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Nata

Client:

LumCAT: 2-2521-L

Luminaire: 92.70.412.00

Report No: 2024815-B013

Ballast type: AC

Test No: 2024816-C013

Voltage(V): 34.800

LampCAT: BRIDGELUX V13B LES13

Current(A): 0.450

Lamp flux(lm): 2535.0

Power (W): 15.660

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2286.35, Efficiency(%): 90.19% , Luminous Efficacy(lm/W): 146.00

Central intensity(cd): 3886.222, Maximum intensity(cd): 3886.222

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=48.2

[C90/270]Total=48.2

Field angle(10%Imax): [C0/180]Total=69.4

[C90/270]Total=69.4

Maximum s/h(1/2): C0_180=0.75 C90_270=0.75

Maximum s/h(1/4): C0_180=0.74 C90_270=0.74

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.19%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.945%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/16
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3886.222	0.000	0	0.00%	0.00%
1.0	3877.095	3.715	3.715	0.15%	0.16%
2.0	3848.817	11.089	14.804	0.44%	0.65%
3.0	3804.953	18.305	33.109	0.72%	1.45%
4.0	3747.562	25.281	58.39	1.00%	2.55%
5.0	3680.643	31.956	90.345	1.26%	3.95%
6.0	3618.514	38.359	128.704	1.51%	5.63%
7.0	3548.028	44.483	173.187	1.75%	7.57%
8.0	3471.977	50.241	223.428	1.98%	9.77%
9.0	3394.105	55.646	279.074	2.20%	12.21%
10.0	3317.430	60.737	339.811	2.40%	14.86%
11.0	3238.179	65.504	405.315	2.58%	17.73%
12.0	3159.190	69.932	475.247	2.76%	20.79%
13.0	3077.567	74.015	549.262	2.92%	24.02%
14.0	2995.110	77.730	626.991	3.07%	27.42%
15.0	2912.094	81.097	708.088	3.20%	30.97%
16.0	2814.597	83.912	792	3.31%	34.64%
17.0	2722.251	86.224	878.224	3.40%	38.41%
18.0	2626.200	88.184	966.408	3.48%	42.27%
19.0	2524.248	89.607	1056.015	3.53%	46.19%
20.0	2414.478	90.392	1146.408	3.57%	50.14%
21.0	2306.462	90.652	1237.059	3.58%	54.11%
22.0	2209.721	90.755	1327.814	3.58%	58.08%
23.0	2065.496	89.706	1417.519	3.54%	62.00%
24.0	1958.650	87.982	1505.502	3.47%	65.85%
25.0	1821.718	85.957	1591.459	3.39%	69.61%
26.0	1625.804	81.379	1672.838	3.21%	73.17%
27.0	1500.416	76.484	1749.322	3.02%	76.51%
28.0	1374.122	72.777	1822.099	2.87%	79.69%
29.0	1181.093	66.852	1888.951	2.64%	82.62%
30.0	1010.126	59.162	1948.113	2.33%	85.21%
31.0	877.222	52.522	2000.635	2.07%	87.50%
32.0	720.750	45.780	2046.415	1.81%	89.51%
33.0	580.080	38.323	2084.738	1.51%	91.18%
34.0	458.154	31.420	2116.158	1.24%	92.56%
35.0	355.809	25.279	2141.437	1.00%	93.66%
36.0	273.943	20.051	2161.488	0.79%	94.54%
37.0	199.882	15.454	2176.942	0.61%	95.21%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	159.639	12.000	2188.942	0.47%	95.74%
39.0	128.082	9.821	2198.763	0.39%	96.17%
40.0	95.394	7.794	2206.557	0.31%	96.51%
41.0	78.647	6.198	2212.754	0.24%	96.78%
42.0	68.022	5.329	2218.083	0.21%	97.01%
43.0	59.001	4.705	2222.789	0.19%	97.22%
44.0	51.551	4.173	2226.961	0.16%	97.40%
45.0	45.499	3.730	2230.691	0.15%	97.57%
46.0	40.519	3.364	2234.055	0.13%	97.71%
47.0	36.419	3.060	2237.115	0.12%	97.85%
48.0	32.970	2.805	2239.92	0.11%	97.97%
49.0	30.099	2.590	2242.51	0.10%	98.08%
50.0	27.608	2.406	2244.916	0.09%	98.19%
51.0	25.401	2.243	2247.159	0.09%	98.29%
52.0	23.463	2.097	2249.255	0.08%	98.38%
53.0	21.735	1.966	2251.221	0.08%	98.46%
54.0	20.223	1.849	2253.071	0.07%	98.54%
55.0	18.804	1.742	2254.813	0.07%	98.62%
56.0	17.576	1.644	2256.457	0.06%	98.69%
57.0	16.524	1.559	2258.016	0.06%	98.76%
58.0	15.427	1.478	2259.493	0.06%	98.83%
59.0	14.507	1.399	2260.893	0.06%	98.89%
60.0	13.903	1.342	2262.235	0.05%	98.95%
61.0	13.456	1.306	2263.541	0.05%	99.00%
62.0	13.449	1.296	2264.837	0.05%	99.06%
63.0	13.561	1.314	2266.151	0.05%	99.12%
64.0	12.950	1.301	2267.452	0.05%	99.17%
65.0	12.865	1.278	2268.729	0.05%	99.23%
66.0	12.339	1.258	2269.987	0.05%	99.28%
67.0	13.200	1.284	2271.271	0.05%	99.34%
68.0	12.700	1.312	2272.583	0.05%	99.40%
69.0	12.306	1.276	2273.859	0.05%	99.45%
70.0	11.951	1.246	2275.105	0.05%	99.51%
71.0	11.354	1.205	2276.309	0.05%	99.56%
72.0	10.473	1.135	2277.444	0.04%	99.61%
73.0	9.396	1.039	2278.483	0.04%	99.66%
74.0	8.265	0.928	2279.411	0.04%	99.70%
75.0	7.352	0.825	2280.237	0.03%	99.73%

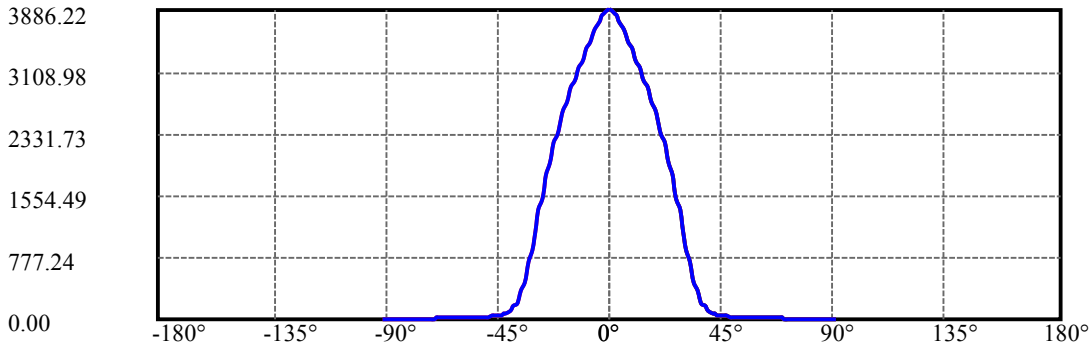
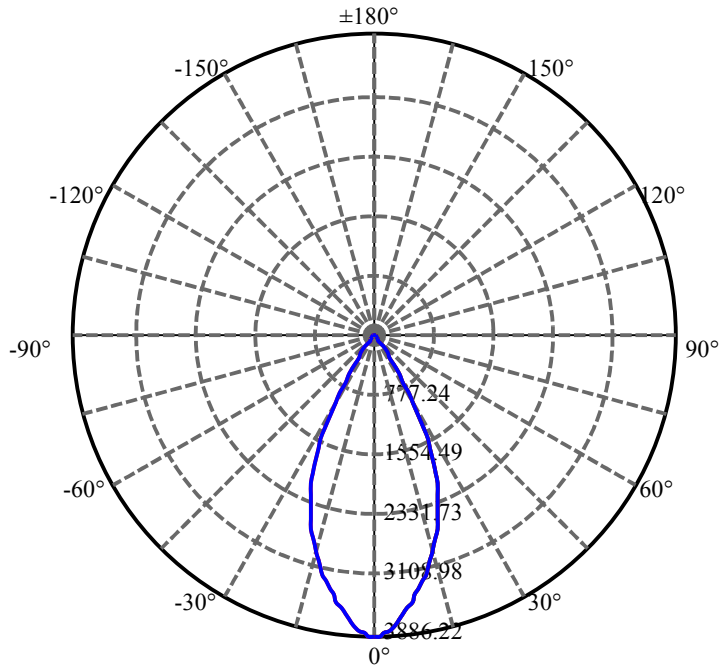
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.353	0.728	2280.964	0.03%	99.76%
77.0	5.696	0.642	2281.607	0.03%	99.79%
78.0	5.164	0.581	2282.188	0.02%	99.82%
79.0	4.796	0.535	2282.723	0.02%	99.84%
80.0	4.442	0.498	2283.221	0.02%	99.86%
81.0	4.106	0.462	2283.683	0.02%	99.88%
82.0	3.745	0.426	2284.109	0.02%	99.90%
83.0	3.397	0.388	2284.497	0.02%	99.92%
84.0	3.081	0.353	2284.85	0.01%	99.93%
85.0	2.806	0.321	2285.172	0.01%	99.95%
86.0	2.523	0.291	2285.463	0.01%	99.96%
87.0	2.273	0.262	2285.725	0.01%	99.97%
88.0	2.017	0.235	2285.961	0.01%	99.98%
89.0	1.754	0.207	2286.167	0.01%	99.99%
90.0	1.629	0.186	2286.353	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1948.11	76.85%	85.21%
0-40	2206.56	87.04%	96.51%
0-60	2262.24	89.24%	98.95%
0-90	2286.17	90.18%	99.99%
0-120	2286.17	90.18%	99.99%
0-180	2286.35	90.19%	100.00%
60-90	23.93	0.94%	1.05%
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%
0-28.10	1829.08	72.15%	80.00%

ZONAL LUMEN SUMMARY

0-10	339.81
10-20	806.60
20-30	801.71
30-40	258.44
40-50	38.36
50-60	17.32
60-70	12.87
70-80	8.12
80-90	2.95
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: ———

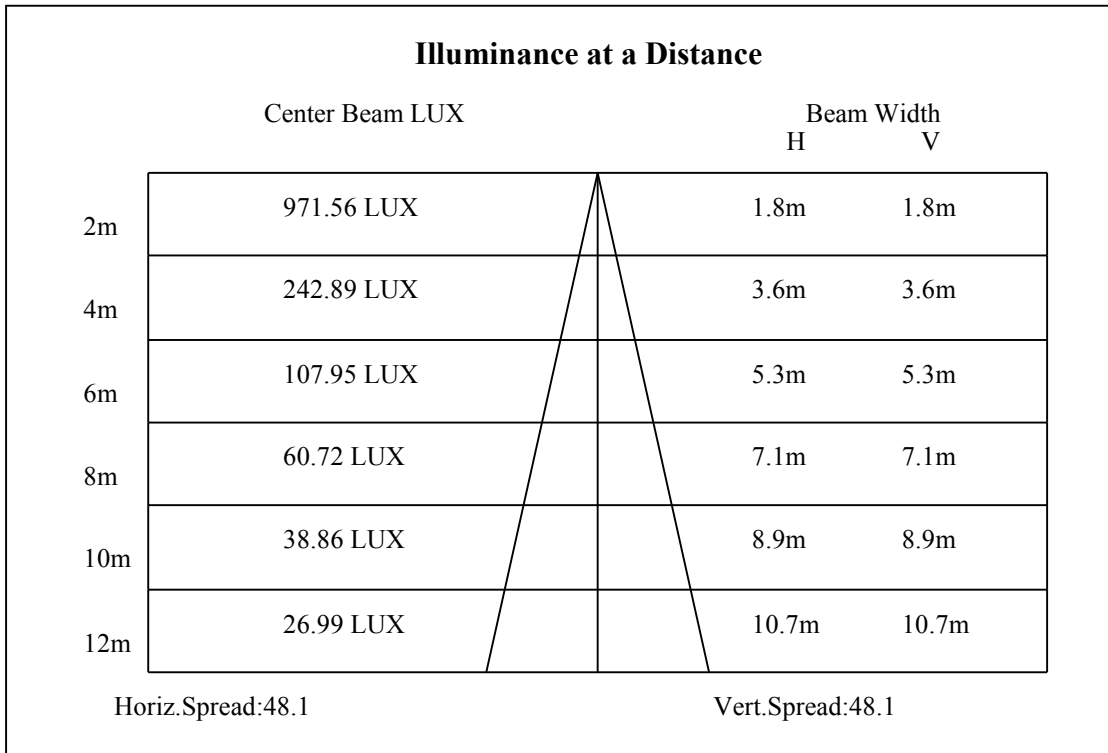
C90/C270: ———

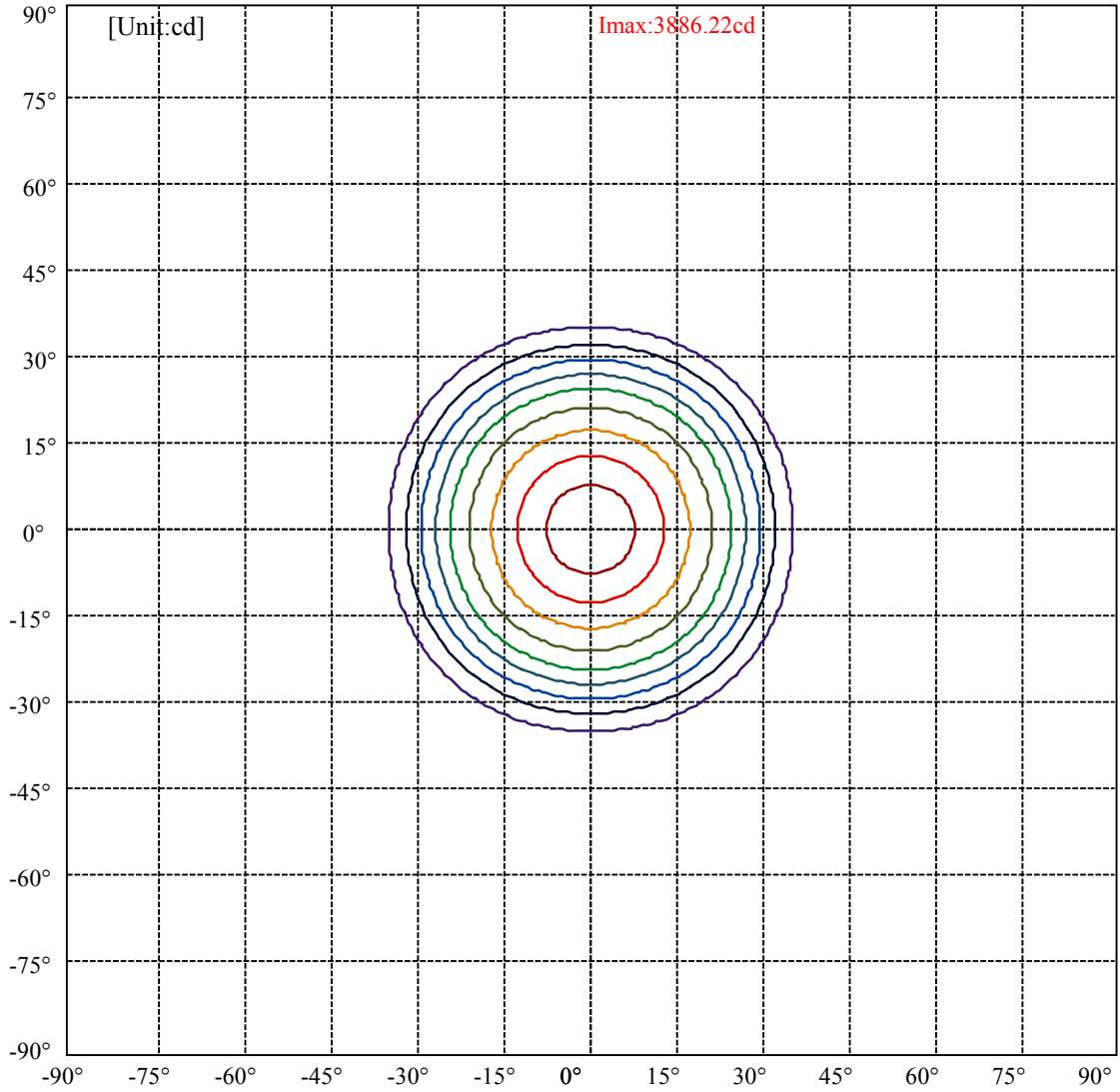
Field angle(10%Imax):C0/180Left:34.7 Right:34.7

:C90/270Left:34.7 Right:34.7

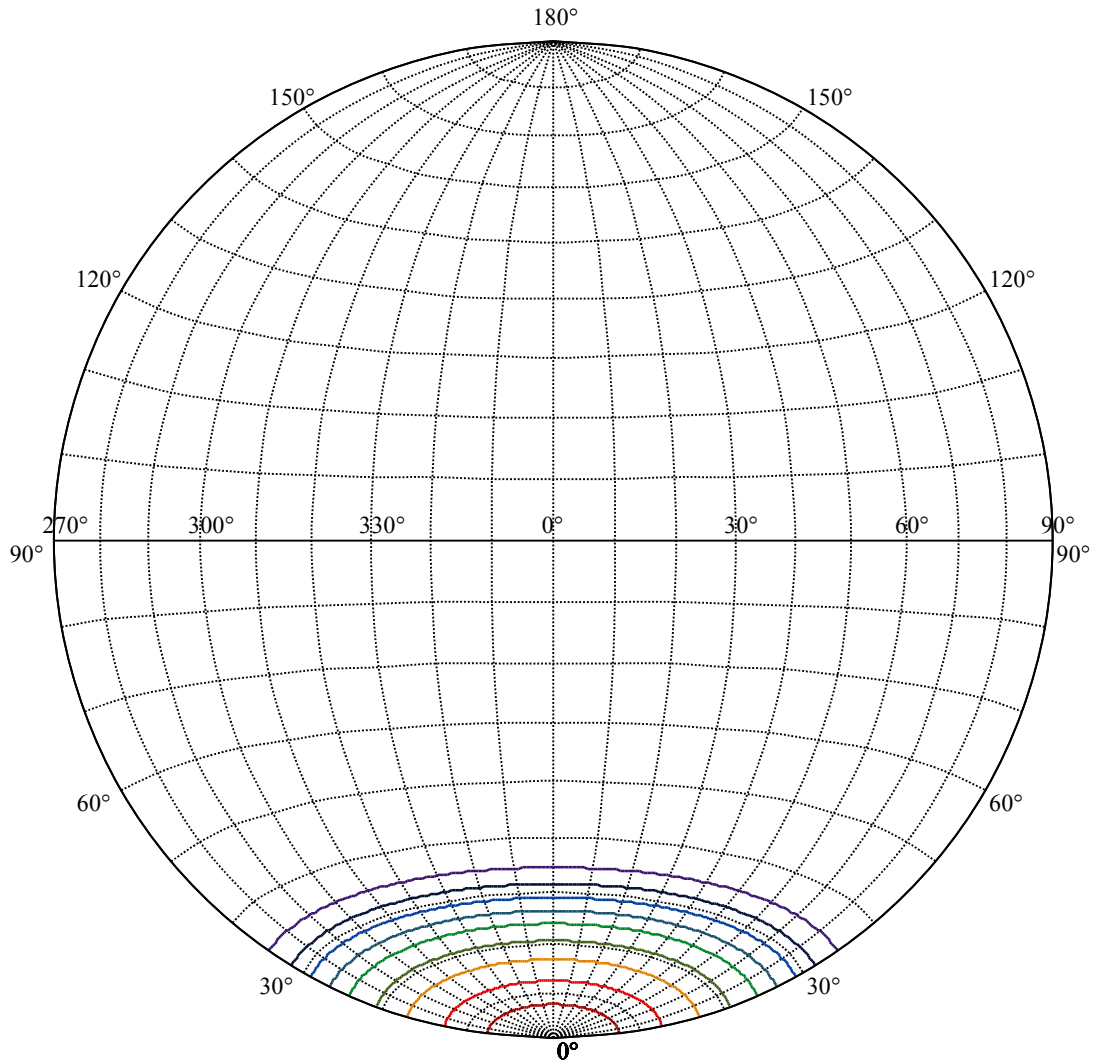
Beam Angle(50%Imax):C0/180Left:24.1 Right:24.1

:C90/270Left:24.1 Right:24.1





(10%Imax) 388.622	—
(20%Imax) 777.244	—
(30%Imax) 1165.87	—
(40%Imax) 1554.49	—
(50%Imax) 1943.11	—
(60%Imax) 2331.73	—
(70%Imax) 2720.36	—
(80%Imax) 3108.98	—
(90%Imax) 3497.6	—



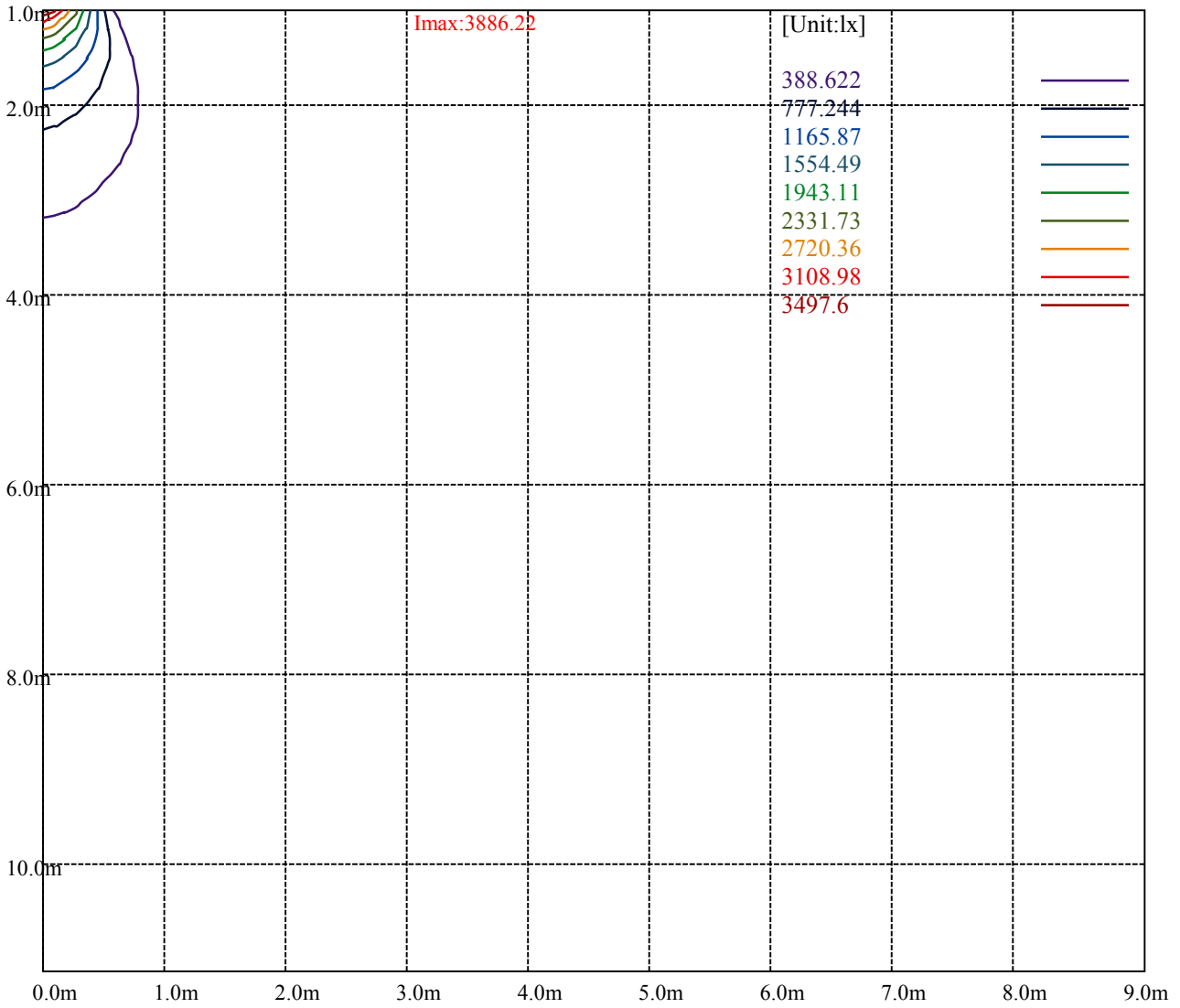
House

[Unit:cd]

Road

Imax:3886.22

(10%Imax)	388.622	—
(20%Imax)	777.244	—
(30%Imax)	1165.87	—
(40%Imax)	1554.49	—
(50%Imax)	1943.11	—
(60%Imax)	2331.73	—
(70%Imax)	2720.36	—
(80%Imax)	3108.98	—
(90%Imax)	3497.6	—



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

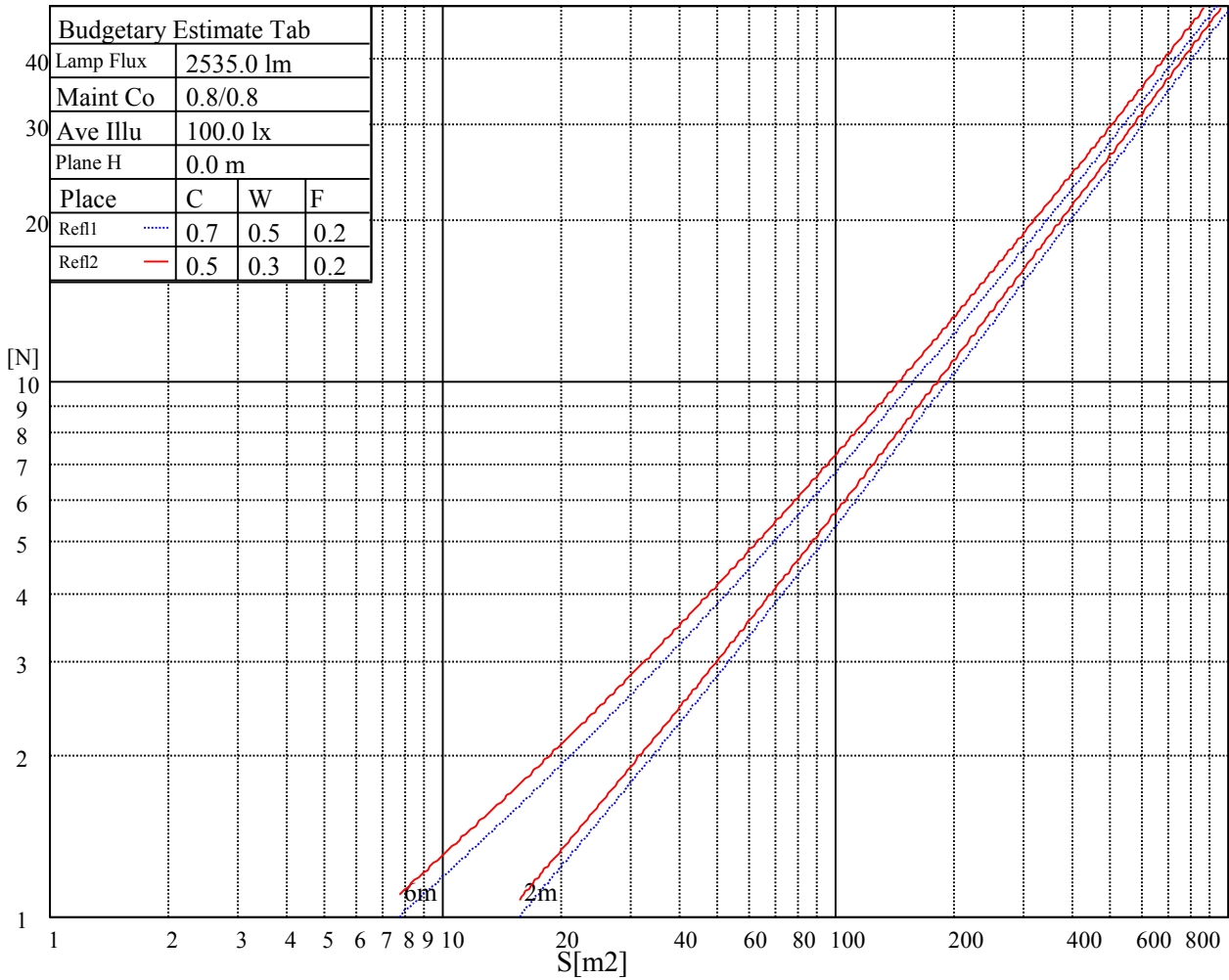
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

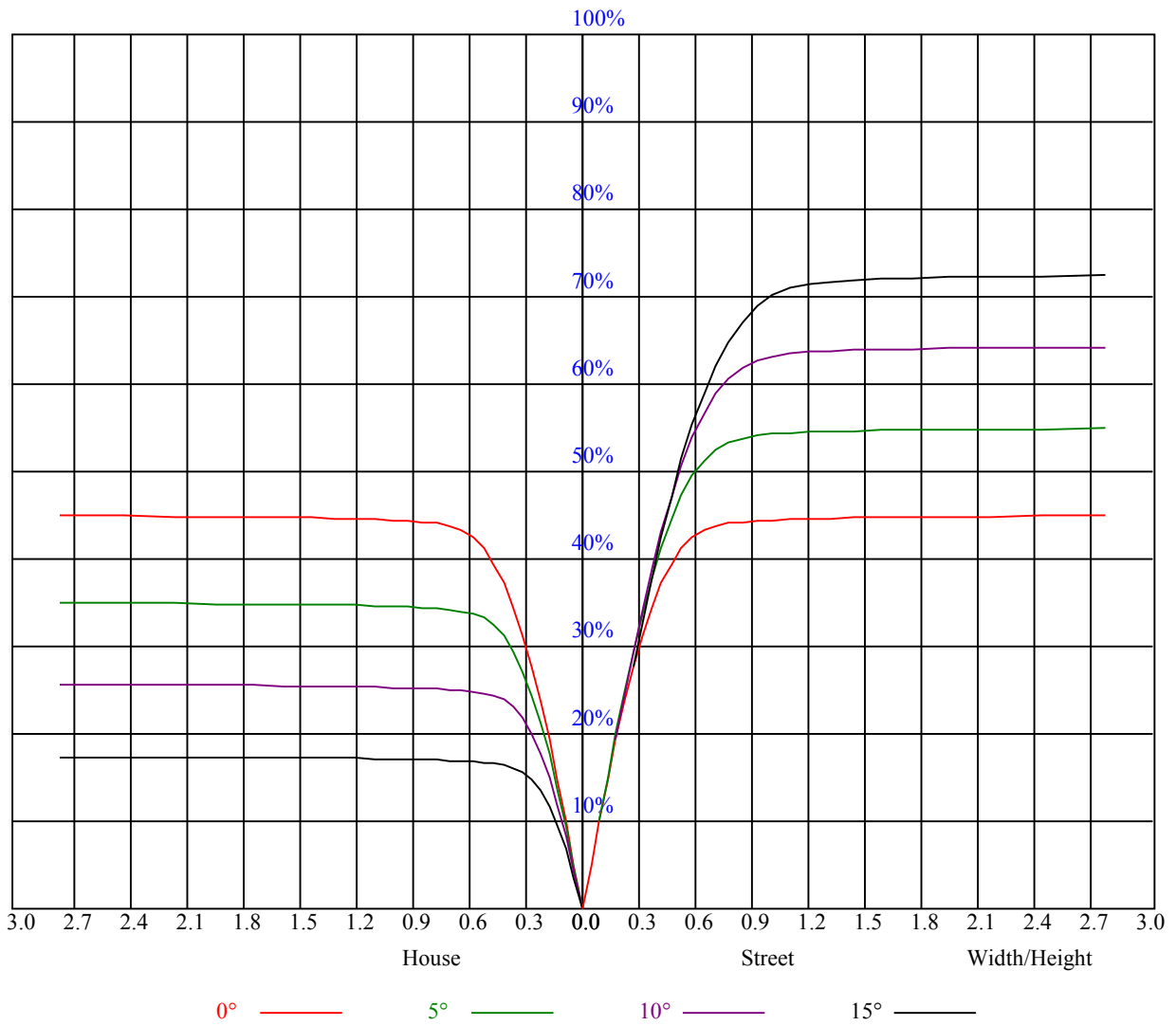


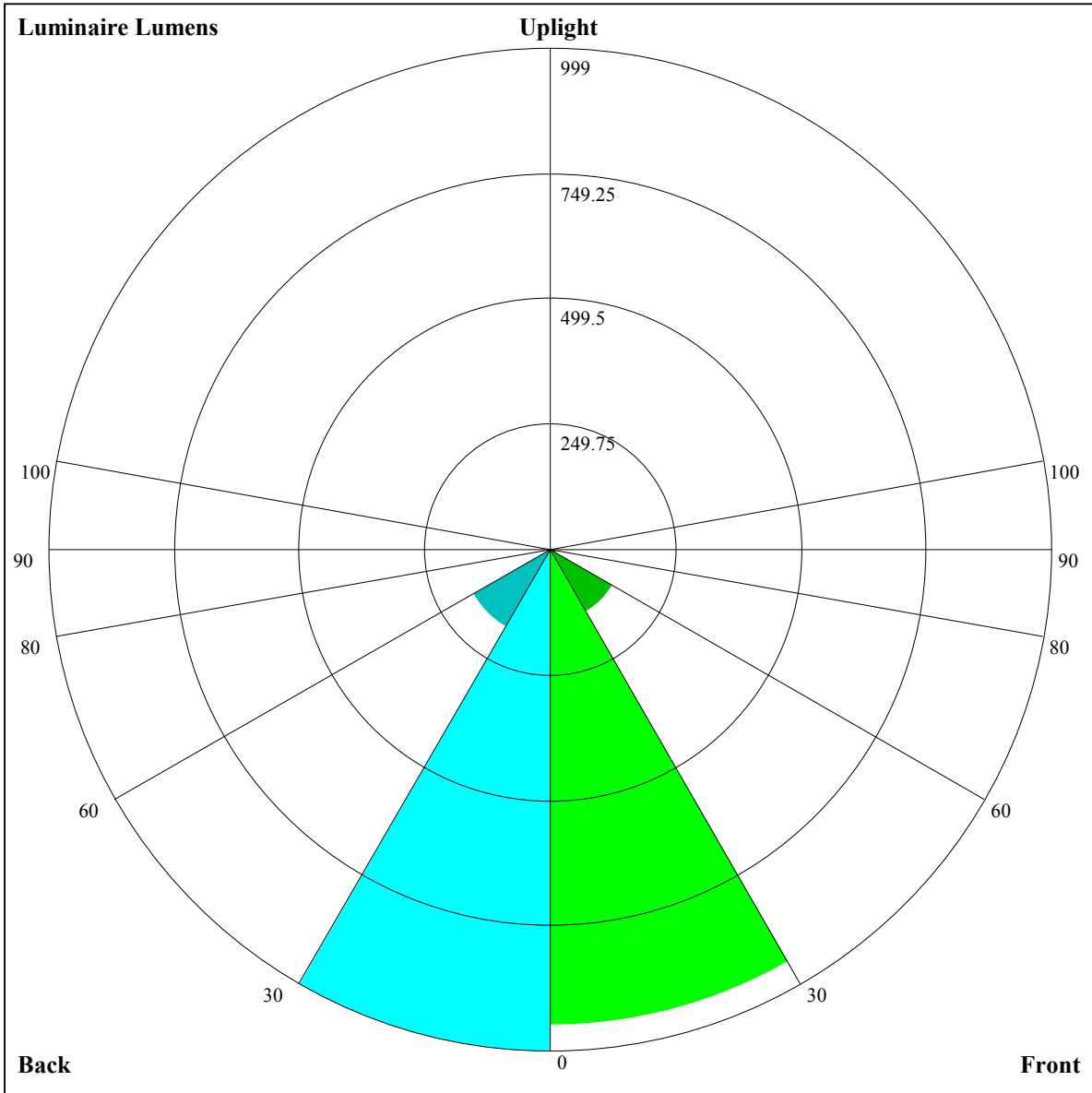
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.97	0.95	0.95	0.93	0.92	0.92	0.90	0.89	0.88	0.88	0.87	0.85
2	0.94	0.91	0.88	0.93	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.82	0.80
3	0.89	0.85	0.81	0.87	0.84	0.81	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.77	0.75	0.73	0.71
5	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
6	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61
8	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58
9	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.55
10	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.52





Luminaire Lumens:

FL=948.98,FM=144.73,FH=11.39,FVH=1.59

BL=999,BM=178.33,BH=9.89,BVH=1.55

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	3870.91	3804.05	3748.86	3685.95	3625.18	3549.44	3497.61	3435.75	3348.86
45.0	3919.38	3873.12	3813.51	3740.51	3658.61	3596.22	3536.04	3453.04	3375.56
90.0	3846.37	3805.16	3700.40	3649.15	3567.26	3493.72	3427.39	3358.32	3287.00
135.0	3908.23	3897.09	3862.56	3778.98	3716.59	3652.52	3589.55	3518.22	3441.90
180.0	3870.91	3894.30	3920.48	3903.24	3859.19	3783.45	3708.23	3658.09	3577.30
225.0	3919.38	3937.19	3927.73	3909.91	3856.98	3768.94	3725.47	3646.37	3576.14
270.0	3846.37	3902.08	3927.15	3912.70	3908.23	3876.48	3828.02	3755.01	3680.90
315.0	3908.23	3903.76	3889.84	3859.19	3788.44	3724.37	3635.80	3559.43	3488.15
360.0	3870.91	3804.05	3748.86	3685.95	3625.18	3549.44	3497.61	3435.75	3348.86
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3268.60	3196.75	3118.74	3027.92	2932.62	2851.31	2768.83	2680.79	2579.40
45.0	3295.35	3229.60	3161.63	3090.89	3015.09	2931.52	2823.97	2723.16	2625.65
90.0	3207.31	3128.78	3016.77	2938.19	2847.42	2764.37	2672.44	2572.72	2460.19
135.0	3355.54	3277.53	3204.00	3123.74	3031.28	2939.87	2851.83	2759.90	2669.12
180.0	3495.35	3412.36	3341.03	3276.96	3205.63	3115.96	3039.64	2947.71	2864.13
225.0	3504.29	3426.29	3351.65	3269.70	3200.06	3118.17	3036.85	2950.49	2875.27
270.0	3597.90	3517.64	3439.11	3351.65	3284.21	3235.75	3149.39	3054.09	2952.70
315.0	3428.49	3350.49	3272.49	3194.49	3104.24	3003.95	2953.80	2827.92	2751.54
360.0	3268.60	3196.75	3118.74	3027.92	2932.62	2851.31	2768.83	2680.79	2579.40
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2459.61	2343.18	2227.28	2109.18	2037.27	1850.09	1762.58	1601.00	1285.10
45.0	2518.11	2416.72	2289.68	2157.64	2033.38	1901.34	1752.59	1587.07	1406.57
90.0	2355.43	2246.78	2149.28	2044.52	1950.38	1779.87	1652.83	1482.89	1056.03
135.0	2572.15	2467.97	2354.33	2252.36	2150.38	2050.10	1930.88	1796.01	1701.87
180.0	2757.11	2654.62	2542.61	2427.28	2353.75	2235.64	2118.06	2006.63	1889.10
225.0	2788.34	2685.84	2566.57	2449.57	2377.14	2210.57	2135.35	2013.88	1827.23
270.0	2869.70	2825.13	2697.51	2634.01	2519.22	2364.89	2293.56	2171.57	2059.56
315.0	2689.15	2553.75	2488.57	2377.14	2256.25	2131.46	2023.34	1914.69	1780.98
360.0	2459.61	2343.18	2227.28	2109.18	2037.27	1850.09	1762.58	1601.00	1285.10
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1093.77	1093.77	920.47	750.59	593.59	453.77	327.04	231.59	175.45
45.0	1238.32	1068.39	897.87	733.51	587.54	451.04	329.04	307.28	215.35
90.0	1056.03	953.33	780.61	616.61	467.12	337.56	242.00	184.44	145.86
135.0	1544.76	1368.67	1193.17	1011.57	837.16	672.80	520.68	383.08	313.96
180.0	1761.47	1624.97	1470.07	1304.60	1136.35	968.10	803.16	644.36	493.40
225.0	1742.55	1593.22	1428.86	1065.23	1065.23	898.92	739.19	586.33	448.25
270.0	1939.77	1826.13	1695.19	1536.40	1366.99	1194.85	1023.81	854.98	687.25
315.0	1626.65	1464.50	1062.50	1062.50	963.79	788.96	655.72	473.17	366.94
360.0	1093.77	1093.77	920.47	750.59	593.59	453.77	327.04	231.59	175.45
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	140.29	113.75	94.82	83.00	69.07	61.45	53.82	47.78	42.73
45.0	157.21	126.31	96.45	86.99	74.22	63.71	55.30	48.46	42.73
90.0	117.48	104.55	82.31	70.64	64.60	53.56	49.83	44.31	39.89
135.0	313.96	155.06	124.89	103.08	86.99	77.06	65.23	58.61	52.14
180.0	355.22	306.75	284.47	137.87	111.06	88.57	77.58	66.70	57.66
225.0	320.05	221.29	161.89	139.03	111.75	85.68	78.06	67.07	58.50
270.0	530.72	387.54	288.36	288.36	150.70	119.90	96.87	80.63	68.02
315.0	256.61	183.81	143.92	115.69	94.77	79.26	67.49	58.45	50.72
360.0	140.29	113.75	94.82	83.00	69.07	61.45	53.82	47.78	42.73

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	38.58	35.11	31.96	29.22	26.75	24.49	22.50	20.71	19.19
45.0	37.79	33.80	30.49	27.49	25.07	22.97	21.34	19.82	18.50
90.0	36.06	32.80	29.96	27.54	25.49	23.60	21.87	20.45	19.03
135.0	46.68	42.21	38.53	35.37	32.59	30.17	28.12	26.18	24.34
180.0	50.41	44.57	39.89	35.95	32.80	30.07	27.60	25.49	23.60
225.0	51.41	45.26	40.32	36.48	33.43	30.64	28.02	25.70	23.81
270.0	58.13	50.30	44.15	39.05	34.74	31.48	28.54	26.07	23.86
315.0	44.94	40.11	36.06	32.64	29.91	27.44	25.23	23.29	21.55
360.0	38.58	35.11	31.96	29.22	26.75	24.49	22.50	20.71	19.19
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.82	16.61	15.45	14.51	13.61	12.93	12.56	12.09	12.30
45.0	17.24	16.40	15.30	14.51	13.93	13.30	12.88	12.88	15.45
90.0	17.77	16.56	15.45	14.51	13.61	12.83	12.40	13.93	15.82
135.0	22.60	21.18	19.66	18.45	17.19	16.14	15.14	14.19	13.56
180.0	21.81	20.18	18.87	17.61	16.87	15.35	14.82	13.88	12.72
225.0	21.92	20.45	19.13	17.87	16.66	15.66	14.98	13.98	12.56
270.0	22.02	20.39	18.82	18.03	16.35	15.24	14.61	13.77	12.93
315.0	20.60	18.66	17.92	16.71	15.19	14.61	13.82	12.93	12.25
360.0	17.82	16.61	15.45	14.51	13.61	12.93	12.56	12.09	12.30
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.40	12.72	13.04	13.35	13.82	14.19	14.30	13.82	12.35
45.0	18.66	15.77	16.82	14.14	22.71	20.92	20.39	20.34	20.55
90.0	16.35	17.08	17.71	18.13	18.29	18.08	17.82	17.56	16.45
135.0	12.88	12.46	12.25	11.83	11.62	11.20	10.72	10.30	9.62
180.0	12.30	11.56	10.88	10.41	9.88	9.46	8.88	8.46	7.99
225.0	12.09	11.30	10.57	10.09	9.57	8.99	8.52	8.09	7.62
270.0	12.09	11.41	10.88	10.41	9.83	9.41	8.99	8.62	8.20
315.0	11.72	11.30	10.78	10.35	9.88	9.36	8.83	8.41	8.04
360.0	12.40	12.72	13.04	13.35	13.82	14.19	14.30	13.82	12.35
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.04	9.57	8.20	6.99	5.99	5.41	4.94	4.57	4.26
45.0	19.71	17.56	14.14	11.46	8.57	6.83	5.52	4.99	4.57
90.0	13.88	11.09	8.99	7.62	6.10	5.05	4.57	4.26	3.89
135.0	8.94	8.30	7.73	6.99	6.25	5.68	5.10	4.78	4.47
180.0	7.62	7.15	6.78	6.41	6.04	5.62	5.20	5.05	4.57
225.0	7.25	6.83	6.47	6.10	5.73	5.31	4.99	4.68	4.26
270.0	7.73	7.36	6.94	6.62	6.15	5.83	5.57	5.15	4.78
315.0	7.62	7.31	6.89	6.62	5.99	5.83	5.41	4.89	4.73
360.0	11.04	9.57	8.20	6.99	5.99	5.41	4.94	4.57	4.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.94	3.68	3.31	3.00	2.79	2.47	2.31	2.00	1.73
45.0	4.26	3.73	3.47	3.15	2.84	2.68	2.37	2.21	2.00
90.0	3.57	3.26	3.05	2.79	2.52	2.37	2.16	1.89	1.89
135.0	4.10	3.73	3.26	3.05	2.73	2.52	2.26	2.00	1.42
180.0	4.21	3.89	3.57	3.21	2.94	2.63	2.31	2.05	1.73
225.0	3.94	3.63	3.21	2.94	2.63	2.26	2.05	1.84	1.58
270.0	4.57	4.10	3.68	3.26	3.05	2.73	2.37	2.10	1.84
315.0	4.26	3.94	3.63	3.26	2.94	2.52	2.37	2.05	1.84
360.0	3.94	3.68	3.31	3.00	2.79	2.47	2.31	2.00	1.73

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	1.68
45.0	2.00
90.0	1.84
135.0	1.42
180.0	1.47
225.0	1.37
270.0	1.52
315.0	1.73
360.0	1.68