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NATA

LumCAT: 2-2641-L
Luminaire: 92.70.429.00
LampCAT: CREE CXA1830 LES14
Ballast type: AC
Report No: 20231010-B019 Voltage(V): 35.9800
Test No: 20231010-C019 Current(A): 0.5300
Number of Lamps: 1 Power (W): 19.0690
Lamp flux(lm): 1997.0 PF: 0.0000
Length(mm): 0 Width(mm): 0
Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 1855.81, Efficiency(%): 92.93% , Luminous Efficacy(lm/W): 97.32
Central intensity(cd): 4101.369, Maximum intensity(cd): 4101.369
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=36.8
[C90/270]Total=36.8
Field angle(10%Imax): [C0/180]Total=65.4
[C90/270]Total=65.4
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.93%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.964%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/10/10
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4101.370	0.000	0	0.00%	0.00%
1.0	4092.928	3.921	3.921	0.20%	0.21%
2.0	4062.968	11.706	15.627	0.59%	0.84%
3.0	4022.491	19.338	34.965	0.97%	1.88%
4.0	3964.854	26.736	61.701	1.34%	3.32%
5.0	3890.057	33.791	95.492	1.69%	5.15%
6.0	3807.165	40.451	135.943	2.03%	7.33%
7.0	3706.491	46.637	182.58	2.34%	9.84%
8.0	3593.570	52.245	234.826	2.62%	12.65%
9.0	3472.414	57.266	292.091	2.87%	15.74%
10.0	3334.100	61.596	353.688	3.08%	19.06%
11.0	3196.753	65.257	418.945	3.27%	22.57%
12.0	3040.172	68.179	487.123	3.41%	26.25%
13.0	2894.938	70.435	557.558	3.53%	30.04%
14.0	2742.508	72.159	629.717	3.61%	33.93%
15.0	2591.946	73.234	702.95	3.67%	37.88%
16.0	2432.943	73.629	776.579	3.69%	41.85%
17.0	2276.500	73.339	849.918	3.67%	45.80%
18.0	2121.164	72.508	922.426	3.63%	49.70%
19.0	1949.568	70.822	993.248	3.55%	53.52%
20.0	1791.602	68.474	1061.722	3.43%	57.21%
21.0	1642.770	65.947	1127.669	3.30%	60.76%
22.0	1498.159	63.118	1190.787	3.16%	64.17%
23.0	1331.648	59.377	1250.164	2.97%	67.36%
24.0	1197.022	55.286	1305.45	2.77%	70.34%
25.0	1129.919	52.910	1358.359	2.65%	73.19%
26.0	1032.172	51.036	1409.396	2.56%	75.94%
27.0	930.812	48.025	1457.421	2.40%	78.53%
28.0	825.910	44.476	1501.897	2.23%	80.93%
29.0	724.219	40.556	1542.453	2.03%	83.11%
30.0	636.995	36.753	1579.205	1.84%	85.09%
31.0	544.603	32.882	1612.088	1.65%	86.87%
32.0	463.088	28.869	1640.957	1.45%	88.42%
33.0	385.745	25.007	1665.964	1.25%	89.77%
34.0	319.286	21.336	1687.3	1.07%	90.92%
35.0	262.715	18.075	1705.375	0.91%	91.89%
36.0	229.780	15.681	1721.056	0.79%	92.74%
37.0	172.212	13.111	1734.167	0.66%	93.45%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	114.582	9.573	1743.74	0.48%	93.96%
39.0	90.026	6.984	1750.723	0.35%	94.34%
40.0	76.969	5.824	1756.548	0.29%	94.65%
41.0	68.486	5.180	1761.727	0.26%	94.93%
42.0	62.591	4.762	1766.489	0.24%	95.19%
43.0	57.118	4.434	1770.924	0.22%	95.43%
44.0	52.724	4.146	1775.07	0.21%	95.65%
45.0	48.538	3.892	1778.961	0.19%	95.86%
46.0	45.016	3.659	1782.62	0.18%	96.06%
47.0	41.827	3.454	1786.074	0.17%	96.24%
48.0	38.803	3.259	1789.333	0.16%	96.42%
49.0	36.077	3.075	1792.408	0.15%	96.58%
50.0	33.752	2.911	1795.32	0.15%	96.74%
51.0	31.545	2.763	1798.082	0.14%	96.89%
52.0	29.670	2.627	1800.709	0.13%	97.03%
53.0	27.746	2.498	1803.207	0.13%	97.17%
54.0	26.279	2.381	1805.588	0.12%	97.29%
55.0	24.798	2.280	1807.868	0.11%	97.42%
56.0	23.567	2.185	1810.053	0.11%	97.53%
57.0	22.397	2.102	1812.155	0.11%	97.65%
58.0	21.387	2.025	1814.18	0.10%	97.76%
59.0	20.453	1.956	1816.136	0.10%	97.86%
60.0	19.574	1.891	1818.027	0.09%	97.96%
61.0	18.827	1.833	1819.859	0.09%	98.06%
62.0	18.038	1.776	1821.636	0.09%	98.16%
63.0	17.416	1.724	1823.36	0.09%	98.25%
64.0	16.751	1.677	1825.037	0.08%	98.34%
65.0	16.191	1.630	1826.667	0.08%	98.43%
66.0	15.637	1.588	1828.255	0.08%	98.51%
67.0	15.118	1.546	1829.801	0.08%	98.60%
68.0	14.600	1.505	1831.307	0.08%	98.68%
69.0	14.115	1.465	1832.772	0.07%	98.76%
70.0	13.638	1.425	1834.197	0.07%	98.84%
71.0	13.209	1.388	1835.585	0.07%	98.91%
72.0	12.787	1.352	1836.936	0.07%	98.98%
73.0	12.385	1.316	1838.253	0.07%	99.05%
74.0	11.977	1.281	1839.534	0.06%	99.12%
75.0	11.603	1.246	1840.779	0.06%	99.19%

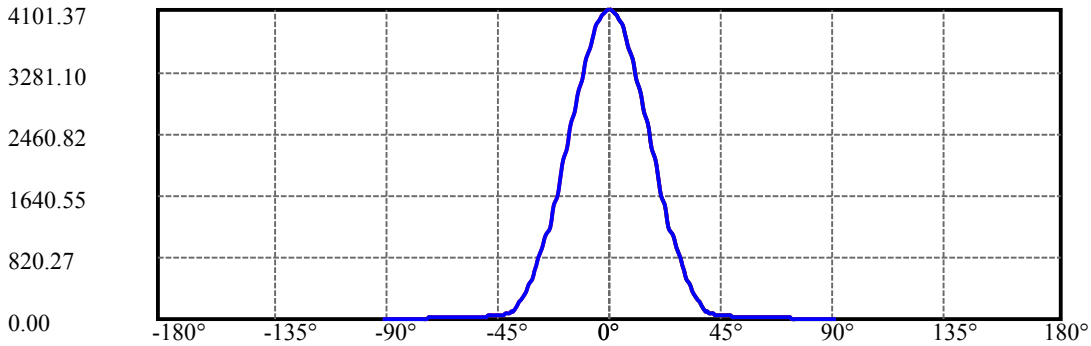
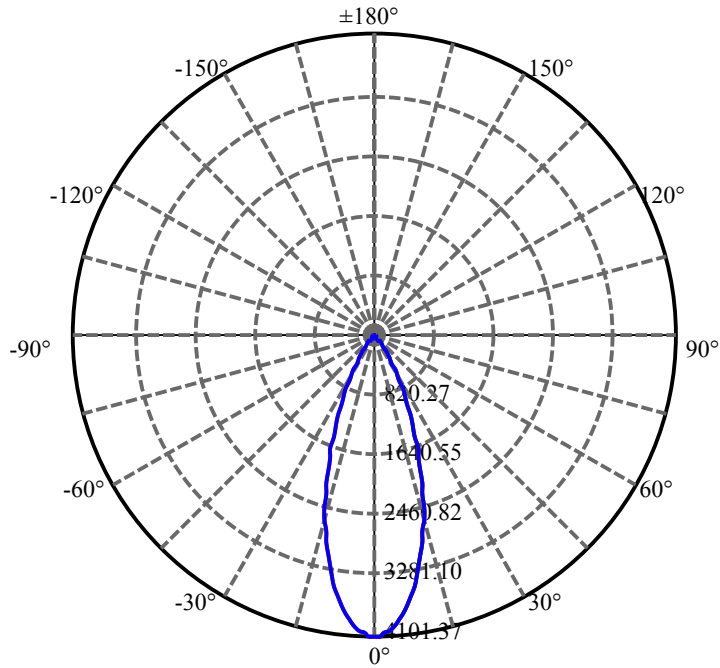
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.216	1.211	1841.991	0.06%	99.26%
77.0	10.849	1.176	1843.167	0.06%	99.32%
78.0	10.483	1.142	1844.309	0.06%	99.38%
79.0	10.150	1.109	1845.418	0.06%	99.44%
80.0	9.839	1.078	1846.495	0.05%	99.50%
81.0	9.500	1.046	1847.541	0.05%	99.55%
82.0	9.209	1.015	1848.556	0.05%	99.61%
83.0	8.919	0.985	1849.541	0.05%	99.66%
84.0	8.656	0.957	1850.499	0.05%	99.71%
85.0	8.469	0.935	1851.433	0.05%	99.76%
86.0	8.262	0.915	1852.348	0.05%	99.81%
87.0	8.082	0.894	1853.242	0.04%	99.86%
88.0	7.902	0.876	1854.118	0.04%	99.91%
89.0	7.722	0.856	1854.974	0.04%	99.95%
90.0	7.611	0.841	1855.815	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1579.21	79.08%	85.09%
0-40	1756.55	87.96%	94.65%
0-60	1818.03	91.04%	97.96%
0-90	1854.97	92.89%	99.95%
0-120	1854.97	92.89%	99.95%
0-180	1855.81	92.93%	100.00%
60-90	36.95	1.85%	1.99%
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%
0-27.61	1484.65	74.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	353.69
10-20	708.03
20-30	517.48
30-40	177.34
40-50	38.77
50-60	22.71
60-70	16.17
70-80	12.30
80-90	8.48
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



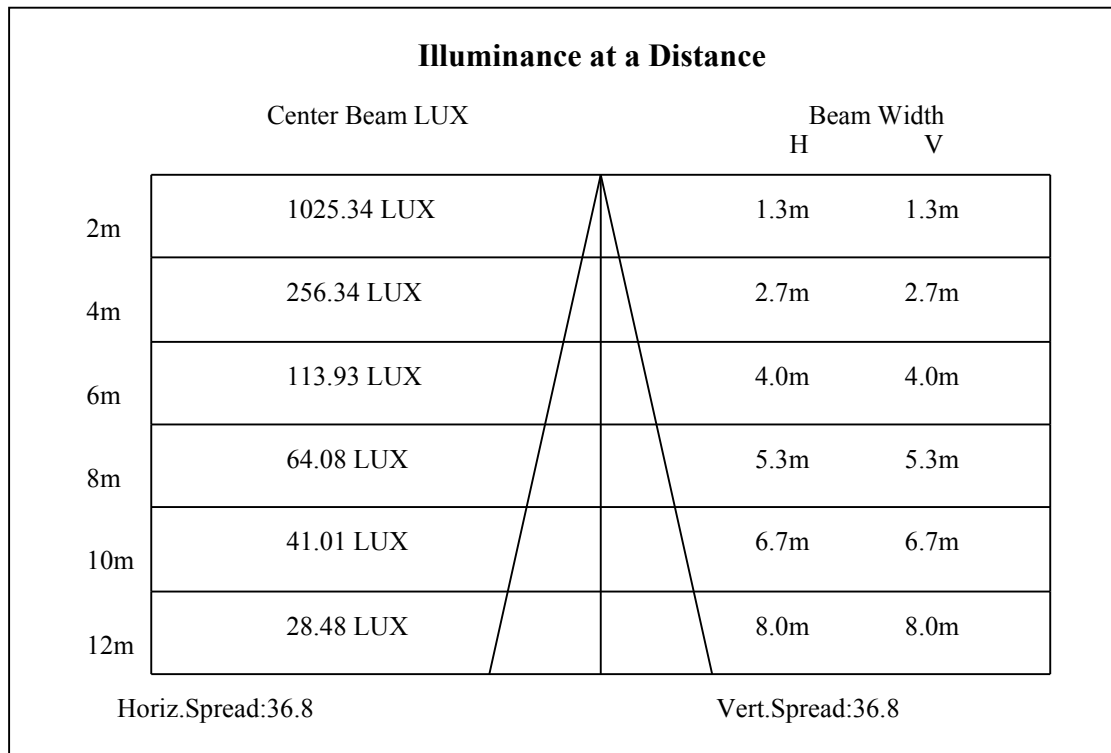
C0(Max): —————

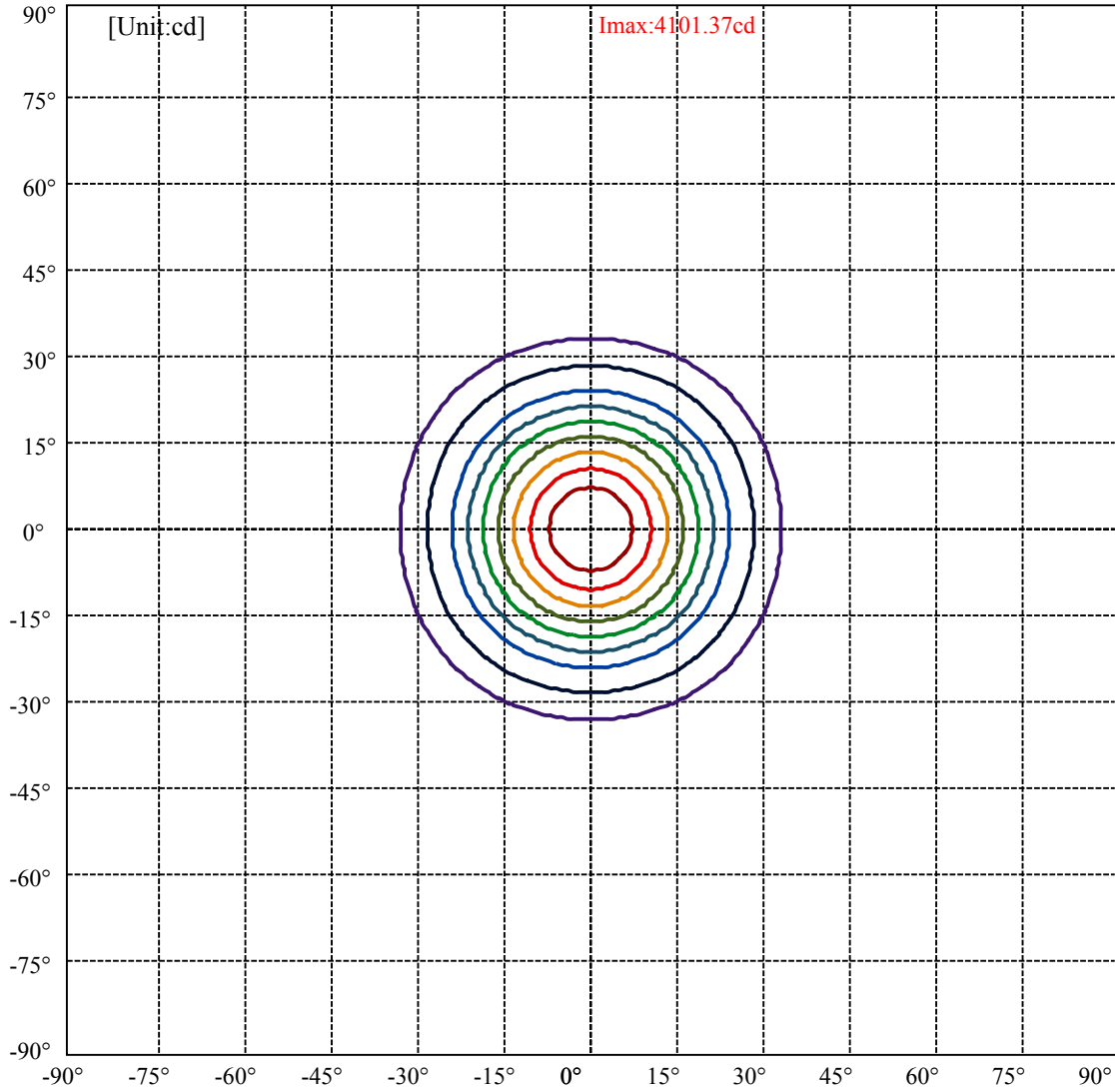
C0/C180: —————

C90/C270: —————

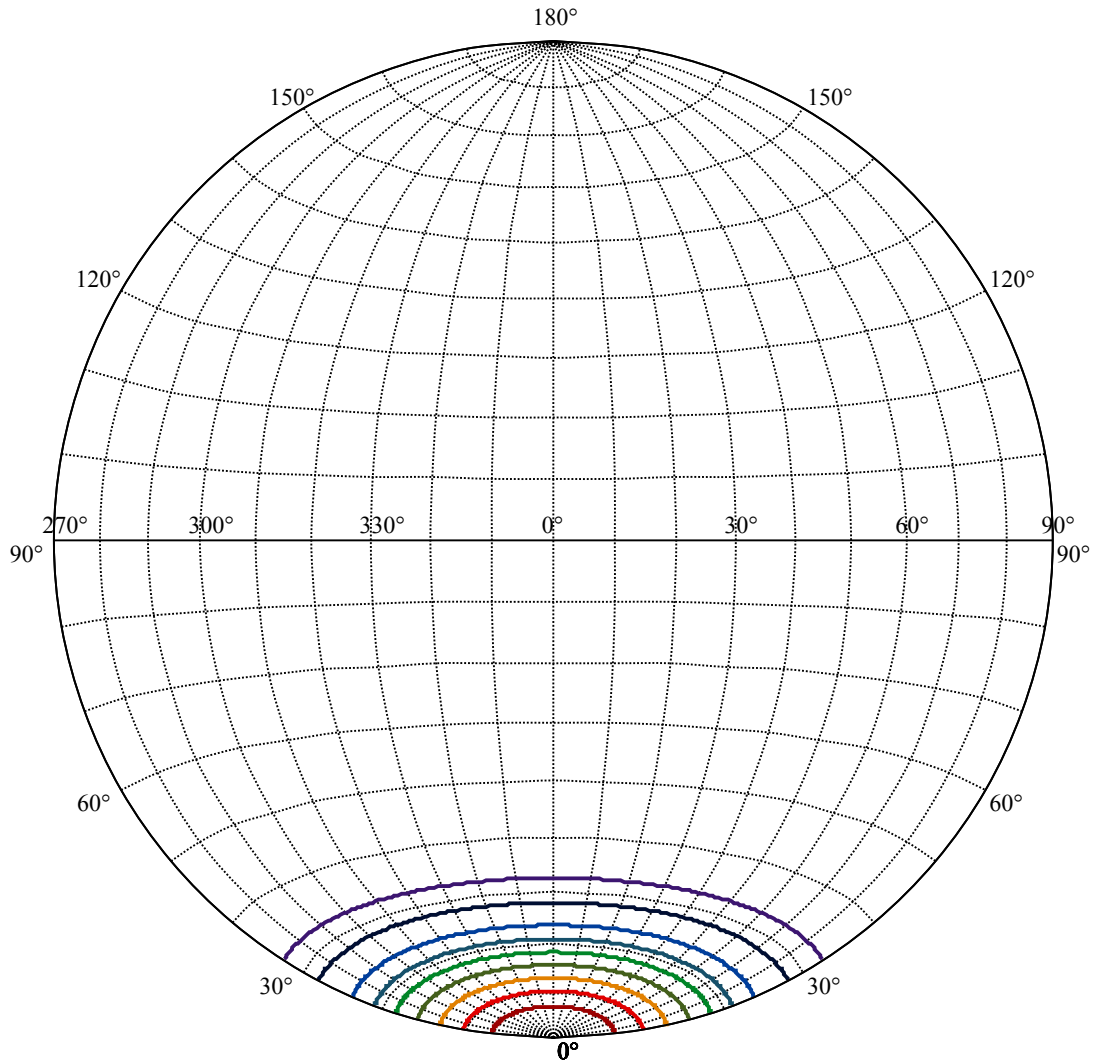
Field angle(10%Imax):C0/180Left:32.7 Right:32.7
:C90/270Left:32.7 Right:32.7

Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4





(10%Imax) 410.137	—
(20%Imax) 820.274	—
(30%Imax) 1230.41	—
(40%Imax) 1640.55	—
(50%Imax) 2050.68	—
(60%Imax) 2460.82	—
(70%Imax) 2870.96	—
(80%Imax) 3281.1	—
(90%Imax) 3691.23	—












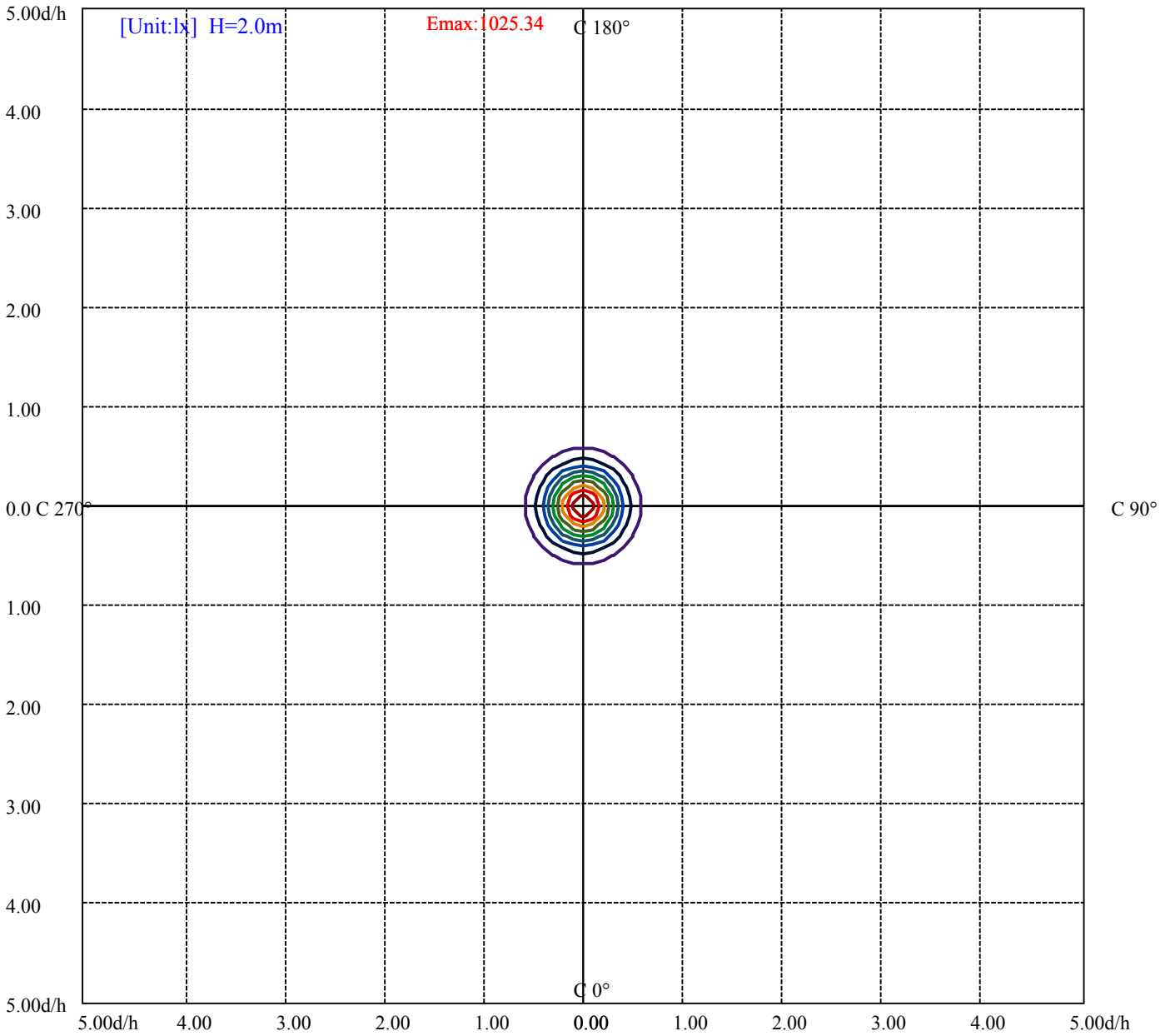
House

[Unit:cd]

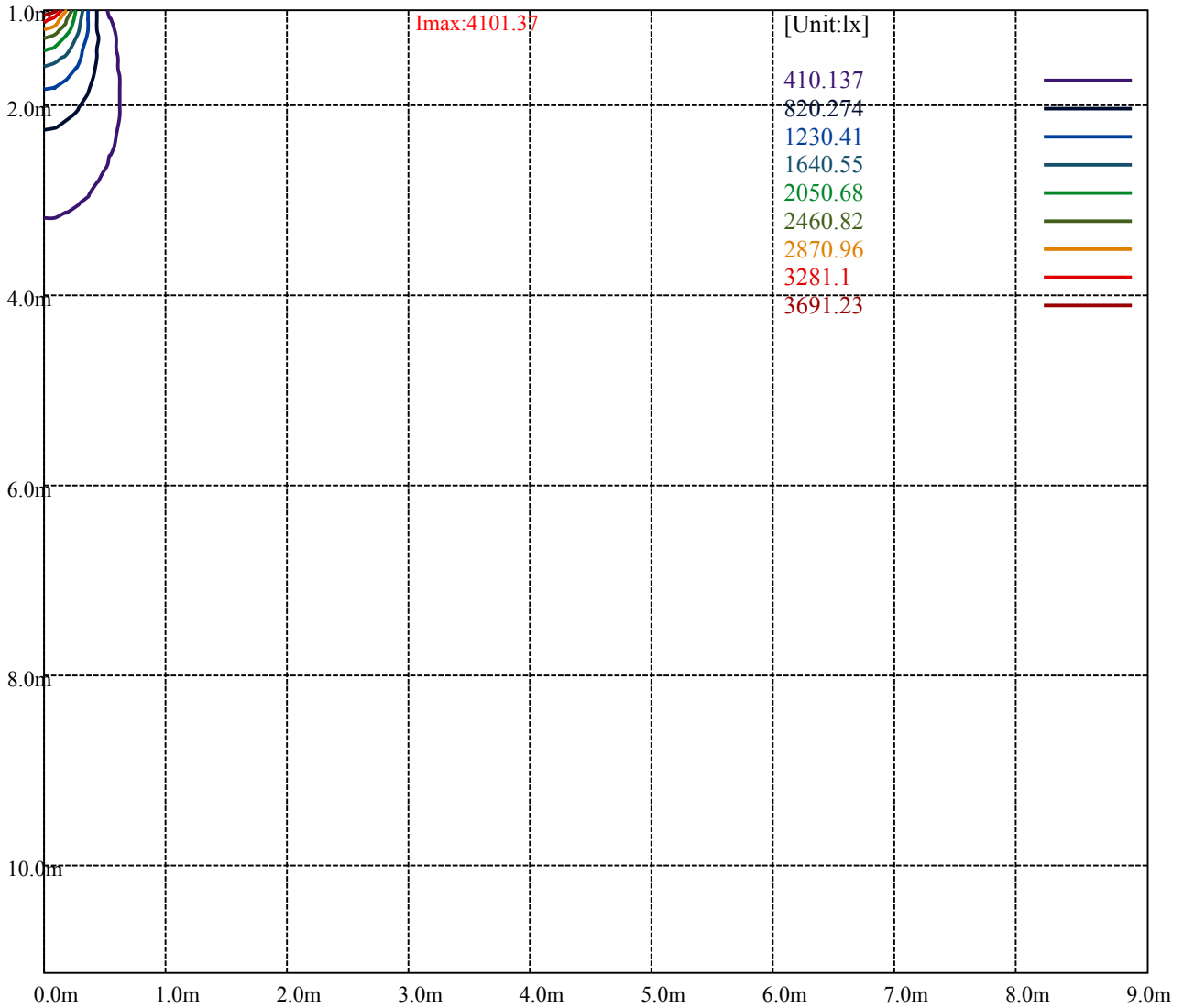
Road

Imax:4101.37

(10%Imax)	410.137	
(20%Imax)	820.274	
(30%Imax)	1230.41	
(40%Imax)	1640.55	
(50%Imax)	2050.68	
(60%Imax)	2460.82	
(70%Imax)	2870.96	
(80%Imax)	3281.1	
(90%Imax)	3691.23	



(10%Emax) 102.5342	—
(20%Emax) 205.0685	—
(30%Emax) 307.6025	—
(40%Emax) 410.1375	—
(50%Emax) 512.67	—
(60%Emax) 615.205	—
(70%Emax) 717.74	—
(80%Emax) 820.2725	—
(90%Emax) 922.8075	—



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

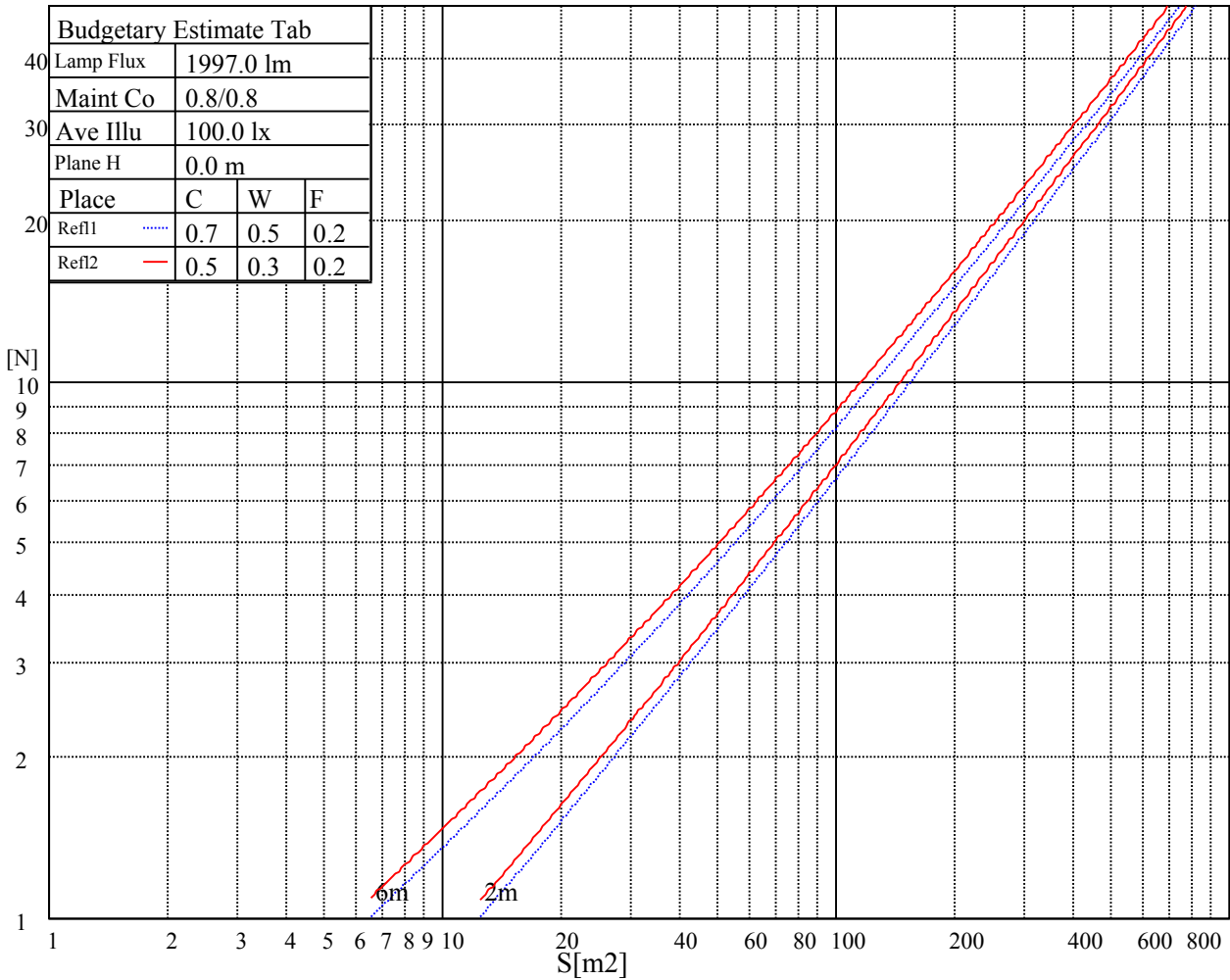
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

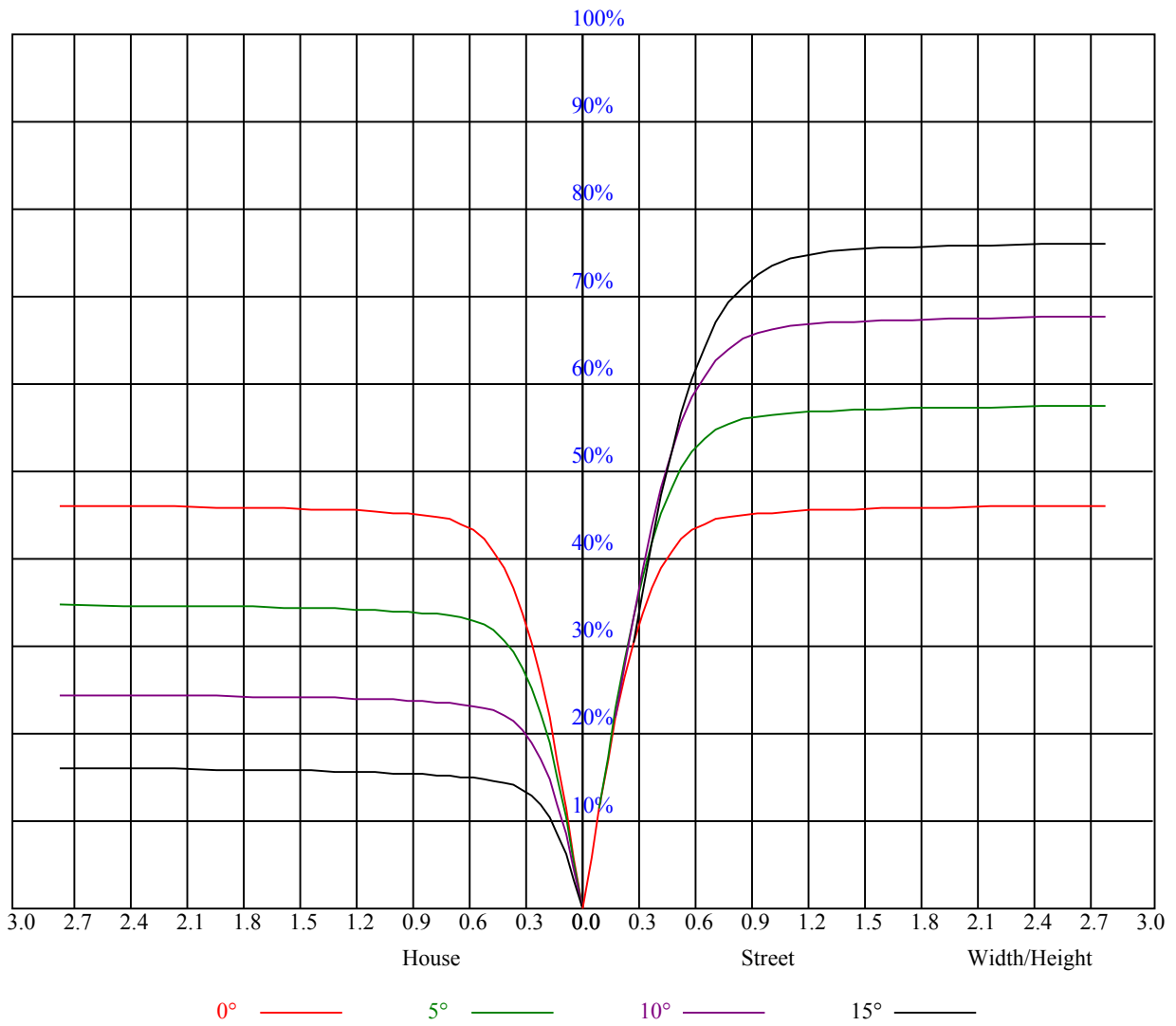


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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



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	4093.34	4074.52	4020.28	3969.90	3903.48	3804.40	3711.96	3609.55	3466.74
45.0	4107.18	4100.54	4082.27	4045.19	3975.44	3917.32	3837.06	3727.46	3627.27
90.0	4093.90	4073.42	4017.51	3966.03	3900.16	3822.66	3704.21	3601.80	3483.90
135.0	4111.06	4093.90	4057.36	4010.87	3954.96	3878.57	3797.76	3687.05	3578.00
180.0	4093.34	4104.97	4088.92	4067.33	4022.49	3957.73	3892.96	3815.47	3719.71
225.0	4107.18	4090.02	4065.11	4024.15	3965.48	3875.25	3804.40	3679.30	3569.14
270.0	4093.90	4103.31	4098.33	4071.20	4030.79	3961.60	3900.71	3819.90	3702.55
315.0	4111.06	4102.75	4073.97	4025.26	3966.03	3902.93	3808.27	3711.40	3601.25
360.0	4093.34	4074.52	4020.28	3969.90	3903.48	3804.40	3711.96	3609.55	3466.74
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3341.64	3209.90	3071.52	2896.60	2754.34	2614.85	2468.16	2279.96	2130.50
45.0	3515.45	3359.91	3226.51	3084.25	2906.56	2764.30	2620.38	2434.40	2283.83
90.0	3327.80	3193.85	3056.02	2876.67	2732.75	2595.47	2413.92	2267.78	2121.65
135.0	3468.40	3341.09	3178.90	3043.29	2902.69	2731.09	2588.83	2447.68	2256.71
180.0	3591.29	3471.17	3347.18	3178.90	3043.84	2906.56	2739.95	2596.03	2455.98
225.0	3447.37	3290.16	3151.78	3008.41	2870.03	2696.22	2553.41	2412.81	2268.34
270.0	3594.05	3475.04	3344.96	3167.28	3023.91	2885.53	2742.72	2563.37	2420.56
315.0	3493.31	3331.68	3197.17	3065.98	2925.38	2746.04	2608.21	2461.52	2274.42
360.0	3341.64	3209.90	3071.52	2896.60	2754.34	2614.85	2468.16	2279.96	2130.50
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1979.94	1790.63	1643.95	1475.12	1351.68	1084.10	1084.10	1014.24	917.60
45.0	2136.04	1991.01	1805.58	1663.32	1529.36	1405.37	1265.33	1158.50	1042.25
90.0	1978.28	1792.29	1650.59	1516.63	1364.41	1095.89	1095.89	1049.61	929.89
135.0	2111.13	1958.36	1771.26	1629.55	1497.26	1374.93	1235.99	1135.25	1038.38
180.0	2281.62	2127.18	1976.62	1834.36	1656.68	1516.63	1395.96	1288.02	1157.94
225.0	2076.81	1928.46	1777.35	1601.32	1469.03	1352.23	1093.12	1093.12	1022.93
270.0	2282.73	2080.13	1930.12	1788.42	1617.93	1480.65	1325.11	1219.94	1112.55
315.0	2122.76	1928.46	1777.35	1633.43	1498.92	1343.38	1080.67	1080.67	1035.83
360.0	1979.94	1790.63	1643.95	1475.12	1351.68	1084.10	1084.10	1014.24	917.60
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	820.51	725.91	616.14	534.11	457.50	386.64	304.83	246.71	193.29
45.0	945.38	847.41	728.40	638.73	556.25	479.31	389.63	324.87	294.43
90.0	830.86	736.87	627.16	546.06	468.51	378.12	312.58	253.85	190.80
135.0	939.30	818.07	725.08	638.73	538.54	463.81	376.90	314.91	286.12
180.0	1059.41	937.08	840.77	748.88	636.51	552.37	472.66	399.60	316.01
225.0	906.58	812.26	719.93	630.03	528.41	452.96	382.99	318.95	245.94
270.0	1024.54	905.53	806.45	717.33	630.98	526.91	451.08	380.78	317.67
315.0	919.92	824.16	729.84	642.10	540.14	464.58	395.28	314.63	257.45
360.0	820.51	725.91	616.14	534.11	457.50	386.64	304.83	246.71	193.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	138.49	106.61	86.24	73.90	67.14	61.66	55.80	51.70	47.94
45.0	294.43	146.24	110.26	88.40	76.50	68.36	62.83	56.96	52.81
90.0	148.24	114.47	91.33	76.78	70.13	64.38	59.45	54.14	50.21
135.0	286.12	141.48	108.60	88.51	77.83	69.19	63.66	58.79	54.41
180.0	285.02	285.02	153.38	110.54	88.79	76.66	69.41	62.05	57.12
225.0	193.52	148.18	104.67	84.14	73.29	65.04	59.84	55.35	50.37
270.0	288.34	288.34	149.62	108.22	86.91	74.45	67.59	61.94	57.12
315.0	204.09	147.35	112.53	89.73	75.17	68.14	62.16	56.02	51.81
360.0	138.49	106.61	86.24	73.90	67.14	61.66	55.80	51.70	47.94

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	43.95	40.96	38.25	35.81	33.05	30.94	29.17	27.57	25.74
45.0	49.15	45.06	42.18	39.36	36.09	33.82	31.83	29.89	27.84
90.0	46.72	42.84	39.91	36.81	34.43	32.38	30.44	28.40	26.85
135.0	49.60	46.16	43.07	39.30	36.70	34.21	31.66	29.78	27.62
180.0	51.76	48.05	44.56	40.74	37.92	35.43	32.66	30.67	28.73
225.0	46.88	43.73	40.30	37.70	35.37	33.21	30.83	29.06	27.51
270.0	52.14	48.55	45.22	42.29	39.02	36.64	34.43	32.49	30.17
315.0	48.10	44.78	41.13	38.42	36.04	33.38	31.33	29.50	27.51
360.0	43.95	40.96	38.25	35.81	33.05	30.94	29.17	27.57	25.74
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.41	22.97	21.92	20.98	19.93	19.15	18.38	17.77	16.99
45.0	26.40	25.08	23.97	22.58	21.64	20.76	19.71	18.99	18.10
90.0	25.46	24.19	22.86	21.81	20.92	19.87	19.15	18.43	17.60
135.0	26.13	24.85	23.75	22.42	21.42	20.54	19.71	18.82	18.16
180.0	27.18	25.35	24.02	22.86	21.86	20.65	19.87	19.04	18.21
225.0	26.07	24.52	23.36	22.09	21.15	20.37	19.37	18.71	18.05
270.0	28.56	26.74	25.41	24.19	22.92	21.86	20.98	20.20	19.21
315.0	26.02	24.69	23.25	22.25	21.26	20.43	19.43	18.65	17.99
360.0	24.41	22.97	21.92	20.98	19.93	19.15	18.38	17.77	16.99
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.50	15.89	15.39	14.83	14.34	13.89	13.40	13.01	12.51
45.0	17.44	16.88	16.33	15.67	15.17	14.72	14.23	13.62	13.28
90.0	17.05	16.50	15.83	15.33	14.83	14.23	13.78	13.34	12.95
135.0	17.49	16.72	16.22	15.72	15.11	14.67	14.17	13.62	13.23
180.0	17.55	16.83	16.27	15.72	15.28	14.67	14.28	13.84	13.45
225.0	17.38	16.66	16.16	15.67	15.17	14.56	14.17	13.67	13.17
270.0	18.49	17.82	17.21	16.50	16.00	15.50	14.83	14.39	13.89
315.0	17.44	16.72	16.11	15.67	15.06	14.56	14.06	13.62	13.17
360.0	16.50	15.89	15.39	14.83	14.34	13.89	13.40	13.01	12.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.12	11.79	11.46	11.07	10.68	10.41	10.07	9.69	9.47
45.0	12.84	12.45	12.01	11.62	11.29	10.90	10.57	10.13	9.80
90.0	12.45	12.07	11.73	11.35	10.96	10.63	10.24	9.96	9.63
135.0	12.84	12.45	12.01	11.62	11.29	10.96	10.52	10.24	9.96
180.0	13.01	12.62	12.23	11.90	11.40	11.07	10.68	10.35	10.02
225.0	12.84	12.40	11.96	11.62	11.18	10.74	10.46	10.19	9.85
270.0	13.34	12.95	12.45	12.07	11.68	11.29	10.85	10.52	10.19
315.0	12.84	12.34	11.96	11.57	11.24	10.79	10.46	10.13	9.80
360.0	12.12	11.79	11.46	11.07	10.68	10.41	10.07	9.69	9.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.13	8.91	8.64	8.41	8.19	8.08	7.86	7.69	7.58
45.0	9.58	9.24	8.86	8.69	8.47	8.25	8.08	7.86	7.69
90.0	9.24	9.08	8.75	8.52	8.36	8.19	8.03	7.75	7.64
135.0	9.58	9.24	8.97	8.69	8.52	8.30	8.14	7.97	7.75
180.0	9.69	9.41	9.13	8.80	8.64	8.36	8.19	8.03	7.86
225.0	9.47	9.19	8.91	8.64	8.47	8.25	8.08	7.86	7.69
270.0	9.85	9.47	9.19	8.86	8.64	8.41	8.19	8.08	7.86
315.0	9.47	9.13	8.91	8.64	8.47	8.25	8.08	7.97	7.69
360.0	9.13	8.91	8.64	8.41	8.19	8.08	7.86	7.69	7.58

Intensity data(cd)

C/γ(°)	90.0
0.0	7.58
45.0	7.53
90.0	7.69
135.0	7.64
180.0	7.58
225.0	7.64
270.0	7.64
315.0	7.58
360.0	7.58