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NT

Client:

LumCAT: 2-2686-L

Luminaire: 92.70.411.00

Report No: 2024402-B018

Ballast type: AC

Test No: 2024402-C018

Voltage(V): 35.190

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2202.0

Power (W): 17.067

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1863.33, Efficiency(%): 84.62% , Luminous Efficacy(lm/W): 109.18

Central intensity(cd): 11321.530, Maximum intensity(cd): 11321.530

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

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

[C90/270]Total=16.6

Field angle(10%Imax): [C0/180]Total=42.0

[C90/270]Total=42.0

Maximum s/h(1/2): C0\_180=0.29 C90\_270=0.29

Maximum s/h(1/4): C0\_180=0.30 C90\_270=0.30

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.62%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.926%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/02  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11321.529	0.000	0	0.00%	0.00%
1.0	11220.797	10.786	10.786	0.49%	0.58%
2.0	10904.190	31.756	42.542	1.44%	2.28%
3.0	10444.203	51.058	93.6	2.32%	5.02%
4.0	9753.492	67.608	161.208	3.07%	8.65%
5.0	8947.710	80.452	241.66	3.65%	12.97%
6.0	7976.456	88.941	330.601	4.04%	17.74%
7.0	7014.200	93.047	423.648	4.23%	22.74%
8.0	5973.962	92.954	516.602	4.22%	27.72%
9.0	5060.280	89.427	606.028	4.06%	32.52%
10.0	4267.885	84.416	690.445	3.83%	37.05%
11.0	3590.926	78.526	768.97	3.57%	41.27%
12.0	3061.590	72.722	841.692	3.30%	45.17%
13.0	2637.594	67.635	909.327	3.07%	48.80%
14.0	2308.917	63.315	972.642	2.88%	52.20%
15.0	2045.347	59.777	1032.419	2.71%	55.41%
16.0	1818.426	56.615	1089.034	2.57%	58.45%
17.0	1652.514	54.052	1143.086	2.45%	61.35%
18.0	1483.304	51.703	1194.789	2.35%	64.12%
19.0	1346.990	49.241	1244.03	2.24%	66.76%
20.0	1219.075	46.966	1290.996	2.13%	69.28%
21.0	1133.822	45.180	1336.177	2.05%	71.71%
22.0	1039.718	43.678	1379.855	1.98%	74.05%
23.0	952.198	41.796	1421.651	1.90%	76.30%
24.0	885.387	40.176	1461.827	1.82%	78.45%
25.0	820.398	38.786	1500.613	1.76%	80.53%
26.0	760.851	37.326	1537.938	1.70%	82.54%
27.0	690.661	35.512	1573.45	1.61%	84.44%
28.0	611.070	32.957	1606.407	1.50%	86.21%
29.0	533.681	29.950	1636.357	1.36%	87.82%
30.0	450.631	26.576	1662.933	1.21%	89.25%
31.0	373.176	22.925	1685.858	1.04%	90.48%
32.0	300.974	19.314	1705.172	0.88%	91.51%
33.0	253.907	16.347	1721.519	0.74%	92.39%
34.0	184.456	13.266	1734.785	0.60%	93.10%
35.0	139.671	10.066	1744.851	0.46%	93.64%
36.0	102.590	7.714	1752.565	0.35%	94.06%
37.0	89.335	6.260	1758.824	0.28%	94.39%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.234	5.660	1764.484	0.26%	94.70%
39.0	71.990	5.196	1769.68	0.24%	94.97%
40.0	64.697	4.767	1774.447	0.22%	95.23%
41.0	58.288	4.379	1778.827	0.20%	95.46%
42.0	51.931	4.004	1782.831	0.18%	95.68%
43.0	46.913	3.661	1786.493	0.17%	95.88%
44.0	42.641	3.380	1789.873	0.15%	96.06%
45.0	38.764	3.128	1793.001	0.14%	96.23%
46.0	35.413	2.901	1795.902	0.13%	96.38%
47.0	32.795	2.713	1798.615	0.12%	96.53%
48.0	30.483	2.558	1801.173	0.12%	96.66%
49.0	28.281	2.413	1803.586	0.11%	96.79%
50.0	26.518	2.285	1805.871	0.10%	96.92%
51.0	24.953	2.178	1808.048	0.10%	97.03%
52.0	23.526	2.080	1810.129	0.09%	97.14%
53.0	22.348	1.996	1812.124	0.09%	97.25%
54.0	21.353	1.926	1814.05	0.09%	97.36%
55.0	20.505	1.868	1815.919	0.08%	97.46%
56.0	19.729	1.818	1817.737	0.08%	97.55%
57.0	19.130	1.777	1819.514	0.08%	97.65%
58.0	18.625	1.746	1821.26	0.08%	97.74%
59.0	18.215	1.722	1822.982	0.08%	97.83%
60.0	17.871	1.705	1824.687	0.08%	97.93%
61.0	17.586	1.692	1826.379	0.08%	98.02%
62.0	17.271	1.680	1828.058	0.08%	98.11%
63.0	16.876	1.661	1829.719	0.08%	98.20%
64.0	16.416	1.634	1831.353	0.07%	98.28%
65.0	15.838	1.596	1832.949	0.07%	98.37%
66.0	15.216	1.549	1834.498	0.07%	98.45%
67.0	14.579	1.498	1835.997	0.07%	98.53%
68.0	13.994	1.447	1837.444	0.07%	98.61%
69.0	13.548	1.405	1838.849	0.06%	98.69%
70.0	13.453	1.387	1840.236	0.06%	98.76%
71.0	13.197	1.377	1841.613	0.06%	98.83%
72.0	13.058	1.365	1842.978	0.06%	98.91%
73.0	13.138	1.370	1844.348	0.06%	98.98%
74.0	12.773	1.362	1845.71	0.06%	99.05%
75.0	12.831	1.353	1847.063	0.06%	99.13%

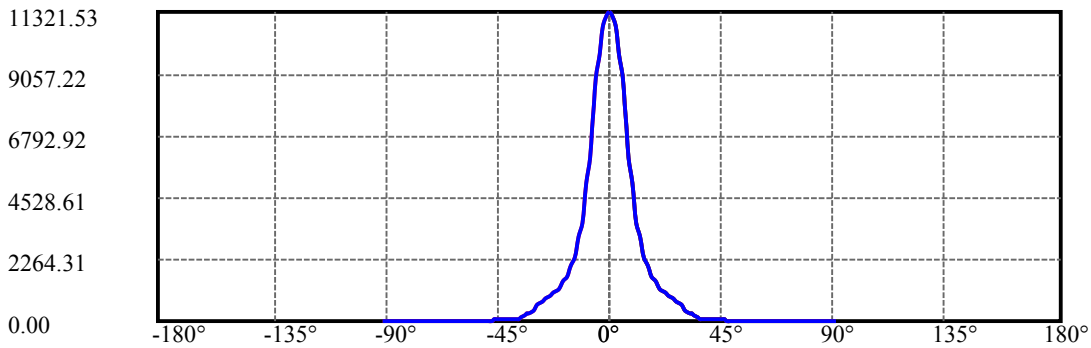
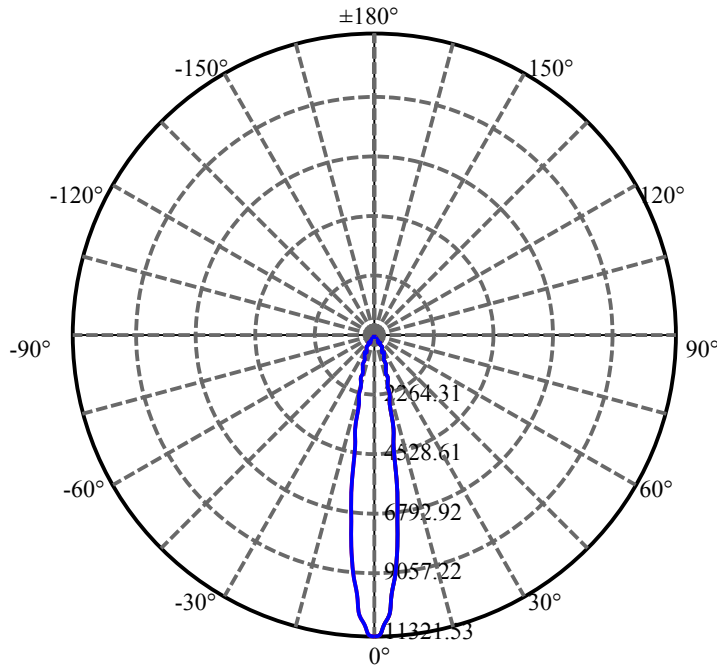
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.546	1.347	1848.41	0.06%	99.20%
77.0	12.370	1.328	1849.739	0.06%	99.27%
78.0	11.931	1.301	1851.04	0.06%	99.34%
79.0	11.536	1.261	1852.301	0.06%	99.41%
80.0	10.980	1.214	1853.514	0.06%	99.47%
81.0	10.388	1.156	1854.67	0.05%	99.54%
82.0	9.700	1.089	1855.759	0.05%	99.59%
83.0	9.276	1.032	1856.791	0.05%	99.65%
84.0	9.005	0.996	1857.787	0.05%	99.70%
85.0	8.786	0.971	1858.758	0.04%	99.75%
86.0	8.566	0.948	1859.706	0.04%	99.81%
87.0	8.376	0.927	1860.634	0.04%	99.86%
88.0	8.222	0.909	1861.543	0.04%	99.90%
89.0	8.157	0.898	1862.441	0.04%	99.95%
90.0	8.098	0.891	1863.332	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1662.93	75.52%	89.25%
0-40	1774.45	80.58%	95.23%
0-60	1824.69	82.86%	97.93%
0-90	1862.44	84.58%	99.95%
0-120	1862.44	84.58%	99.95%
0-180	1863.33	84.62%	100.00%
60-90	37.75	1.71%	2.03%
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	1490.67	67.70%	80.00%

ZONAL LUMEN SUMMARY

0-10	690.44
10-20	600.55
20-30	371.94
30-40	111.51
40-50	31.42
50-60	18.82
60-70	15.55
70-80	13.28
80-90	8.93
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



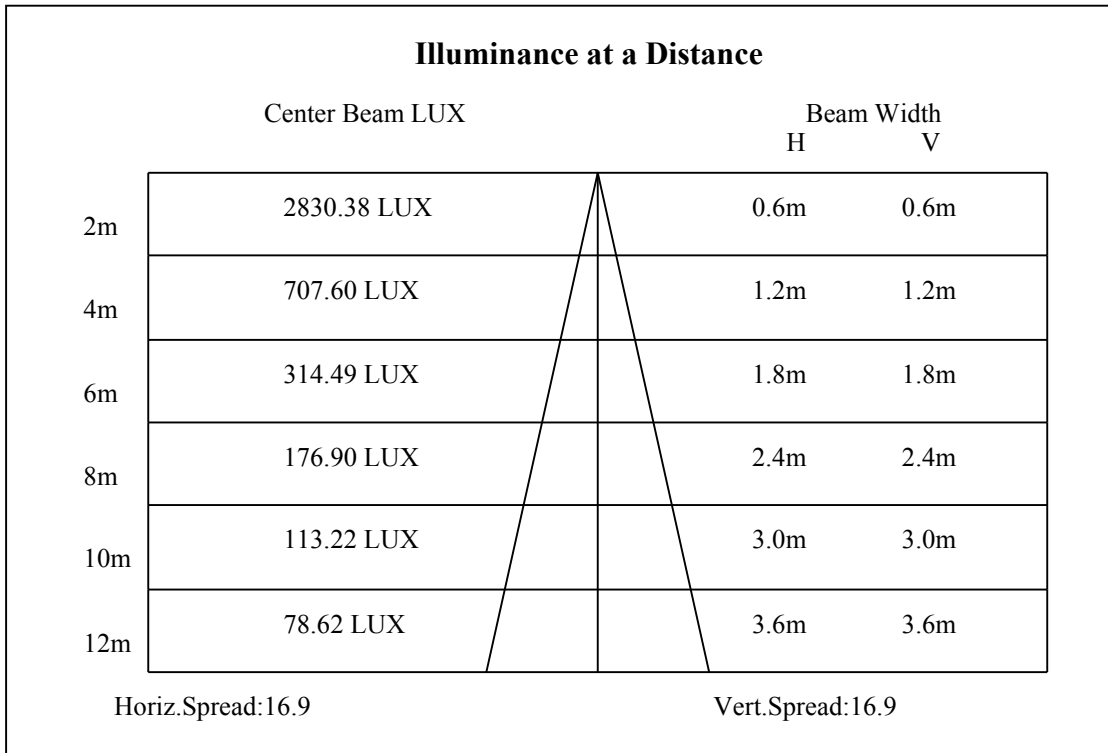
C0(Max): —————

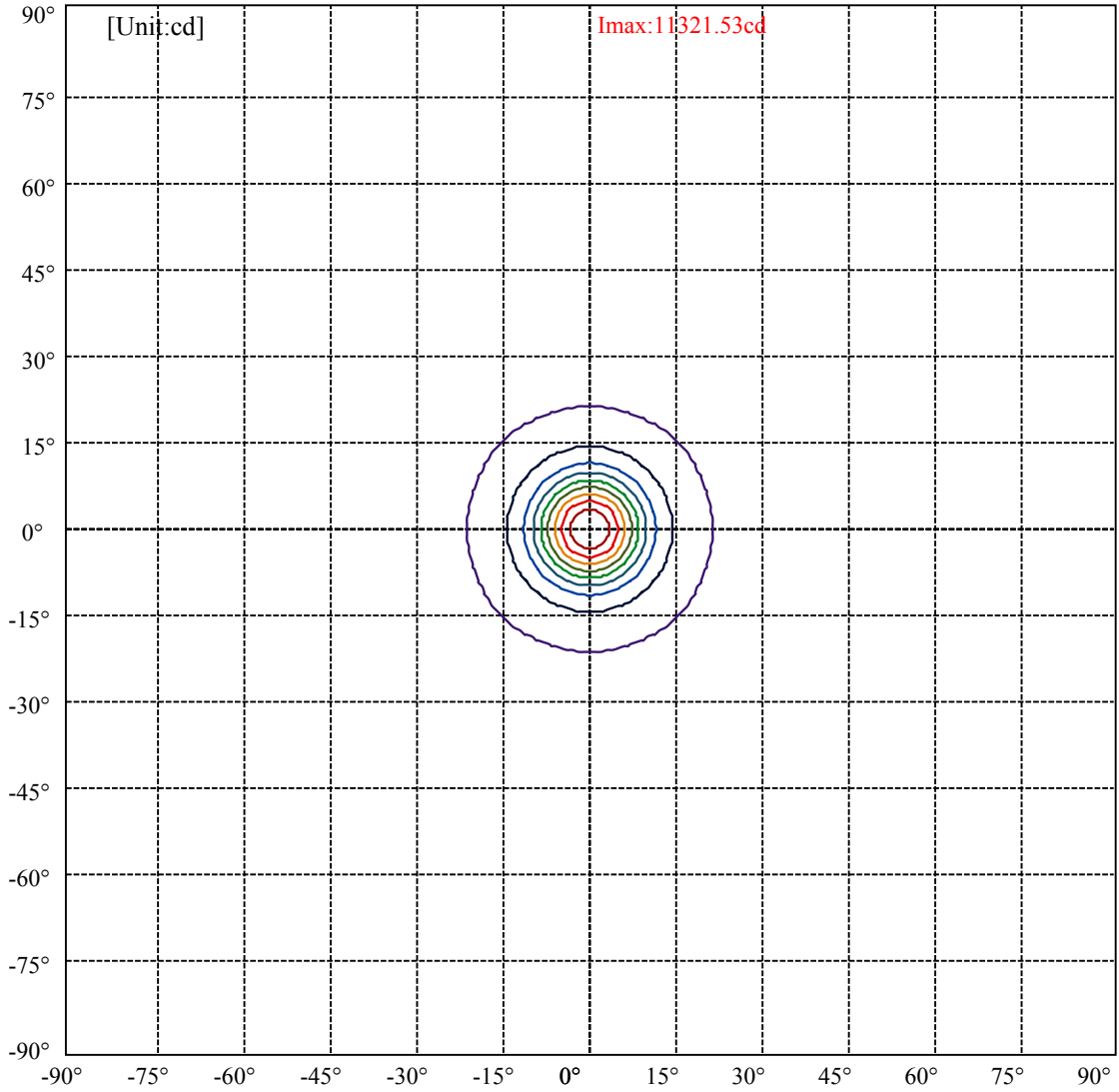
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:21.0 Right:21.0  
:C90/270Left:21.0 Right:21.0

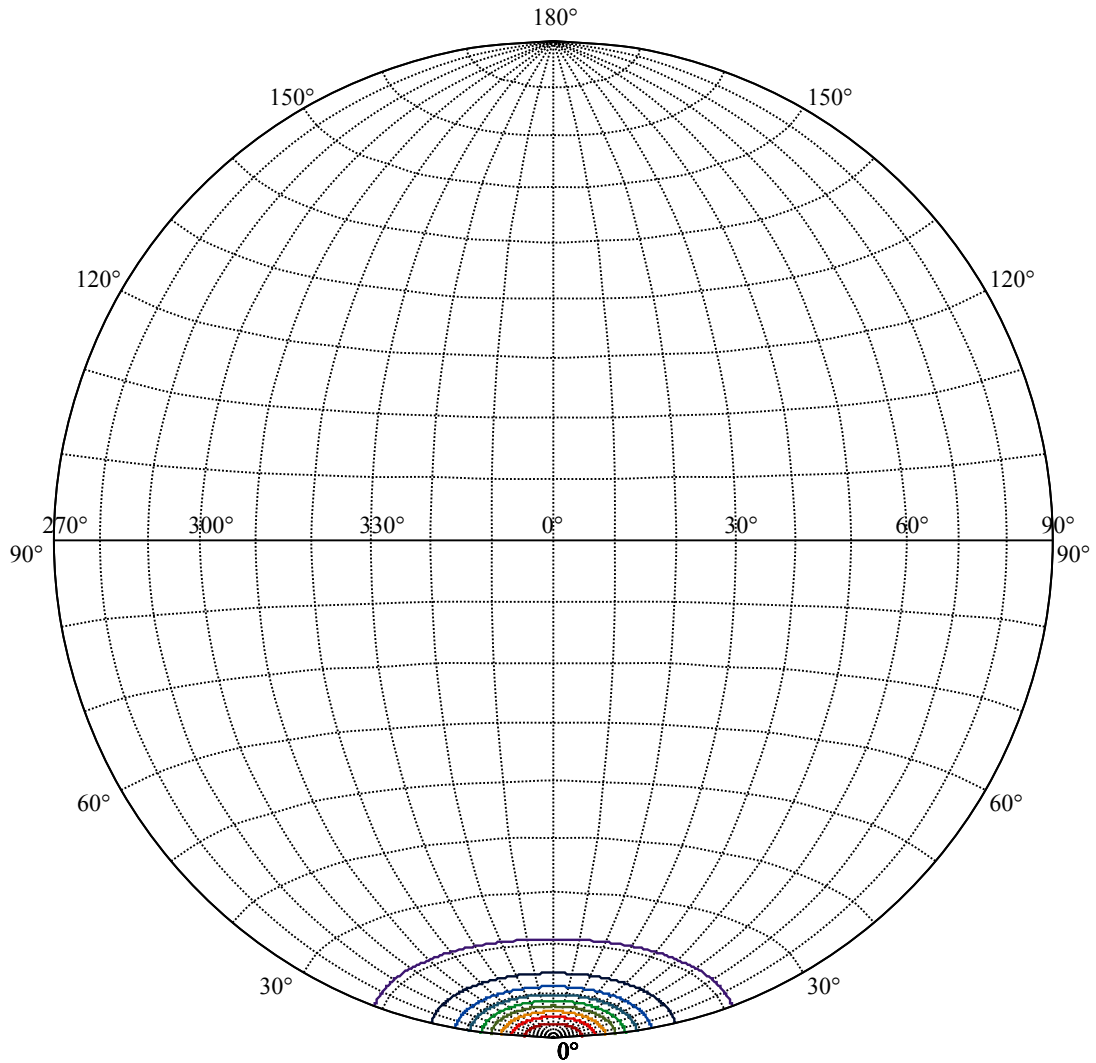
Beam Angle(50%Imax):C0/180Left:8.3 Right:8.3  
:C90/270Left:8.3 Right:8.3





(10%Imax) 1132.15	—
(20%Imax) 2264.31	—
(30%Imax) 3396.46	—
(40%Imax) 4528.61	—
(50%Imax) 5660.76	—
(60%Imax) 6792.92	—
(70%Imax) 7925.07	—
(80%Imax) 9057.22	—
(90%Imax) 10189.4	—





House

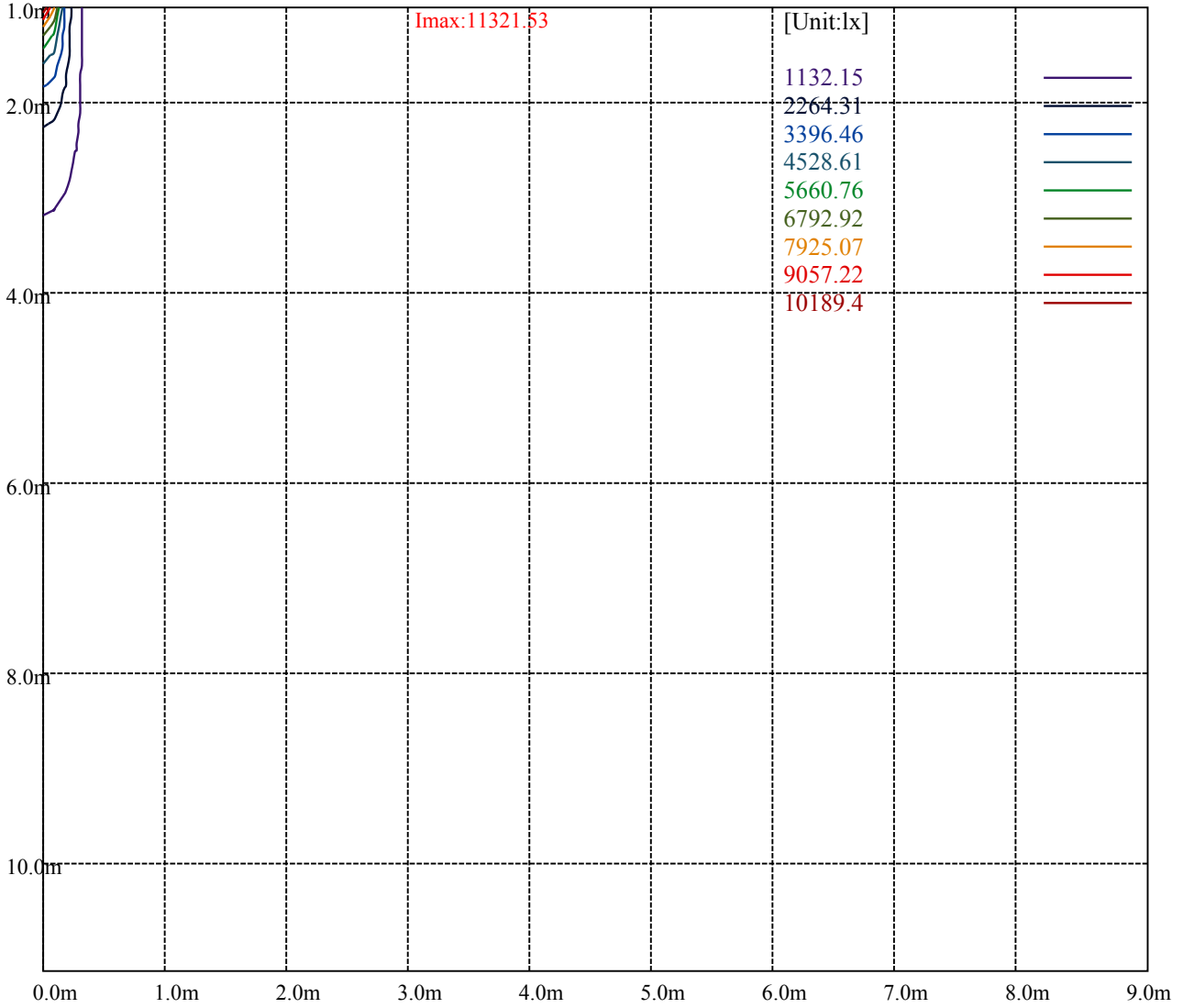
[Unit:cd]

Road

**Imax:11321.53**

(10%Imax)	1132.15	—
(20%Imax)	2264.31	—
(30%Imax)	3396.46	—
(40%Imax)	4528.61	—
(50%Imax)	5660.76	—
(60%Imax)	6792.92	—
(70%Imax)	7925.07	—
(80%Imax)	9057.22	—
(90%Imax)	10189.4	—





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

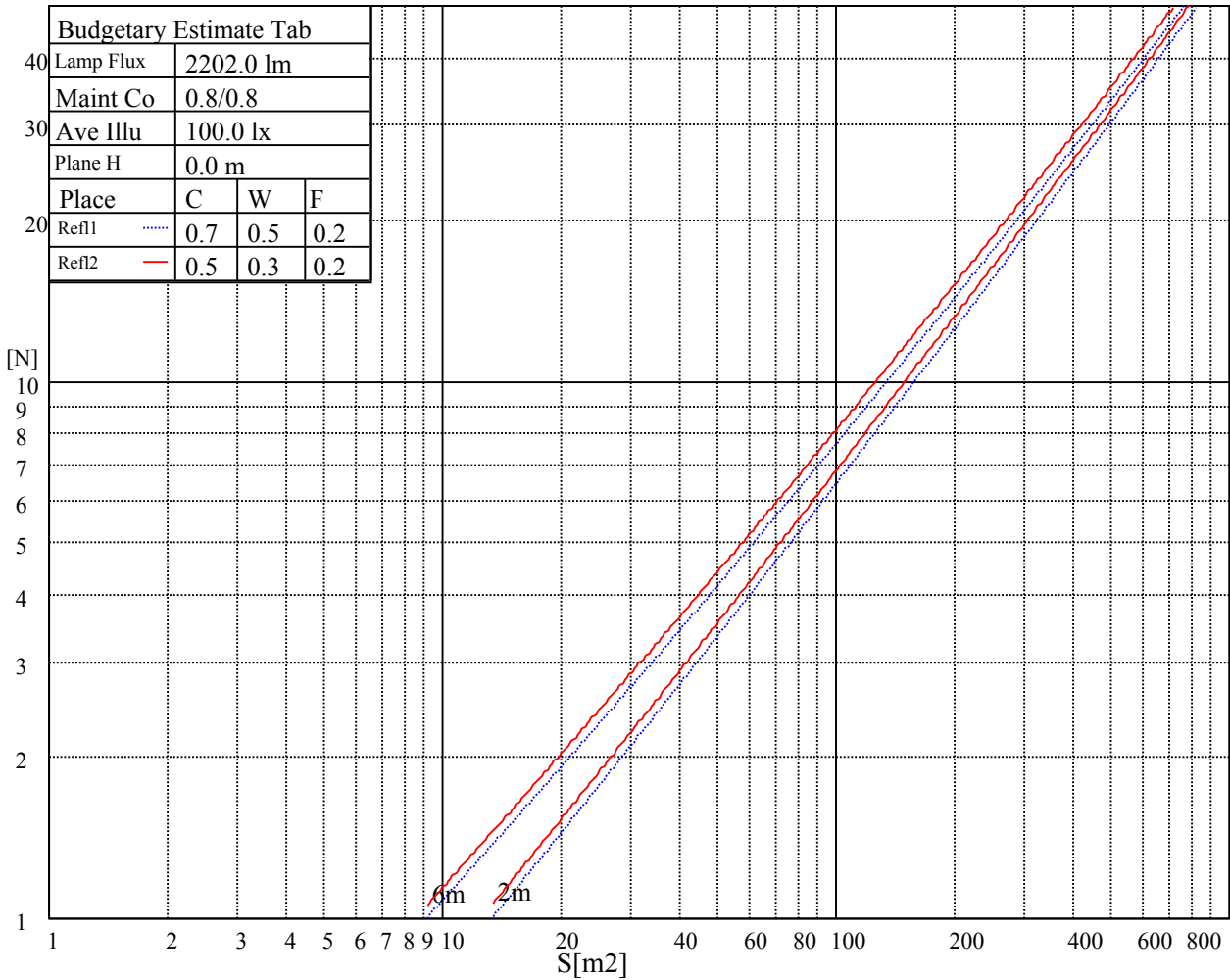
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

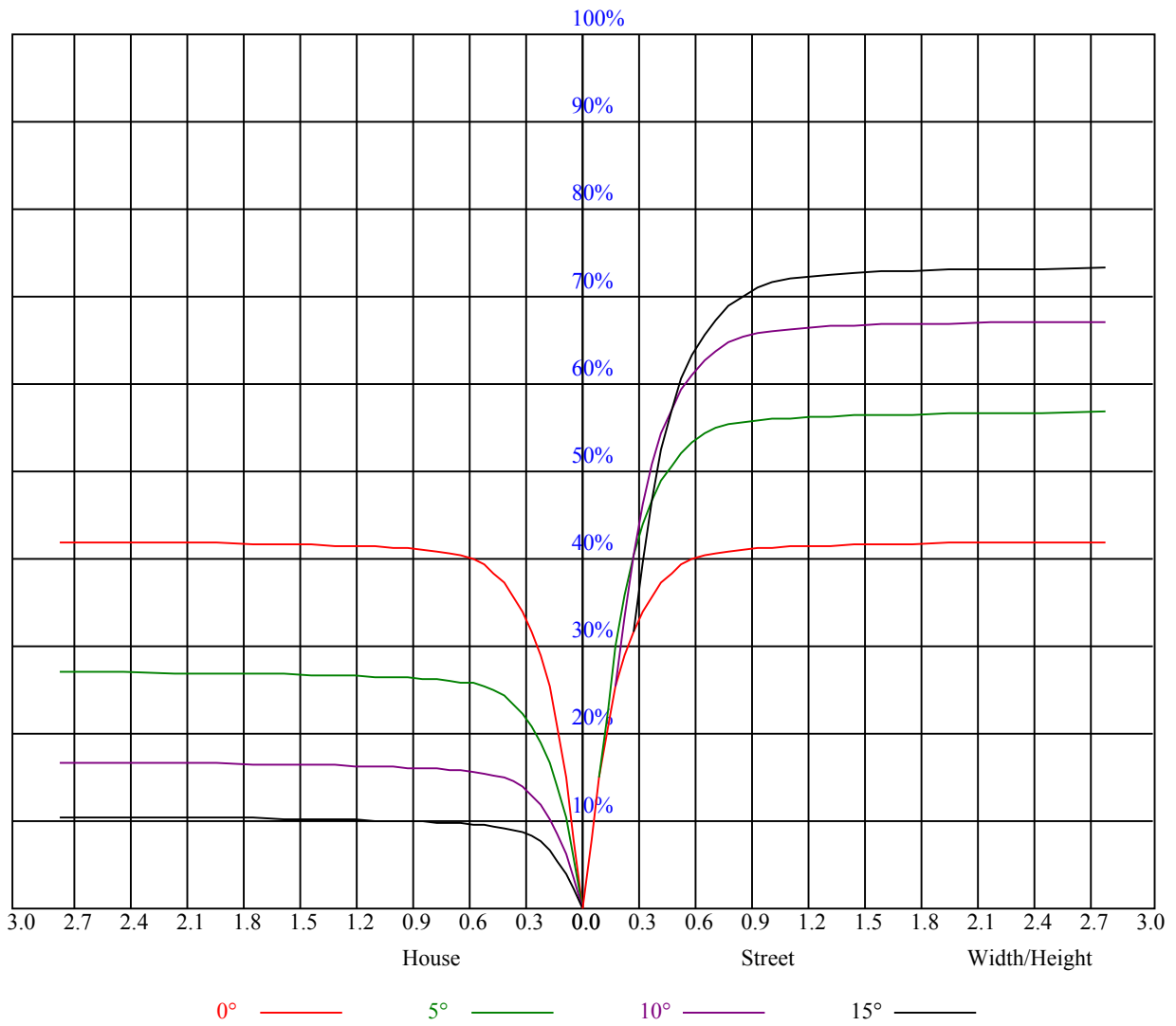


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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					

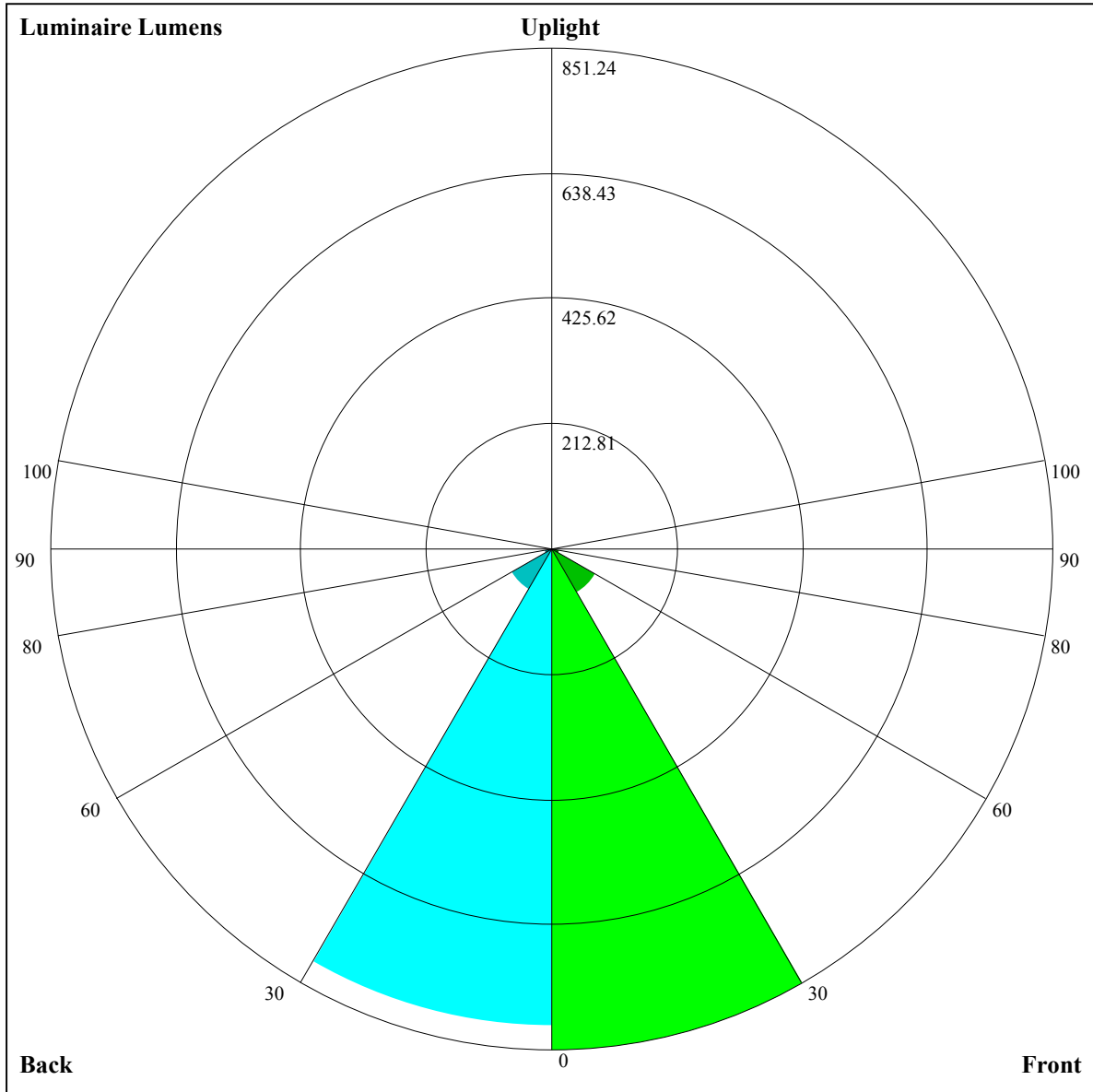
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.80	0.78	0.77	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.73	0.71
5	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.75	0.73	0.71	0.74	0.72	0.70	0.69
6	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.68	0.67
7	0.73	0.69	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
8	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.63
9	0.68	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
10	0.66	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59







Luminaire Lumens:

FL=851.24,FM=84.72,FH=14.66,FVH=4.95

BL=811.02,BM=79.6,BH=14.07,BVH=4.88

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	11373.91	11278.51	10957.81	10520.06	9734.69	8932.35	8059.78	7135.12	6196.42
45.0	11236.38	11401.41	11440.62	11238.72	10791.61	10235.06	9550.93	8733.37	7579.31
90.0	11390.88	11394.39	11125.19	10731.33	10164.83	9444.42	8367.61	7423.64	6243.82
135.0	11284.95	11351.67	11215.31	10912.16	10329.28	9634.62	8806.52	7884.79	6683.91
180.0	11373.91	11269.74	10929.72	10429.35	9799.65	8785.46	7851.44	6861.82	5684.93
225.0	11236.38	10784.00	10243.84	9531.62	8458.90	7492.11	6258.45	5326.78	4492.83
270.0	11390.88	11252.76	10840.77	10322.84	9639.30	8824.67	7888.89	6664.60	5727.66
315.0	11284.95	11033.89	10480.27	9867.54	9109.67	8233.00	7028.03	6083.47	5182.81
360.0	11373.91	11278.51	10957.81	10520.06	9734.69	8932.35	8059.78	7135.12	6196.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5106.15	4323.70	3677.03	3165.54	2672.20	2359.69	2051.27	1849.37	1681.41
45.0	6638.85	5728.24	4674.25	3963.20	3394.36	2841.91	2496.63	2156.03	1933.06
90.0	5327.95	4501.61	3655.96	3135.69	2726.04	2398.31	2079.95	1872.78	1702.48
135.0	5751.65	4891.37	4131.75	3385.00	2925.60	2555.74	2265.46	1971.68	1783.82
180.0	4812.36	4058.59	3439.43	2953.69	2485.51	2197.58	1985.14	1746.96	1597.14
225.0	3792.32	3119.31	2709.07	2391.29	2129.69	1871.61	1701.89	1555.00	1424.50
270.0	4671.91	3942.13	3360.42	2802.70	2456.83	2177.68	1919.60	1742.27	1586.60
315.0	4381.05	3578.12	3079.51	2695.60	2310.53	2068.83	1862.83	1653.32	1511.11
360.0	5106.15	4323.70	3677.03	3165.54	2672.20	2359.69	2051.27	1849.37	1681.41
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1505.84	1389.38	1152.89	1152.89	1052.88	966.56	899.72	834.47	783.38
45.0	1749.30	1597.14	1467.22	1326.76	1222.59	1118.42	1023.62	927.64	867.95
90.0	1559.68	1404.01	1159.04	1159.04	1082.55	974.05	907.63	852.03	790.70
135.0	1587.19	1461.95	1346.08	1218.50	1116.67	1019.52	922.96	862.68	817.03
180.0	1468.97	1319.74	1217.91	1114.91	994.36	922.37	865.61	803.57	743.29
225.0	1145.29	1145.29	1066.34	955.79	890.89	828.62	777.47	710.35	639.53
270.0	1459.61	1310.96	1195.67	1093.26	995.53	908.33	855.07	791.28	726.91
315.0	1390.55	1147.45	1147.45	1049.43	962.29	879.71	831.02	781.16	718.01
360.0	1505.84	1389.38	1152.89	1152.89	1052.88	966.56	899.72	834.47	783.38
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	720.94	651.12	557.60	480.70	403.45	308.00	236.72	175.45	120.09
45.0	818.20	748.56	678.33	588.21	510.96	434.88	340.07	303.21	303.21
90.0	724.10	634.03	563.10	489.07	412.12	318.77	245.79	183.41	133.90
135.0	757.34	667.80	594.06	517.40	442.49	347.10	310.23	310.23	152.63
180.0	675.41	600.50	522.08	423.76	344.76	307.30	307.30	138.99	105.87
225.0	546.07	472.10	395.14	320.76	235.79	176.85	133.37	109.96	96.85
270.0	654.93	562.46	484.62	407.38	332.47	296.77	296.77	134.13	108.62
315.0	628.30	551.98	474.50	377.76	303.38	218.11	161.00	120.26	96.21
360.0	720.94	651.12	557.60	480.70	403.45	308.00	236.72	175.45	120.09
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.61	88.60	77.78	70.40	63.56	57.41	50.74	46.06	41.96
45.0	142.68	104.52	93.11	83.98	75.73	68.71	60.45	54.72	48.34
90.0	103.70	94.05	85.27	75.49	68.71	62.27	55.19	50.21	45.88
135.0	111.25	98.08	87.20	79.06	72.04	63.85	58.17	52.90	48.28
180.0	95.10	86.96	79.06	70.46	63.79	57.64	50.91	46.23	42.19
225.0	87.84	77.72	70.11	63.09	55.25	49.80	44.95	39.91	36.58
270.0	94.46	85.79	77.72	70.29	61.62	55.30	48.57	43.95	40.03
315.0	87.08	78.95	71.63	63.15	56.88	51.32	46.47	41.32	37.86
360.0	98.61	88.60	77.78	70.40	63.56	57.41	50.74	46.06	41.96

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	38.57	34.76	32.25	30.08	27.80	26.10	24.35	23.17	22.18
45.0	44.01	39.50	36.34	33.59	31.19	28.56	26.80	25.22	23.82
90.0	41.20	37.98	35.23	32.19	30.14	28.27	26.63	24.81	23.53
135.0	43.31	39.91	36.93	34.29	31.43	29.38	27.56	25.63	24.35
180.0	38.62	34.88	32.36	30.26	27.92	26.34	24.87	23.35	22.24
225.0	33.65	31.19	28.56	26.69	25.11	23.70	22.18	21.19	20.01
270.0	35.82	33.18	30.78	28.68	26.51	24.99	23.64	22.47	21.19
315.0	34.94	31.89	29.90	28.09	26.16	24.81	23.58	22.36	21.48
360.0	38.57	34.76	32.25	30.08	27.80	26.10	24.35	23.17	22.18
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.30	20.42	19.78	19.20	18.79	18.32	18.02	17.79	17.50
45.0	22.36	21.42	20.54	19.84	19.08	18.61	18.20	17.85	17.62
90.0	22.41	21.48	20.48	19.84	19.14	18.67	18.32	17.97	17.62
135.0	23.06	22.12	21.30	20.42	19.84	19.37	18.90	18.49	18.14
180.0	21.30	20.31	19.61	19.02	18.49	18.02	17.67	17.44	17.15
225.0	19.31	18.67	18.02	17.62	17.38	17.09	16.80	16.56	16.15
270.0	20.37	19.61	18.79	18.26	17.85	17.50	17.21	16.97	16.68
315.0	20.72	20.01	19.31	18.84	18.43	18.14	17.85	17.62	17.32
360.0	21.30	20.42	19.78	19.20	18.79	18.32	18.02	17.79	17.50
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.09	16.62	16.04	15.51	14.69	14.16	14.28	15.51	15.22
45.0	17.32	16.97	16.56	15.98	15.45	14.81	14.16	13.52	12.99
90.0	17.26	16.80	16.09	15.57	14.86	14.22	13.58	13.17	12.82
135.0	17.79	17.44	16.91	16.21	15.63	14.86	14.28	13.87	13.81
180.0	16.68	16.21	15.57	14.92	14.34	13.69	13.28	13.46	13.11
225.0	15.74	15.10	14.46	13.93	13.23	12.76	12.35	11.94	11.70
270.0	16.33	15.86	15.27	14.63	14.05	13.52	12.93	12.58	12.23
315.0	16.80	16.33	15.80	14.98	14.40	13.93	13.52	13.58	13.69
360.0	17.09	16.62	16.04	15.51	14.69	14.16	14.28	15.51	15.22
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.81	16.09	14.40	15.16	13.93	13.93	12.99	12.70	12.17
45.0	12.64	12.29	11.94	11.59	11.35	11.06	10.77	10.59	10.24
90.0	12.70	12.93	12.93	12.64	12.93	12.52	12.11	11.53	10.83
135.0	14.05	14.10	14.22	14.46	14.05	14.05	13.23	13.05	12.47
180.0	12.87	12.41	11.94	11.59	11.06	10.71	10.48	10.12	9.89
225.0	11.35	11.06	10.83	10.65	10.42	10.12	9.89	9.66	9.48
270.0	12.00	11.70	11.65	11.94	12.06	12.06	11.76	11.06	10.48
315.0	14.05	14.51	14.28	14.63	14.57	14.51	14.22	13.58	12.29
360.0	14.81	16.09	14.40	15.16	13.93	13.93	12.99	12.70	12.17
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.12	9.95	9.31	9.07	8.84	8.66	8.37	8.19	8.13
45.0	10.01	9.77	9.54	9.31	9.07	8.84	8.60	8.37	8.25
90.0	10.18	9.66	9.42	9.07	8.84	8.66	8.49	8.31	8.31
135.0	12.06	11.06	9.83	9.31	9.01	8.72	8.54	8.37	8.25
180.0	9.60	9.25	9.01	8.84	8.54	8.37	8.19	8.13	7.96
225.0	9.25	9.01	8.84	8.66	8.43	8.25	8.25	8.02	8.13
270.0	9.71	9.36	9.07	8.84	8.78	8.54	8.31	8.25	8.08
315.0	11.18	9.54	9.19	8.95	8.78	8.49	8.25	8.13	8.13
360.0	11.12	9.95	9.31	9.07	8.84	8.66	8.37	8.19	8.13

Intensity data(cd)

<i>C/γ(°)</i>	<b>90.0</b>
<b>0.0</b>	<b>8.02</b>
<b>45.0</b>	<b>8.19</b>
<b>90.0</b>	<b>8.08</b>
<b>135.0</b>	<b>8.08</b>
<b>180.0</b>	<b>8.02</b>
<b>225.0</b>	<b>8.08</b>
<b>270.0</b>	<b>8.13</b>
<b>315.0</b>	<b>8.19</b>
<b>360.0</b>	<b>8.02</b>