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Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.412.00

Report No: 2024821-B003

Ballast type: AC

Test No: 2024821-C002

Voltage(V): 34.790

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.362

Lamp flux(lm): 2131.0

Power (W): 12.590

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1978.94, Efficiency(%): 92.86% , Luminous Efficacy(lm/W): 157.18

Central intensity(cd): 2906.437, Maximum intensity(cd): 2906.437

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=50.4

[C90/270]Total=50.4

Field angle(10%Imax): [C0/180]Total=74.2

[C90/270]Total=74.2

Maximum s/h(1/2): C0_180=0.79 C90_270=0.79

Maximum s/h(1/4): C0_180=0.78 C90_270=0.78

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.86%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.079%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/21
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	2906.437	0.000	0	0.00%	0.00%
1.0	2906.174	2.781	2.781	0.13%	0.14%
2.0	2903.809	8.339	11.12	0.39%	0.56%
3.0	2902.554	13.887	25.007	0.65%	1.26%
4.0	2896.075	19.410	44.417	0.91%	2.24%
5.0	2883.467	24.863	69.28	1.17%	3.50%
6.0	2868.914	30.230	99.511	1.42%	5.03%
7.0	2842.383	35.450	134.961	1.66%	6.82%
8.0	2808.112	40.440	175.4	1.90%	8.86%
9.0	2768.769	45.198	220.598	2.12%	11.15%
10.0	2728.237	49.746	270.344	2.33%	13.66%
11.0	2681.443	54.054	324.397	2.54%	16.39%
12.0	2627.882	58.039	382.436	2.72%	19.33%
13.0	2568.598	61.669	444.105	2.89%	22.44%
14.0	2504.321	64.933	509.038	3.05%	25.72%
15.0	2430.779	67.751	576.789	3.18%	29.15%
16.0	2350.194	70.055	646.844	3.29%	32.69%
17.0	2267.389	71.908	718.752	3.37%	36.32%
18.0	2165.286	73.085	791.837	3.43%	40.01%
19.0	2072.454	73.728	865.565	3.46%	43.74%
20.0	1966.803	73.930	939.495	3.47%	47.47%
21.0	1853.012	73.348	1012.843	3.44%	51.18%
22.0	1761.902	72.643	1085.486	3.41%	54.85%
23.0	1658.275	71.765	1157.251	3.37%	58.48%
24.0	1556.454	70.286	1227.536	3.30%	62.03%
25.0	1471.546	68.850	1296.386	3.23%	65.51%
26.0	1369.378	67.060	1363.447	3.15%	68.90%
27.0	1244.601	63.952	1427.398	3.00%	72.13%
28.0	1164.995	61.006	1488.404	2.86%	75.21%
29.0	1080.153	58.739	1547.144	2.76%	78.18%
30.0	983.747	55.725	1602.868	2.61%	81.00%
31.0	875.711	51.746	1654.614	2.43%	83.61%
32.0	772.688	47.225	1701.839	2.22%	86.00%
33.0	660.954	42.236	1744.075	1.98%	88.13%
34.0	557.708	36.880	1780.955	1.73%	90.00%
35.0	468.509	31.871	1812.826	1.50%	91.61%
36.0	371.308	26.740	1839.565	1.25%	92.96%
37.0	294.613	21.719	1861.284	1.02%	94.05%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	241.610	17.898	1879.182	0.84%	94.96%
39.0	180.684	14.414	1893.597	0.68%	95.69%
40.0	150.105	11.537	1905.133	0.54%	96.27%
41.0	95.145	8.733	1913.867	0.41%	96.71%
42.0	75.486	6.199	1920.066	0.29%	97.03%
43.0	62.530	5.113	1925.178	0.24%	97.28%
44.0	52.563	4.344	1929.522	0.20%	97.50%
45.0	44.672	3.737	1933.259	0.18%	97.69%
46.0	38.561	3.255	1936.514	0.15%	97.86%
47.0	33.620	2.871	1939.385	0.13%	98.00%
48.0	29.580	2.555	1941.94	0.12%	98.13%
49.0	26.281	2.294	1944.234	0.11%	98.25%
50.0	23.568	2.078	1946.312	0.10%	98.35%
51.0	21.367	1.901	1948.213	0.09%	98.45%
52.0	19.540	1.755	1949.969	0.08%	98.54%
53.0	18.009	1.633	1951.602	0.08%	98.62%
54.0	16.669	1.528	1953.13	0.07%	98.70%
55.0	15.513	1.437	1954.567	0.07%	98.77%
56.0	14.520	1.357	1955.924	0.06%	98.84%
57.0	13.581	1.285	1957.209	0.06%	98.90%
58.0	12.832	1.221	1958.43	0.06%	98.96%
59.0	12.116	1.166	1959.597	0.05%	99.02%
60.0	11.452	1.113	1960.71	0.05%	99.08%
61.0	10.867	1.065	1961.775	0.05%	99.13%
62.0	10.368	1.023	1962.798	0.05%	99.18%
63.0	9.888	0.985	1963.784	0.05%	99.23%
64.0	9.474	0.950	1964.734	0.04%	99.28%
65.0	9.238	0.926	1965.66	0.04%	99.33%
66.0	9.054	0.913	1966.572	0.04%	99.38%
67.0	8.909	0.903	1967.476	0.04%	99.42%
68.0	8.666	0.890	1968.366	0.04%	99.47%
69.0	8.502	0.876	1969.242	0.04%	99.51%
70.0	8.338	0.865	1970.107	0.04%	99.55%
71.0	8.246	0.857	1970.964	0.04%	99.60%
72.0	7.714	0.830	1971.794	0.04%	99.64%
73.0	7.267	0.783	1972.577	0.04%	99.68%
74.0	6.623	0.730	1973.307	0.03%	99.72%
75.0	5.953	0.664	1973.972	0.03%	99.75%

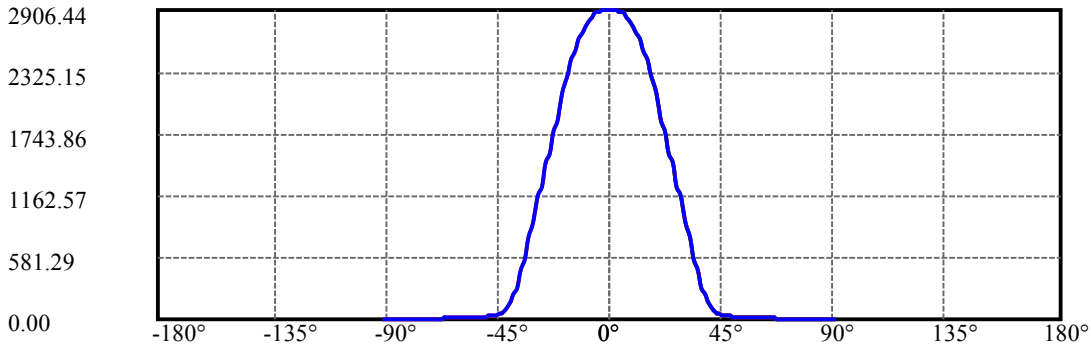
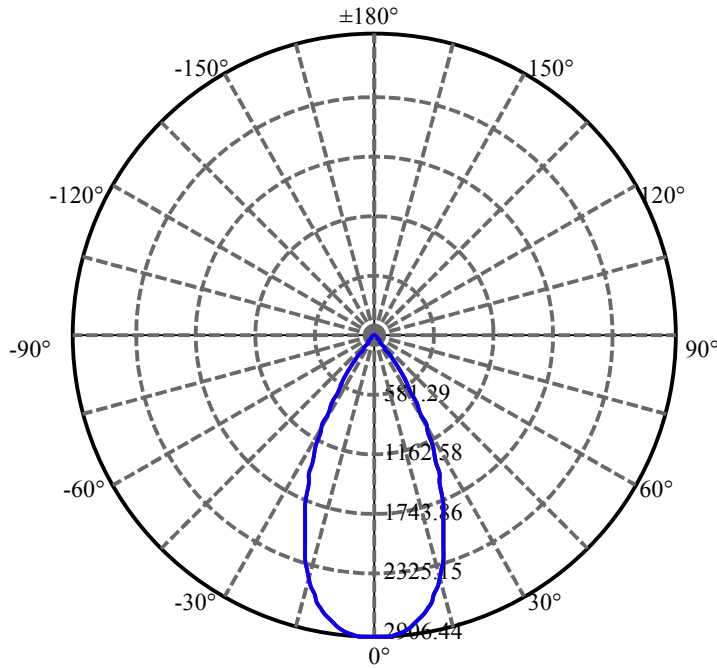
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.355	0.600	1974.572	0.03%	99.78%
77.0	4.829	0.543	1975.115	0.03%	99.81%
78.0	4.402	0.494	1975.609	0.02%	99.83%
79.0	4.028	0.453	1976.062	0.02%	99.85%
80.0	3.673	0.415	1976.477	0.02%	99.88%
81.0	3.390	0.382	1976.859	0.02%	99.89%
82.0	3.042	0.349	1977.208	0.02%	99.91%
83.0	2.727	0.314	1977.521	0.01%	99.93%
84.0	2.477	0.283	1977.805	0.01%	99.94%
85.0	2.181	0.254	1978.059	0.01%	99.96%
86.0	1.938	0.225	1978.284	0.01%	99.97%
87.0	1.728	0.201	1978.485	0.01%	99.98%
88.0	1.478	0.176	1978.661	0.01%	99.99%
89.0	1.235	0.149	1978.809	0.01%	99.99%
90.0	1.117	0.129	1978.938	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1602.87	75.22%	81.00%
0-40	1905.13	89.40%	96.27%
0-60	1960.71	92.01%	99.08%
0-90	1978.81	92.86%	99.99%
0-120	1978.81	92.86%	99.99%
0-180	1978.94	92.86%	100.00%
60-90	18.10	0.85%	0.91%
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%
0-29.65	1583.15	74.29%	80.00%

ZONAL LUMEN SUMMARY

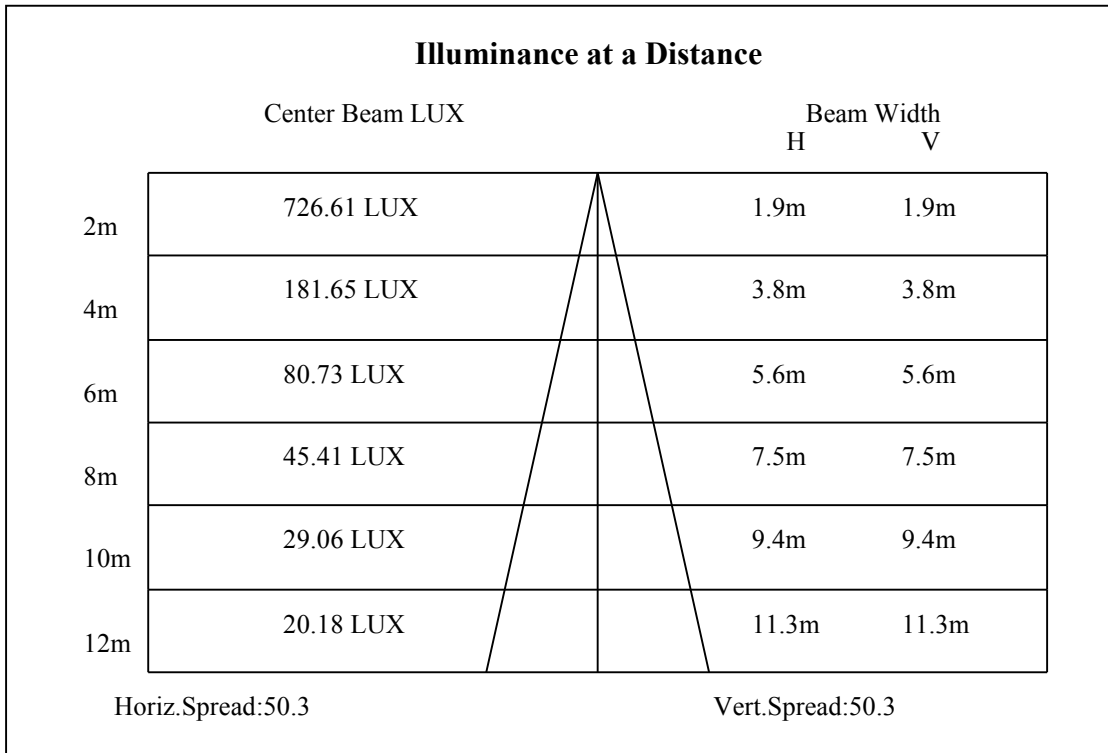
0-10	270.34
10-20	669.15
20-30	663.37
30-40	302.26
40-50	41.18
50-60	14.40
60-70	9.40
70-80	6.37
80-90	2.33
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

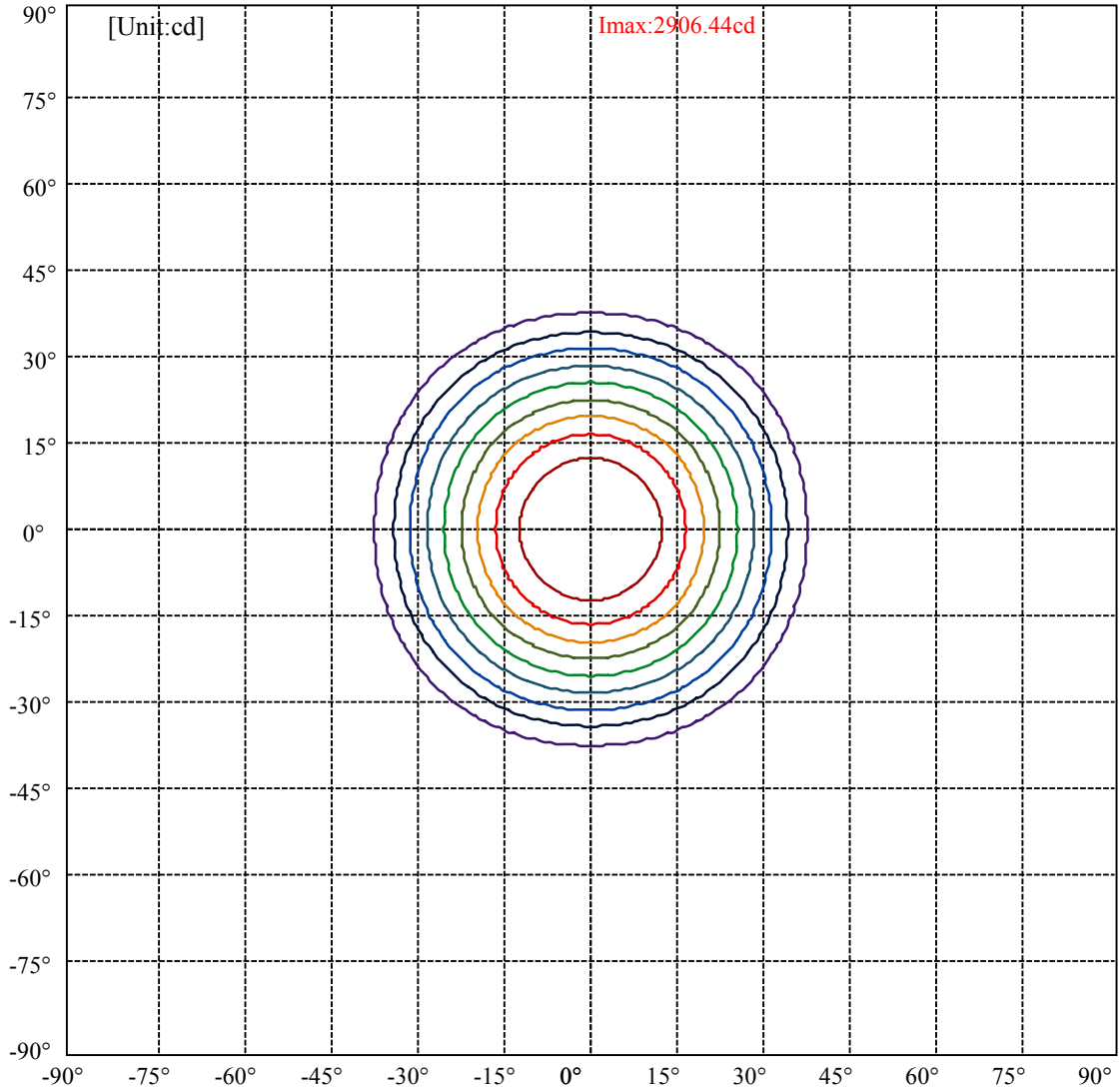


C0(Max): ———
C0/C180: ———
C90/C270: ———

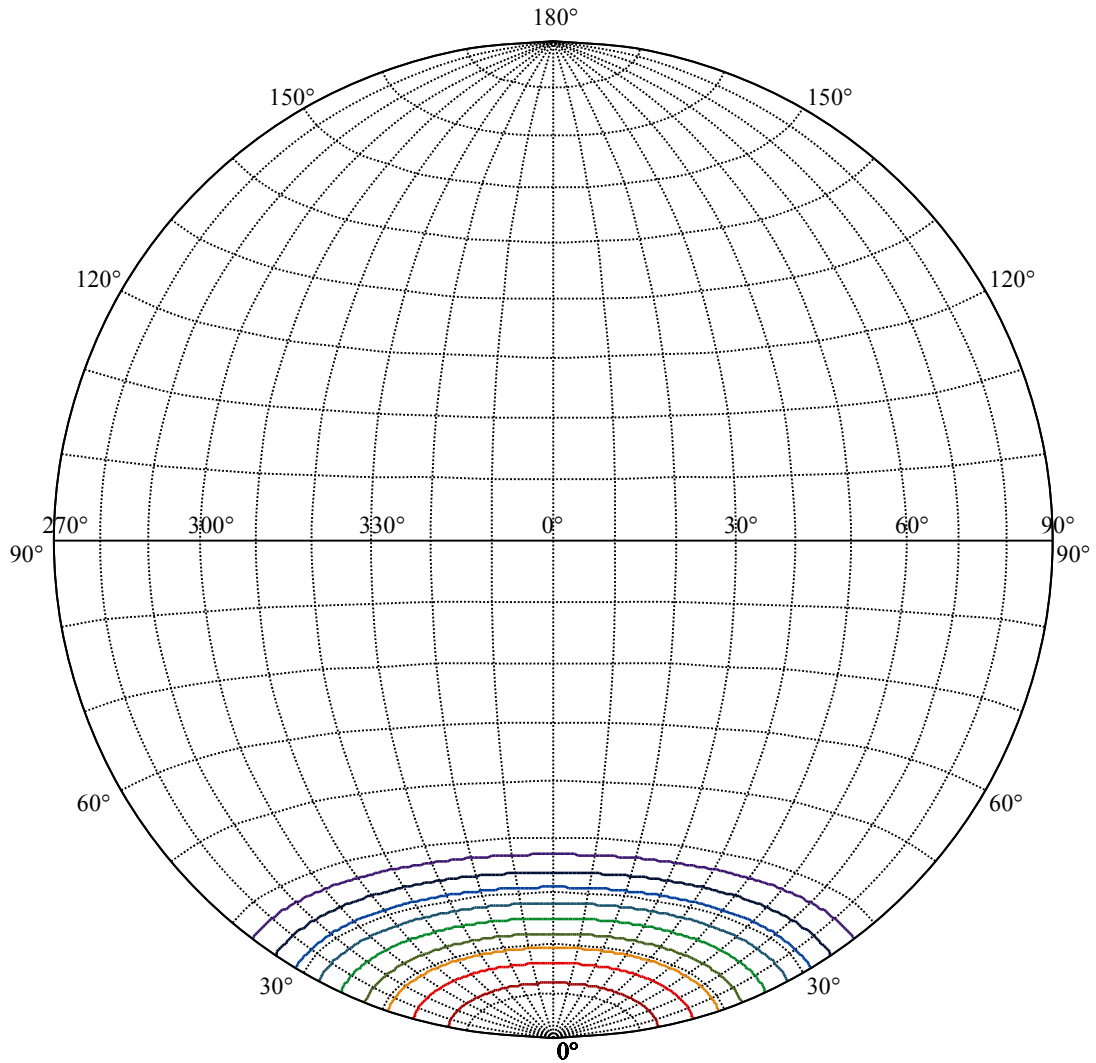
Field angle(10%Imax):C0/180Left:37.1 Right:37.1
:C90/270Left:37.1 Right:37.1

Beam Angle(50%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2





(10%Imax) 290.644	—
(20%Imax) 581.287	—
(30%Imax) 871.931	—
(40%Imax) 1162.57	—
(50%Imax) 1453.22	—
(60%Imax) 1743.86	—
(70%Imax) 2034.51	—
(80%Imax) 2325.15	—
(90%Imax) 2615.79	—



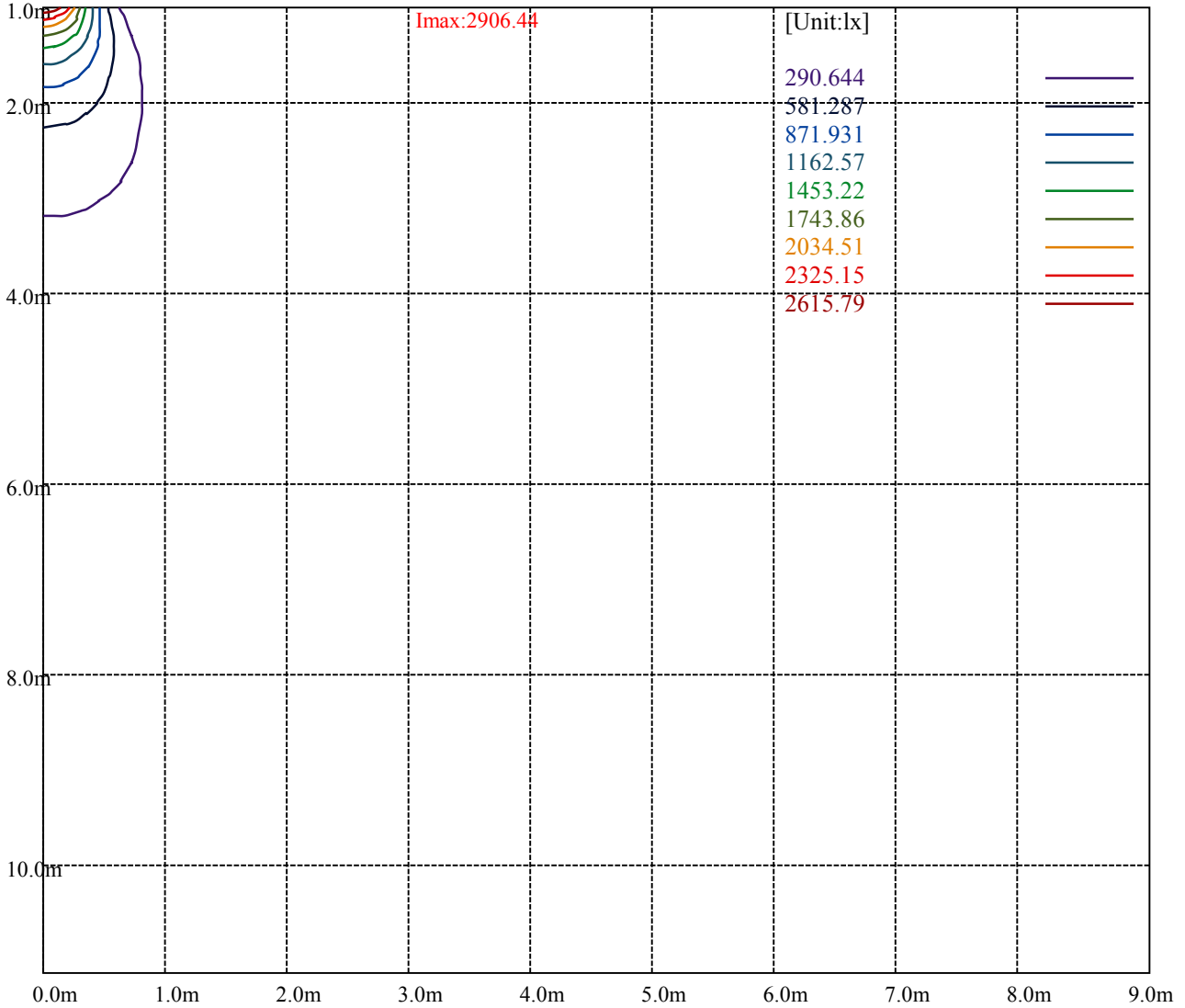
House

[Unit:cd]

Road

Imax:2906.44

(10%Imax) 290.644	—
(20%Imax) 581.287	—
(30%Imax) 871.931	—
(40%Imax) 1162.57	—
(50%Imax) 1453.22	—
(60%Imax) 1743.86	—
(70%Imax) 2034.51	—
(80%Imax) 2325.15	—
(90%Imax) 2615.79	—



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

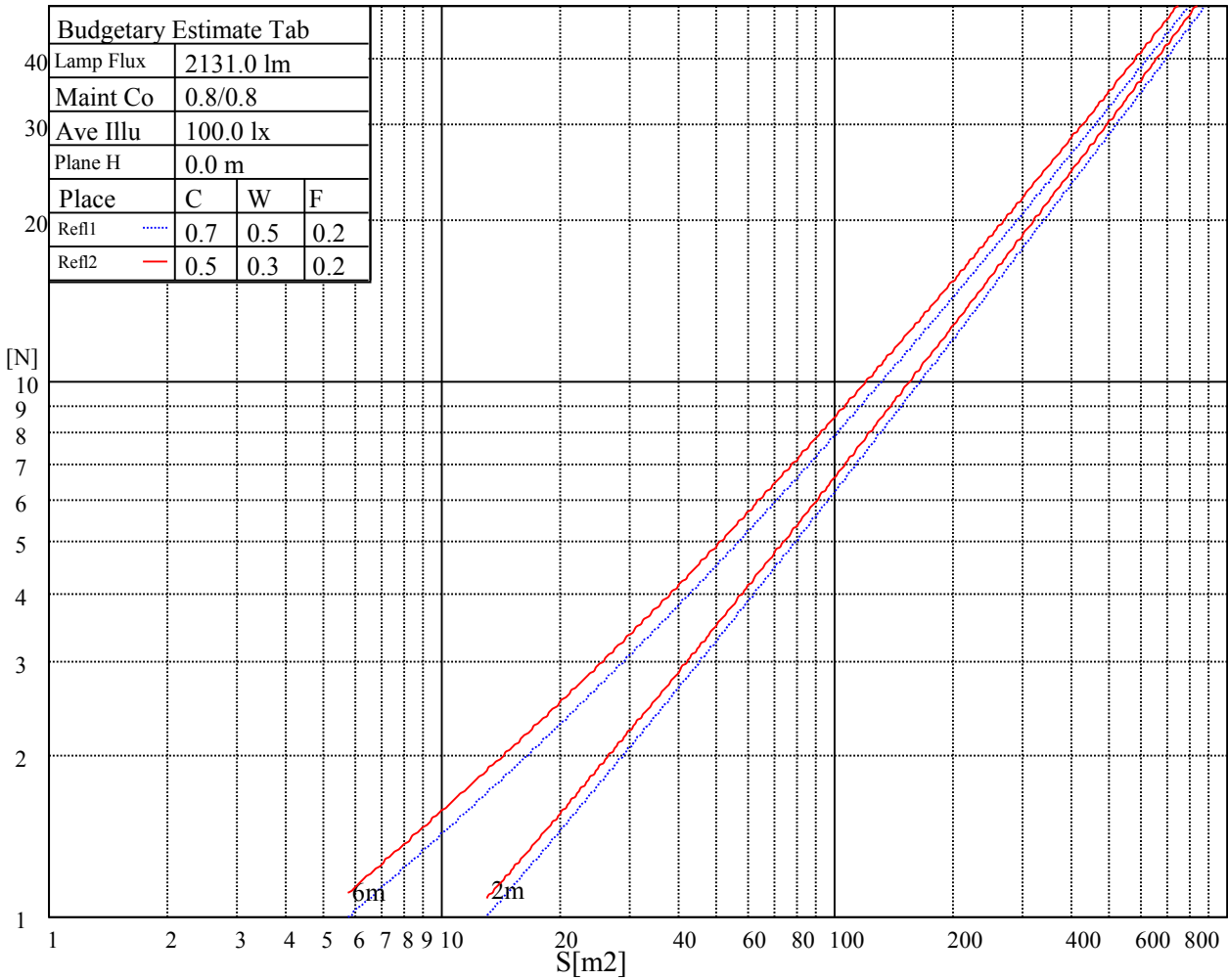
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

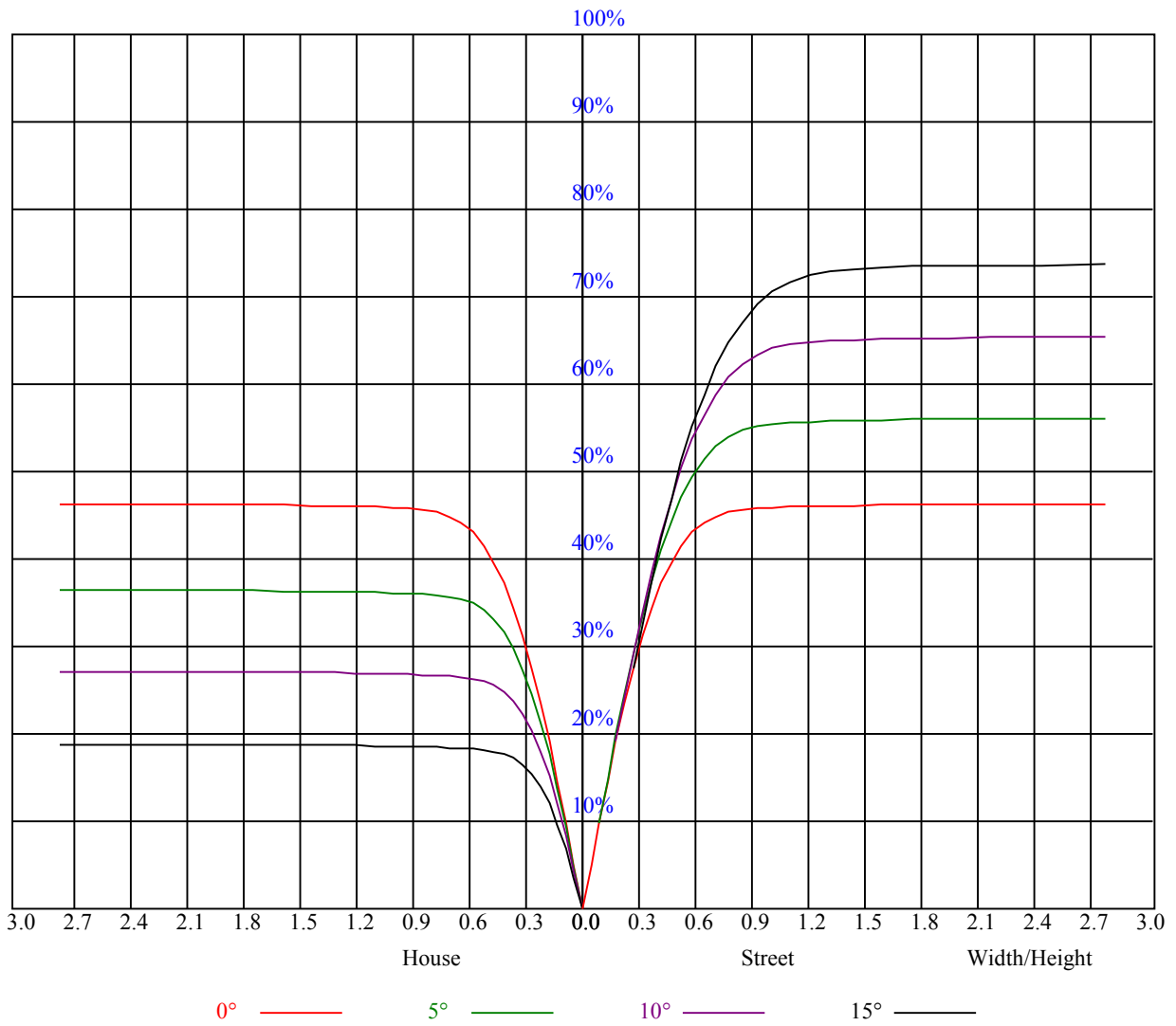


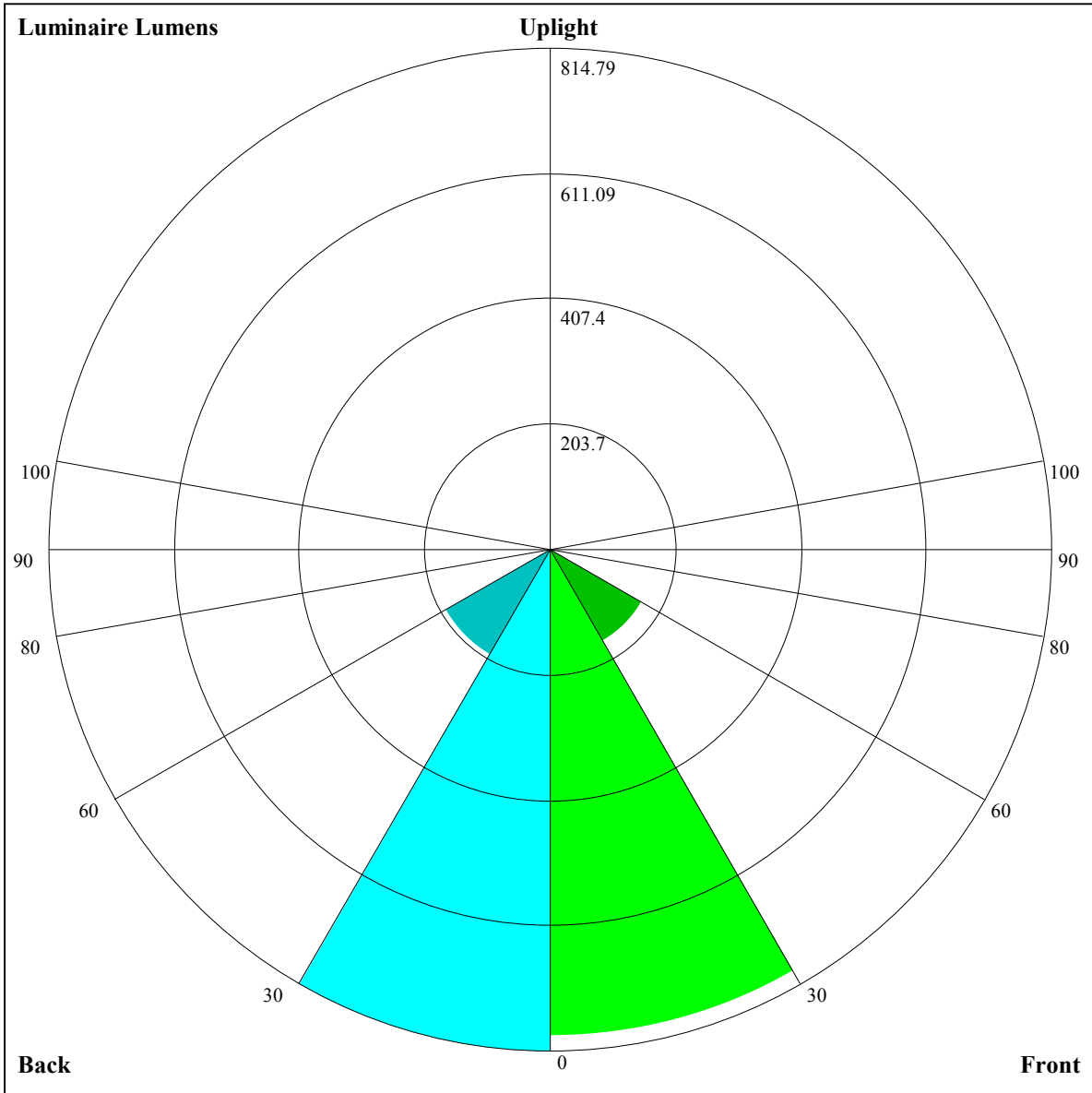
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.86	0.83	0.89	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.68
6	0.76	0.71	0.67	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
7	0.72	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.62	0.61
8	0.69	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.52





Luminaire Lumens:

FL=789.06,FM=170.04,FH=7.4,FVH=1.13

BL=814.79,BM=197.02,BH=8.44,BVH=1.32

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	2913.12	2919.85	2922.63	2910.33	2907.02	2904.24	2880.85	2852.41	2818.98
45.0	2899.19	2913.12	2924.26	2926.52	2940.98	2938.19	2918.69	2904.24	2874.12
90.0	2913.12	2914.80	2925.42	2921.48	2917.59	2899.19	2873.01	2842.95	2819.56
135.0	2901.98	2908.13	2901.45	2904.24	2883.63	2877.48	2862.97	2835.12	2801.16
180.0	2913.12	2901.98	2894.20	2886.42	2887.52	2871.91	2851.31	2822.34	2788.34
225.0	2895.88	2890.31	2878.59	2871.91	2861.87	2849.62	2837.38	2803.95	2768.83
270.0	2913.12	2900.87	2888.62	2893.62	2878.59	2849.62	2869.70	2842.95	2807.26
315.0	2901.98	2900.35	2895.30	2905.92	2891.41	2877.48	2857.40	2835.12	2786.65
360.0	2913.12	2919.85	2922.63	2910.33	2907.02	2904.24	2880.85	2852.41	2818.98
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2781.66	2728.73	2669.12	2598.90	2532.62	2454.04	2378.24	2284.68	2181.61
45.0	2832.91	2793.91	2742.66	2688.62	2620.08	2577.72	2451.83	2361.53	2297.45
90.0	2774.41	2729.83	2670.23	2610.62	2545.39	2471.86	2380.50	2282.42	2181.61
135.0	2766.05	2724.84	2680.27	2626.76	2570.46	2503.08	2432.33	2357.64	2269.60
180.0	2754.33	2729.83	2699.19	2648.47	2609.47	2558.22	2503.08	2443.47	2377.14
225.0	2733.20	2695.30	2652.41	2616.19	2559.90	2492.46	2428.39	2359.90	2283.00
270.0	2771.62	2737.61	2702.55	2656.30	2604.47	2549.33	2504.18	2439.53	2364.31
315.0	2735.98	2685.84	2635.12	2577.19	2506.39	2427.86	2367.68	2272.38	2184.39
360.0	2781.66	2728.73	2669.12	2598.90	2532.62	2454.04	2378.24	2284.68	2181.61
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2072.96	1958.74	1852.30	1738.66	1648.94	1552.01	1459.50	1384.29	1269.49
45.0	2146.49	2083.52	1969.88	1850.09	1734.72	1619.40	1507.44	1403.21	1307.39
90.0	2076.27	1959.27	1833.38	1720.27	1657.30	1508.54	1413.83	1359.21	1229.38
135.0	2169.89	2071.28	1965.42	1852.88	1739.77	1676.80	1528.04	1469.54	1374.82
180.0	2286.31	2235.06	2142.03	1998.85	1933.09	1839.48	1740.29	1637.22	1538.61
225.0	2191.59	2090.78	1984.92	1877.95	1776.51	1682.37	1585.44	1485.68	1387.07
270.0	2280.74	2210.57	2105.23	2013.88	1930.88	1812.20	1735.88	1647.26	1554.22
315.0	2098.03	1970.41	1881.26	1771.51	1674.01	1575.40	1481.21	1385.97	1294.04
360.0	2072.96	1958.74	1852.30	1738.66	1648.94	1552.01	1459.50	1384.29	1269.49
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1060.45	1060.45	997.69	881.11	766.83	655.51	544.71	435.64	336.77
45.0	1217.72	1122.42	1016.56	910.12	805.42	698.40	595.32	500.61	446.57
90.0	1079.21	1034.80	922.68	810.25	705.81	600.11	498.50	406.31	320.00
135.0	1284.00	1194.27	1092.88	982.55	874.48	769.73	670.01	574.19	483.36
180.0	1443.89	1354.22	1262.81	1163.63	1052.77	942.45	828.81	715.11	603.15
225.0	1323.58	1095.56	1046.26	1024.65	911.12	796.43	690.20	585.76	483.89
270.0	1469.54	1379.82	1284.57	1183.71	1077.27	970.88	859.98	746.33	633.80
315.0	1078.42	1078.42	1017.77	913.96	811.99	748.02	600.11	497.71	440.53
360.0	1060.45	1060.45	997.69	881.11	766.83	655.51	544.71	435.64	336.77
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	246.41	173.88	119.90	98.29	70.49	62.60	52.35	45.10	39.05
45.0	322.89	287.25	287.25	124.57	92.30	74.01	60.71	51.56	44.73
90.0	240.74	175.45	128.62	99.08	86.62	65.65	58.98	50.30	43.31
135.0	394.74	315.64	315.64	170.04	130.62	114.22	84.99	75.48	63.71
180.0	498.40	398.69	308.96	308.96	276.64	124.99	93.40	75.27	61.18
225.0	389.49	304.60	228.96	176.29	118.42	89.62	75.16	58.55	50.30
270.0	528.46	428.75	336.24	318.42	318.42	146.54	109.59	87.25	69.96
315.0	349.33	272.64	207.31	149.80	107.33	83.52	68.70	56.71	48.25
360.0	246.41	173.88	119.90	98.29	70.49	62.60	52.35	45.10	39.05

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	33.96	29.86	26.44	23.76	21.50	19.61	18.08	16.71	15.45
45.0	38.69	33.59	29.44	25.97	23.34	20.97	19.19	17.77	16.40
90.0	37.58	33.01	29.17	26.07	23.44	21.29	19.45	17.87	16.56
135.0	54.98	47.57	41.79	36.85	32.85	29.54	26.65	24.39	22.39
180.0	50.57	43.47	37.63	32.96	29.01	25.76	23.18	21.03	19.34
225.0	43.05	36.90	31.85	27.81	24.34	21.71	19.66	17.98	16.61
270.0	57.08	47.99	40.89	35.16	30.64	26.96	24.02	21.60	19.71
315.0	41.47	36.11	31.75	28.07	25.12	22.71	20.71	18.98	17.61
360.0	33.96	29.86	26.44	23.76	21.50	19.61	18.08	16.71	15.45
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.45	13.56	12.72	12.04	11.35	10.78	10.35	9.67	9.30
45.0	15.19	14.61	13.67	12.51	12.09	11.41	10.72	10.20	9.72
90.0	15.35	14.30	13.40	12.56	11.83	11.14	10.51	10.25	9.57
135.0	20.60	19.03	17.77	16.56	15.45	14.88	13.61	12.83	12.50
180.0	17.77	16.35	15.24	14.24	13.67	12.51	12.09	11.41	10.83
225.0	15.30	14.35	13.46	12.67	12.04	11.41	10.78	10.30	9.88
270.0	18.08	16.66	15.45	14.56	13.56	12.67	12.09	11.46	10.88
315.0	16.61	15.24	14.45	13.51	12.67	12.14	11.46	10.83	10.35
360.0	14.45	13.56	12.72	12.04	11.35	10.78	10.35	9.67	9.30
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.94	8.52	8.20	7.78	7.46	7.04	6.68	6.36	6.04
45.0	9.20	8.73	8.41	7.99	7.57	7.25	6.83	6.52	6.10
90.0	9.30	8.88	8.30	7.99	7.62	7.25	6.83	6.41	6.04
135.0	11.46	11.14	10.62	10.20	9.67	9.20	8.78	8.36	7.83
180.0	10.35	9.78	9.41	9.25	9.15	8.99	8.94	8.94	8.94
225.0	9.62	9.46	10.35	10.51	11.04	11.09	11.51	11.72	12.67
270.0	10.35	9.83	9.57	9.93	10.25	10.41	10.67	10.88	11.09
315.0	9.88	9.46	9.04	8.78	8.52	8.09	7.78	7.52	7.25
360.0	8.94	8.52	8.20	7.78	7.46	7.04	6.68	6.36	6.04
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.68	5.26	4.99	4.68	4.26	3.94	3.68	3.26	2.94
45.0	5.73	5.47	5.15	4.68	4.52	4.10	3.68	3.47	3.05
90.0	5.73	5.31	4.99	4.63	4.26	3.89	3.47	3.21	2.84
135.0	7.41	6.99	6.57	6.15	5.78	5.31	4.94	4.52	4.10
180.0	8.41	7.78	7.10	6.57	5.94	5.52	4.99	4.63	4.21
225.0	10.62	9.36	7.57	6.36	5.62	5.05	4.57	4.21	3.89
270.0	11.20	11.30	10.35	8.57	7.04	5.89	5.15	4.68	4.31
315.0	6.94	6.68	6.25	5.99	5.41	4.94	4.73	4.26	4.05
360.0	5.68	5.26	4.99	4.68	4.26	3.94	3.68	3.26	2.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.68	2.37	2.10	1.84	1.58	1.37	1.21	0.95	0.68
45.0	2.73	2.31	2.10	1.79	1.58	1.31	1.10	0.89	0.63
90.0	2.47	2.26	1.94	1.73	1.47	1.26	1.05	0.84	0.79
135.0	3.84	3.47	3.05	2.84	2.42	2.16	1.89	1.58	1.37
180.0	3.89	3.57	3.15	2.89	2.63	2.37	2.10	1.84	1.52
225.0	3.63	3.26	3.00	2.79	2.42	2.26	2.10	1.84	1.58
270.0	4.10	3.73	3.31	3.15	2.73	2.52	2.26	2.05	1.79
315.0	3.78	3.36	3.15	2.79	2.63	2.26	2.10	1.84	1.52
360.0	2.68	2.37	2.10	1.84	1.58	1.37	1.21	0.95	0.68

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.79
45.0	0.63
90.0	0.79
135.0	1.26
180.0	1.26
225.0	1.42
270.0	1.52
315.0	1.26
360.0	0.79