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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024301-B024

Ballast type: AC

Test No: 2024301-C024

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): 2116.30, Efficiency(%): 82.19% , Luminous Efficacy(lm/W): 117.55

Central intensity(cd): 5116.827, Maximum intensity(cd): 5116.827

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.2

[C90/270]Total=35.2

Field angle(10%Imax): [C0/180]Total=61.0

[C90/270]Total=61.0

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(%): 82.19%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.667%

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	5116.827	0.000	0	0.00%	0.00%
1.0	5111.853	4.894	4.894	0.19%	0.23%
2.0	5093.930	14.648	19.543	0.57%	0.92%
3.0	5061.743	24.289	43.832	0.94%	2.07%
4.0	5011.633	33.719	77.55	1.31%	3.66%
5.0	4949.818	42.854	120.404	1.66%	5.69%
6.0	4859.035	51.548	171.952	2.00%	8.13%
7.0	4747.550	59.628	231.58	2.32%	10.94%
8.0	4612.948	66.991	298.571	2.60%	14.11%
9.0	4449.158	73.443	372.015	2.85%	17.58%
10.0	4271.908	78.922	450.937	3.06%	21.31%
11.0	4076.736	83.420	534.357	3.24%	25.25%
12.0	3861.373	86.775	621.132	3.37%	29.35%
13.0	3646.010	89.094	710.226	3.46%	33.56%
14.0	3412.871	90.353	800.579	3.51%	37.83%
15.0	3169.052	90.360	890.939	3.51%	42.10%
16.0	2930.646	89.378	980.316	3.47%	46.32%
17.0	2709.358	87.830	1068.146	3.41%	50.47%
18.0	2475.121	85.481	1153.627	3.32%	54.51%
19.0	2272.487	82.599	1236.226	3.21%	58.41%
20.0	2046.078	79.042	1315.268	3.07%	62.15%
21.0	1837.665	74.576	1389.843	2.90%	65.67%
22.0	1630.898	69.702	1459.546	2.71%	68.97%
23.0	1465.155	64.964	1524.509	2.52%	72.04%
24.0	1317.649	60.842	1585.351	2.36%	74.91%
25.0	1171.898	56.607	1641.958	2.20%	77.59%
26.0	1051.262	52.478	1694.436	2.04%	80.07%
27.0	920.069	48.229	1742.665	1.87%	82.35%
28.0	802.929	43.623	1786.288	1.69%	84.41%
29.0	677.947	38.744	1825.032	1.50%	86.24%
30.0	569.497	33.681	1858.712	1.31%	87.83%
31.0	462.313	28.714	1887.426	1.12%	89.19%
32.0	370.038	23.846	1911.272	0.93%	90.31%
33.0	300.608	19.757	1931.029	0.77%	91.25%
34.0	231.135	16.092	1947.122	0.62%	92.01%
35.0	181.705	12.821	1959.943	0.50%	92.61%
36.0	144.777	10.395	1970.338	0.40%	93.10%
37.0	110.995	8.342	1978.68	0.32%	93.50%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.411	6.956	1985.636	0.27%	93.83%
39.0	88.157	6.334	1991.97	0.25%	94.13%
40.0	79.993	5.864	1997.835	0.23%	94.40%
41.0	73.343	5.460	2003.295	0.21%	94.66%
42.0	67.016	5.099	2008.394	0.20%	94.90%
43.0	61.924	4.776	2013.171	0.19%	95.13%
44.0	57.235	4.497	2017.668	0.17%	95.34%
45.0	52.999	4.236	2021.904	0.16%	95.54%
46.0	49.276	4.000	2025.904	0.16%	95.73%
47.0	46.182	3.797	2029.701	0.15%	95.91%
48.0	43.146	3.611	2033.312	0.14%	96.08%
49.0	40.651	3.441	2036.753	0.13%	96.24%
50.0	38.405	3.296	2040.049	0.13%	96.40%
51.0	36.342	3.162	2043.212	0.12%	96.55%
52.0	34.499	3.040	2046.252	0.12%	96.69%
53.0	32.802	2.928	2049.179	0.11%	96.83%
54.0	31.229	2.822	2052.001	0.11%	96.96%
55.0	29.759	2.722	2054.724	0.11%	97.09%
56.0	28.325	2.625	2057.348	0.10%	97.21%
57.0	26.994	2.529	2059.878	0.10%	97.33%
58.0	25.743	2.439	2062.316	0.09%	97.45%
59.0	24.484	2.348	2064.665	0.09%	97.56%
60.0	23.380	2.261	2066.926	0.09%	97.67%
61.0	22.363	2.183	2069.109	0.08%	97.77%
62.0	21.405	2.109	2071.218	0.08%	97.87%
63.0	20.607	2.043	2073.261	0.08%	97.97%
64.0	19.956	1.990	2075.251	0.08%	98.06%
65.0	19.400	1.948	2077.199	0.08%	98.15%
66.0	18.815	1.907	2079.106	0.07%	98.24%
67.0	18.515	1.877	2080.983	0.07%	98.33%
68.0	18.420	1.871	2082.854	0.07%	98.42%
69.0	18.332	1.875	2084.729	0.07%	98.51%
70.0	18.420	1.888	2086.616	0.07%	98.60%
71.0	18.647	1.916	2088.532	0.07%	98.69%
72.0	18.698	1.942	2090.474	0.08%	98.78%
73.0	18.661	1.954	2092.428	0.08%	98.87%
74.0	18.464	1.952	2094.379	0.08%	98.96%
75.0	18.003	1.927	2096.306	0.07%	99.06%

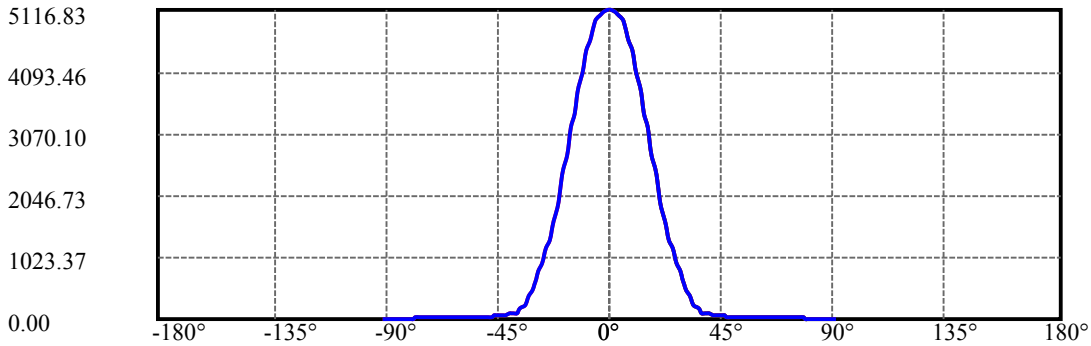
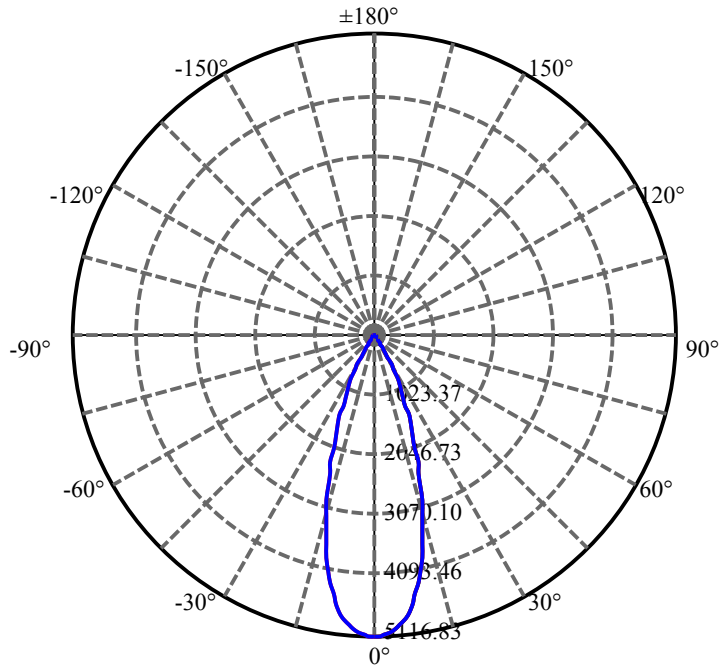
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.462	1.883	2098.189	0.07%	99.14%
77.0	16.701	1.821	2100.01	0.07%	99.23%
78.0	15.721	1.736	2101.746	0.07%	99.31%
79.0	14.309	1.613	2103.359	0.06%	99.39%
80.0	13.219	1.484	2104.843	0.06%	99.46%
81.0	12.334	1.382	2106.225	0.05%	99.52%
82.0	11.434	1.289	2107.514	0.05%	99.59%
83.0	10.944	1.216	2108.73	0.05%	99.64%
84.0	10.658	1.177	2109.907	0.05%	99.70%
85.0	10.293	1.143	2111.051	0.04%	99.75%
86.0	9.876	1.102	2112.153	0.04%	99.80%
87.0	9.568	1.064	2113.217	0.04%	99.85%
88.0	9.356	1.037	2114.254	0.04%	99.90%
89.0	9.320	1.024	2115.278	0.04%	99.95%
90.0	9.247	1.018	2116.295	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1858.71	72.18%	87.83%
0-40	1997.83	77.59%	94.40%
0-60	2066.93	80.27%	97.67%
0-90	2115.28	82.15%	99.95%
0-120	2115.28	82.15%	99.95%
0-180	2116.30	82.19%	100.00%
60-90	48.35	1.88%	2.28%
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%
0-25.97	1693.04	65.75%	80.00%

ZONAL LUMEN SUMMARY

0-10	450.94
10-20	864.33
20-30	543.44
30-40	139.12
40-50	42.21
50-60	26.88
60-70	19.69
70-80	18.23
80-90	10.43
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: —————

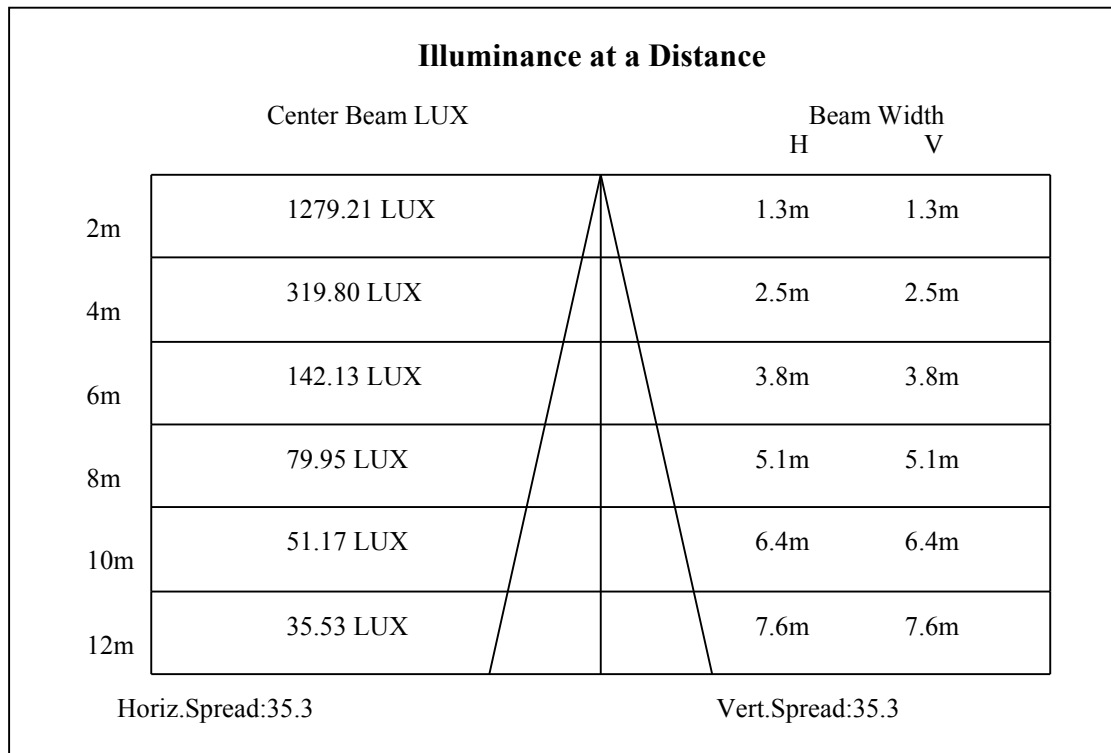
C90/C270: —————

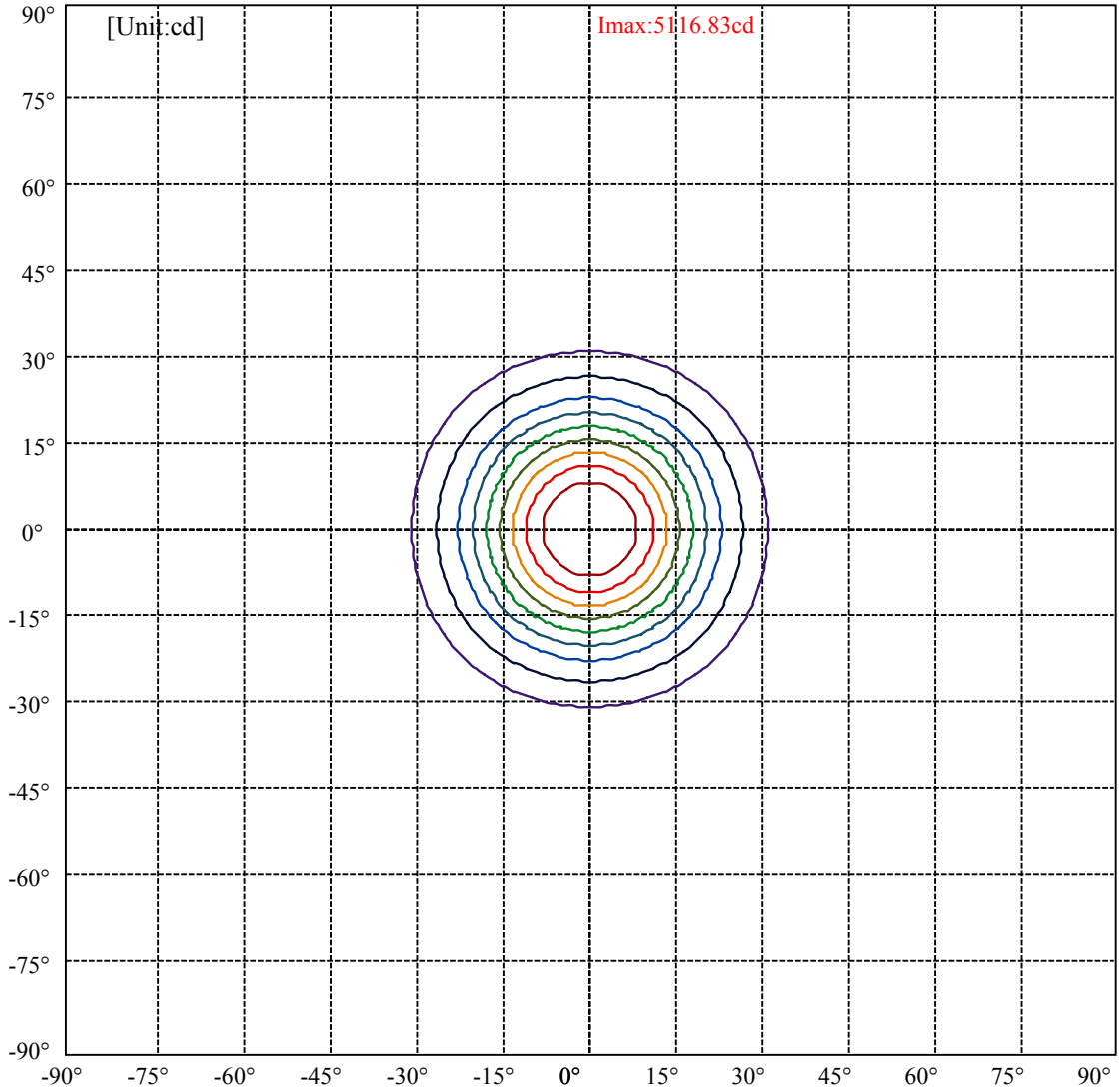
Field angle(10%Imax):C0/180Left:30.5 Right:30.5

:C90/270Left:30.5 Right:30.5

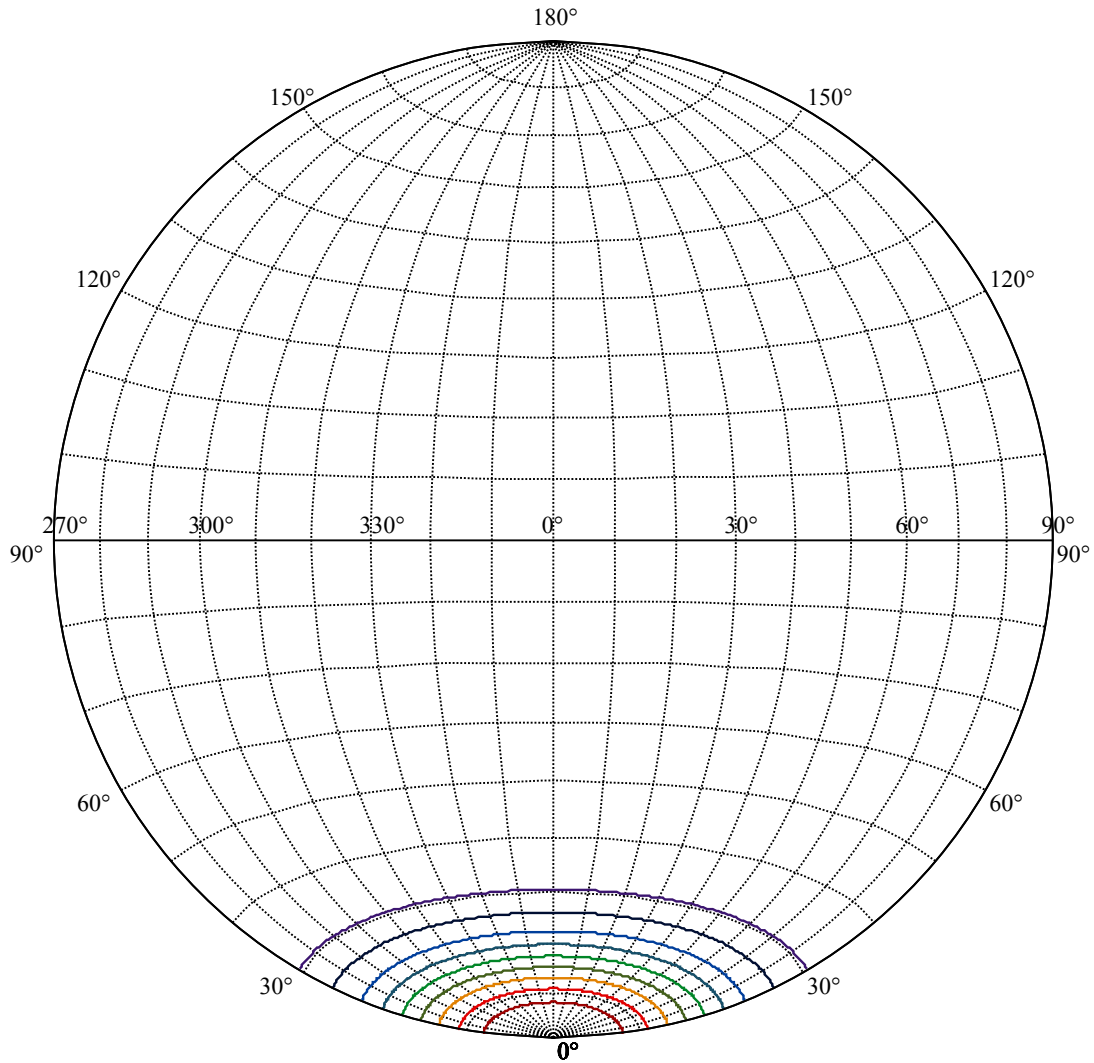
Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6

:C90/270Left:17.6 Right:17.6





(10%Imax) 511.683	—
(20%Imax) 1023.37	—
(30%Imax) 1535.05	—
(40%Imax) 2046.73	—
(50%Imax) 2558.41	—
(60%Imax) 3070.1	—
(70%Imax) 3581.78	—
(80%Imax) 4093.46	—
(90%Imax) 4605.14	—



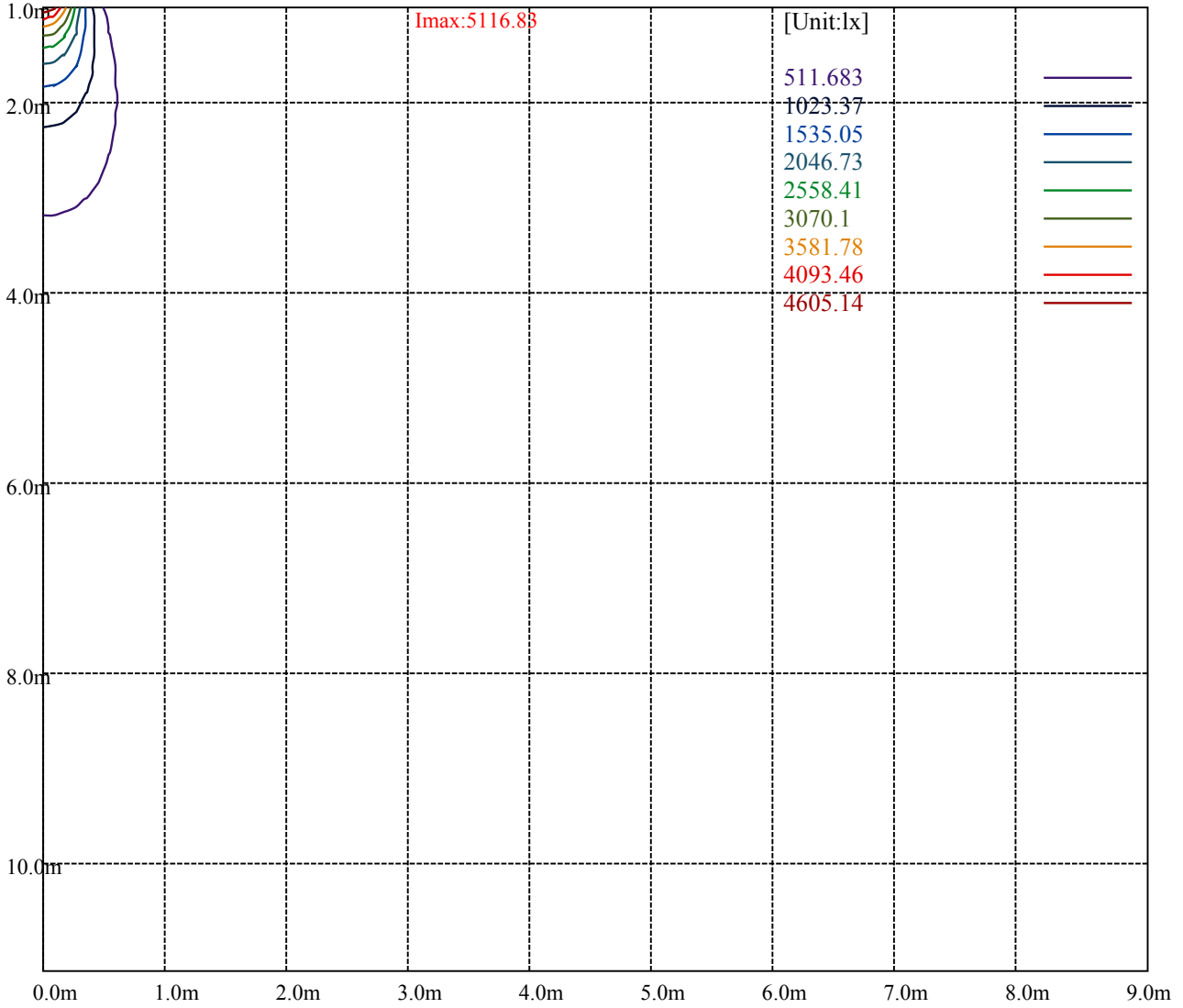
House

[Unit:cd]

Road

I_{max}:5116.83

(10%I _{max})	511.683	—
(20%I _{max})	1023.37	—
(30%I _{max})	1535.05	—
(40%I _{max})	2046.73	—
(50%I _{max})	2558.41	—
(60%I _{max})	3070.1	—
(70%I _{max})	3581.78	—
(80%I _{max})	4093.46	—
(90%I _{max})	4605.14	—



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

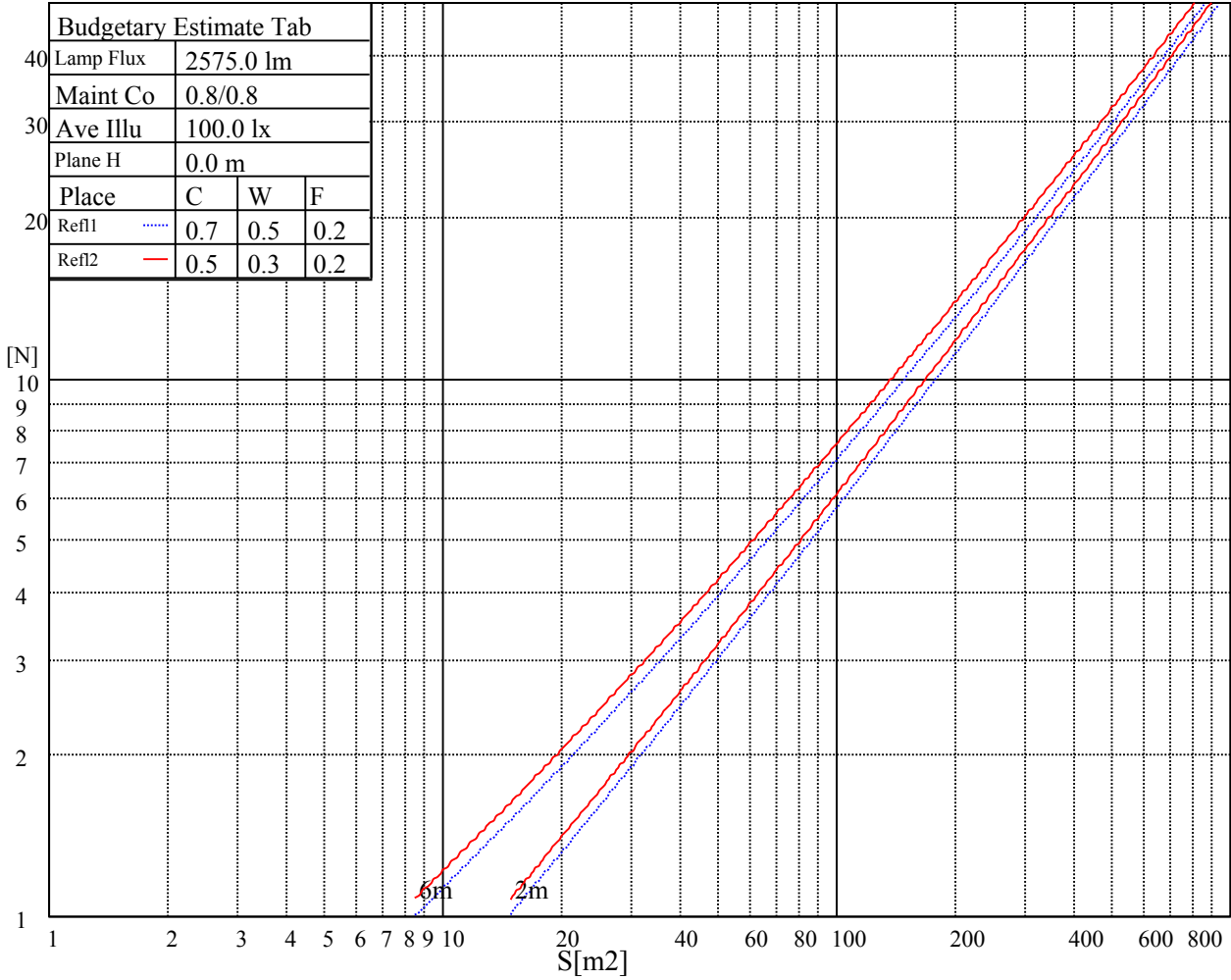
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

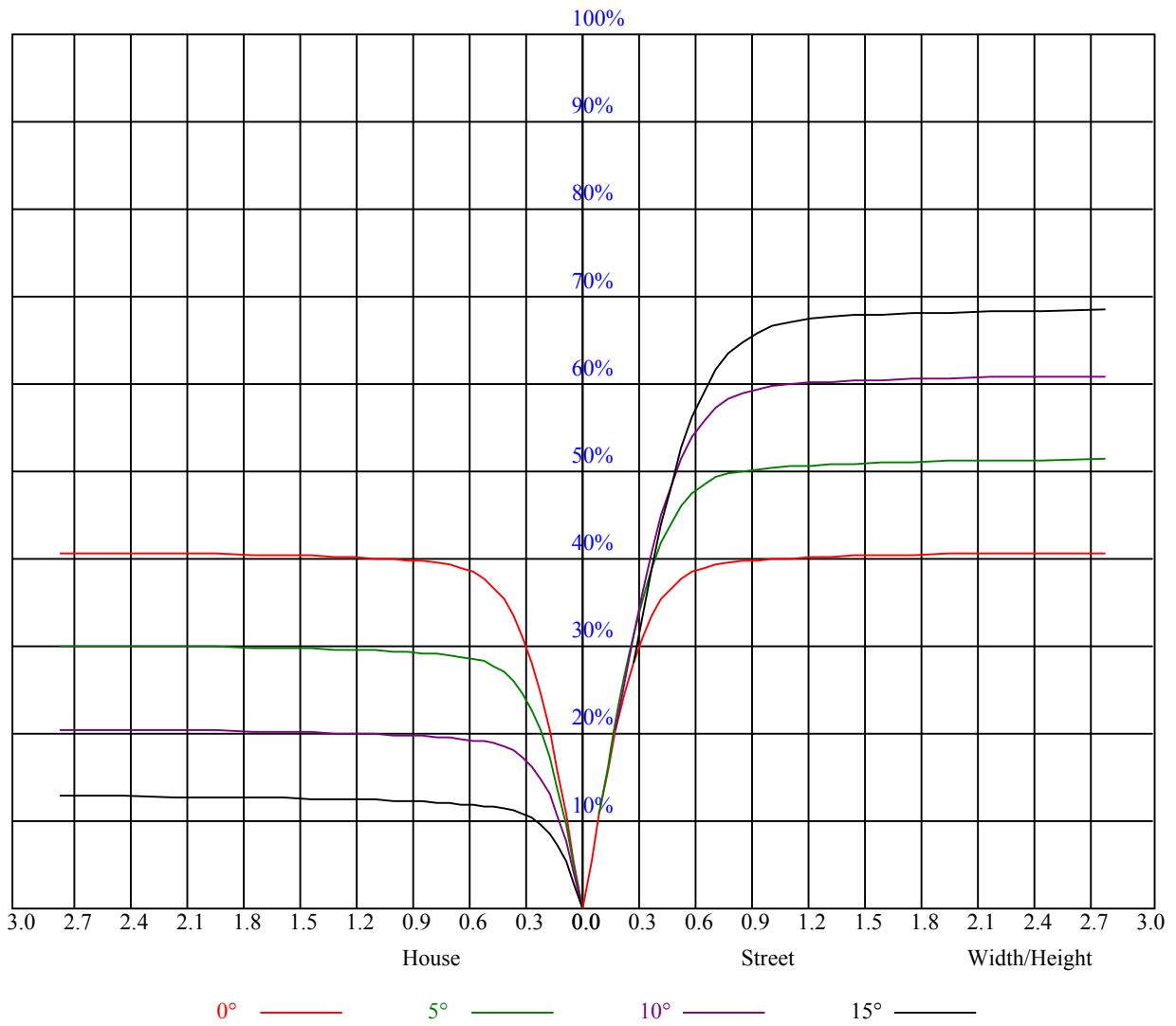


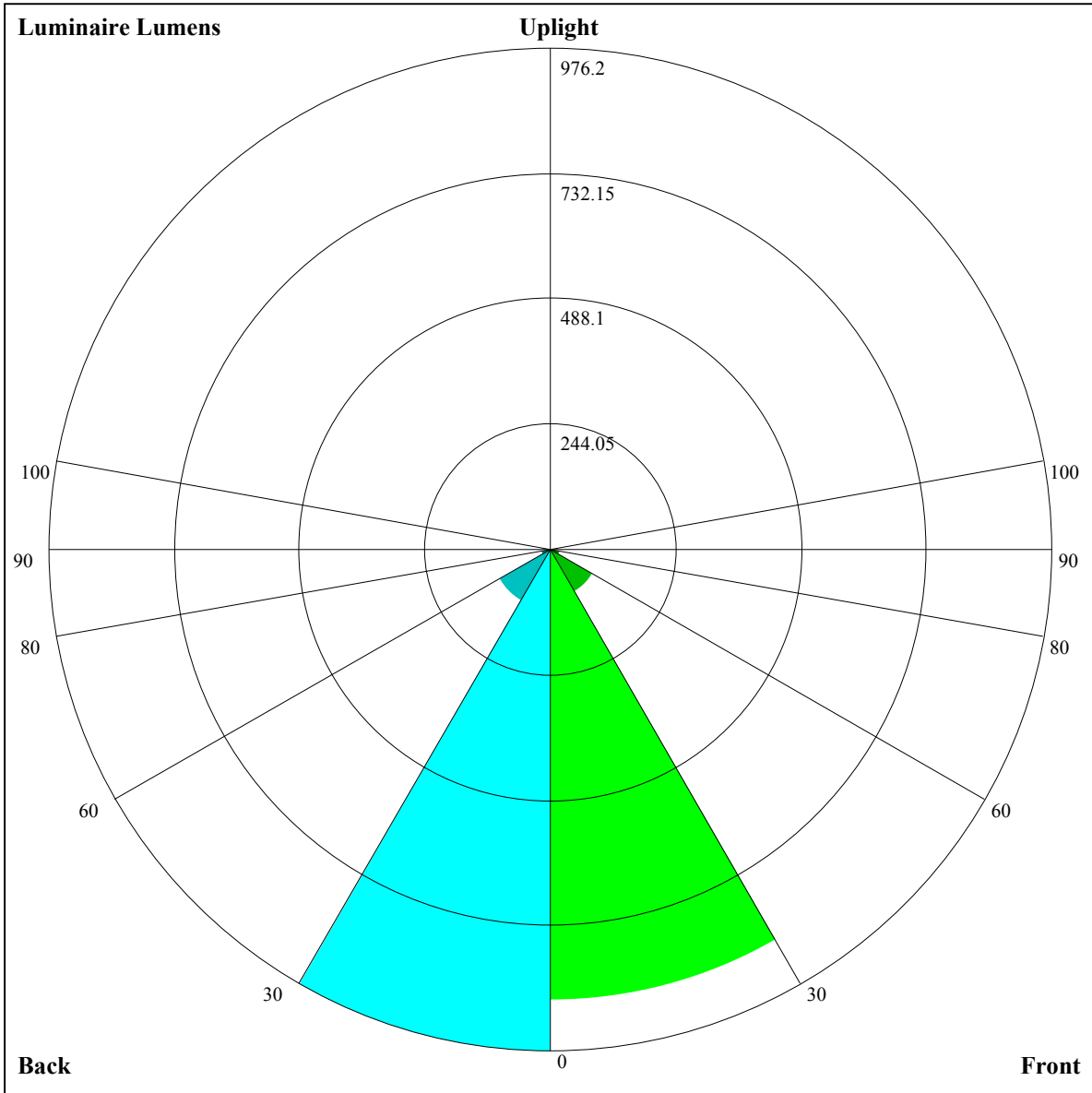
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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	
	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	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	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	0.98	0.98	0.98	0.96	0.96	0.96	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.92	0.90	0.88	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	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	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.66	0.65	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	0.62	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	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	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	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.54	0.54
10	0.60	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.57	0.55	0.52	0.52





Luminaire Lumens:

FL=879.39,FM=95.52,FH=19.24,FVH=5.66

BL=976.2,BM=116.58,BH=19.18,BVH=5.82

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	5100.88	5069.86	5017.78	4953.40	4833.43	4718.73	4581.20	4425.53	4247.62
45.0	5118.44	5104.39	5082.74	5032.99	4977.40	4893.71	4784.27	4624.51	4477.61
90.0	5115.51	5097.37	5058.16	5007.24	4941.11	4855.09	4716.39	4580.03	4425.53
135.0	5132.48	5129.56	5117.27	5096.20	5054.65	5000.22	4924.14	4829.34	4686.54
180.0	5100.88	5120.78	5127.80	5122.53	5108.49	5080.40	5047.62	5000.81	4928.82
225.0	5118.44	5122.53	5117.27	5099.71	5063.43	5027.14	4970.96	4862.11	4746.23
270.0	5115.51	5126.63	5125.46	5113.17	5090.93	5058.74	4999.64	4928.24	4800.07
315.0	5132.48	5123.70	5104.98	5068.69	5023.63	4964.52	4848.06	4729.85	4591.15
360.0	5100.88	5069.86	5017.78	4953.40	4833.43	4718.73	4581.20	4425.53	4247.62
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4011.19	3808.70	3596.27	3322.97	3097.07	2880.54	2667.51	2406.50	2207.53
45.0	4313.17	4082.00	3891.22	3682.88	3465.18	3184.85	2965.39	2690.34	2477.90
90.0	4201.39	4014.12	3759.54	3543.01	3321.80	3046.15	2823.77	2608.99	2402.41
135.0	4545.50	4381.64	4200.22	3962.03	3750.77	3535.99	3254.49	3029.18	2754.13
180.0	4800.07	4678.35	4528.53	4361.74	4125.89	3929.26	3674.10	3456.40	3232.26
225.0	4610.46	4455.38	4237.09	4048.06	3847.33	3641.91	3372.71	3153.25	2936.72
270.0	4674.25	4537.89	4372.27	4143.45	3945.65	3739.65	3469.86	3249.81	3026.84
315.0	4437.23	4217.19	4028.75	3826.84	3614.41	3344.62	3124.57	2850.69	2637.08
360.0	4011.19	3808.70	3596.27	3322.97	3097.07	2880.54	2667.51	2406.50	2207.53
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1970.51	1828.89	1600.65	1322.08	1153.24	1153.24	1022.39	867.24	748.74
45.0	2280.10	2089.31	1851.71	1667.95	1502.33	1365.39	1205.04	1072.78	942.27
90.0	2154.86	1959.39	1769.78	1591.87	1309.79	1144.35	1144.35	1018.12	863.21
135.0	2541.69	2337.45	2086.97	1893.85	1710.09	1543.30	1369.49	1237.22	1103.21
180.0	2958.96	2745.93	2517.11	2312.87	2060.64	1866.34	1680.82	1515.79	1342.56
225.0	2662.25	2447.47	2243.23	1998.60	1811.33	1629.32	1436.20	1151.43	1151.43
270.0	2803.87	2600.80	2324.57	2126.77	1932.47	1694.28	1523.40	1353.10	1229.62
315.0	2428.74	2170.66	1974.61	1787.34	1567.29	1325.01	1159.51	1159.51	1029.06
360.0	1970.51	1828.89	1600.65	1322.08	1153.24	1153.24	1022.39	867.24	748.74
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	639.42	538.00	444.83	336.74	257.03	177.62	136.42	116.28	105.57
45.0	790.11	679.50	576.51	458.87	372.26	313.15	313.15	154.73	126.47
90.0	745.05	639.36	517.22	427.45	321.87	247.32	186.22	143.79	122.31
135.0	968.61	843.37	699.40	595.82	474.09	383.97	301.45	301.45	156.02
180.0	1219.67	1093.84	936.42	814.11	703.50	574.16	475.26	365.24	303.21
225.0	1022.74	898.03	781.33	670.96	542.85	447.58	360.09	281.03	195.76
270.0	1103.79	977.38	823.47	709.94	603.43	479.94	390.99	306.72	306.72
315.0	871.17	753.95	644.39	542.09	423.47	336.56	241.29	179.84	137.59
360.0	639.42	538.00	444.83	336.74	257.03	177.62	136.42	116.28	105.57
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	94.10	86.32	77.78	71.81	66.48	61.74	56.47	52.79	49.28
45.0	109.79	99.37	90.53	83.04	74.91	69.12	63.97	59.46	54.43
90.0	107.04	96.97	88.43	79.47	73.09	67.30	60.86	56.47	52.49
135.0	126.53	109.26	98.26	89.25	81.52	73.15	67.48	62.38	57.94
180.0	303.21	155.49	119.15	105.75	95.16	86.50	77.48	71.28	65.84
225.0	145.60	113.94	102.18	92.52	82.75	76.14	70.29	65.08	59.22
270.0	158.54	123.60	109.03	98.96	88.25	81.05	73.27	67.65	62.56
315.0	113.42	103.00	93.93	84.45	77.78	71.75	66.31	60.28	56.12
360.0	94.10	86.32	77.78	71.81	66.48	61.74	56.47	52.79	49.28

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	46.29	42.96	40.79	38.68	36.81	34.82	33.30	31.37	30.14
45.0	50.91	47.05	44.30	41.84	39.09	37.10	35.41	33.94	32.01
90.0	48.16	45.06	42.31	39.39	37.34	35.41	33.83	31.89	30.43
135.0	52.79	49.22	46.06	42.55	40.09	37.81	35.41	33.71	32.19
180.0	60.98	55.77	52.09	47.99	45.18	42.60	39.85	37.86	35.93
225.0	55.30	51.79	48.57	45.06	42.60	40.32	37.75	35.99	34.35
270.0	57.06	53.20	49.74	46.64	43.31	40.97	38.80	36.93	34.65
315.0	52.49	49.16	45.59	43.01	40.79	38.22	36.40	34.29	32.71
360.0	46.29	42.96	40.79	38.68	36.81	34.82	33.30	31.37	30.14
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.79	27.15	25.93	24.87	23.76	22.47	21.65	20.89	19.90
45.0	30.55	29.20	27.92	26.39	25.40	24.29	22.94	22.06	21.24
90.0	29.20	27.92	26.28	25.11	24.05	22.71	21.77	20.78	20.31
135.0	30.43	29.20	28.03	26.74	25.22	24.23	23.06	22.06	20.89
180.0	34.24	32.30	30.84	29.50	28.27	26.63	25.46	24.40	23.35
225.0	32.36	30.96	29.61	28.03	26.74	25.52	24.52	23.12	22.12
270.0	33.07	31.54	29.85	28.56	26.86	25.57	24.58	23.47	22.18
315.0	31.19	29.79	28.15	26.74	25.63	24.46	23.06	22.12	21.24
360.0	28.79	27.15	25.93	24.87	23.76	22.47	21.65	20.89	19.90
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.31	18.67	18.20	17.56	17.73	18.61	19.20	19.66	20.31
45.0	20.42	19.84	19.55	19.37	19.25	19.31	19.55	20.07	20.60
90.0	20.19	20.48	20.72	20.89	21.48	22.65	23.12	23.23	23.12
135.0	20.13	19.37	18.43	17.85	17.26	16.62	16.04	15.68	15.16
180.0	22.00	21.13	20.42	19.37	18.67	17.97	17.62	17.44	17.91
225.0	21.24	20.48	19.55	18.84	18.26	17.62	17.26	17.44	17.91
270.0	21.19	20.37	19.66	18.73	18.14	17.91	17.79	18.20	19.02
315.0	20.37	19.31	18.67	17.91	17.32	16.68	16.09	15.63	15.16
360.0	19.31	18.67	18.20	17.56	17.73	18.61	19.20	19.66	20.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.19	20.01	19.72	19.25	17.73	16.15	14.34	12.29	11.35
45.0	21.48	21.83	21.54	21.24	20.66	19.49	18.08	15.74	13.46
90.0	22.59	22.12	21.65	20.66	20.01	19.08	17.50	14.75	12.23
135.0	14.69	14.34	13.93	13.52	13.23	12.93	12.52	12.17	11.88
180.0	18.49	18.90	19.14	19.14	18.55	18.38	17.38	15.92	15.27
225.0	18.26	18.73	18.79	18.55	18.38	17.38	16.74	15.45	14.28
270.0	19.20	19.02	19.02	18.14	18.02	17.38	16.68	16.04	15.45
315.0	14.69	14.34	13.93	13.52	13.11	12.82	12.52	12.11	11.82
360.0	20.19	20.01	19.72	19.25	17.73	16.15	14.34	12.29	11.35
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.12	10.94	10.77	10.53	9.77	9.42	9.19	9.36	9.31
45.0	12.00	11.06	10.83	10.59	10.18	9.60	9.36	9.19	9.25
90.0	11.18	10.77	10.53	10.12	9.71	9.42	9.36	9.07	9.31
135.0	11.47	11.24	10.89	10.65	10.24	9.77	9.54	9.31	9.25
180.0	14.40	12.58	11.41	11.12	10.77	10.59	10.18	9.71	9.60
225.0	12.35	11.65	11.12	10.77	10.59	10.07	9.66	9.42	9.36
270.0	14.57	11.94	10.94	10.65	10.36	10.24	9.71	9.42	9.31
315.0	11.59	11.29	11.06	10.83	10.71	9.89	9.54	9.36	9.19
360.0	11.12	10.94	10.77	10.53	9.77	9.42	9.19	9.36	9.31

Intensity data(cd)

C/γ(°)	90.0
0.0	9.25
45.0	9.19
90.0	9.19
135.0	9.19
180.0	9.42
225.0	9.31
270.0	9.13
315.0	9.31
360.0	9.25