



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86 750 3771111
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:

LumCAT: 2-2565-L

Luminaire: 92.70.412.00

Report No: 2024820-B004

Ballast type: AC

Test No: 2024820-C004

Voltage(V): 34.800

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.362

Lamp flux(lm): 2137.0

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): 1929.73, Efficiency(%): 90.30% , Luminous Efficacy(lm/W): 153.27

Central intensity(cd): 5799.930, Maximum intensity(cd): 5799.930

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.0

[C90/270]Total=26.0

Field angle(10%Imax): [C0/180]Total=63.2

[C90/270]Total=63.2

Maximum s/h(1/2): C0_180=0.43 C90_270=0.43

Maximum s/h(1/4): C0_180=0.49 C90_270=0.49

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.30%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.942%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/20
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	5799.930	0.000	0	0.00%	0.00%
1.0	5768.734	5.535	5.535	0.26%	0.29%
2.0	5689.135	16.445	21.981	0.77%	1.14%
3.0	5539.674	26.856	48.836	1.26%	2.53%
4.0	5370.429	36.520	85.356	1.71%	4.42%
5.0	5141.578	45.222	130.578	2.12%	6.77%
6.0	4887.307	52.704	183.283	2.47%	9.50%
7.0	4598.969	58.881	242.164	2.76%	12.55%
8.0	4297.970	63.674	305.837	2.98%	15.85%
9.0	4001.077	67.259	373.097	3.15%	19.33%
10.0	3697.555	69.670	442.766	3.26%	22.94%
11.0	3432.003	71.239	514.005	3.33%	26.64%
12.0	3147.837	71.927	585.933	3.37%	30.36%
13.0	2895.596	71.720	657.653	3.36%	34.08%
14.0	2670.497	71.245	728.898	3.33%	37.77%
15.0	2441.370	70.178	799.076	3.28%	41.41%
16.0	2242.375	68.630	867.706	3.21%	44.97%
17.0	2067.585	67.118	934.824	3.14%	48.44%
18.0	1911.784	65.611	1000.435	3.07%	51.84%
19.0	1755.154	63.797	1064.232	2.99%	55.15%
20.0	1619.825	61.771	1126.004	2.89%	58.35%
21.0	1511.178	60.122	1186.125	2.81%	61.47%
22.0	1402.256	58.547	1244.672	2.74%	64.50%
23.0	1298.307	56.665	1301.337	2.65%	67.44%
24.0	1192.505	54.458	1355.795	2.55%	70.26%
25.0	1129.292	52.793	1408.588	2.47%	72.99%
26.0	1063.931	51.771	1460.359	2.42%	75.68%
27.0	986.756	50.171	1510.53	2.35%	78.28%
28.0	897.222	47.698	1558.228	2.23%	80.75%
29.0	807.485	44.600	1602.828	2.09%	83.06%
30.0	719.935	41.240	1644.068	1.93%	85.20%
31.0	632.439	37.635	1681.703	1.76%	87.15%
32.0	544.745	33.725	1715.428	1.58%	88.89%
33.0	465.783	29.771	1745.198	1.39%	90.44%
34.0	383.089	25.689	1770.887	1.20%	91.77%
35.0	310.894	21.553	1792.44	1.01%	92.89%
36.0	260.933	18.207	1810.647	0.85%	93.83%
37.0	202.444	15.113	1825.76	0.71%	94.61%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	159.271	12.074	1837.833	0.56%	95.24%
39.0	105.789	9.047	1846.881	0.42%	95.71%
40.0	86.143	6.694	1853.574	0.31%	96.05%
41.0	71.906	5.628	1859.203	0.26%	96.35%
42.0	62.760	4.893	1864.095	0.23%	96.60%
43.0	55.854	4.394	1868.489	0.21%	96.83%
44.0	48.975	3.957	1872.445	0.19%	97.03%
45.0	43.850	3.567	1876.013	0.17%	97.22%
46.0	39.021	3.241	1879.254	0.15%	97.38%
47.0	35.171	2.951	1882.205	0.14%	97.54%
48.0	31.951	2.713	1884.918	0.13%	97.68%
49.0	29.350	2.517	1887.435	0.12%	97.81%
50.0	27.352	2.364	1889.799	0.11%	97.93%
51.0	25.480	2.235	1892.035	0.10%	98.05%
52.0	24.074	2.126	1894.161	0.10%	98.16%
53.0	22.917	2.044	1896.205	0.10%	98.26%
54.0	21.938	1.977	1898.182	0.09%	98.37%
55.0	21.202	1.926	1900.108	0.09%	98.46%
56.0	20.591	1.889	1901.997	0.09%	98.56%
57.0	20.131	1.862	1903.858	0.09%	98.66%
58.0	19.652	1.840	1905.698	0.09%	98.75%
59.0	19.258	1.819	1907.517	0.09%	98.85%
60.0	18.640	1.790	1909.308	0.08%	98.94%
61.0	18.003	1.749	1911.056	0.08%	99.03%
62.0	17.188	1.696	1912.752	0.08%	99.12%
63.0	16.084	1.618	1914.37	0.08%	99.20%
64.0	14.829	1.517	1915.887	0.07%	99.28%
65.0	13.430	1.399	1917.286	0.07%	99.36%
66.0	12.162	1.277	1918.562	0.06%	99.42%
67.0	10.769	1.153	1919.715	0.05%	99.48%
68.0	9.593	1.031	1920.747	0.05%	99.53%
69.0	8.509	0.923	1921.67	0.04%	99.58%
70.0	7.595	0.827	1922.497	0.04%	99.63%
71.0	6.886	0.748	1923.246	0.04%	99.66%
72.0	6.301	0.686	1923.931	0.03%	99.70%
73.0	5.834	0.635	1924.566	0.03%	99.73%
74.0	5.427	0.592	1925.158	0.03%	99.76%
75.0	4.987	0.550	1925.708	0.03%	99.79%

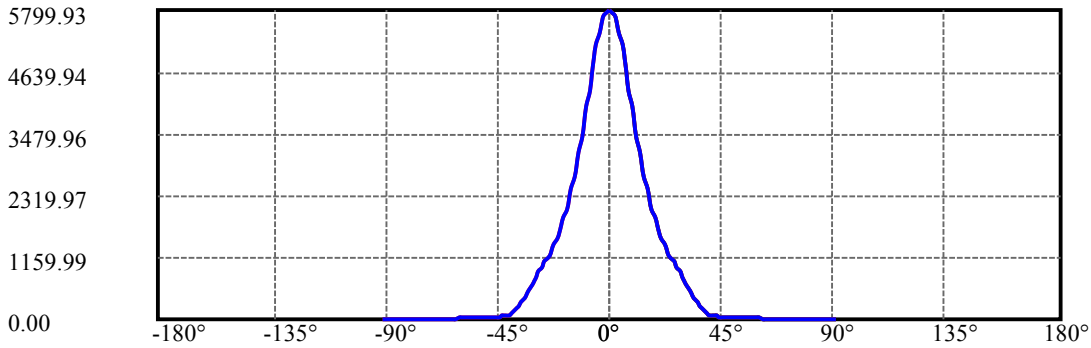
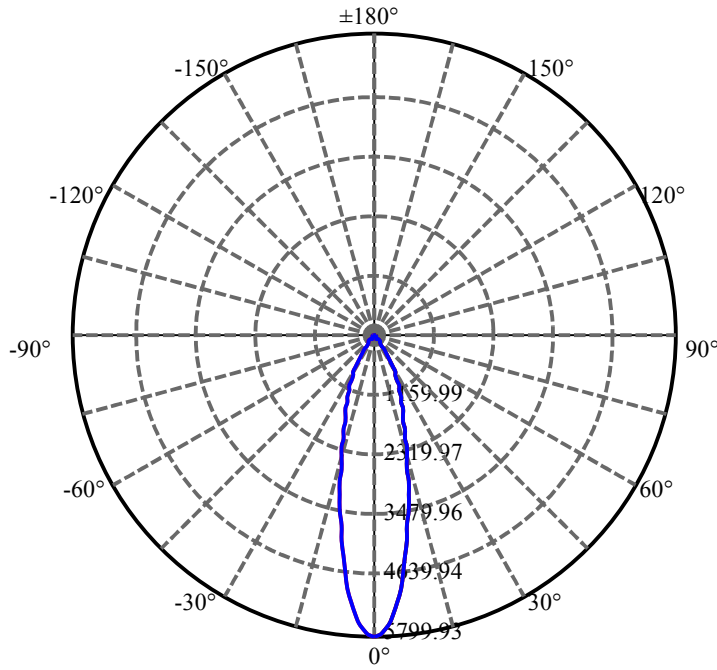
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.606	0.509	1926.218	0.02%	99.82%
77.0	4.244	0.472	1926.689	0.02%	99.84%
78.0	3.863	0.434	1927.123	0.02%	99.86%
79.0	3.476	0.394	1927.518	0.02%	99.89%
80.0	3.160	0.358	1927.876	0.02%	99.90%
81.0	2.779	0.321	1928.197	0.02%	99.92%
82.0	2.464	0.284	1928.481	0.01%	99.94%
83.0	2.142	0.250	1928.731	0.01%	99.95%
84.0	1.859	0.218	1928.949	0.01%	99.96%
85.0	1.590	0.188	1929.138	0.01%	99.97%
86.0	1.340	0.160	1929.298	0.01%	99.98%
87.0	1.156	0.137	1929.434	0.01%	99.98%
88.0	1.005	0.118	1929.553	0.01%	99.99%
89.0	0.782	0.098	1929.651	0.00%	100.00%
90.0	0.677	0.080	1929.731	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1644.07	76.93%	85.20%
0-40	1853.57	86.74%	96.05%
0-60	1909.31	89.35%	98.94%
0-90	1929.65	90.30%	100.00%
0-120	1929.65	90.30%	100.00%
0-180	1929.73	90.30%	100.00%
60-90	20.34	0.95%	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%
0-27.70	1543.79	72.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	442.77
10-20	683.24
20-30	518.06
30-40	209.51
40-50	36.23
50-60	19.51
60-70	13.19
70-80	5.38
80-90	1.78
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: ———

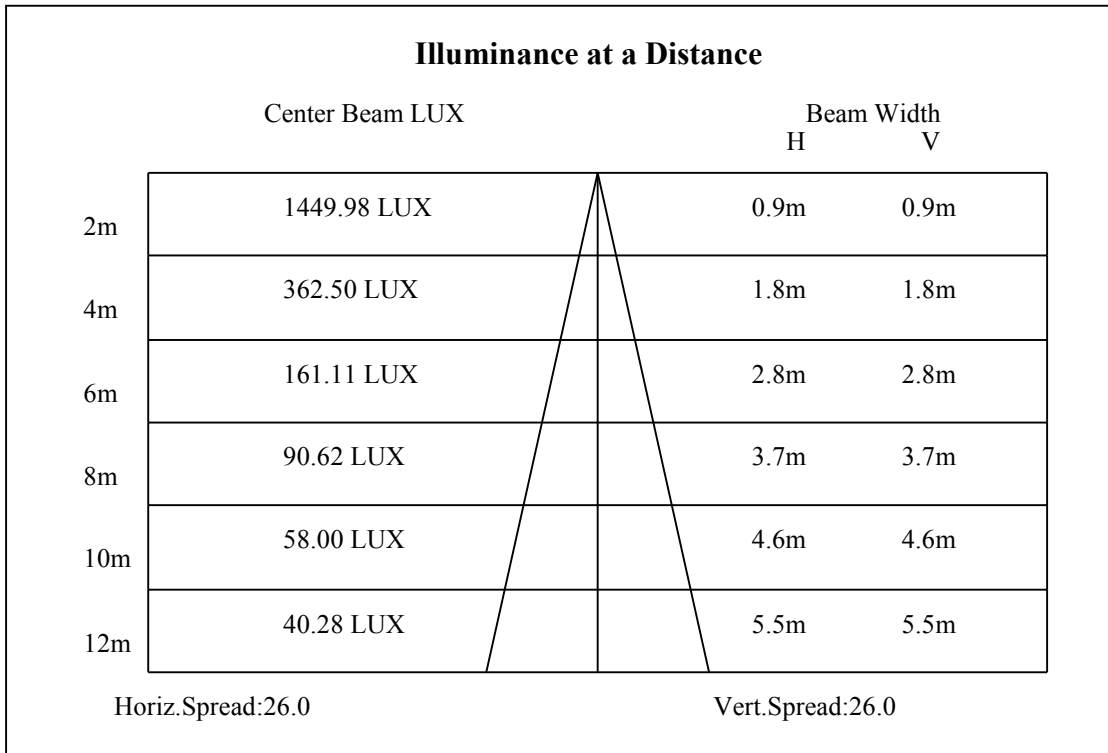
C90/C270: ———

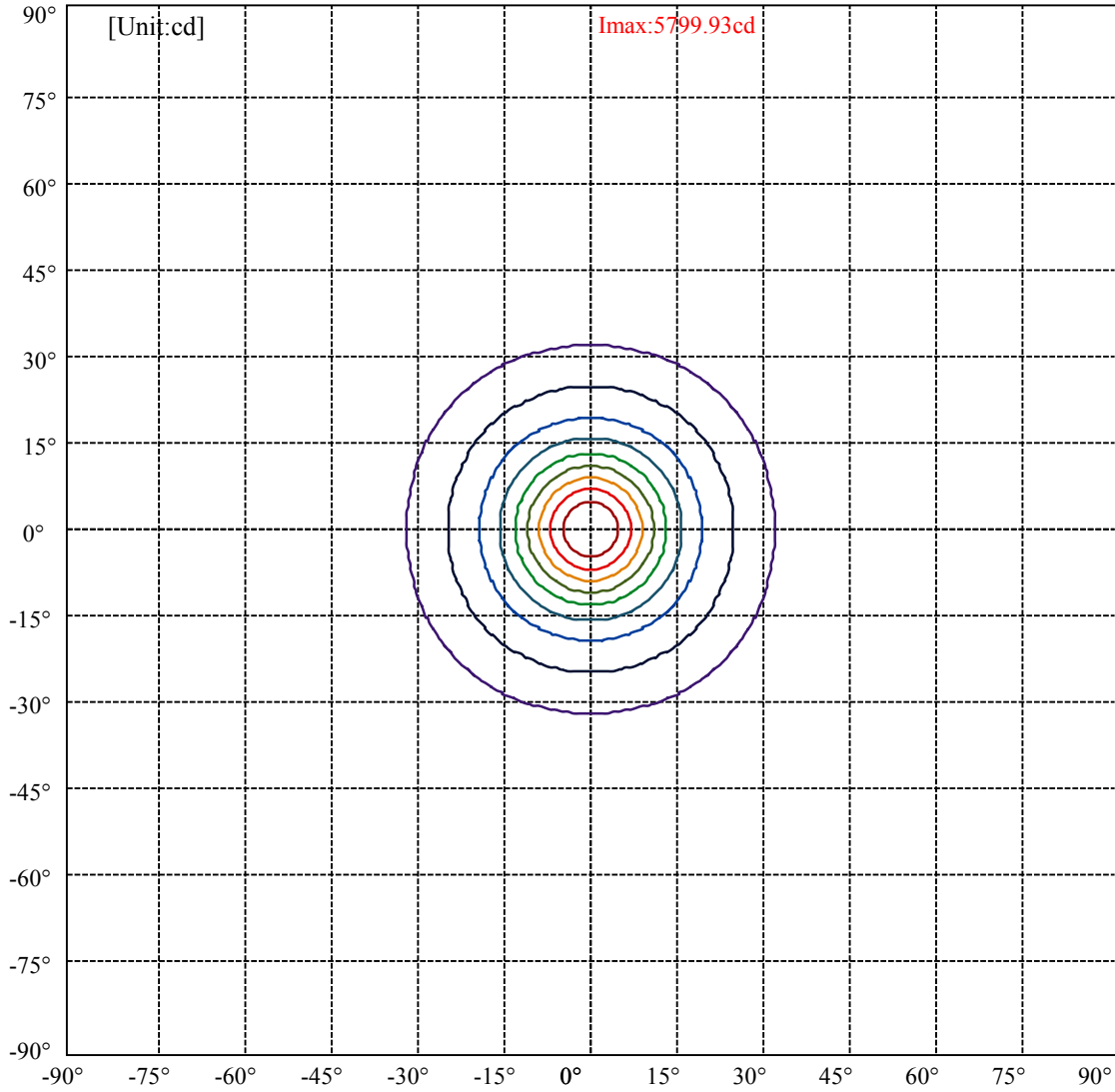
Field angle(10%Imax):C0/180Left:31.6 Right:31.6

:C90/270Left:31.6 Right:31.6

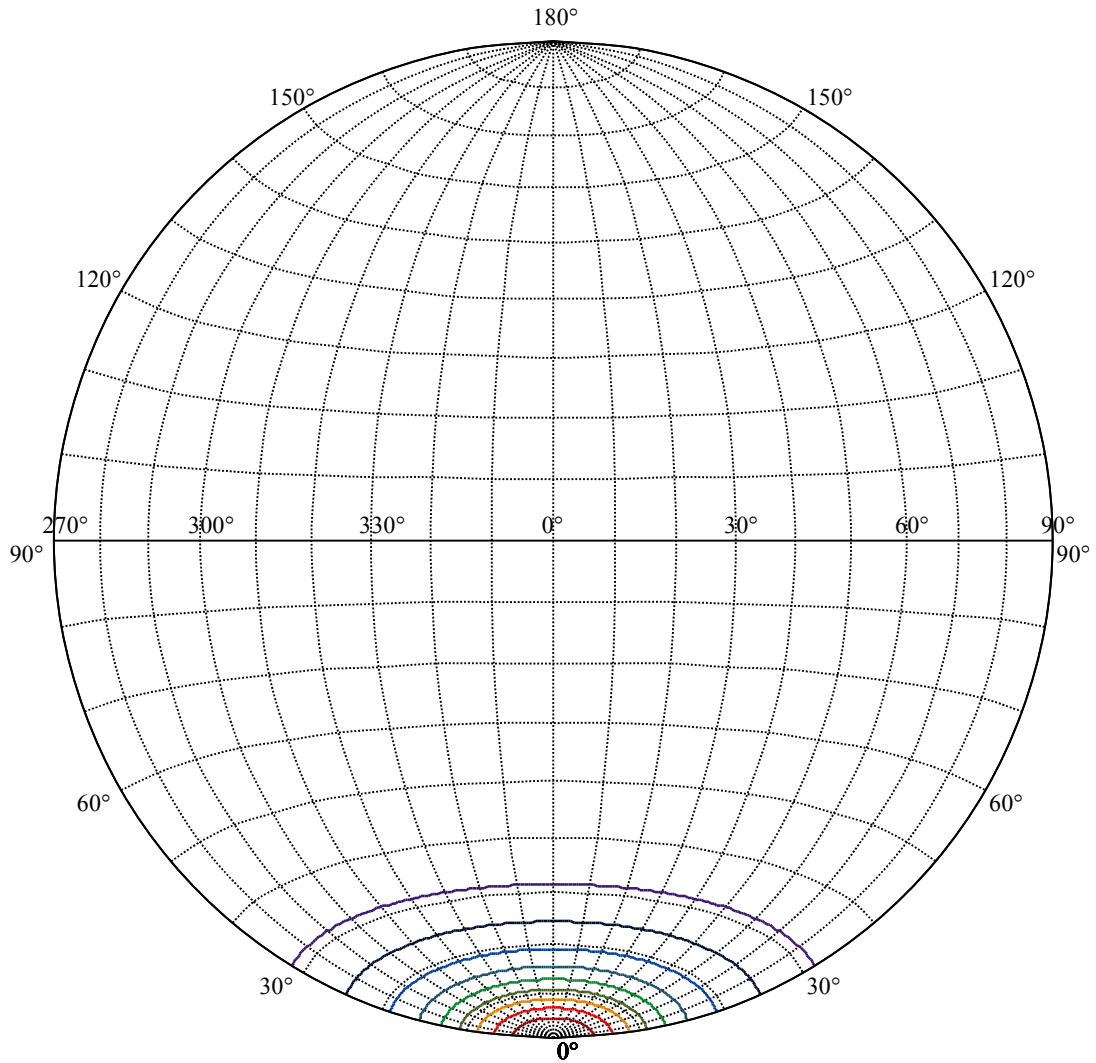
Beam Angle(50%Imax):C0/180Left:13.0 Right:13.0

:C90/270Left:13.0 Right:13.0





(10%Imax) 579.993	—
(20%Imax) 1159.99	—
(30%Imax) 1739.98	—
(40%Imax) 2319.97	—
(50%Imax) 2899.97	—
(60%Imax) 3479.96	—
(70%Imax) 4059.95	—
(80%Imax) 4639.94	—
(90%Imax) 5219.94	—



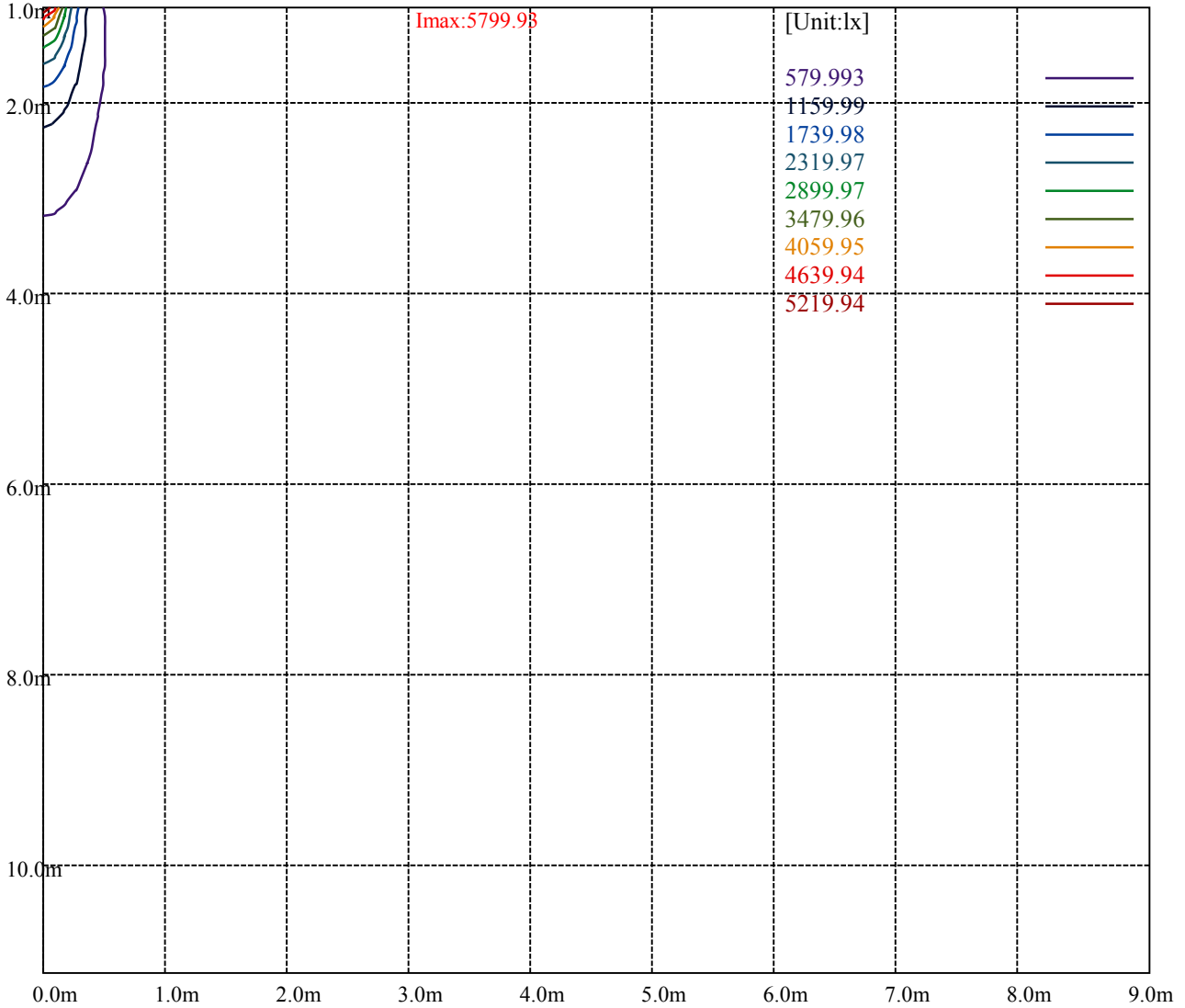
House

[Unit:cd]

Road

Imax:5799.93

(10%Imax) 579.993	—
(20%Imax) 1159.99	—
(30%Imax) 1739.98	—
(40%Imax) 2319.97	—
(50%Imax) 2899.97	—
(60%Imax) 3479.96	—
(70%Imax) 4059.95	—
(80%Imax) 4639.94	—
(90%Imax) 5219.94	—



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

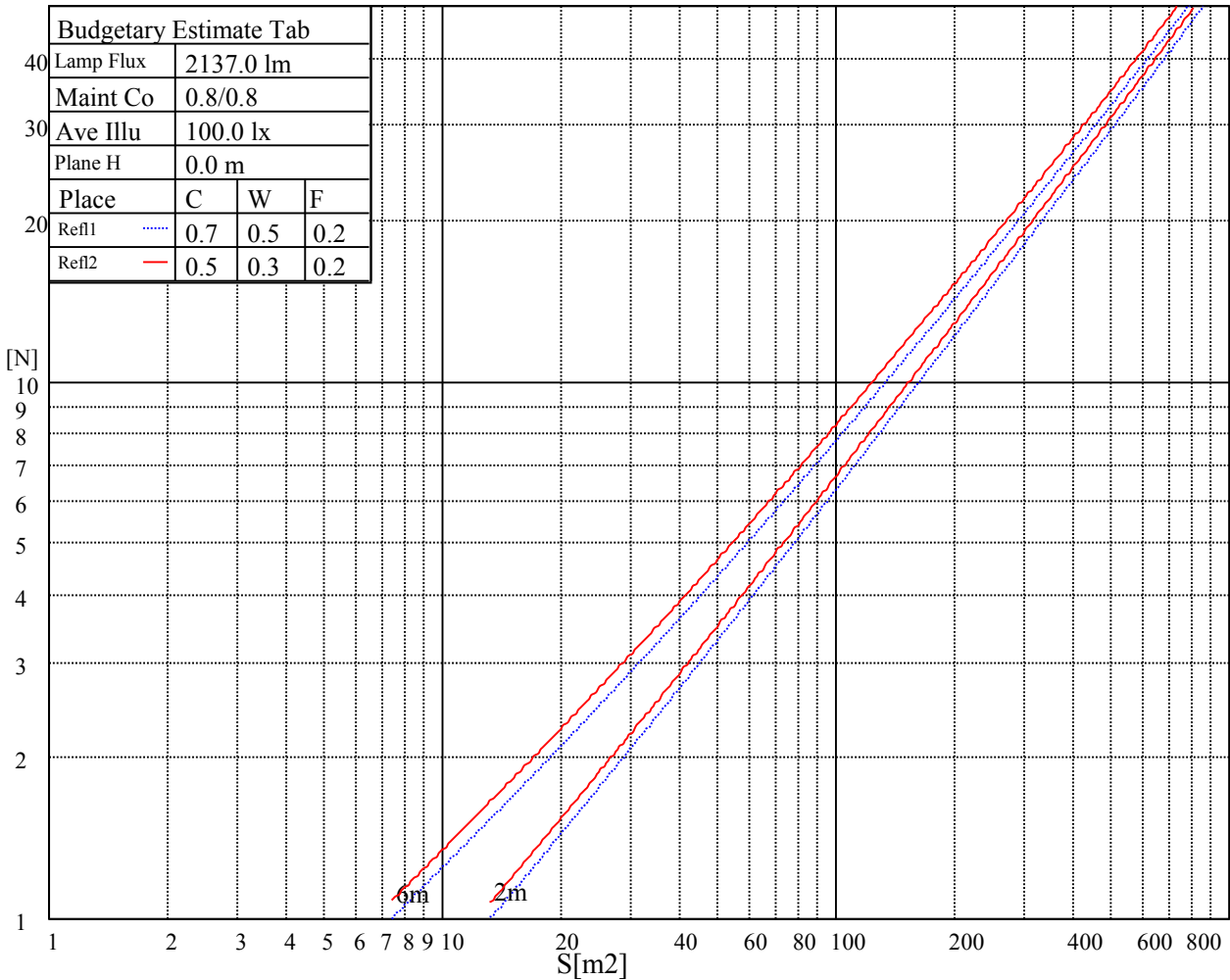
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

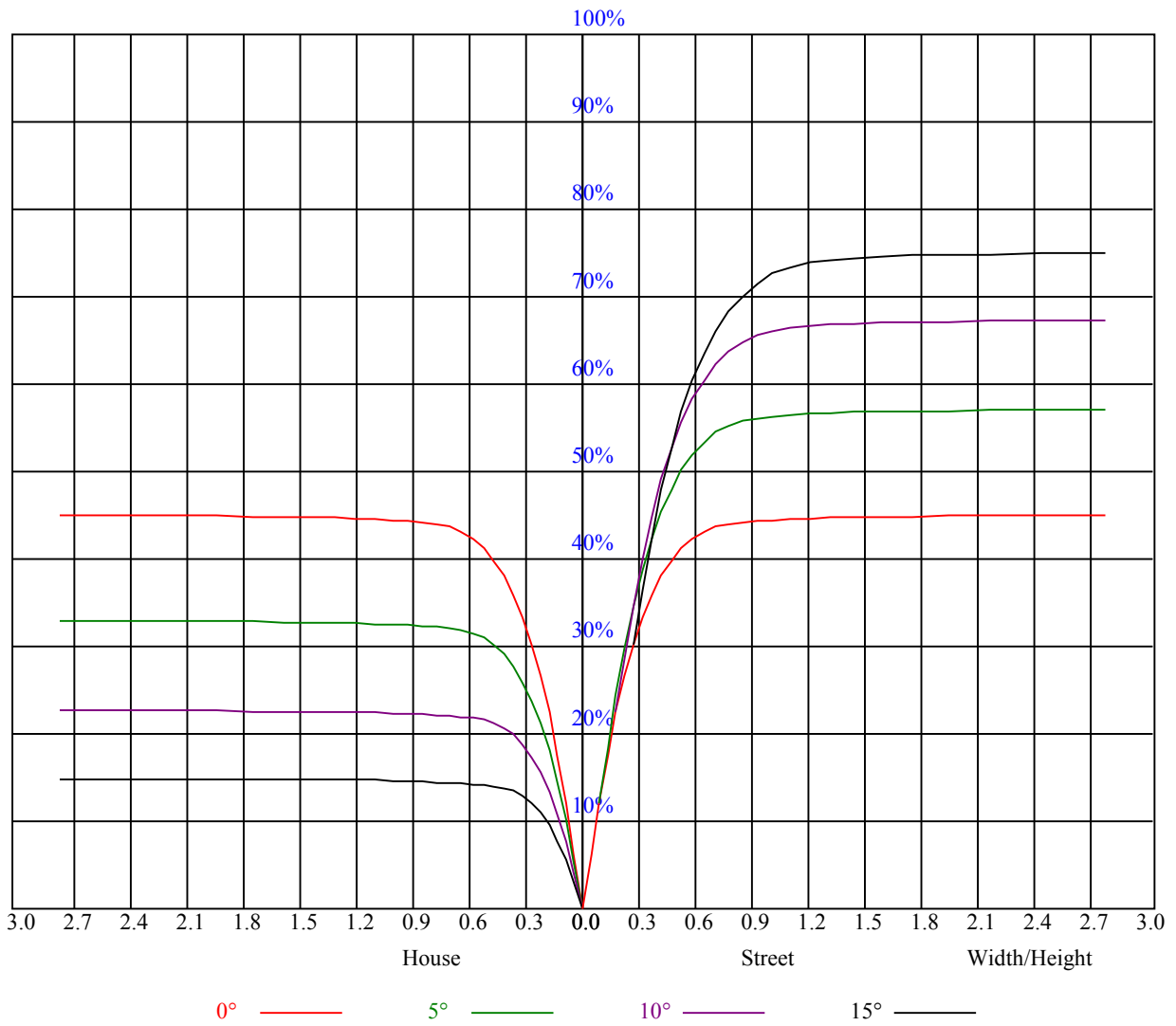


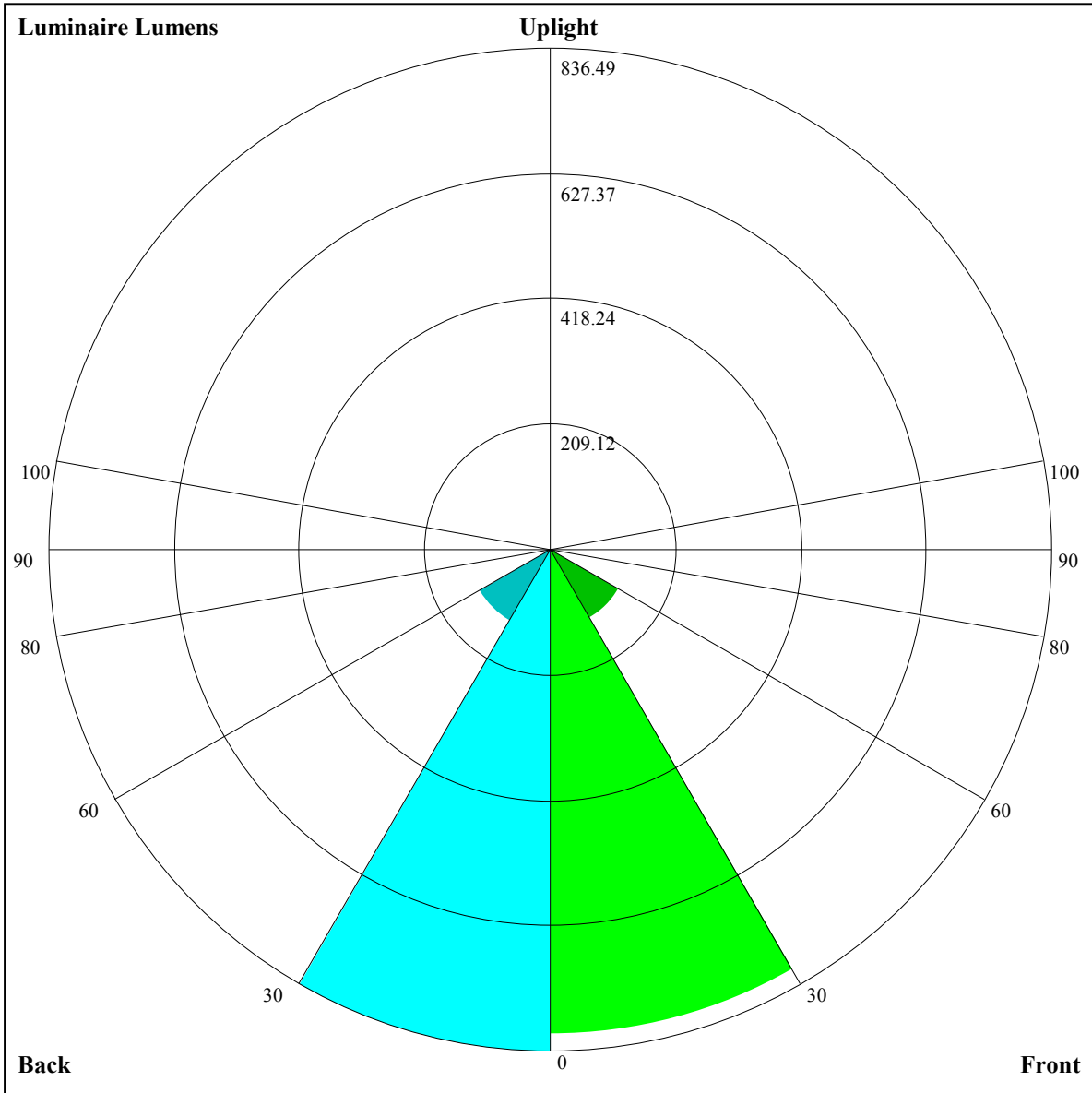
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.08	1.08	1.08	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	1.01	0.99	0.97	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.89	0.93	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.77
4	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.75	0.73
5	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
6	0.77	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
7	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
8	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	0.60	0.57	0.56





Luminaire Lumens:

FL=808.1,FM=130.94,FH=9.04,FVH=0.89

BL=836.49,BM=137.71,BH=9.39,BVH=0.96

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	5784.19	5682.79	5550.76	5353.49	5118.38	4840.90	4545.08	4246.42	3941.08
45.0	5814.83	5803.16	5734.62	5527.89	5405.90	5167.42	4897.77	4611.36	4301.03
90.0	5783.08	5673.86	5518.43	5321.22	5086.05	4803.58	4505.50	4204.63	3897.67
135.0	5817.62	5796.43	5697.30	5563.58	5370.78	5135.67	4926.74	4592.44	4287.68
180.0	5784.19	5810.36	5790.86	5686.68	5576.36	5408.10	5186.34	4935.62	4653.73
225.0	5814.83	5763.58	5707.29	5580.30	5398.64	5172.41	4920.59	4638.69	4338.35
270.0	5783.08	5812.62	5805.37	5725.69	5650.47	5486.68	5273.86	5027.55	4743.40
315.0	5817.62	5807.05	5708.45	5558.54	5356.85	5117.85	4842.58	4535.04	4220.82
360.0	5784.19	5682.79	5550.76	5353.49	5118.38	4840.90	4545.08	4246.42	3941.08

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3646.37	3369.47	3104.81	2855.20	2625.65	2408.36	2209.99	2035.59	1872.38
45.0	3990.70	3695.93	3408.99	3128.20	2872.49	2635.12	2418.40	2216.67	2032.28
90.0	3610.73	3334.35	3068.60	2823.97	2597.80	2377.14	2179.92	2007.73	1842.84
135.0	4033.59	3667.55	3433.54	3161.06	2891.99	2656.30	2435.12	2238.43	2054.56
180.0	4348.97	4041.95	3738.30	3455.25	3187.81	2934.88	2694.72	2472.96	2271.28
225.0	4029.13	3727.15	3438.01	3166.63	2910.91	2678.01	2454.62	2247.89	2054.56
270.0	4446.47	4129.42	3817.40	3527.68	3258.56	2995.06	2752.12	2527.57	2323.68
315.0	3902.66	3614.62	3446.37	3064.71	2819.56	2679.11	2386.07	2192.17	2089.10
360.0	3646.37	3369.47	3104.81	2855.20	2625.65	2408.36	2209.99	2035.59	1872.38

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1782.66	1605.47	1475.64	1416.03	1320.79	1209.36	1090.41	1074.96	990.07
45.0	1871.80	1722.47	1614.40	1469.54	1359.21	1285.10	1195.95	1113.48	1039.95
90.0	1730.30	1596.59	1458.92	1379.82	1283.42	1101.50	1085.47	1053.51	968.36
135.0	1891.30	1747.02	1619.40	1507.97	1403.79	1314.06	1229.96	1157.53	1082.84
180.0	2078.53	1909.70	1754.80	1617.19	1499.08	1432.75	1294.56	1206.57	1154.75
225.0	1888.52	1730.30	1593.80	1518.58	1354.75	1297.93	1087.94	1087.94	1022.08
270.0	2130.31	1953.70	1798.27	1651.72	1576.51	1419.40	1319.11	1261.71	1174.77
315.0	1920.84	1775.98	1643.37	1528.57	1420.50	1326.36	1236.64	1078.64	1078.64
360.0	1782.66	1605.47	1475.64	1416.03	1320.79	1209.36	1090.41	1074.96	990.07

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	908.49	820.34	735.77	645.99	558.84	469.80	387.39	309.65	253.25
45.0	970.30	886.73	799.84	708.44	623.76	536.82	451.62	373.61	303.39
90.0	877.06	786.76	695.66	604.63	516.69	434.11	388.12	284.52	217.82
135.0	1030.49	900.13	803.73	748.02	652.72	561.37	476.69	392.54	314.53
180.0	1077.85	995.38	904.02	813.77	721.84	627.12	544.07	460.50	381.39
225.0	938.29	848.88	760.11	673.54	584.18	501.39	422.34	350.70	280.68
270.0	1096.24	1015.98	927.41	839.95	749.12	663.86	575.82	494.51	414.82
315.0	995.32	923.58	833.33	725.15	652.35	563.47	480.21	398.69	321.26
360.0	908.49	820.34	735.77	645.99	558.84	469.80	387.39	309.65	253.25

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	193.54	145.07	109.33	87.67	75.11	65.49	57.56	50.51	44.73
45.0	290.57	220.18	150.28	100.24	87.78	76.01	63.55	59.08	52.30
90.0	182.39	117.48	99.71	81.58	71.33	62.86	55.82	49.41	43.99
135.0	285.57	224.91	135.30	101.08	82.00	71.59	62.50	55.09	48.67
180.0	308.38	279.42	221.76	133.19	104.44	82.47	69.70	62.60	55.03
225.0	240.21	164.36	139.29	103.44	76.64	70.59	61.71	54.51	48.04
270.0	337.40	280.53	280.53	138.50	112.90	77.27	70.54	61.66	51.35
315.0	249.41	187.60	137.98	100.60	78.95	68.96	60.71	53.98	47.67
360.0	193.54	145.07	109.33	87.67	75.11	65.49	57.56	50.51	44.73

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	40.00	36.16	33.01	30.64	28.44	26.60	25.18	24.07	23.07
45.0	46.52	41.63	37.48	34.11	31.33	29.07	27.07	25.44	24.13
90.0	39.32	35.74	32.85	30.28	28.33	26.54	25.12	23.81	22.81
135.0	44.21	38.58	35.58	32.48	29.65	27.96	26.18	24.65	23.55
180.0	48.52	42.89	37.95	34.01	31.06	28.49	26.39	24.70	23.39
225.0	42.37	37.58	33.53	30.22	27.54	25.39	23.60	22.23	21.18
270.0	47.41	41.68	36.74	32.64	29.54	27.02	24.97	23.23	21.92
315.0	42.47	37.90	34.22	31.22	28.91	27.75	25.34	24.44	23.29
360.0	40.00	36.16	33.01	30.64	28.44	26.60	25.18	24.07	23.07
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.23	21.55	20.97	20.60	19.76	19.45	18.55	17.50	16.45
45.0	23.18	22.23	21.39	20.81	20.18	19.61	18.76	18.08	17.08
90.0	22.18	21.34	20.66	20.13	19.40	18.87	17.92	16.87	15.77
135.0	22.65	21.87	21.24	20.71	20.50	19.92	19.40	18.76	17.82
180.0	22.23	21.34	20.60	20.13	19.71	19.40	18.87	18.55	18.24
225.0	20.34	19.76	19.34	19.08	18.71	18.55	18.19	17.50	16.98
270.0	20.81	20.03	19.50	19.03	18.76	18.55	18.29	18.19	17.66
315.0	21.87	21.50	21.03	20.55	20.18	19.71	19.13	18.55	17.50
360.0	22.23	21.55	20.97	20.60	19.76	19.45	18.55	17.50	16.45
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.98	13.51	12.14	10.72	9.57	8.52	7.67	6.99	6.41
45.0	16.08	14.56	13.30	11.77	10.57	9.41	8.25	7.52	6.83
90.0	14.14	12.83	11.30	10.04	8.78	7.73	6.99	6.25	5.83
135.0	17.14	15.24	13.82	12.98	11.04	10.25	8.94	8.04	7.31
180.0	16.93	16.35	15.19	13.67	12.35	10.83	9.72	8.41	7.41
225.0	15.93	14.82	13.46	12.09	10.67	9.46	8.30	7.46	6.73
270.0	17.19	16.29	14.61	13.82	12.40	10.99	9.78	8.46	7.41
315.0	16.29	15.03	13.61	12.19	10.78	9.57	8.41	7.62	7.15
360.0	14.98	13.51	12.14	10.72	9.57	8.52	7.67	6.99	6.41
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.94	5.57	5.05	4.63	4.26	3.89	3.42	3.10	2.89
45.0	6.25	5.83	5.41	4.94	4.52	4.10	3.78	3.31	3.15
90.0	5.41	4.99	4.57	4.15	3.78	3.47	3.21	2.73	2.42
135.0	6.73	6.25	5.83	5.41	4.94	4.57	4.26	3.89	3.47
180.0	6.73	6.15	5.78	5.26	4.89	4.57	4.15	3.78	3.36
225.0	6.15	5.78	5.41	5.05	4.68	4.26	3.94	3.47	3.21
270.0	6.73	6.10	5.62	5.20	4.84	4.52	4.05	3.78	3.42
315.0	6.47	5.99	5.73	5.26	4.94	4.57	4.10	3.73	3.36
360.0	5.94	5.57	5.05	4.63	4.26	3.89	3.42	3.10	2.89
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.42	2.10	1.89	1.52	1.37	1.10	0.95	0.79	0.58
45.0	2.63	2.26	1.94	1.73	1.37	1.16	0.95	0.79	0.53
90.0	2.16	1.94	1.68	1.52	1.26	1.05	0.95	0.84	0.58
135.0	3.10	2.89	2.47	2.26	1.94	1.73	1.42	1.31	1.10
180.0	3.10	2.79	2.42	2.16	1.84	1.58	1.42	1.21	1.00
225.0	2.73	2.37	2.10	1.73	1.47	1.21	1.05	0.89	0.68
270.0	3.00	2.73	2.26	1.94	1.68	1.37	1.21	1.05	0.84
315.0	3.10	2.63	2.37	2.00	1.79	1.52	1.31	1.16	0.95
360.0	2.42	2.10	1.89	1.52	1.37	1.10	0.95	0.79	0.58

Intensity data(cd)

C/γ(°)	90.0
0.0	0.53
45.0	0.53
90.0	0.58
135.0	0.84
180.0	0.89
225.0	0.53
270.0	0.63
315.0	0.89
360.0	0.53