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## NATA

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Client:

LumCAT: 2-2639-L

Luminaire: 92.70.429.00

Report No: 20231110-B018

Ballast type: AC

Test No: 20231010-C018

Voltage(V): 35.950

LampCAT: CREE CXA1830 LES14

Current(A): 0.530

Lamp flux(lm): 1997.0

Power (W): 19.053

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 1904.46, Efficiency(%): 95.36% , Luminous Efficacy(lm/W): 99.96

Central intensity(cd): 8635.937, Maximum intensity(cd): 8635.937

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.6

[C90/270]Total=19.6

Field angle(10%Imax): [C0/180]Total=51.6

[C90/270]Total=51.6

Beam angle of C0 plane : 19.51

Aveage BeamAngle(IEC 61341):19.51

Maximum s/h(1/2): C0\_180=0.33 C90\_270=0.33

Maximum s/h(1/4): C0\_180=0.37 C90\_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.36%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.152%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8635.937	0.000	0	0.00%	0.00%
1.0	8551.592	8.224	8.224	0.41%	0.43%
2.0	8365.742	24.281	32.505	1.22%	1.71%
3.0	8027.531	39.207	71.713	1.96%	3.77%
4.0	7607.813	52.336	124.049	2.62%	6.51%
5.0	7060.573	63.103	187.152	3.16%	9.83%
6.0	6498.734	71.258	258.409	3.57%	13.57%
7.0	5925.824	77.119	335.529	3.86%	17.62%
8.0	5319.564	80.481	416.01	4.03%	21.84%
9.0	4744.233	81.562	497.571	4.08%	26.13%
10.0	4180.249	80.763	578.334	4.04%	30.37%
11.0	3724.896	78.989	657.323	3.96%	34.51%
12.0	3256.189	76.313	733.636	3.82%	38.52%
13.0	2885.735	72.889	806.526	3.65%	42.35%
14.0	2561.432	69.723	876.249	3.49%	46.01%
15.0	2268.750	66.311	942.56	3.32%	49.49%
16.0	2022.634	62.881	1005.44	3.15%	52.79%
17.0	1807.378	59.644	1065.084	2.99%	55.93%
18.0	1642.563	56.882	1121.966	2.85%	58.91%
19.0	1494.146	54.572	1176.538	2.73%	61.78%
20.0	1334.444	51.771	1228.309	2.59%	64.50%
21.0	1241.727	49.468	1277.777	2.48%	67.09%
22.0	1135.973	47.781	1325.558	2.39%	69.60%
23.0	1073.168	46.354	1371.912	2.32%	72.04%
24.0	994.317	45.203	1417.114	2.26%	74.41%
25.0	922.170	43.577	1460.691	2.18%	76.70%
26.0	851.837	41.876	1502.567	2.10%	78.90%
27.0	786.422	40.080	1542.647	2.01%	81.00%
28.0	720.579	38.154	1580.801	1.91%	83.01%
29.0	654.148	35.967	1616.768	1.80%	84.89%
30.0	587.419	33.522	1650.29	1.68%	86.65%
31.0	516.345	30.716	1681.006	1.54%	88.27%
32.0	447.306	27.607	1708.614	1.38%	89.72%
33.0	379.400	24.355	1732.969	1.22%	91.00%
34.0	317.017	21.076	1754.044	1.06%	92.10%
35.0	269.607	18.218	1772.263	0.91%	93.06%
36.0	228.008	15.844	1788.107	0.79%	93.89%
37.0	182.881	13.401	1801.508	0.67%	94.59%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	123.632	10.231	1811.739	0.51%	95.13%
39.0	95.340	7.474	1819.213	0.37%	95.52%
40.0	73.267	5.880	1825.093	0.29%	95.83%
41.0	56.758	4.630	1829.724	0.23%	96.08%
42.0	45.300	3.708	1833.431	0.19%	96.27%
43.0	37.073	3.051	1836.483	0.15%	96.43%
44.0	31.960	2.605	1839.088	0.13%	96.57%
45.0	28.189	2.312	1841.4	0.12%	96.69%
46.0	25.463	2.098	1843.498	0.11%	96.80%
47.0	23.560	1.950	1845.448	0.10%	96.90%
48.0	22.190	1.849	1847.297	0.09%	97.00%
49.0	21.117	1.778	1849.076	0.09%	97.09%
50.0	20.377	1.730	1850.806	0.09%	97.18%
51.0	19.913	1.705	1852.51	0.09%	97.27%
52.0	19.692	1.700	1854.21	0.09%	97.36%
53.0	19.657	1.712	1855.922	0.09%	97.45%
54.0	19.900	1.744	1857.665	0.09%	97.54%
55.0	20.301	1.794	1859.46	0.09%	97.64%
56.0	20.848	1.859	1861.319	0.09%	97.73%
57.0	21.332	1.929	1863.248	0.10%	97.84%
58.0	21.650	1.988	1865.235	0.10%	97.94%
59.0	21.616	2.023	1867.258	0.10%	98.05%
60.0	21.124	2.019	1869.277	0.10%	98.15%
61.0	20.156	1.970	1871.247	0.10%	98.26%
62.0	18.716	1.873	1873.12	0.09%	98.35%
63.0	17.180	1.746	1874.866	0.09%	98.45%
64.0	15.637	1.610	1876.476	0.08%	98.53%
65.0	14.510	1.492	1877.968	0.07%	98.61%
66.0	13.534	1.399	1879.367	0.07%	98.68%
67.0	12.863	1.327	1880.695	0.07%	98.75%
68.0	12.351	1.277	1881.972	0.06%	98.82%
69.0	11.901	1.237	1883.209	0.06%	98.88%
70.0	11.541	1.204	1884.413	0.06%	98.95%
71.0	11.209	1.176	1885.589	0.06%	99.01%
72.0	10.891	1.149	1886.738	0.06%	99.07%
73.0	10.676	1.128	1887.866	0.06%	99.13%
74.0	10.413	1.109	1888.975	0.06%	99.19%
75.0	10.206	1.089	1890.064	0.05%	99.24%

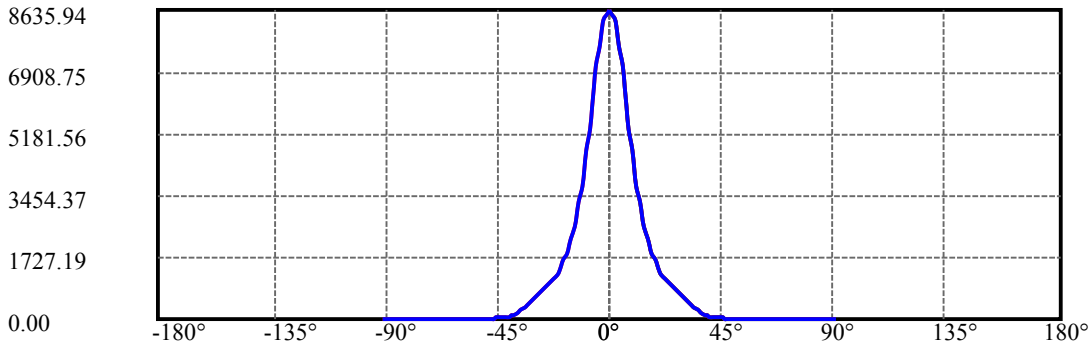
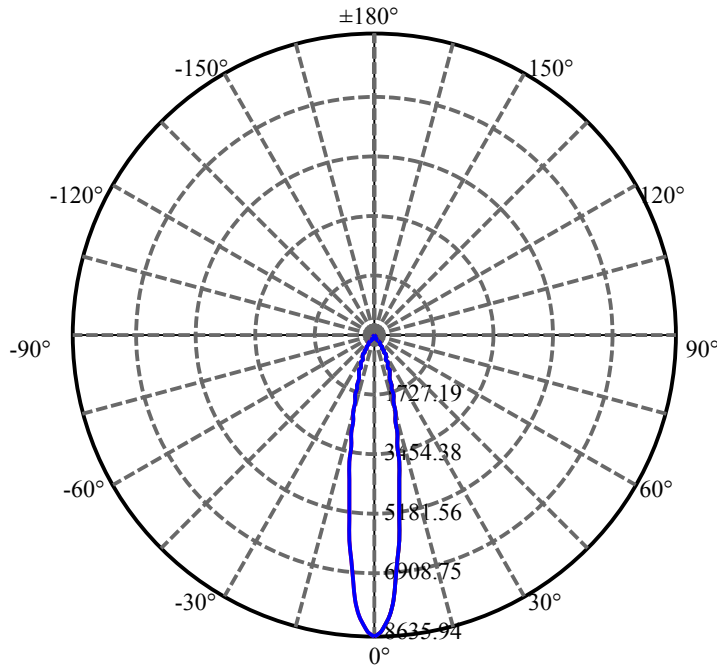
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.005	1.073	1891.137	0.05%	99.30%
77.0	9.825	1.057	1892.194	0.05%	99.36%
78.0	9.625	1.041	1893.235	0.05%	99.41%
79.0	9.465	1.026	1894.261	0.05%	99.46%
80.0	9.286	1.011	1895.272	0.05%	99.52%
81.0	9.092	0.994	1896.266	0.05%	99.57%
82.0	8.891	0.975	1897.241	0.05%	99.62%
83.0	8.718	0.957	1898.198	0.05%	99.67%
84.0	8.545	0.940	1899.139	0.05%	99.72%
85.0	8.372	0.923	1900.062	0.05%	99.77%
86.0	8.220	0.907	1900.969	0.05%	99.82%
87.0	8.089	0.893	1901.862	0.04%	99.86%
88.0	7.950	0.879	1902.74	0.04%	99.91%
89.0	7.826	0.865	1903.605	0.04%	99.96%
90.0	7.784	0.856	1904.461	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1650.29	82.64%	86.65%
0-40	1825.09	91.39%	95.83%
0-60	1869.28	93.60%	98.15%
0-90	1903.60	95.32%	99.96%
0-120	1903.60	95.32%	99.96%
0-180	1904.46	95.36%	100.00%
60-90	34.33	1.72%	1.80%
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%
0-26.52	1523.57	76.29%	80.00%

ZONAL LUMEN SUMMARY

0-10	578.33
10-20	649.97
20-30	421.98
30-40	174.80
40-50	25.71
50-60	18.47
60-70	15.14
70-80	10.86
80-90	8.33
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



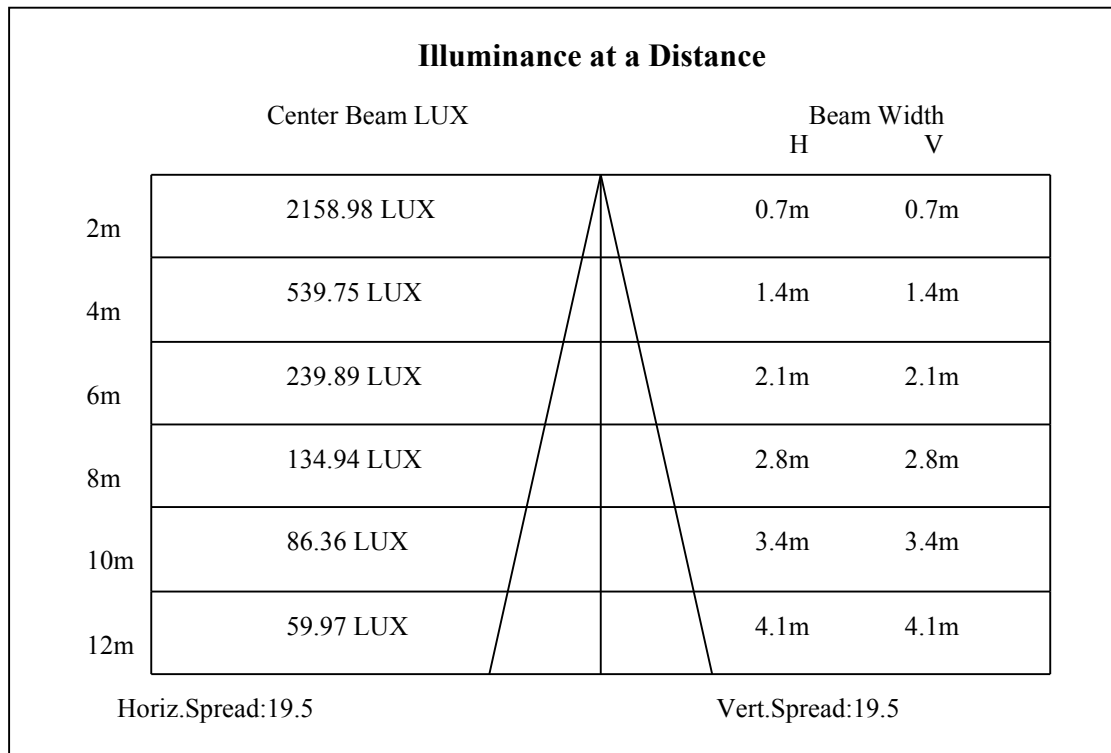
C0(Max): —————

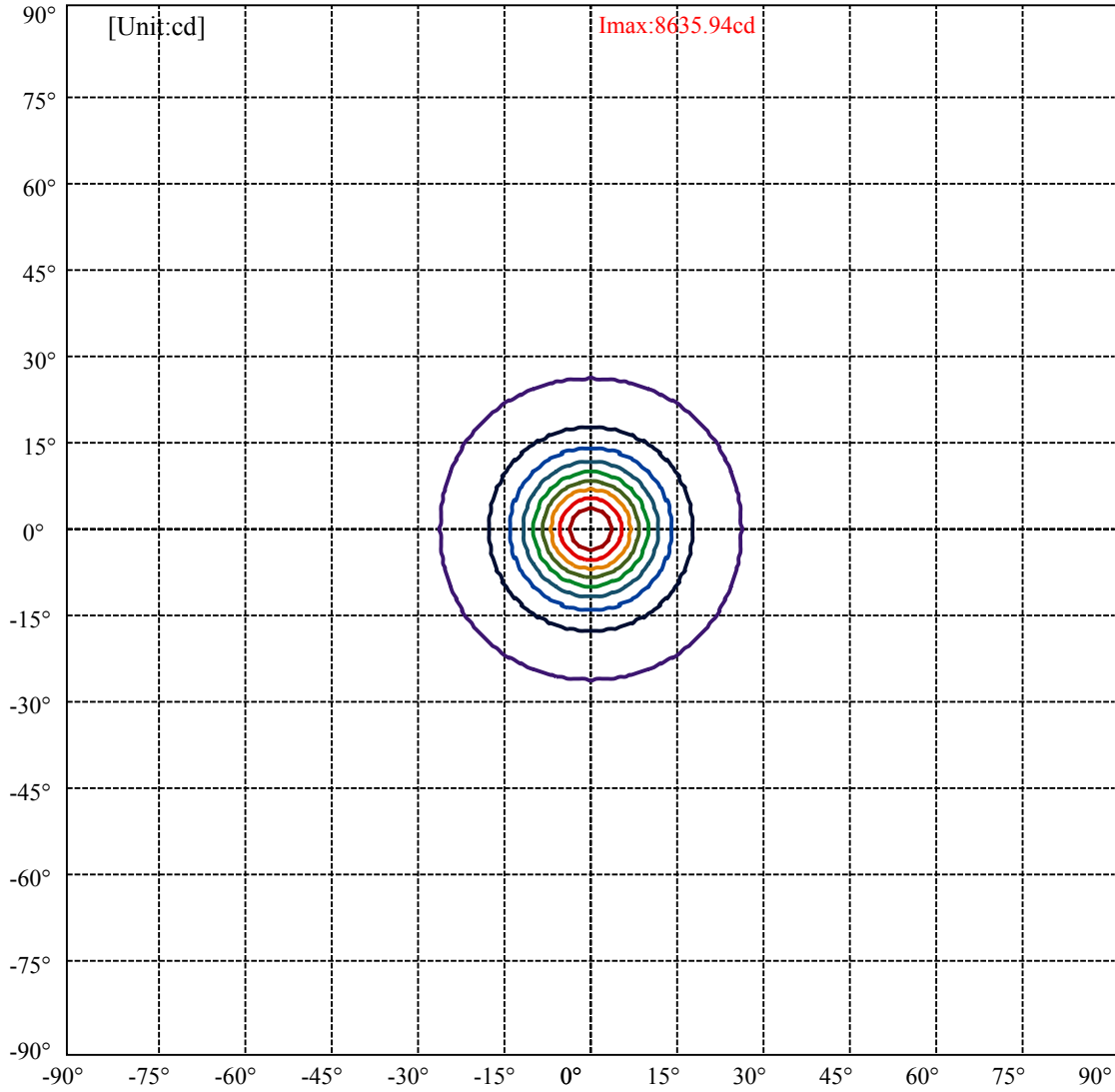
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:25.8 Right:25.8  
:C90/270Left:25.8 Right:25.8

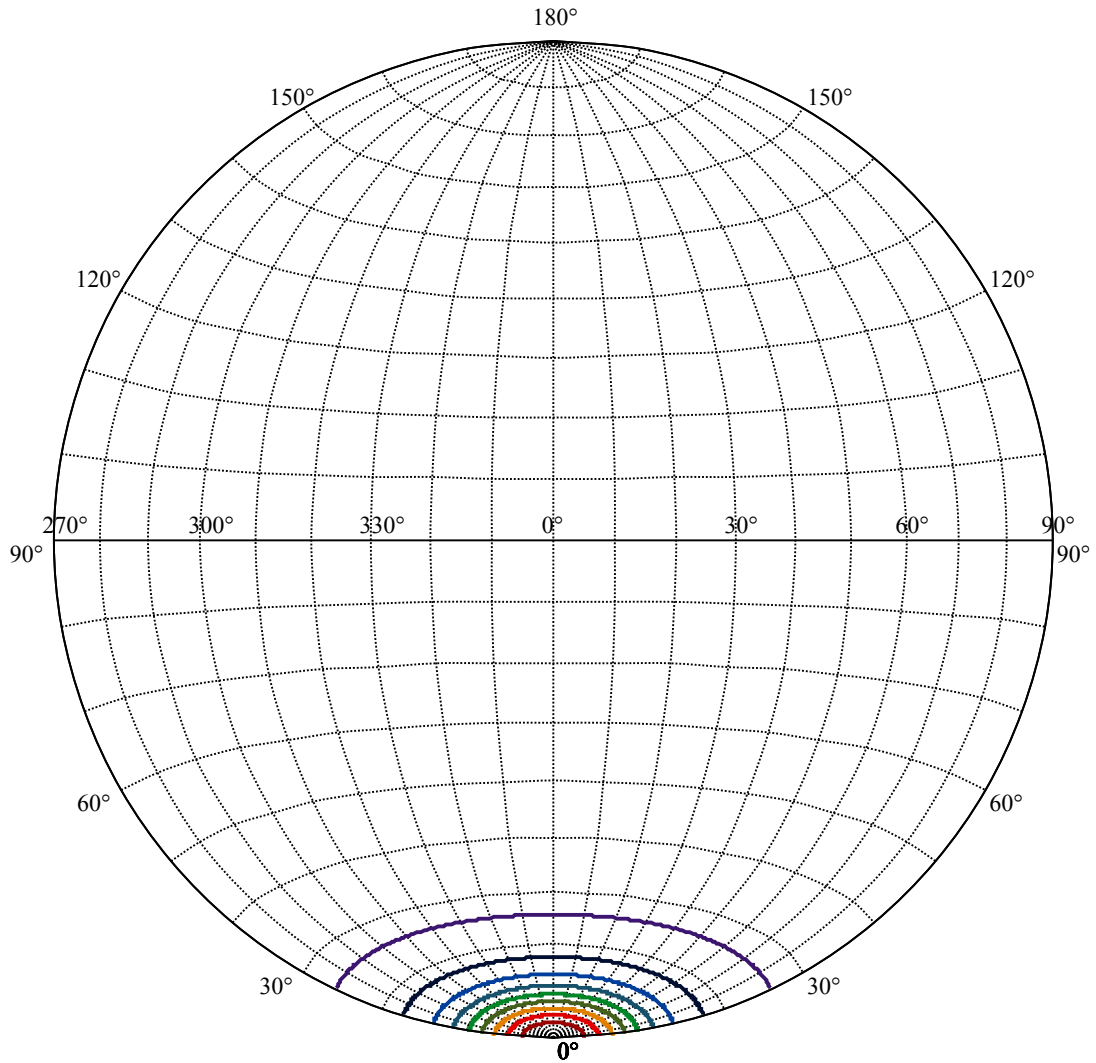
Beam Angle(50%Imax):C0/180Left:9.8 Right:9.8  
:C90/270Left:9.8 Right:9.8





(10%Imax) 863.594	—
(20%Imax) 1727.19	—
(30%Imax) 2590.78	—
(40%Imax) 3454.37	—
(50%Imax) 4317.97	—
(60%Imax) 5181.56	—
(70%Imax) 6045.16	—
(80%Imax) 6908.75	—
(90%Imax) 7772.34	—





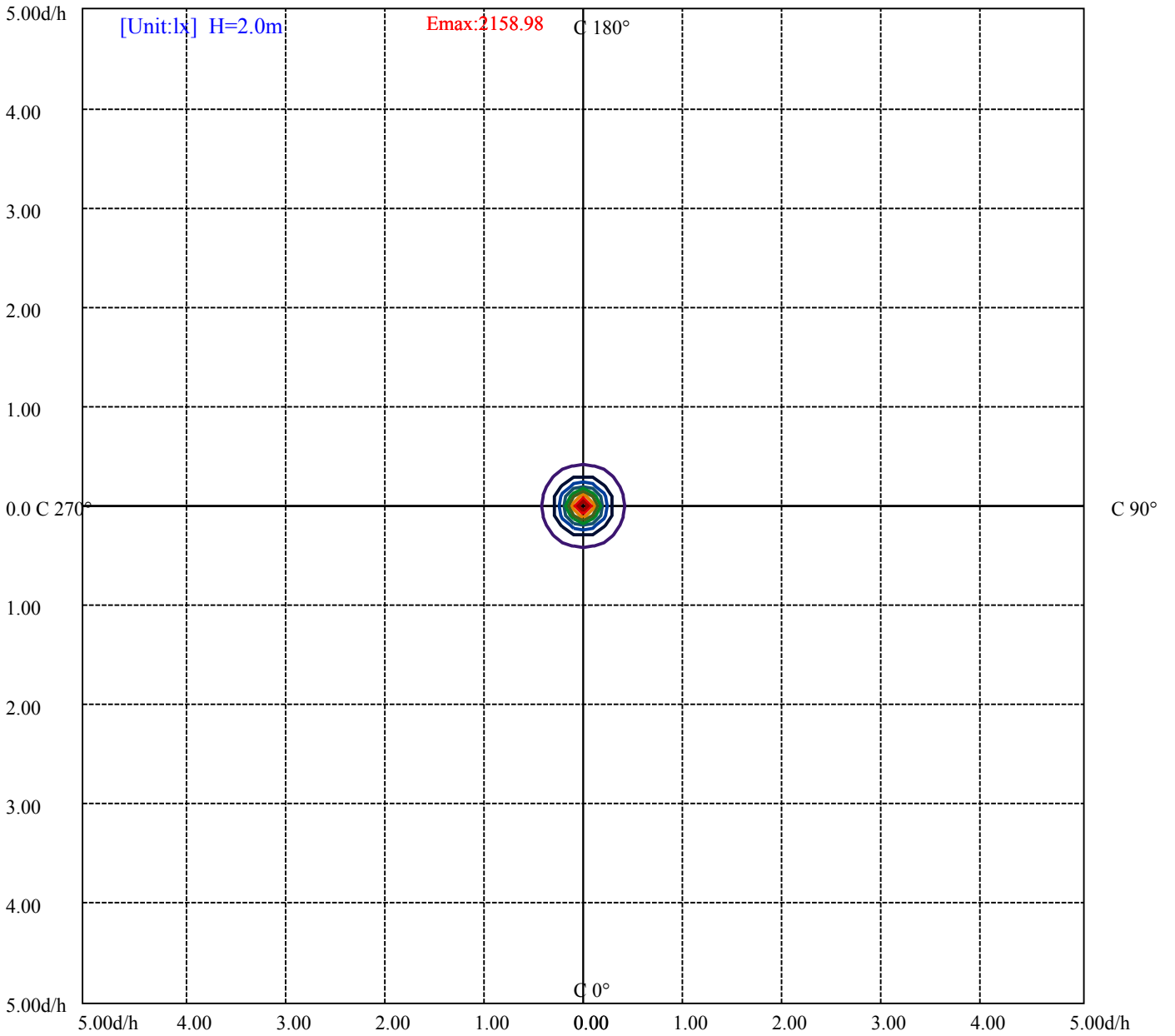
House

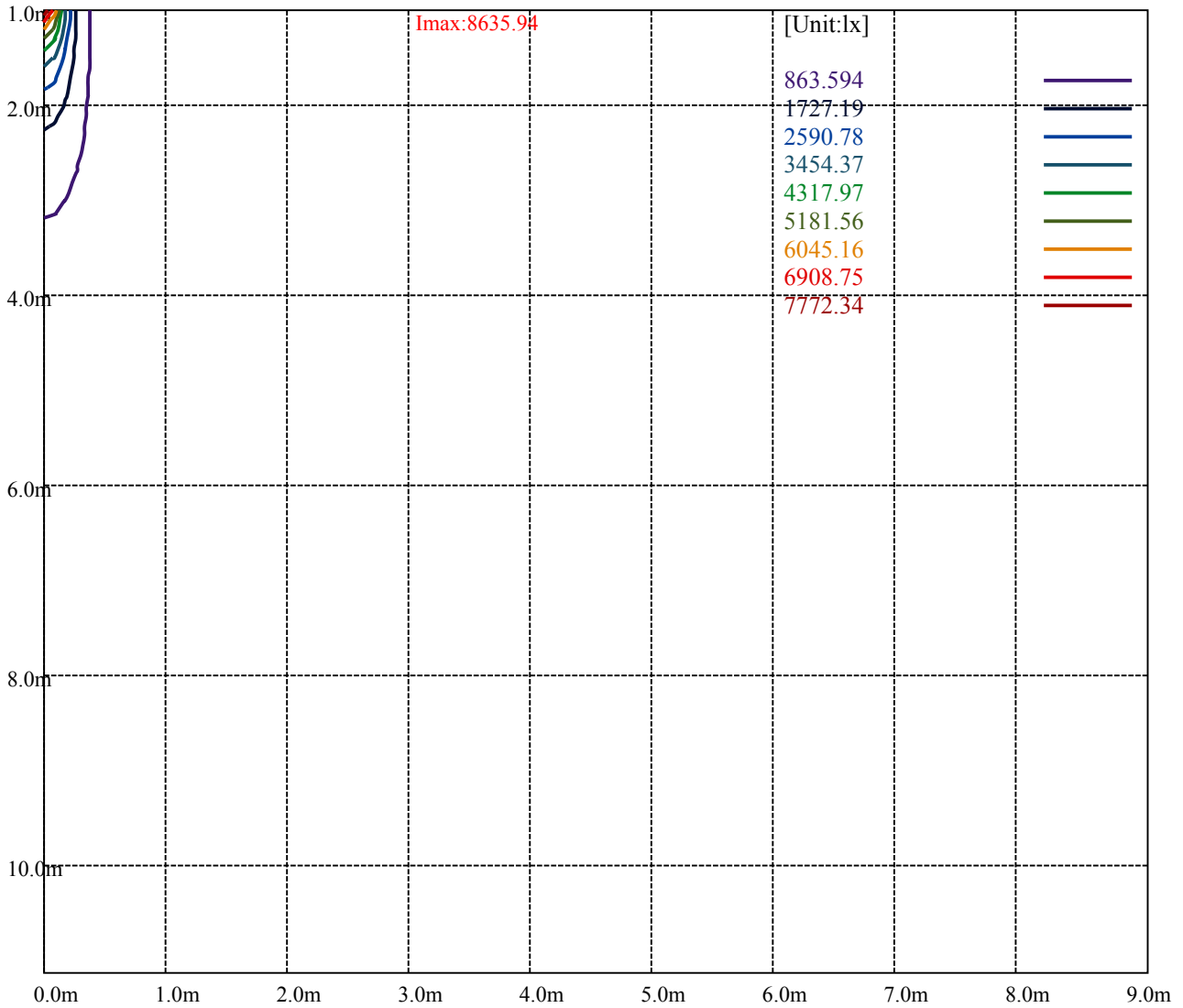
[Unit:cd]

Road

Imax:8635.94

(10%Imax)	863.594	—
(20%Imax)	1727.19	—
(30%Imax)	2590.78	—
(40%Imax)	3454.37	—
(50%Imax)	4317.97	—
(60%Imax)	5181.56	—
(70%Imax)	6045.16	—
(80%Imax)	6908.75	—
(90%Imax)	7772.34	—





Luminance Table

$\gamma$	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

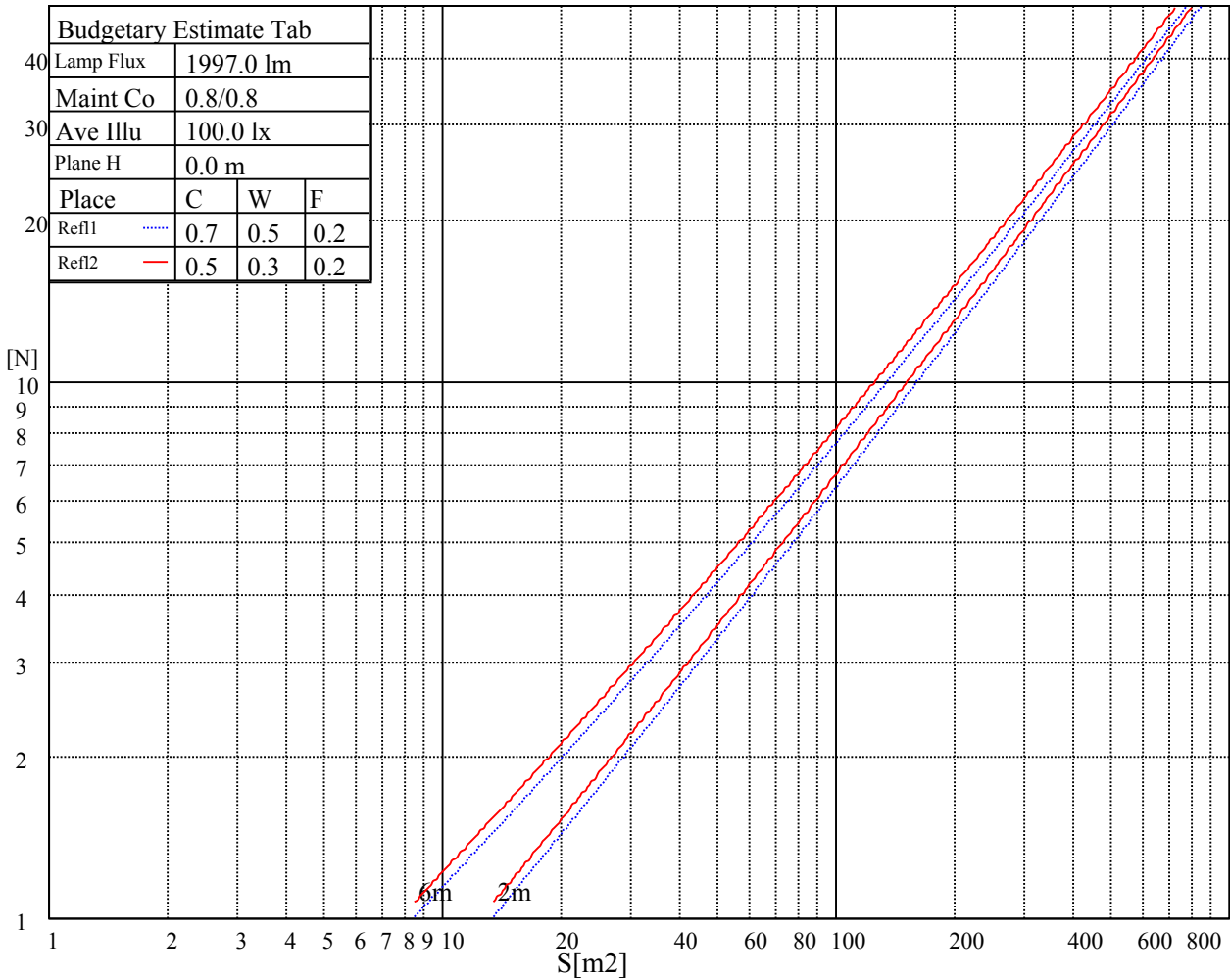
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

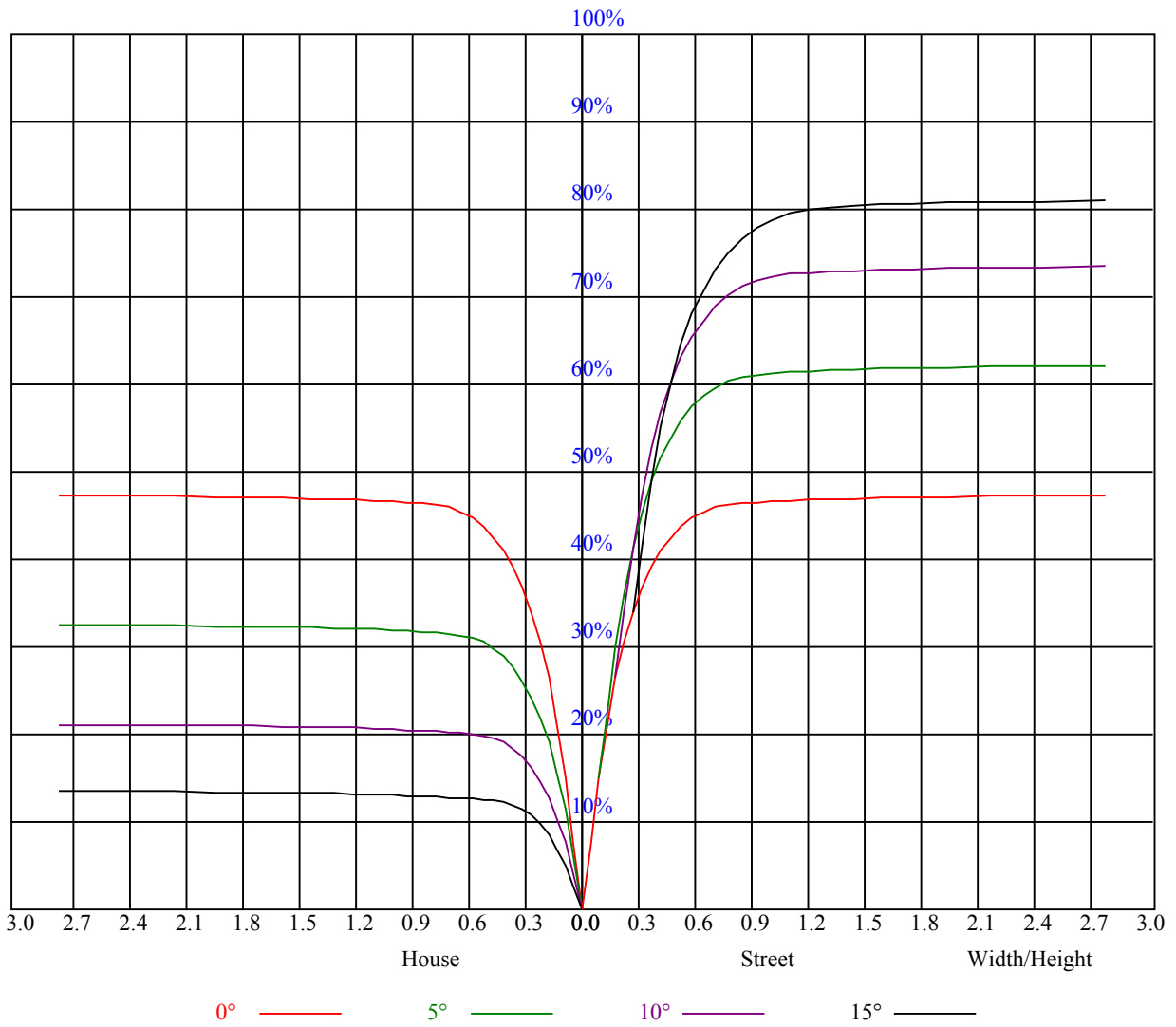


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.03	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.96	0.92	0.88	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.82
4	0.91	0.87	0.83	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.85	0.82	0.80	0.79
5	0.87	0.83	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
6	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.72	0.80	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.72	0.69	0.66	0.65
10	0.72	0.68	0.65	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.63





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	8603.55	8343.95	8009.61	7593.91	7086.87	6415.98	5866.32	5299.50	4749.28
45.0	8679.94	8566.47	8357.78	7914.40	7457.74	6945.16	6396.61	5860.23	5160.01
90.0	8570.34	8242.10	7864.58	7425.63	6913.06	6209.51	5673.69	5116.28	4455.36
135.0	8686.59	8576.98	8387.68	7942.08	7489.84	6832.79	6277.04	5723.51	5034.35
180.0	8603.55	8686.03	8642.30	8429.19	8134.16	7614.39	7111.22	6563.22	6001.38
225.0	8686.59	8642.30	8483.99	8136.92	7711.25	7224.14	6541.63	5966.51	5404.67
270.0	8570.34	8687.69	8687.14	8560.38	8253.72	7881.74	7409.02	6742.57	6180.73
315.0	8686.59	8667.21	8492.85	8217.74	7815.87	7360.87	6714.34	6134.78	5570.73
360.0	8603.55	8343.95	8009.61	7593.91	7086.87	6415.98	5866.32	5299.50	4749.28
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4127.11	3679.85	3274.66	2825.75	2523.52	2263.91	1982.16	1790.08	1596.90
45.0	4617.54	4132.09	3689.26	3188.87	2830.17	2527.94	2199.70	1983.26	1755.21
90.0	3982.08	3443.49	3051.59	2707.84	2414.47	2111.13	1895.25	1716.46	1568.67
135.0	4501.85	4026.37	3584.64	3103.07	2756.55	2454.32	2194.71	1907.98	1731.96
180.0	5299.50	4748.73	4232.28	3767.31	3253.08	2895.49	2582.74	2301.55	2008.73
225.0	4837.85	4183.57	3727.46	3330.02	2970.77	2579.42	2311.51	2081.24	1834.36
270.0	5605.60	4902.61	4385.61	3788.90	3369.87	3006.20	2677.40	2323.14	2088.99
315.0	4982.32	4325.27	3853.66	3337.77	2967.45	2653.04	2306.53	2077.37	1874.22
360.0	4127.11	3679.85	3274.66	2825.75	2523.52	2263.91	1982.16	1790.08	1596.90
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1470.14	1355.55	1099.82	1099.82	1060.35	986.73	919.92	841.60	780.65
45.0	1612.40	1482.31	1368.29	1244.29	1157.94	1081.55	1010.70	926.56	862.35
90.0	1413.12	1304.63	1101.43	1101.43	1028.36	960.33	895.68	822.50	764.05
135.0	1574.75	1417.00	1304.63	1205.55	1100.93	1025.09	937.08	872.32	810.32
180.0	1828.27	1612.95	1472.90	1359.98	1235.44	1144.66	1059.97	992.99	904.98
225.0	1675.50	1531.58	1381.57	1204.44	1094.06	1076.46	1001.46	934.65	870.66
270.0	1899.13	1724.21	1541.54	1423.09	1319.57	1219.38	1112.55	1039.49	952.58
315.0	1667.20	1524.94	1405.37	1295.22	1091.13	1091.13	1017.18	947.27	869.11
360.0	1470.14	1355.55	1099.82	1099.82	1060.35	986.73	919.92	841.60	780.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	717.05	654.17	573.52	509.25	444.60	367.49	309.81	245.22	198.50
45.0	796.48	720.09	656.44	591.67	510.30	443.88	381.33	308.82	281.69
90.0	687.05	624.67	560.12	495.19	415.04	354.71	298.02	246.88	188.81
135.0	753.31	678.03	618.80	557.36	494.25	431.15	357.53	303.84	291.10
180.0	845.75	780.43	722.31	645.92	581.71	513.07	430.60	367.49	312.14
225.0	791.89	729.51	666.51	603.08	519.77	454.73	392.46	321.16	270.35
270.0	892.24	830.25	749.99	690.20	625.44	555.69	471.00	407.90	347.01
315.0	807.61	747.50	685.50	606.68	539.64	457.72	394.45	334.83	267.25
360.0	717.05	654.17	573.52	509.25	444.60	367.49	309.81	245.22	198.50
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	158.37	124.82	91.50	72.18	57.46	47.05	38.03	33.05	29.45
45.0	281.69	149.68	115.74	89.12	69.19	51.92	42.57	35.98	31.39
90.0	149.45	116.63	84.08	65.54	52.09	40.63	34.54	30.28	26.57
135.0	229.27	151.17	109.99	84.08	65.15	48.82	40.13	34.10	29.95
180.0	285.57	285.57	147.52	115.08	89.17	68.86	51.26	41.79	35.26
225.0	211.01	169.55	133.96	97.70	75.39	58.90	47.22	37.36	32.11
270.0	290.55	290.55	176.47	138.33	99.69	76.72	59.56	45.17	37.53
315.0	218.15	175.08	129.80	100.69	77.99	61.17	49.10	38.86	33.43
360.0	158.37	124.82	91.50	72.18	57.46	47.05	38.03	33.05	29.45

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	26.24	24.47	23.08	21.81	21.03	20.54	20.20	20.15	20.31
45.0	27.40	25.13	23.14	21.92	20.98	20.20	19.76	19.60	19.65
90.0	24.47	22.92	21.48	20.65	20.04	19.60	19.37	19.48	19.76
135.0	26.40	24.36	22.86	21.64	20.59	20.04	19.71	19.60	19.71
180.0	30.72	26.90	24.74	23.19	21.70	20.81	20.26	19.76	19.54
225.0	28.45	25.85	23.47	22.14	21.09	20.15	19.60	19.32	19.15
270.0	32.22	27.79	25.30	23.47	21.86	20.81	20.09	19.65	19.26
315.0	29.61	26.29	24.41	22.69	21.64	20.87	20.31	19.98	19.87
360.0	26.24	24.47	23.08	21.81	21.03	20.54	20.20	20.15	20.31
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.70	21.20	21.70	22.03	21.98	21.37	20.31	18.88	17.05
45.0	19.98	20.43	21.15	21.75	22.20	22.14	21.64	20.37	18.76
90.0	20.26	20.98	21.48	21.75	21.64	20.98	19.65	18.10	16.61
135.0	20.20	20.65	21.42	21.98	22.36	22.09	21.42	20.26	18.27
180.0	19.60	19.87	20.26	20.87	21.42	21.92	21.92	21.42	20.48
225.0	19.26	19.65	20.20	20.65	21.09	21.15	20.92	20.20	19.04
270.0	19.21	19.37	19.71	20.26	20.76	21.26	21.42	21.15	20.31
315.0	19.98	20.26	20.87	21.37	21.75	22.03	21.70	20.87	19.21
360.0	20.70	21.20	21.70	22.03	21.98	21.37	20.31	18.88	17.05
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.67	14.34	13.56	12.90	12.34	11.96	11.57	11.35	11.02
45.0	17.05	15.28	14.34	13.45	12.68	12.29	11.85	11.46	11.13
90.0	15.22	13.89	13.17	12.62	12.18	11.68	11.29	11.07	10.74
135.0	16.66	15.39	14.34	13.28	12.73	12.29	11.85	11.46	11.07
180.0	18.71	17.16	15.61	14.28	13.51	12.84	12.34	11.96	11.57
225.0	17.49	15.55	14.50	13.51	12.90	12.40	11.85	11.51	11.24
270.0	18.99	17.44	15.94	14.50	13.56	12.95	12.45	11.90	11.57
315.0	17.66	16.05	14.61	13.73	13.01	12.40	12.01	11.62	11.35
360.0	15.67	14.34	13.56	12.90	12.34	11.96	11.57	11.35	11.02
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.68	10.52	10.30	10.13	9.91	9.80	9.58	9.35	9.19
45.0	10.85	10.63	10.35	10.13	10.02	9.80	9.63	9.47	9.30
90.0	10.52	10.24	10.02	9.85	9.69	9.47	9.30	9.19	8.97
135.0	10.79	10.63	10.35	10.19	9.96	9.80	9.58	9.41	9.24
180.0	11.24	11.02	10.74	10.46	10.30	10.07	9.85	9.69	9.52
225.0	10.85	10.68	10.41	10.19	9.96	9.80	9.63	9.47	9.24
270.0	11.24	10.96	10.63	10.46	10.13	10.02	9.74	9.63	9.47
315.0	10.96	10.74	10.52	10.24	10.07	9.85	9.69	9.52	9.35
360.0	10.68	10.52	10.30	10.13	9.91	9.80	9.58	9.35	9.19
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.97	8.80	8.64	8.52	8.36	8.19	8.03	7.86	7.80
45.0	9.08	8.91	8.64	8.52	8.36	8.19	8.03	7.92	7.80
90.0	8.75	8.58	8.47	8.30	8.14	7.97	7.86	7.75	7.75
135.0	9.08	8.86	8.64	8.41	8.25	8.14	8.03	7.86	7.75
180.0	9.35	9.08	8.91	8.69	8.52	8.36	8.25	8.08	7.92
225.0	9.13	8.91	8.75	8.52	8.41	8.25	8.14	8.03	7.86
270.0	9.24	9.08	8.91	8.75	8.52	8.36	8.25	8.14	7.92
315.0	9.13	8.91	8.80	8.64	8.41	8.30	8.14	7.97	7.80
360.0	8.97	8.80	8.64	8.52	8.36	8.19	8.03	7.86	7.80

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>7.86</b>
<b>45.0</b>	<b>7.80</b>
<b>90.0</b>	<b>7.75</b>
<b>135.0</b>	<b>7.75</b>
<b>180.0</b>	<b>7.80</b>
<b>225.0</b>	<b>7.80</b>
<b>270.0</b>	<b>7.75</b>
<b>315.0</b>	<b>7.75</b>
<b>360.0</b>	<b>7.86</b>