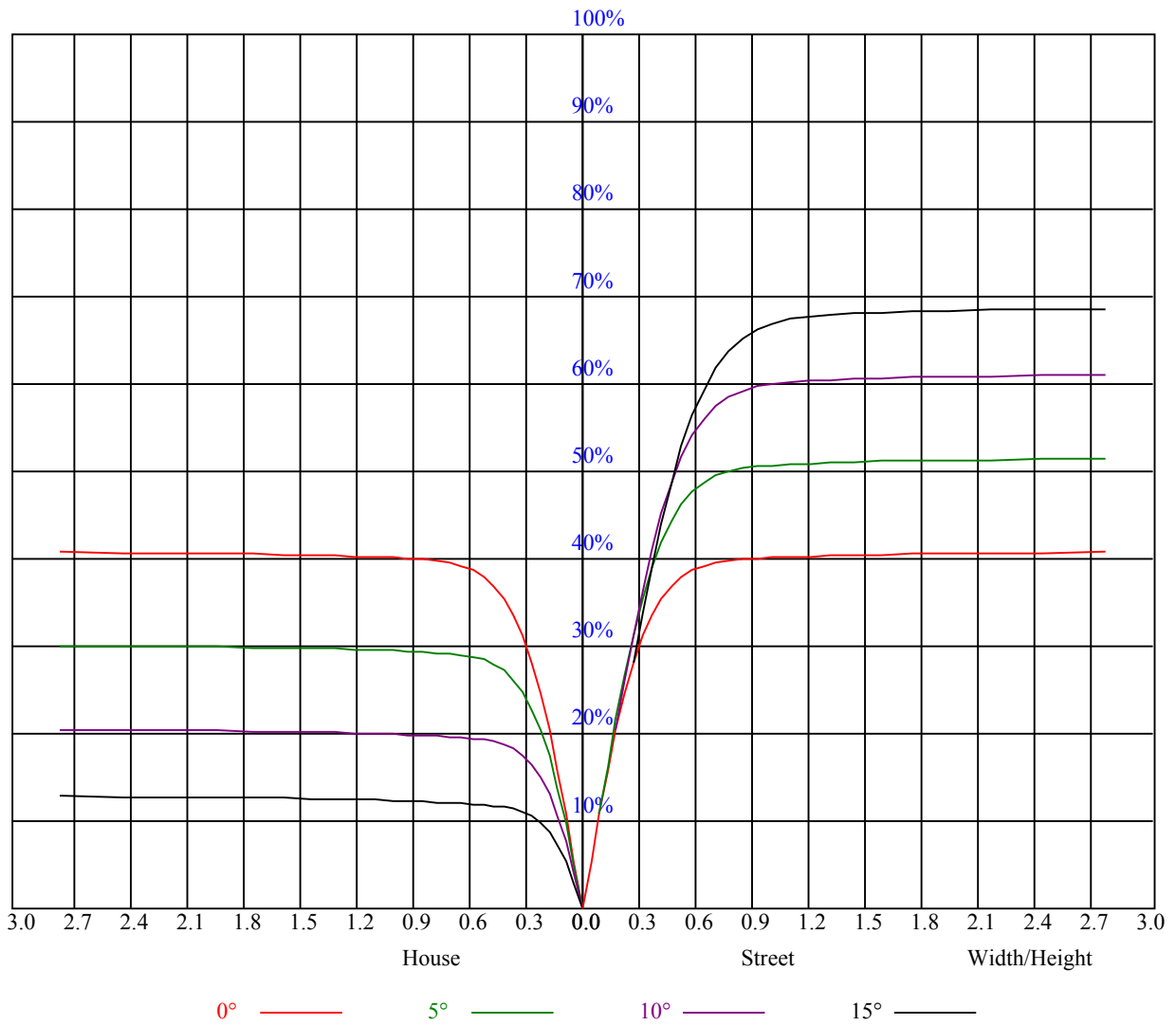


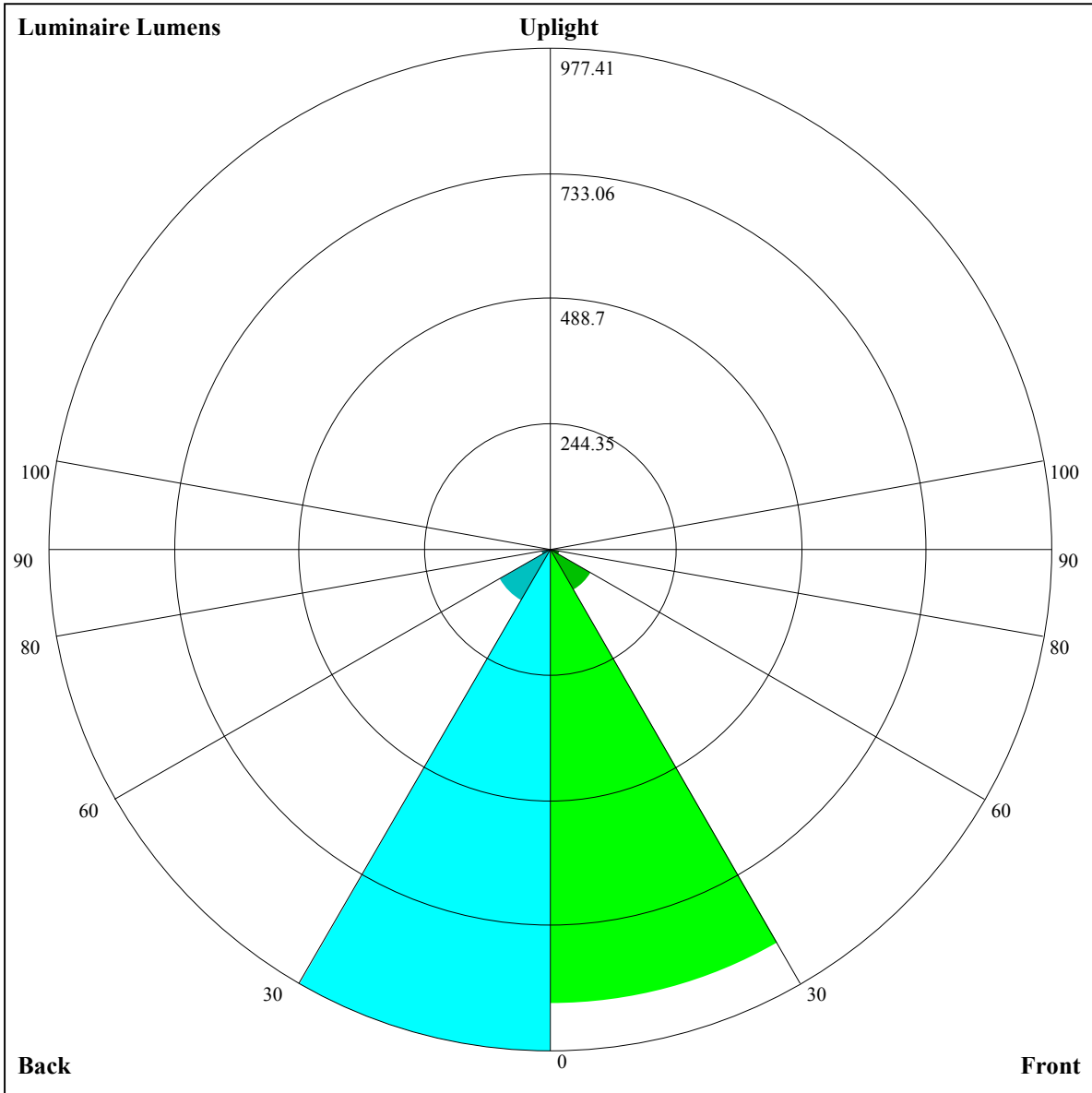
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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 RHOFC=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.91	0.91	0.91	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.82	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.78	0.76	0.73	0.76	0.74	0.72	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	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.68	0.65	0.69	0.67	0.65	0.64
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.58
8	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52





Luminaire Lumens:

FL=884.94,FM=91.66,FH=17.66,FVH=5.55

BL=977.41,BM=116.43,BH=17.42,BVH=5.68

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	5076.89	5060.50	5022.46	4976.23	4904.83	4770.81	4614.56	4433.72	4242.35
45.0	5073.96	5078.64	5072.20	5035.92	4987.35	4923.56	4815.29	4625.68	4450.69
90.0	5097.95	5097.95	5062.25	5024.22	4968.03	4849.23	4709.95	4546.09	4325.46
135.0	5088.00	5096.78	5121.36	5114.34	5064.60	5026.56	4958.67	4839.87	4651.43
180.0	5076.89	5073.37	5099.12	5122.53	5131.31	5101.46	5061.67	5019.53	4941.11
225.0	5073.96	5089.76	5111.41	5119.61	5095.03	5059.91	4999.05	4895.47	4752.09
270.0	5097.95	5085.66	5085.66	5097.95	5097.37	5071.03	5034.16	4966.86	4866.79
315.0	5088.00	5095.61	5103.22	5090.93	5060.50	5013.10	4918.29	4782.52	4610.46
360.0	5076.89	5060.50	5022.46	4976.23	4904.83	4770.81	4614.56	4433.72	4242.35
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4011.78	3819.82	3607.97	3336.43	3118.72	2909.21	2655.81	2455.66	2259.03
45.0	4271.62	4098.97	3862.54	3651.28	3438.84	3167.88	2950.76	2740.08	2490.78
90.0	4158.08	3976.08	3724.43	3510.82	3294.88	3029.77	2818.50	2618.94	2424.65
135.0	4488.15	4321.95	4153.40	3915.80	3704.53	3490.93	3269.71	2990.56	2784.56
180.0	4787.20	4630.94	4466.50	4301.46	4083.17	3890.63	3686.39	3416.60	3188.36
225.0	4588.81	4383.39	4219.53	4040.45	3839.72	3585.73	3372.71	3152.67	2887.56
270.0	4724.58	4517.41	4333.06	4110.68	3920.48	3717.99	3503.80	3225.82	3009.87
315.0	4428.46	4213.68	4037.53	3837.38	3578.71	3361.59	3140.96	2873.51	2666.93
360.0	4011.78	3819.82	3607.97	3336.43	3118.72	2909.21	2655.81	2455.66	2259.03
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2022.01	1837.67	1666.19	1507.60	1140.31	1140.31	1039.65	879.65	759.45
45.0	2294.73	2101.60	1872.19	1702.48	1540.37	1387.63	1207.38	1072.78	941.10
90.0	2229.18	1986.31	1800.80	1632.84	1324.42	1146.63	1146.63	985.81	861.98
135.0	2539.94	2339.79	2141.98	1906.14	1732.91	1569.63	1414.55	1231.37	1092.67
180.0	2980.02	2728.38	2520.62	2322.23	2078.78	1886.24	1713.01	1515.21	1364.80
225.0	2683.32	2476.15	2224.50	2030.79	1851.13	1642.79	1487.12	1166.76	1166.76
270.0	2800.95	2612.50	2346.23	2149.00	1958.81	1735.25	1574.90	1422.16	1242.49
315.0	2417.04	2213.96	2020.26	1838.25	1630.50	1473.07	1150.20	1150.20	1018.58
360.0	2022.01	1837.67	1666.19	1507.60	1140.31	1140.31	1039.65	879.65	759.45
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	649.19	553.68	469.88	376.18	309.47	238.36	191.95	145.43	115.76
45.0	818.20	674.82	575.92	489.31	394.50	326.61	295.01	295.01	160.53
90.0	744.52	615.13	524.77	426.34	353.94	288.87	233.86	188.15	142.03
135.0	961.58	836.93	692.96	592.31	505.11	407.38	336.56	304.38	304.38
180.0	1222.01	1087.99	960.41	808.84	694.72	591.14	479.36	402.69	314.91
225.0	1037.37	912.37	792.57	681.55	558.36	472.57	394.03	307.18	248.60
270.0	1106.13	974.46	821.71	709.35	603.43	511.55	412.06	340.07	308.47
315.0	893.70	774.90	663.59	539.93	455.48	379.23	295.54	239.30	182.36
360.0	649.19	553.68	469.88	376.18	309.47	238.36	191.95	145.43	115.76
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	92.64	74.85	59.46	51.50	46.00	42.19	38.62	36.40	34.41
45.0	127.81	96.56	77.78	64.49	55.30	47.64	43.72	40.61	38.22
90.0	113.83	91.53	70.99	59.99	52.09	46.58	41.90	39.09	36.46
135.0	163.51	130.15	98.03	79.53	65.72	54.02	47.75	43.31	39.91
180.0	299.69	299.69	161.87	122.02	97.73	79.24	65.43	53.90	47.52
225.0	199.74	150.81	120.67	97.26	75.32	62.74	53.67	46.06	41.90
270.0	308.47	168.54	135.42	109.03	83.57	68.59	55.77	48.69	43.72
315.0	145.66	116.58	93.81	72.45	60.28	51.73	45.88	40.97	38.10
360.0	92.64	74.85	59.46	51.50	46.00	42.19	38.62	36.40	34.41

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	32.71	31.13	29.90	28.62	27.68	26.86	25.75	24.93	24.17
45.0	35.82	34.12	32.30	31.08	29.67	28.68	27.74	26.92	25.75
90.0	34.65	33.12	31.60	30.43	29.32	28.32	27.15	26.22	25.34
135.0	36.69	34.59	32.89	31.37	29.73	28.62	27.39	26.45	25.63
180.0	43.13	39.09	36.75	34.82	32.77	31.37	29.85	28.73	27.68
225.0	38.92	36.58	34.24	32.66	31.37	30.20	28.85	27.86	26.74
270.0	40.32	37.10	35.11	33.42	31.95	30.37	29.20	28.15	27.21
315.0	35.87	33.53	32.01	30.72	29.20	28.21	27.21	26.10	25.22
360.0	32.71	31.13	29.90	28.62	27.68	26.86	25.75	24.93	24.17
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.41	22.36	21.54	20.89	20.25	19.37	18.73	18.20	17.62
45.0	24.99	24.17	23.41	22.30	21.59	20.95	20.19	19.31	18.79
90.0	24.58	23.53	22.65	21.77	20.83	20.07	19.20	18.55	18.32
135.0	24.58	23.82	23.12	22.30	21.24	20.48	19.84	19.08	18.20
180.0	26.80	25.57	24.64	23.82	23.06	21.95	21.13	20.37	19.55
225.0	25.81	24.99	23.94	23.12	22.24	21.36	20.48	19.78	19.08
270.0	25.98	25.11	24.23	23.23	22.36	21.24	20.48	19.78	18.90
315.0	24.35	23.58	22.53	21.71	20.89	20.19	19.37	18.61	17.91
360.0	23.41	22.36	21.54	20.89	20.25	19.37	18.73	18.20	17.62
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.15	16.62	16.33	15.98	16.09	16.80	17.56	18.08	18.79
45.0	18.32	17.85	17.62	17.67	17.73	17.97	18.08	18.73	19.49
90.0	18.49	18.90	19.20	19.61	20.37	21.48	22.00	22.36	22.24
135.0	17.67	17.09	16.44	15.98	15.57	15.04	14.63	14.22	13.81
180.0	18.84	18.14	17.44	16.91	16.44	15.80	15.57	15.57	16.15
225.0	18.26	17.67	17.21	16.74	16.04	15.74	15.45	15.68	16.21
270.0	18.26	17.73	17.15	16.50	15.98	15.86	15.92	16.50	17.38
315.0	17.32	16.80	16.15	15.68	15.27	14.81	14.40	14.05	13.69
360.0	17.15	16.62	16.33	15.98	16.09	16.80	17.56	18.08	18.79
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.79	18.73	18.49	18.26	16.85	15.33	13.75	11.82	10.94
45.0	20.37	20.72	20.54	20.31	19.78	19.08	17.38	15.68	12.99
90.0	21.83	21.36	20.78	20.01	19.37	18.32	17.03	14.34	11.53
135.0	13.52	13.23	12.93	12.58	12.35	12.06	11.76	11.47	11.29
180.0	16.80	17.26	17.56	17.56	17.26	17.09	16.15	14.86	14.34
225.0	16.85	17.38	17.56	17.26	17.26	16.39	15.86	14.69	13.75
270.0	17.67	17.56	17.85	16.85	16.85	16.21	15.80	15.10	14.57
315.0	13.34	13.05	12.76	12.47	12.23	11.88	11.70	11.41	11.18
360.0	18.79	18.73	18.49	18.26	16.85	15.33	13.75	11.82	10.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.77	10.65	10.53	10.42	9.66	9.36	9.19	9.19	9.19
45.0	11.59	10.83	10.48	10.42	10.07	9.60	9.31	9.19	9.19
90.0	10.83	10.42	10.30	10.01	9.60	9.42	9.36	9.13	9.19
135.0	11.12	10.83	10.59	10.36	10.01	9.60	9.48	9.31	9.19
180.0	13.52	12.00	10.89	10.65	10.42	10.30	9.89	9.60	9.42
225.0	11.82	11.18	10.77	10.42	10.30	9.95	9.66	9.42	9.31
270.0	13.87	11.35	10.59	10.30	10.12	10.07	9.71	9.48	9.31
315.0	11.00	10.83	10.65	10.48	10.48	9.71	9.42	9.25	9.19
360.0	10.77	10.65	10.53	10.42	9.66	9.36	9.19	9.19	9.19

Intensity data(cd)

C/γ(°)	90.0
0.0	9.19
45.0	9.19
90.0	9.19
135.0	9.13
180.0	9.31
225.0	9.31
270.0	9.25
315.0	9.13
360.0	9.19