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NATA

Client:

LumCAT: 2-2643-L

Luminaire: 92.70.429.00

Report No: 20231010-B007

Ballast type: AC

Test No: 20231010-C007

Voltage(V): 36.050

LampCAT: CREE CXA1830 LES14

Current(A): 0.530

Lamp flux(lm): 1997.0

Power (W): 19.106

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1908.62, Efficiency(%): 95.57% , Luminous Efficacy(lm/W): 99.90

Central intensity(cd): 11281.450, Maximum intensity(cd): 11281.450

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=16.6

[C90/270]Total=16.6

Field angle(10%Imax): [C0/180]Total=42.8

[C90/270]Total=42.8

Maximum s/h(1/2): C0_180=0.29 C90_270=0.29

Maximum s/h(1/4): C0_180=0.31 C90_270=0.31

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.57%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.045%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11281.451	0.000	0	0.00%	0.00%
1.0	11258.133	10.785	10.785	0.54%	0.57%
2.0	11027.724	31.987	42.772	1.60%	2.24%
3.0	10498.267	51.483	94.255	2.58%	4.94%
4.0	9706.434	67.632	161.886	3.39%	8.48%
5.0	8791.369	79.577	241.463	3.98%	12.65%
6.0	7852.503	87.468	328.931	4.38%	17.23%
7.0	6917.443	91.677	420.608	4.59%	22.04%
8.0	5928.066	91.933	512.54	4.60%	26.85%
9.0	5057.492	89.032	601.572	4.46%	31.52%
10.0	4309.665	84.769	686.342	4.24%	35.96%
11.0	3715.998	80.193	766.535	4.02%	40.16%
12.0	3173.117	75.308	841.843	3.77%	44.11%
13.0	2778.723	70.633	912.476	3.54%	47.81%
14.0	2547.345	68.173	980.649	3.41%	51.38%
15.0	2296.026	66.492	1047.141	3.33%	54.86%
16.0	1937.943	62.039	1109.181	3.11%	58.11%
17.0	1743.652	57.332	1166.513	2.87%	61.12%
18.0	1581.466	54.824	1221.337	2.75%	63.99%
19.0	1419.972	52.219	1273.556	2.61%	66.73%
20.0	1254.790	48.956	1322.511	2.45%	69.29%
21.0	1166.632	46.496	1369.007	2.33%	71.73%
22.0	1076.600	45.079	1414.086	2.26%	74.09%
23.0	972.916	43.004	1457.091	2.15%	76.34%
24.0	894.397	40.826	1497.917	2.04%	78.48%
25.0	827.183	39.145	1537.062	1.96%	80.53%
26.0	760.365	37.474	1574.536	1.88%	82.50%
27.0	693.844	35.578	1610.113	1.78%	84.36%
28.0	618.009	33.213	1643.327	1.66%	86.10%
29.0	542.901	30.373	1673.699	1.52%	87.69%
30.0	463.407	27.170	1700.87	1.36%	89.12%
31.0	383.856	23.578	1724.448	1.18%	90.35%
32.0	308.174	19.826	1744.274	0.99%	91.39%
33.0	251.589	16.491	1760.764	0.83%	92.25%
34.0	209.534	13.955	1774.719	0.70%	92.98%
35.0	146.431	11.055	1785.774	0.55%	93.56%
36.0	111.586	8.215	1793.99	0.41%	93.99%
37.0	97.526	6.820	1800.81	0.34%	94.35%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	86.829	6.154	1806.963	0.31%	94.67%
39.0	77.156	5.597	1812.56	0.28%	94.97%
40.0	69.220	5.105	1817.665	0.26%	95.23%
41.0	61.775	4.665	1822.33	0.23%	95.48%
42.0	55.852	4.274	1826.604	0.21%	95.70%
43.0	50.386	3.935	1830.539	0.20%	95.91%
44.0	45.902	3.634	1834.173	0.18%	96.10%
45.0	41.757	3.369	1837.542	0.17%	96.28%
46.0	38.360	3.133	1840.675	0.16%	96.44%
47.0	35.260	2.928	1843.603	0.15%	96.59%
48.0	32.735	2.749	1846.352	0.14%	96.74%
49.0	30.431	2.594	1848.946	0.13%	96.87%
50.0	28.473	2.456	1851.402	0.12%	97.00%
51.0	26.653	2.332	1853.734	0.12%	97.12%
52.0	25.158	2.223	1855.957	0.11%	97.24%
53.0	23.809	2.130	1858.087	0.11%	97.35%
54.0	22.633	2.047	1860.134	0.10%	97.46%
55.0	21.685	1.978	1862.113	0.10%	97.56%
56.0	20.820	1.921	1864.033	0.10%	97.66%
57.0	20.100	1.871	1865.904	0.09%	97.76%
58.0	19.519	1.832	1867.736	0.09%	97.86%
59.0	19.021	1.802	1869.538	0.09%	97.95%
60.0	18.578	1.776	1871.314	0.09%	98.05%
61.0	18.149	1.753	1873.067	0.09%	98.14%
62.0	17.769	1.731	1874.798	0.09%	98.23%
63.0	17.319	1.706	1876.504	0.09%	98.32%
64.0	16.717	1.670	1878.174	0.08%	98.40%
65.0	16.108	1.624	1879.799	0.08%	98.49%
66.0	15.492	1.577	1881.376	0.08%	98.57%
67.0	14.835	1.525	1882.901	0.08%	98.65%
68.0	14.260	1.474	1884.374	0.07%	98.73%
69.0	13.700	1.426	1885.801	0.07%	98.80%
70.0	13.174	1.380	1887.181	0.07%	98.88%
71.0	12.690	1.337	1888.518	0.07%	98.95%
72.0	12.268	1.298	1889.816	0.06%	99.01%
73.0	11.929	1.265	1891.081	0.06%	99.08%
74.0	11.610	1.238	1892.318	0.06%	99.15%
75.0	11.285	1.210	1893.528	0.06%	99.21%

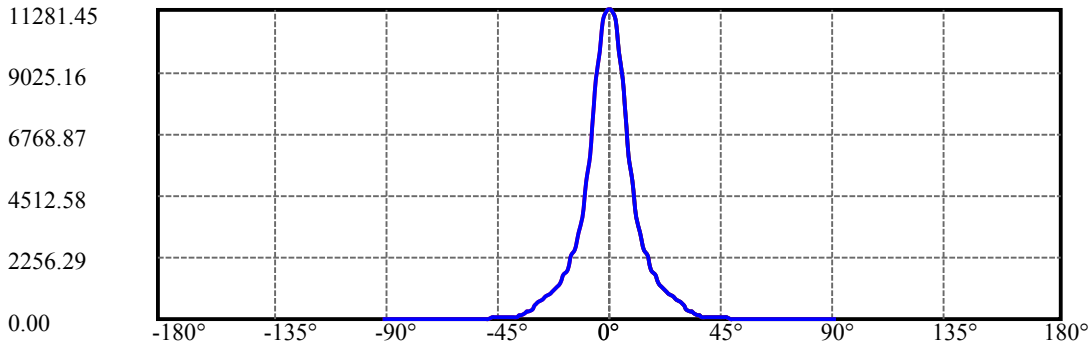
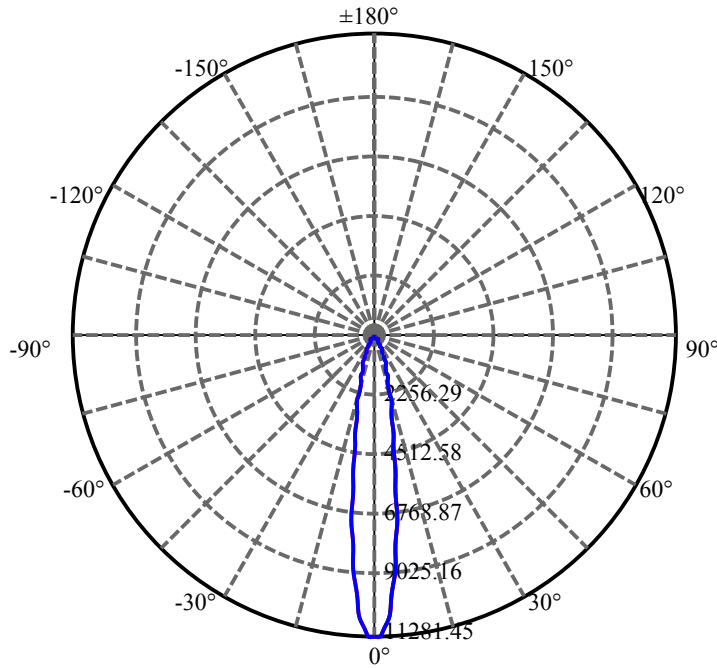
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.974	1.182	1894.71	0.06%	99.27%
77.0	10.676	1.154	1895.864	0.06%	99.33%
78.0	10.386	1.127	1896.991	0.06%	99.39%
79.0	10.095	1.100	1898.092	0.06%	99.45%
80.0	9.798	1.072	1899.164	0.05%	99.50%
81.0	9.542	1.046	1900.21	0.05%	99.56%
82.0	9.272	1.020	1901.23	0.05%	99.61%
83.0	8.995	0.993	1902.223	0.05%	99.66%
84.0	8.780	0.968	1903.192	0.05%	99.72%
85.0	8.559	0.946	1904.138	0.05%	99.77%
86.0	8.400	0.927	1905.065	0.05%	99.81%
87.0	8.234	0.910	1905.975	0.05%	99.86%
88.0	8.095	0.894	1906.87	0.04%	99.91%
89.0	7.957	0.880	1907.75	0.04%	99.95%
90.0	7.943	0.872	1908.622	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1700.87	85.17%	89.12%
0-40	1817.67	91.02%	95.23%
0-60	1871.31	93.70%	98.05%
0-90	1907.75	95.53%	99.95%
0-120	1907.75	95.53%	99.95%
0-180	1908.62	95.57%	100.00%
60-90	36.44	1.82%	1.91%
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%
0-24.74	1526.90	76.46%	80.00%

ZONAL LUMEN SUMMARY

0-10	686.34
10-20	636.17
20-30	378.36
30-40	116.80
40-50	33.74
50-60	19.91
60-70	15.87
70-80	11.98
80-90	8.59
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



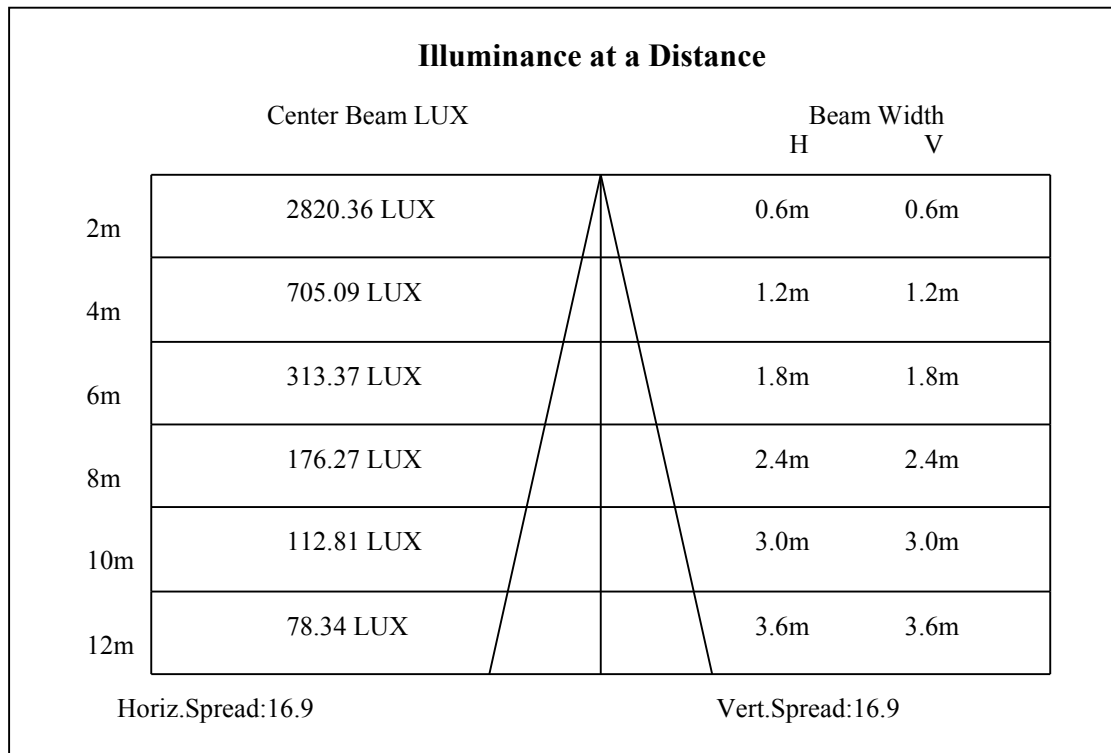
C0(Max): —————

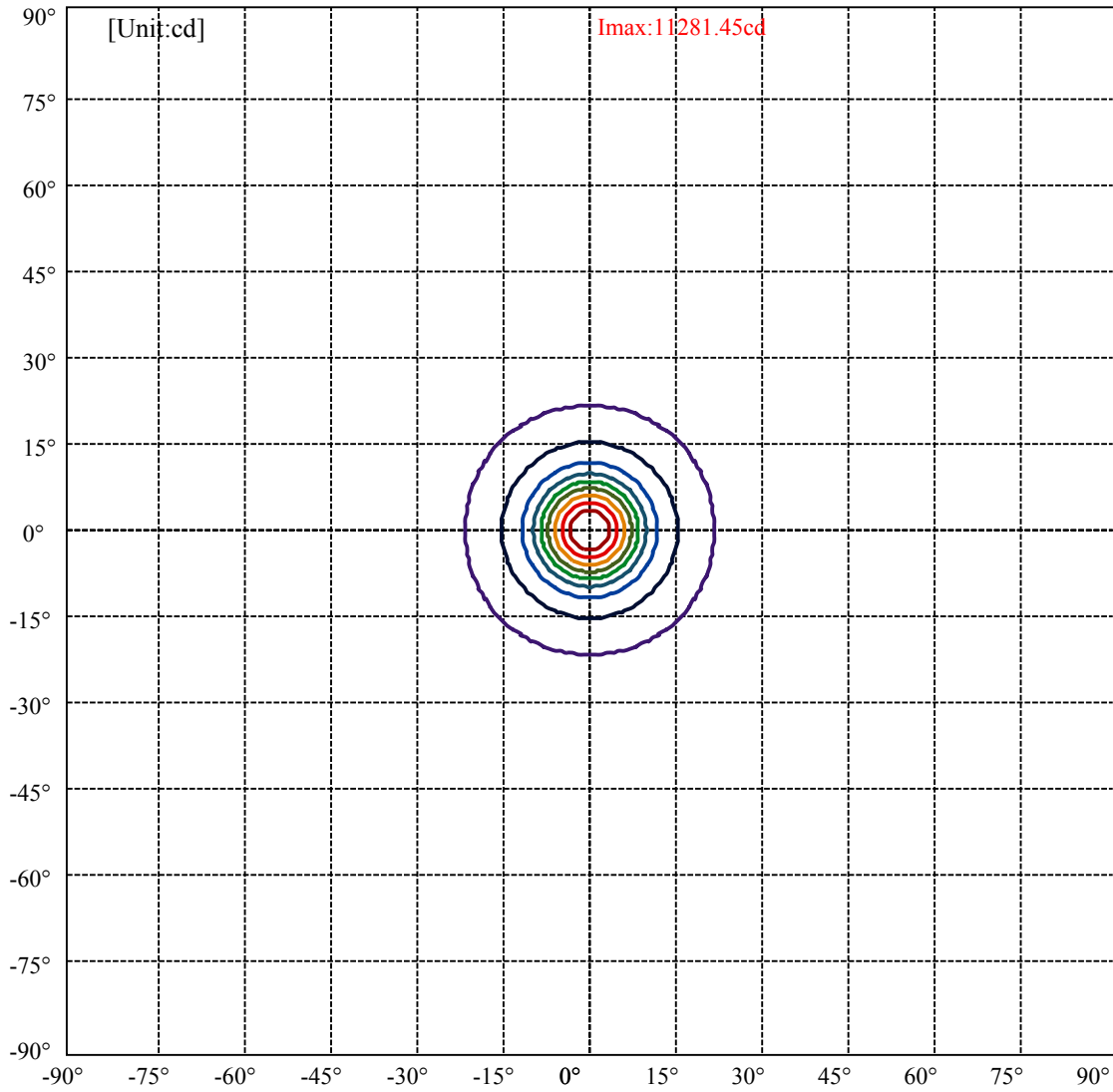
C0/C180: —————

C90/C270: —————

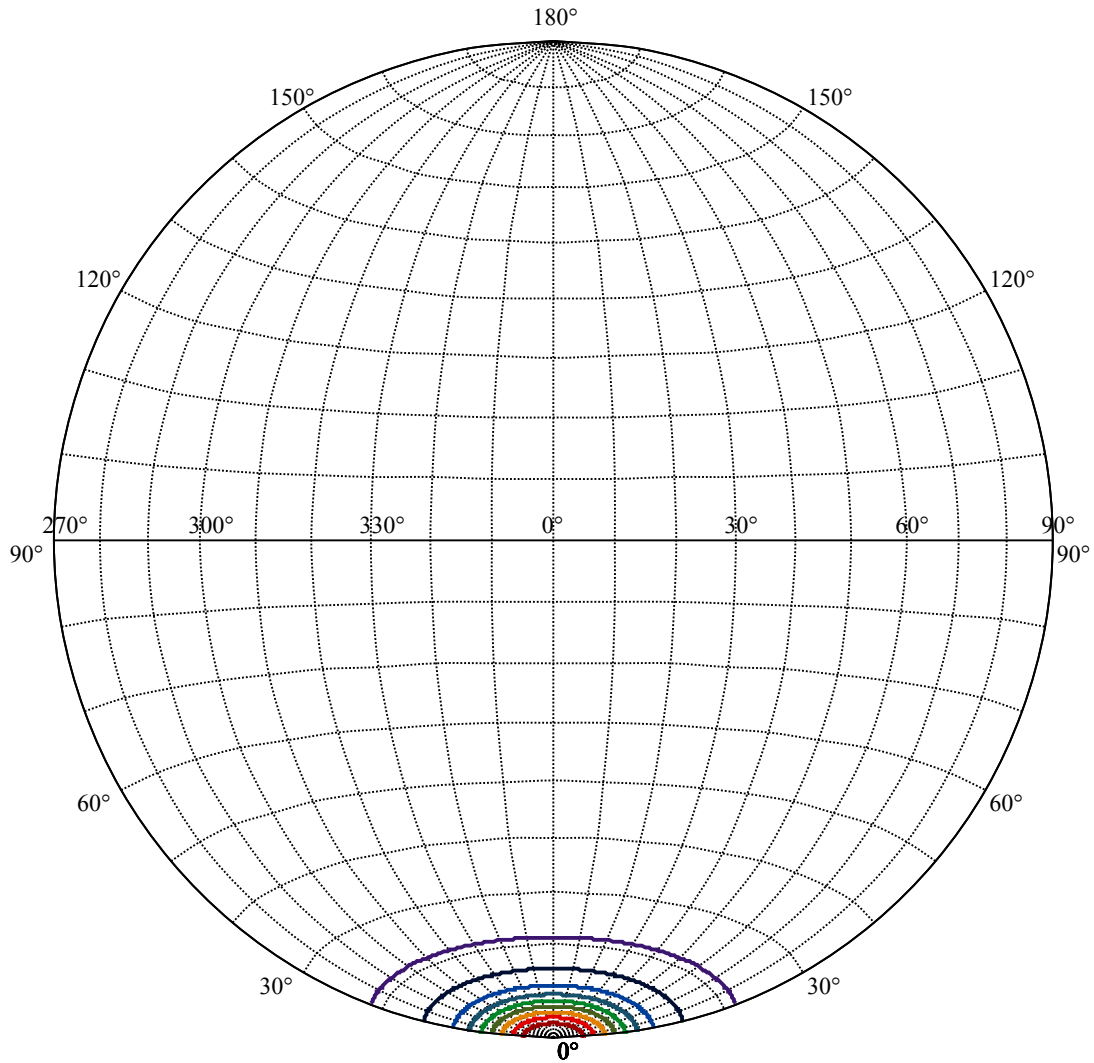
Field angle(10%Imax):C0/180Left:21.4 Right:21.4
:C90/270Left:21.4 Right:21.4

Beam Angle(50%Imax):C0/180Left:8.3 Right:8.3
:C90/270Left:8.3 Right:8.3





(10%Imax) 1128.15	—
(20%Imax) 2256.29	—
(30%Imax) 3384.44	—
(40%Imax) 4512.58	—
(50%Imax) 5640.73	—
(60%Imax) 6768.87	—
(70%Imax) 7897.02	—
(80%Imax) 9025.16	—
(90%Imax) 10153.3	—



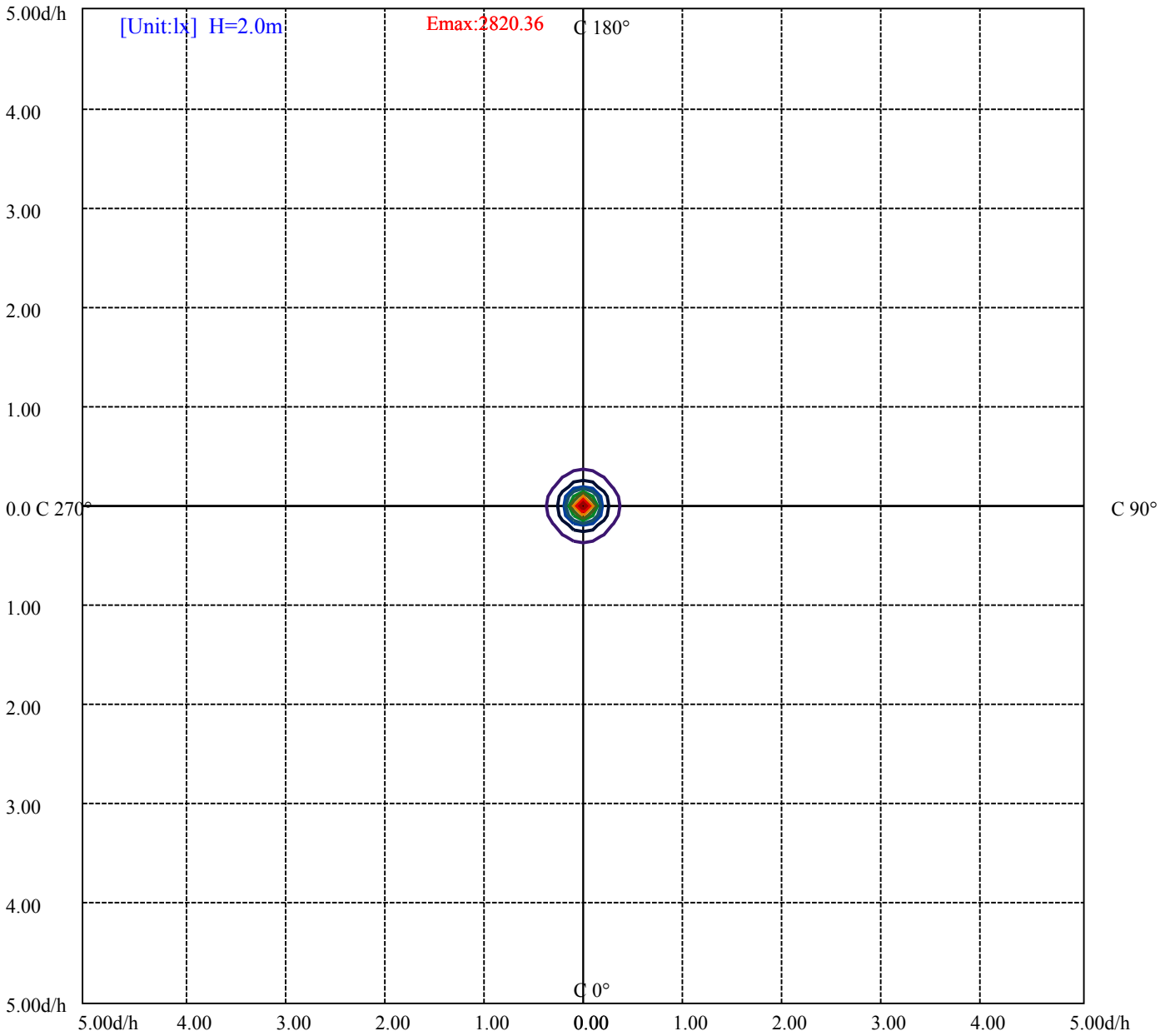
House

[Unit:cd]

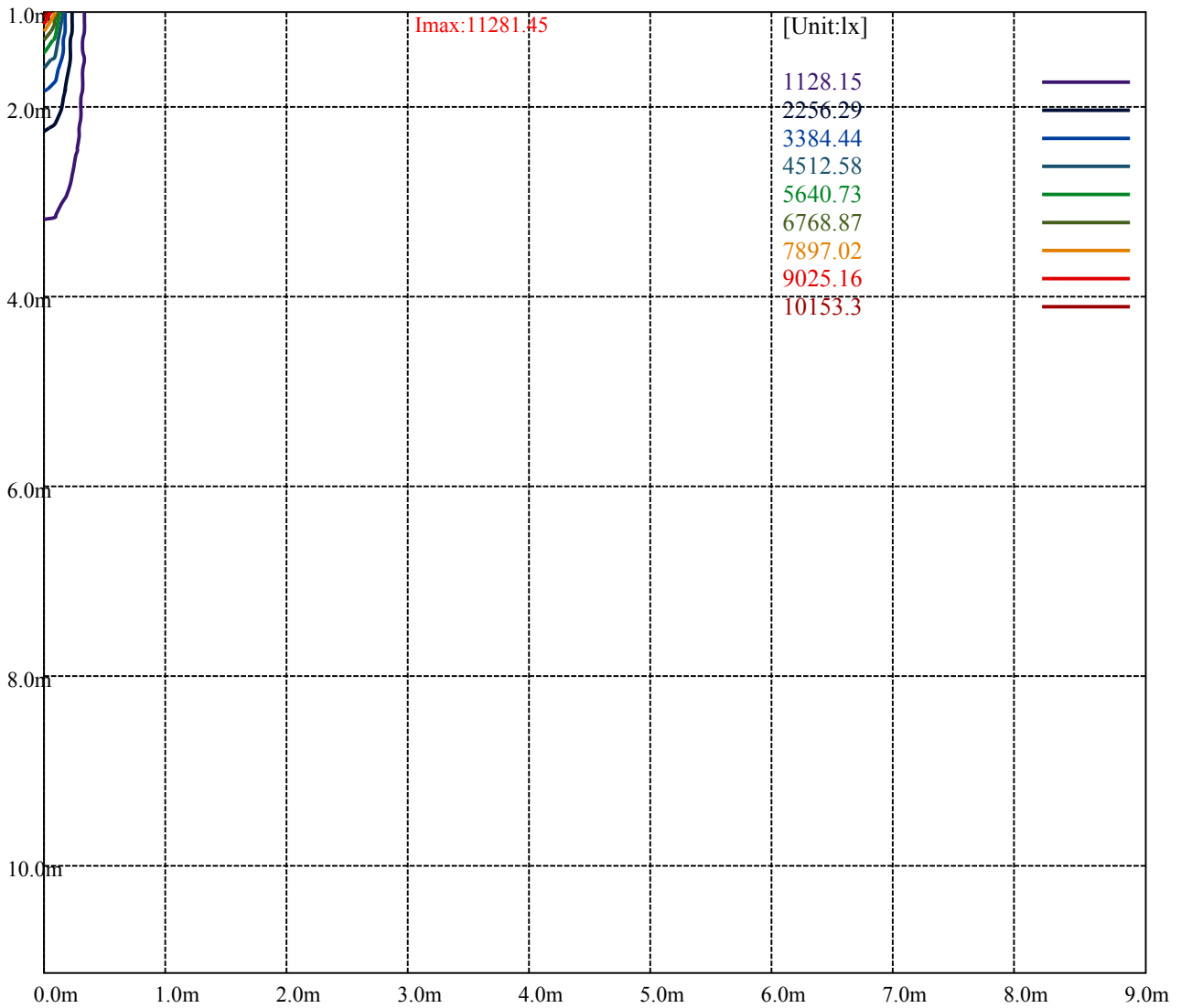
Road

Imax:11281.45

(10%Imax)	1128.15	—
(20%Imax)	2256.29	—
(30%Imax)	3384.44	—
(40%Imax)	4512.58	—
(50%Imax)	5640.73	—
(60%Imax)	6768.87	—
(70%Imax)	7897.02	—
(80%Imax)	9025.16	—
(90%Imax)	10153.3	—



(10%Emax) 282.035	—
(20%Emax) 564.0725	—
(30%Emax) 846.1075	—
(40%Emax) 1128.145	—
(50%Emax) 1410.18	—
(60%Emax) 1692.218	—
(70%Emax) 1974.252	—
(80%Emax) 2256.29	—
(90%Emax) 2538.325	—



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

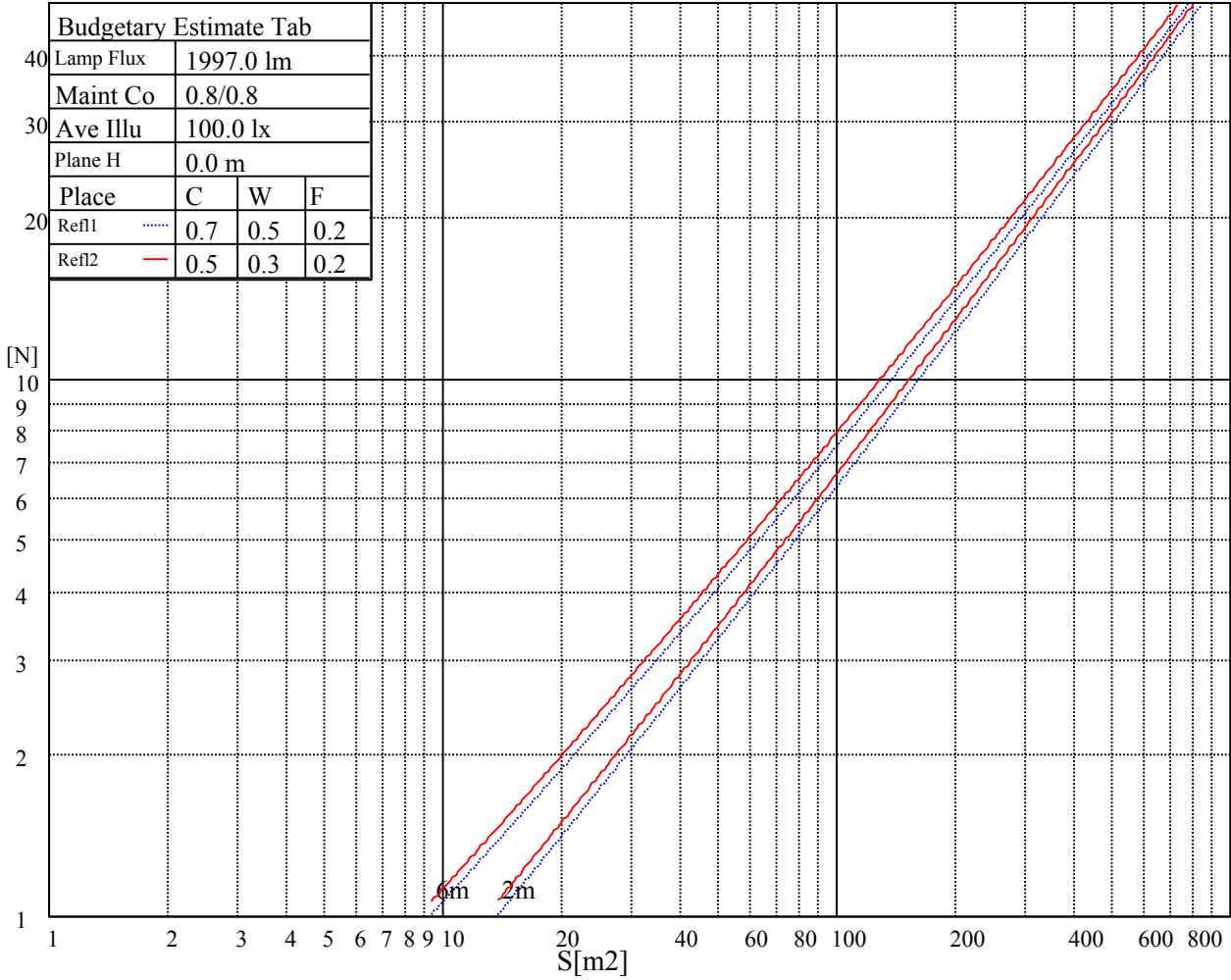
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

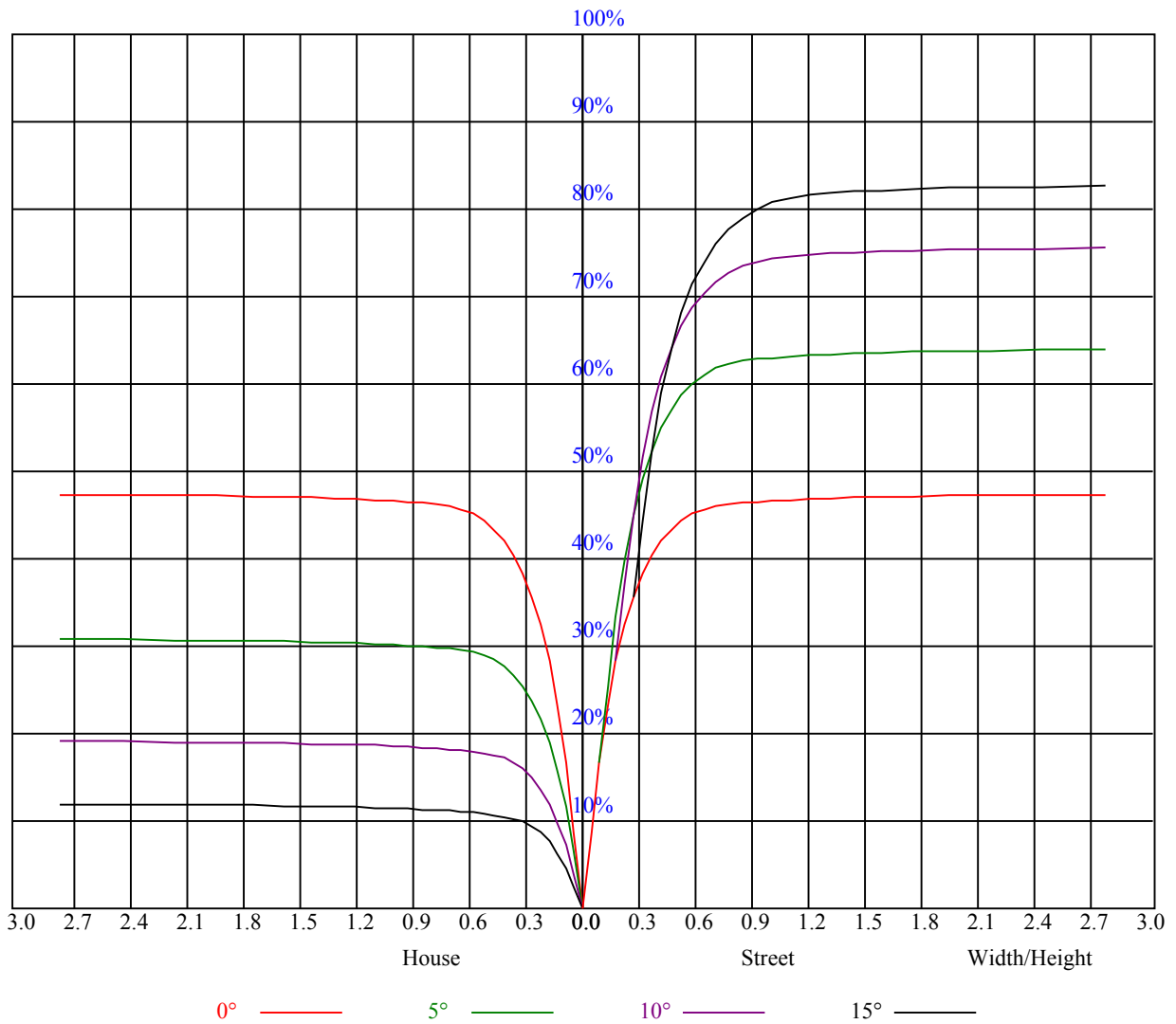


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.07	1.05	1.03	1.05	1.03	1.02	1.01	1.00	0.98	0.98	0.97	0.96	0.94	0.94	0.93	0.91
2	1.01	0.98	0.96	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.92	0.90	0.89	0.87
3	0.97	0.93	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.89	0.87	0.85	0.84
4	0.92	0.88	0.85	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.81
5	0.89	0.84	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.79	0.78
6	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
7	0.82	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.73
8	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.76	0.74	0.71	0.70
9	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
10	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66



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	11040.77	11040.77	10508.83	9789.23	8939.00	7794.84	6895.34	6019.65	4995.05
45.0	11581.08	11525.73	11243.42	10617.93	9898.33	8830.01	7905.60	6997.80	5907.34
90.0	10928.41	10928.41	10480.60	9732.21	8860.40	7935.99	6808.44	5945.47	5119.05
135.0	11575.54	11442.70	11105.04	10584.72	9654.77	8774.65	7872.39	6964.59	5863.05
180.0	11040.77	11570.01	11475.91	11182.53	10518.29	9820.84	9007.14	7855.78	6964.59
225.0	11581.08	10972.14	10972.14	10395.90	9665.24	8592.48	7702.95	6758.62	5853.03
270.0	10928.41	11570.01	11420.55	11066.29	10352.23	9643.70	8807.86	7916.67	6748.71
315.0	11575.54	11015.31	11015.31	10617.32	9763.21	8938.44	7820.30	6880.95	5973.71
360.0	11040.77	11040.77	10508.83	9789.23	8939.00	7794.84	6895.34	6019.65	4995.05

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4279.33	3684.83	3205.47	2726.66	2428.86	2127.18	1921.82	1743.03	1563.13
45.0	5099.17	4379.58	3781.76	3172.87	2807.53	2807.53	2460.41	1969.98	1790.08
90.0	4376.20	3643.32	3165.06	2793.09	2488.64	2184.20	1976.62	1749.67	1602.98
135.0	5043.82	4335.29	3737.48	3139.66	2857.35	2857.35	2150.43	1944.52	1724.76
180.0	5846.45	5027.21	4302.08	3698.73	3106.44	2818.61	2818.61	2170.36	1904.11
225.0	4832.31	4135.41	3572.47	3114.69	2655.26	2365.76	2068.51	1872.00	1702.07
270.0	5863.05	5049.36	4335.29	3582.48	3111.98	2824.14	2824.14	2115.01	1905.77
315.0	5119.60	4222.32	3628.37	3156.76	2773.71	2393.99	2147.66	1938.98	1756.31
360.0	4279.33	3684.83	3205.47	2726.66	2428.86	2127.18	1921.82	1743.03	1563.13

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1436.37	1237.65	1100.04	1075.08	977.05	897.95	835.18	761.89	695.24
45.0	1637.30	1497.81	1347.25	1233.78	1102.03	1000.18	919.37	839.66	780.43
90.0	1469.58	1232.12	1096.61	1096.61	998.03	895.90	833.85	774.56	693.53
135.0	1578.63	1443.01	1324.56	1181.74	1079.34	978.04	901.10	827.48	767.70
180.0	1735.83	1575.86	1439.14	1294.67	1185.62	1054.98	958.67	889.48	811.43
225.0	1519.40	1392.09	1081.06	1081.06	1031.13	943.89	877.19	817.63	740.52
270.0	1704.28	1546.52	1417.00	1273.63	1169.01	1059.97	948.71	883.94	826.37
315.0	1570.33	1434.71	1232.67	1096.50	1070.59	952.41	881.12	822.83	767.70
360.0	1436.37	1237.65	1100.04	1075.08	977.05	897.95	835.18	761.89	695.24

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	625.94	536.71	463.53	390.91	303.28	238.13	183.11	132.30	109.93
45.0	714.01	644.26	554.59	482.07	407.90	335.39	283.36	283.36	141.32
90.0	621.40	550.16	476.59	385.32	316.01	249.53	191.52	136.61	110.76
135.0	699.06	608.28	534.11	461.04	369.15	297.75	281.14	204.42	124.66
180.0	759.40	694.08	620.46	534.11	459.93	382.44	309.37	292.77	214.11
225.0	673.65	602.30	528.96	436.80	364.34	277.71	216.32	166.50	125.71
270.0	767.70	687.44	614.92	540.20	466.58	371.37	301.07	282.80	207.19
315.0	689.60	620.85	550.05	476.82	383.66	313.08	246.82	177.52	137.78
360.0	625.94	536.71	463.53	390.91	303.28	238.13	183.11	132.30	109.93

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.14	88.68	78.27	70.80	63.93	58.01	51.70	47.22	43.45
45.0	107.88	95.15	85.91	75.78	68.42	60.39	55.13	50.15	45.78
90.0	94.60	84.97	76.28	66.37	59.51	53.75	48.71	43.29	39.63
135.0	105.45	92.16	83.14	74.84	67.25	58.95	53.53	48.82	44.50
180.0	134.45	113.03	98.09	88.23	77.22	68.97	61.89	54.47	49.43
225.0	108.55	97.64	87.96	76.78	69.14	62.27	56.29	50.32	46.05
270.0	129.53	110.32	96.26	86.57	78.05	68.58	62.00	56.18	51.20
315.0	114.08	98.25	88.73	77.88	70.24	63.27	57.57	52.64	47.16
360.0	98.14	88.68	78.27	70.80	63.93	58.01	51.70	47.22	43.45

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	38.91	35.98	33.05	30.67	28.73	26.74	25.24	23.86	22.75
45.0	41.40	38.14	35.15	32.77	30.11	28.29	26.63	25.19	23.58
90.0	36.48	33.54	30.78	28.89	27.12	25.35	24.13	22.69	21.75
135.0	40.19	37.03	34.21	31.50	29.56	27.79	26.02	24.80	23.53
180.0	45.28	41.79	37.75	35.04	32.77	30.72	28.34	26.85	25.46
225.0	42.40	38.19	35.43	33.16	30.44	28.62	26.63	25.08	23.80
270.0	46.05	42.40	38.86	36.04	33.21	30.89	28.95	27.01	25.52
315.0	43.34	39.80	36.87	33.82	31.50	29.39	27.29	25.79	24.08
360.0	38.91	35.98	33.05	30.67	28.73	26.74	25.24	23.86	22.75
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.81	20.81	20.04	19.48	18.99	18.49	18.10	17.71	17.33
45.0	22.53	21.42	20.59	19.82	19.21	18.71	18.32	17.93	17.55
90.0	20.98	20.26	19.37	18.82	18.43	18.10	17.66	17.33	17.10
135.0	22.31	21.48	20.76	20.04	19.43	19.04	18.54	18.10	17.66
180.0	23.80	22.81	21.92	21.03	20.31	19.65	19.26	18.76	18.32
225.0	22.81	21.75	20.92	20.20	19.71	19.15	18.65	18.27	17.93
270.0	23.86	22.86	21.98	21.09	20.31	19.76	19.37	18.82	18.32
315.0	22.97	22.09	20.98	20.31	19.76	19.26	18.71	18.27	17.93
360.0	21.81	20.81	20.04	19.48	18.99	18.49	18.10	17.71	17.33
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.72	16.00	15.44	14.78	14.12	13.62	13.06	12.68	12.23
45.0	17.21	16.72	16.16	15.44	14.72	14.28	13.67	13.12	12.62
90.0	16.66	16.00	15.50	14.72	14.23	13.73	13.06	12.68	12.34
135.0	17.33	16.77	16.11	15.55	14.83	14.39	13.84	13.28	12.73
180.0	17.88	17.38	16.72	16.16	15.44	14.78	14.28	13.78	13.12
225.0	17.27	16.66	16.00	15.39	14.78	14.06	13.51	13.01	12.62
270.0	17.99	17.44	16.72	16.22	15.67	14.89	14.34	13.67	13.12
315.0	17.49	16.77	16.22	15.67	14.89	14.34	13.84	13.17	12.73
360.0	16.72	16.00	15.44	14.78	14.12	13.62	13.06	12.68	12.23
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.85	11.57	11.29	10.96	10.68	10.41	10.07	9.85	9.52
45.0	12.23	11.85	11.57	11.24	10.96	10.68	10.41	10.07	9.80
90.0	11.96	11.62	11.35	11.02	10.68	10.41	10.13	9.85	9.52
135.0	12.40	12.07	11.79	11.40	11.13	10.85	10.46	10.19	9.85
180.0	12.68	12.29	11.96	11.62	11.29	10.96	10.68	10.30	10.02
225.0	12.12	11.85	11.51	11.24	10.85	10.57	10.30	10.02	9.74
270.0	12.68	12.29	11.85	11.51	11.24	10.90	10.63	10.35	10.07
315.0	12.23	11.90	11.57	11.29	10.96	10.63	10.41	10.13	9.85
360.0	11.85	11.57	11.29	10.96	10.68	10.41	10.07	9.85	9.52
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.30	9.08	8.80	8.58	8.41	8.25	8.08	7.97	7.86
45.0	9.58	9.24	9.02	8.75	8.52	8.36	8.19	8.03	7.86
90.0	9.30	9.02	8.80	8.64	8.41	8.30	8.14	8.08	7.92
135.0	9.58	9.35	9.02	8.86	8.64	8.47	8.30	8.14	7.97
180.0	9.74	9.41	9.19	8.91	8.69	8.52	8.36	8.19	8.08
225.0	9.41	9.19	8.91	8.69	8.47	8.30	8.14	8.03	7.86
270.0	9.85	9.52	9.19	8.97	8.69	8.52	8.36	8.19	8.14
315.0	9.58	9.35	9.02	8.86	8.64	8.47	8.30	8.14	7.97
360.0	9.30	9.08	8.80	8.58	8.41	8.25	8.08	7.97	7.86

Intensity data(cd)

<i>C/γ(°)</i>	90.0
0.0	8.03
45.0	7.86
90.0	8.03
135.0	8.14
180.0	7.86
225.0	7.86
270.0	7.86
315.0	7.92
360.0	8.03