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NT

Client:

LumCAT: 3-2833-L

Luminaire: 92.70.412.00

Report No: 2024302-B011

Ballast type: AC

Test No: 2024302-C011

Voltage(V): 34.100

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.073

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2204.95, Efficiency(%): 85.63% , Luminous Efficacy(lm/W): 122.00

Central intensity(cd): 7601.985, Maximum intensity(cd): 7601.985

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

Beam Angle(50%Imax): [C0/180]Total=24.2

[C90/270]Total=24.2

Field angle(10%Imax): [C0/180]Total=59.4

[C90/270]Total=59.4

Maximum s/h(1/2): C0\_180=0.41 C90\_270=0.41

Maximum s/h(1/4): C0\_180=0.45 C90\_270=0.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.63%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.979%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/02  
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	7601.985	0.000	0	0.00%	0.00%
1.0	7578.283	7.263	7.263	0.28%	0.33%
2.0	7476.015	21.607	28.871	0.84%	1.31%
3.0	7324.003	35.397	64.268	1.37%	2.91%
4.0	7083.915	48.228	112.496	1.87%	5.10%
5.0	6771.697	59.606	172.102	2.31%	7.81%
6.0	6394.739	69.193	241.295	2.69%	10.94%
7.0	5952.821	76.641	317.936	2.98%	14.42%
8.0	5528.533	82.170	400.106	3.19%	18.15%
9.0	5079.007	85.968	486.074	3.34%	22.04%
10.0	4676.884	88.287	574.361	3.43%	26.05%
11.0	4234.015	89.038	663.399	3.46%	30.09%
12.0	3849.157	88.361	751.76	3.43%	34.09%
13.0	3485.439	87.043	838.803	3.38%	38.04%
14.0	3172.051	85.215	924.019	3.31%	41.91%
15.0	2866.052	82.894	1006.912	3.22%	45.67%
16.0	2587.046	79.903	1086.815	3.10%	49.29%
17.0	2364.660	77.111	1163.927	2.99%	52.79%
18.0	2147.615	74.398	1238.324	2.89%	56.16%
19.0	1962.830	71.513	1309.838	2.78%	59.40%
20.0	1789.311	68.675	1378.512	2.67%	62.52%
21.0	1629.032	65.639	1444.152	2.55%	65.50%
22.0	1461.548	62.107	1506.258	2.41%	68.31%
23.0	1336.764	58.716	1564.974	2.28%	70.98%
24.0	1222.842	55.962	1620.936	2.17%	73.51%
25.0	1131.737	53.538	1674.474	2.08%	75.94%
26.0	1039.030	51.241	1725.716	1.99%	78.27%
27.0	955.182	48.789	1774.504	1.89%	80.48%
28.0	886.053	46.616	1821.121	1.81%	82.59%
29.0	813.382	44.462	1865.583	1.73%	84.61%
30.0	733.806	41.774	1907.356	1.62%	86.50%
31.0	640.829	38.254	1945.611	1.49%	88.24%
32.0	542.606	33.904	1979.515	1.32%	89.78%
33.0	442.145	29.011	2008.526	1.13%	91.09%
34.0	347.214	23.888	2032.414	0.93%	92.18%
35.0	271.149	19.204	2051.618	0.75%	93.05%
36.0	202.327	15.076	2066.694	0.59%	93.73%
37.0	153.585	11.608	2078.301	0.45%	94.26%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	100.834	8.492	2086.794	0.33%	94.64%
39.0	77.989	6.104	2092.897	0.24%	94.92%
40.0	69.261	5.136	2098.033	0.20%	95.15%
41.0	63.680	4.734	2102.767	0.18%	95.37%
42.0	58.384	4.435	2107.202	0.17%	95.57%
43.0	54.024	4.164	2111.366	0.16%	95.76%
44.0	49.634	3.912	2115.278	0.15%	95.93%
45.0	46.006	3.676	2118.953	0.14%	96.10%
46.0	42.699	3.469	2122.423	0.13%	96.26%
47.0	39.971	3.288	2125.711	0.13%	96.41%
48.0	37.557	3.134	2128.845	0.12%	96.55%
49.0	35.267	2.991	2131.835	0.12%	96.68%
50.0	33.563	2.870	2134.705	0.11%	96.81%
51.0	31.983	2.773	2137.478	0.11%	96.94%
52.0	30.768	2.693	2140.171	0.10%	97.06%
53.0	29.810	2.635	2142.806	0.10%	97.18%
54.0	29.020	2.593	2145.399	0.10%	97.30%
55.0	28.369	2.562	2147.961	0.10%	97.42%
56.0	27.871	2.541	2150.502	0.10%	97.53%
57.0	27.308	2.523	2153.025	0.10%	97.65%
58.0	26.716	2.498	2155.523	0.10%	97.76%
59.0	25.852	2.458	2157.981	0.10%	97.87%
60.0	24.879	2.397	2160.377	0.09%	97.98%
61.0	23.775	2.322	2162.699	0.09%	98.08%
62.0	22.612	2.235	2164.934	0.09%	98.19%
63.0	21.463	2.144	2167.078	0.08%	98.28%
64.0	20.366	2.053	2169.131	0.08%	98.38%
65.0	19.232	1.960	2171.09	0.08%	98.46%
66.0	18.179	1.867	2172.957	0.07%	98.55%
67.0	17.301	1.784	2174.741	0.07%	98.63%
68.0	16.394	1.707	2176.448	0.07%	98.71%
69.0	15.721	1.638	2178.086	0.06%	98.78%
70.0	15.099	1.583	2179.669	0.06%	98.85%
71.0	14.601	1.535	2181.204	0.06%	98.92%
72.0	14.170	1.496	2182.7	0.06%	98.99%
73.0	13.775	1.461	2184.161	0.06%	99.06%
74.0	13.438	1.431	2185.592	0.06%	99.12%
75.0	13.087	1.401	2186.993	0.05%	99.19%

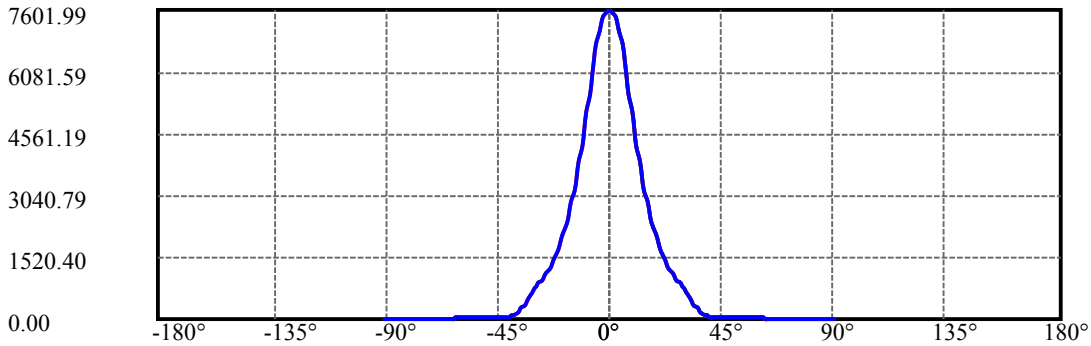
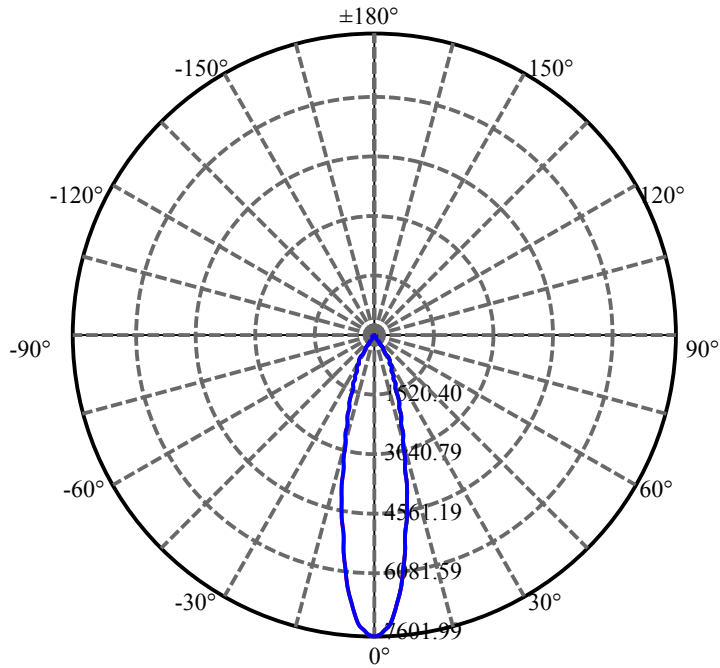
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.787	1.374	2188.367	0.05%	99.25%
77.0	12.473	1.347	2189.714	0.05%	99.31%
78.0	12.195	1.320	2191.034	0.05%	99.37%
79.0	11.895	1.294	2192.328	0.05%	99.43%
80.0	11.609	1.267	2193.595	0.05%	99.49%
81.0	11.309	1.239	2194.835	0.05%	99.54%
82.0	11.061	1.213	2196.048	0.05%	99.60%
83.0	10.761	1.186	2197.234	0.05%	99.65%
84.0	10.556	1.161	2198.396	0.05%	99.70%
85.0	10.307	1.139	2199.534	0.04%	99.75%
86.0	10.102	1.116	2200.65	0.04%	99.81%
87.0	9.963	1.098	2201.748	0.04%	99.85%
88.0	9.744	1.080	2202.828	0.04%	99.90%
89.0	9.656	1.063	2203.891	0.04%	99.95%
90.0	9.590	1.055	2204.946	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1907.36	74.07%	86.50%
0-40	2098.03	81.48%	95.15%
0-60	2160.38	83.90%	97.98%
0-90	2203.89	85.59%	99.95%
0-120	2203.89	85.59%	99.95%
0-180	2204.95	85.63%	100.00%
60-90	43.51	1.69%	1.97%
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%
0-26.78	1763.96	68.50%	80.00%

ZONAL LUMEN SUMMARY

0-10	574.36
10-20	804.15
20-30	528.84
30-40	190.68
40-50	36.67
50-60	25.67
60-70	19.29
70-80	13.93
80-90	10.30
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: —————

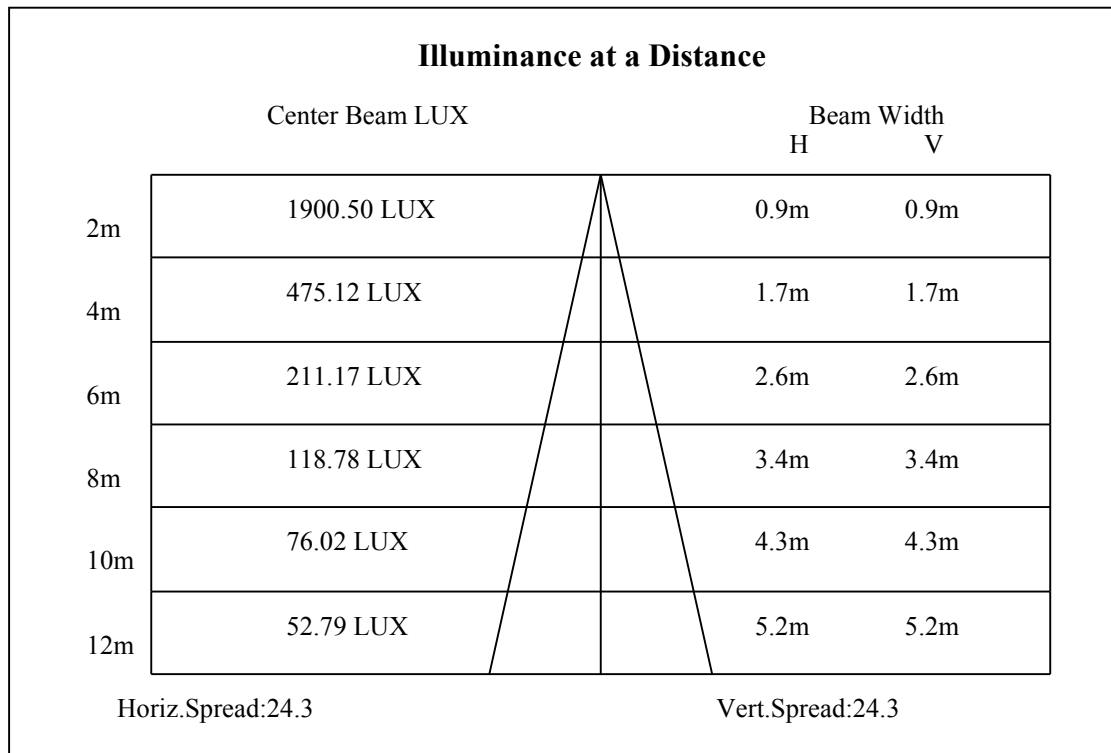
C90/C270: —————

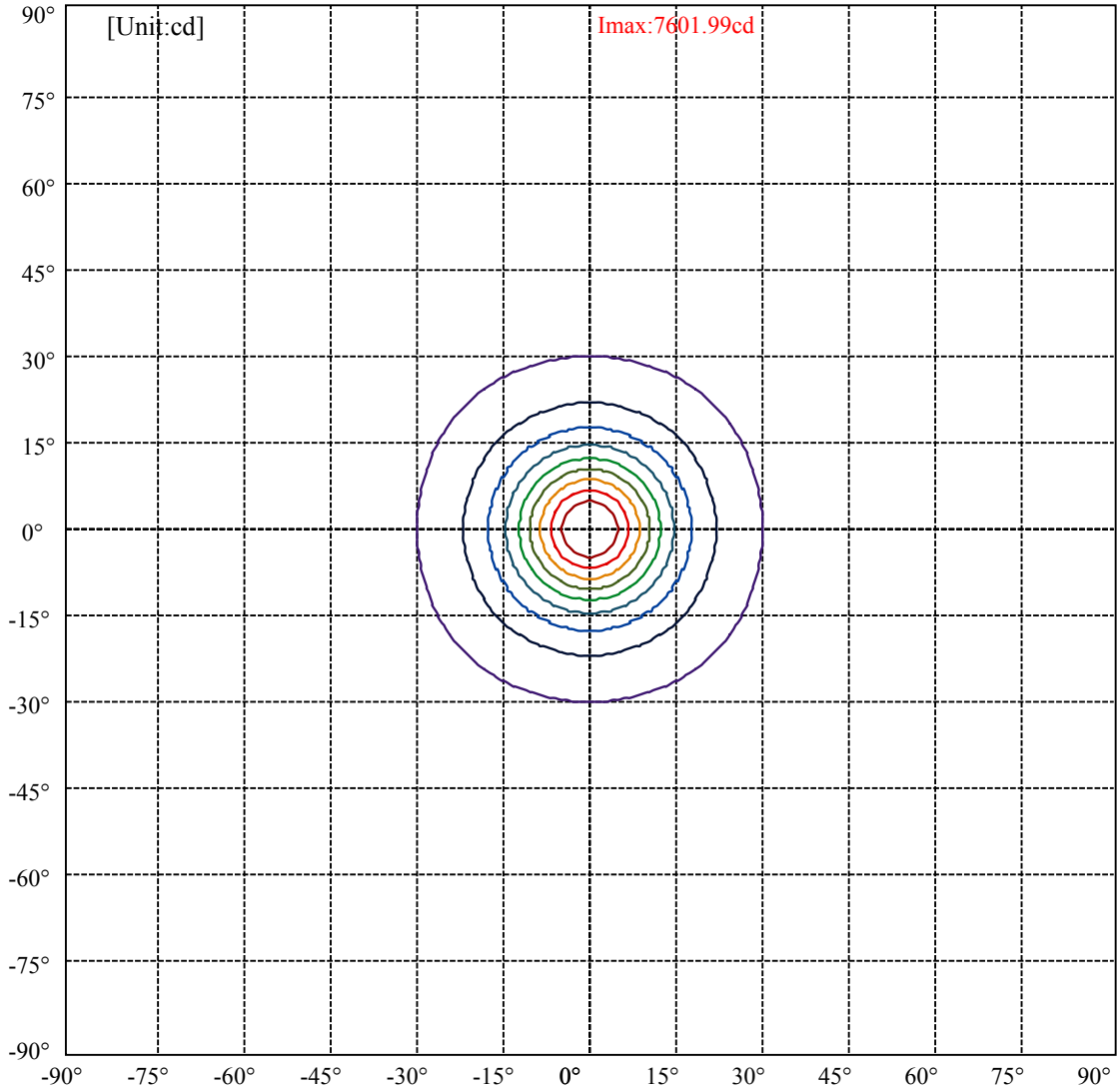
Field angle(10%Imax):C0/180Left:29.7 Right:29.7

:C90/270Left:29.7 Right:29.7

Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1

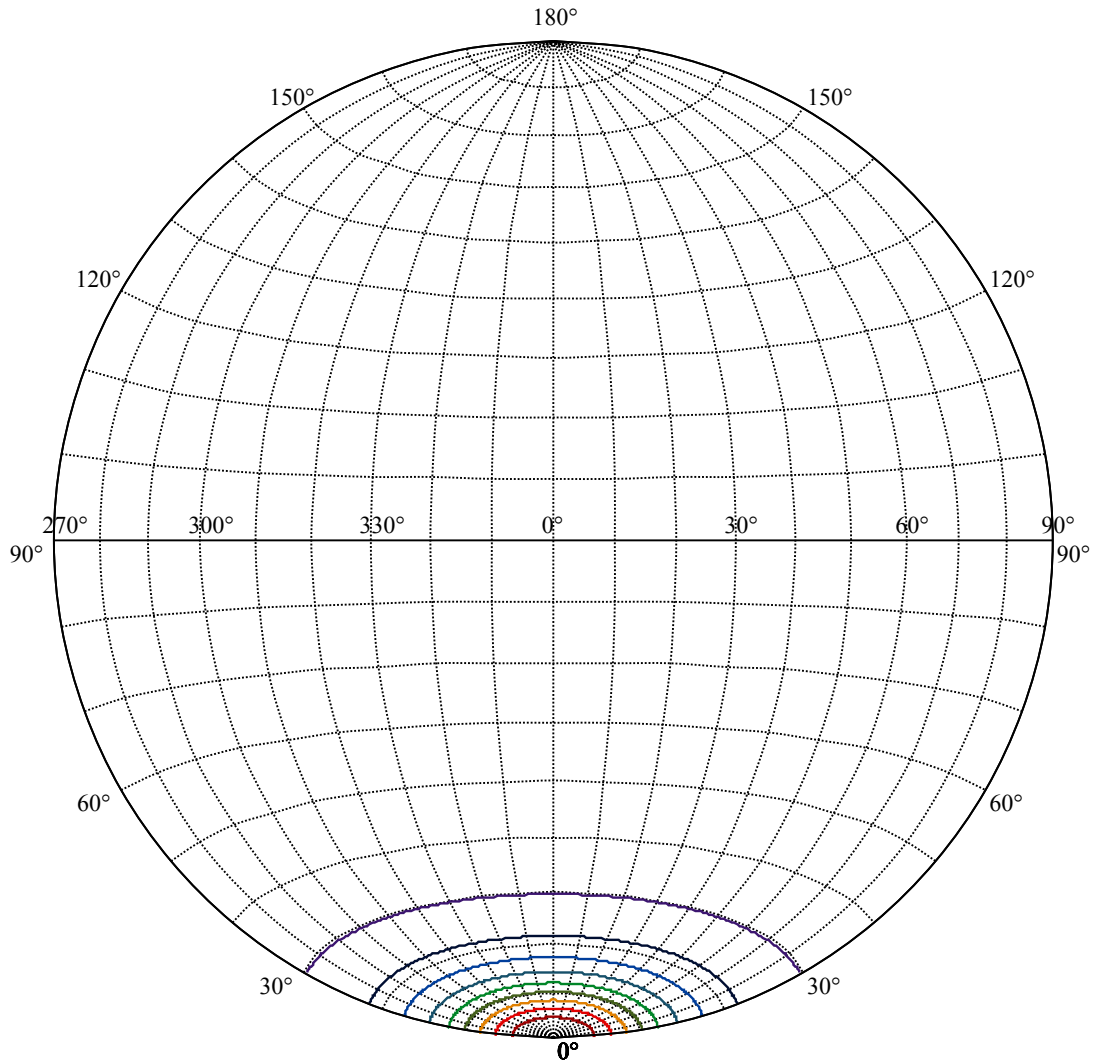
:C90/270Left:12.1 Right:12.1





(10%Imax) 760.199	—
(20%Imax) 1520.4	—
(30%Imax) 2280.6	—
(40%Imax) 3040.79	—
(50%Imax) 3800.99	—
(60%Imax) 4561.19	—
(70%Imax) 5321.39	—
(80%Imax) 6081.59	—
(90%Imax) 6841.79	—





House

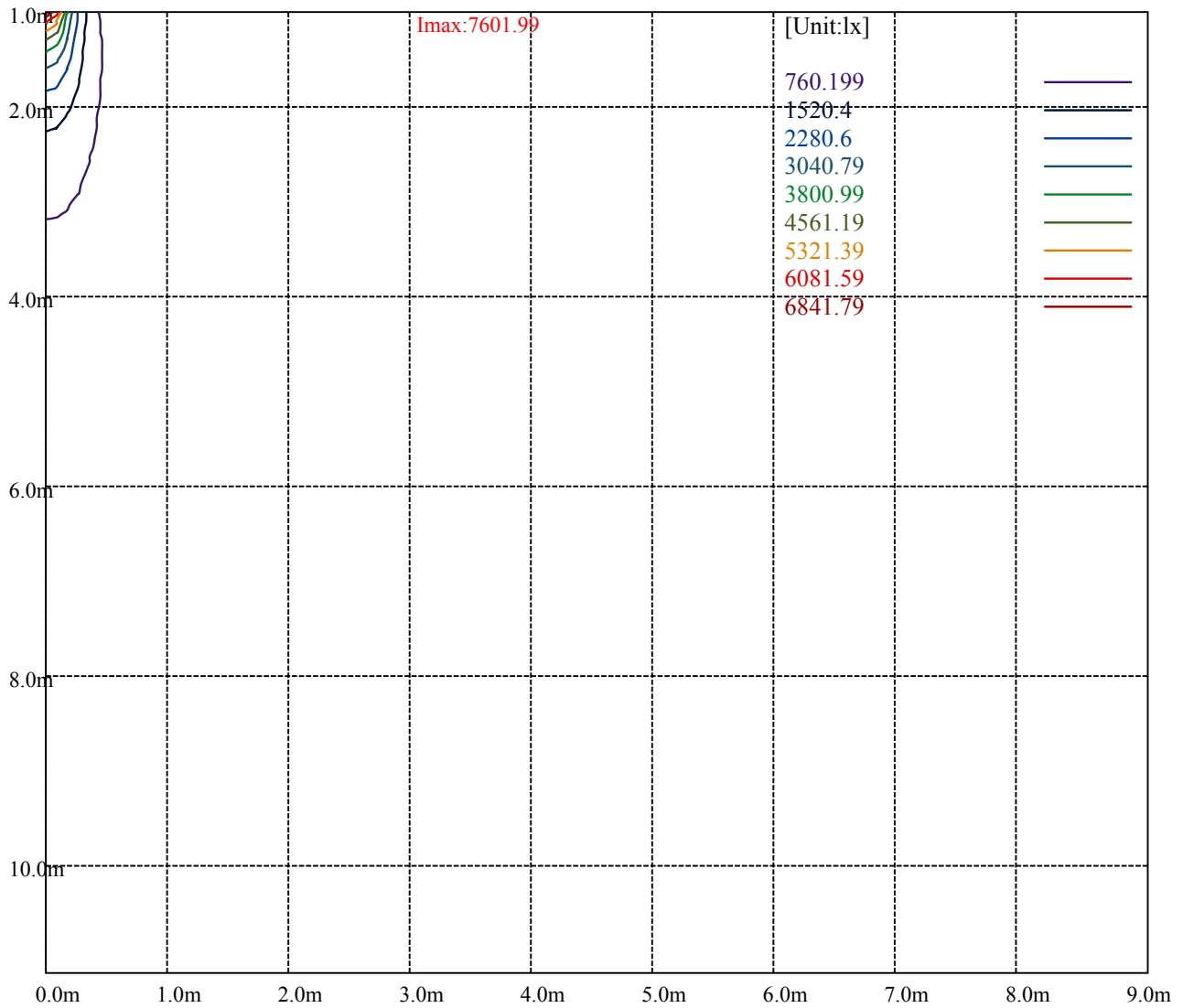
[Unit:cd]

Road

**Imax:7601.99**

(10%Imax) 760.199	—
(20%Imax) 1520.4	—
(30%Imax) 2280.6	—
(40%Imax) 3040.79	—
(50%Imax) 3800.99	—
(60%Imax) 4561.19	—
(70%Imax) 5321.39	—
(80%Imax) 6081.59	—
(90%Imax) 6841.79	—





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

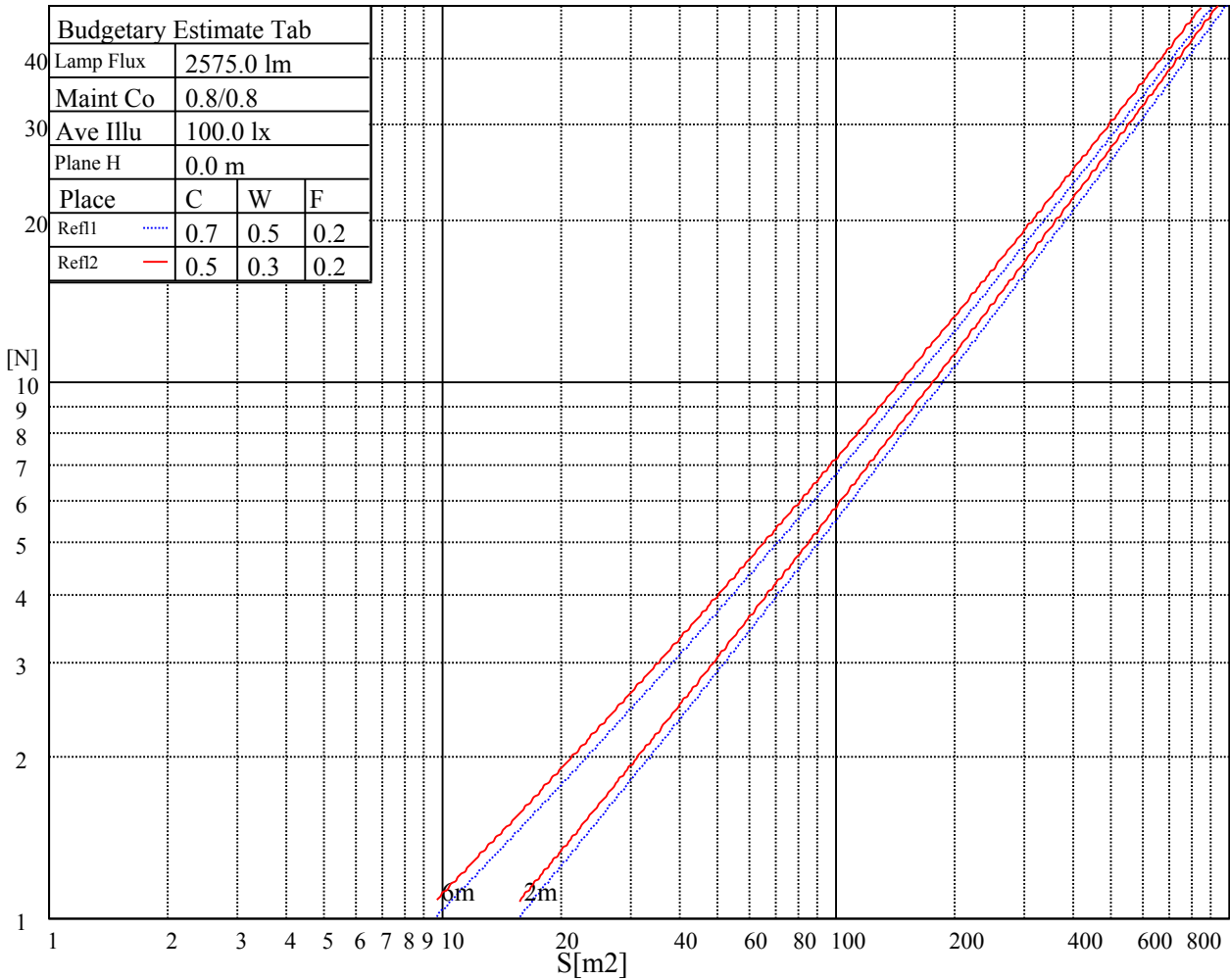
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

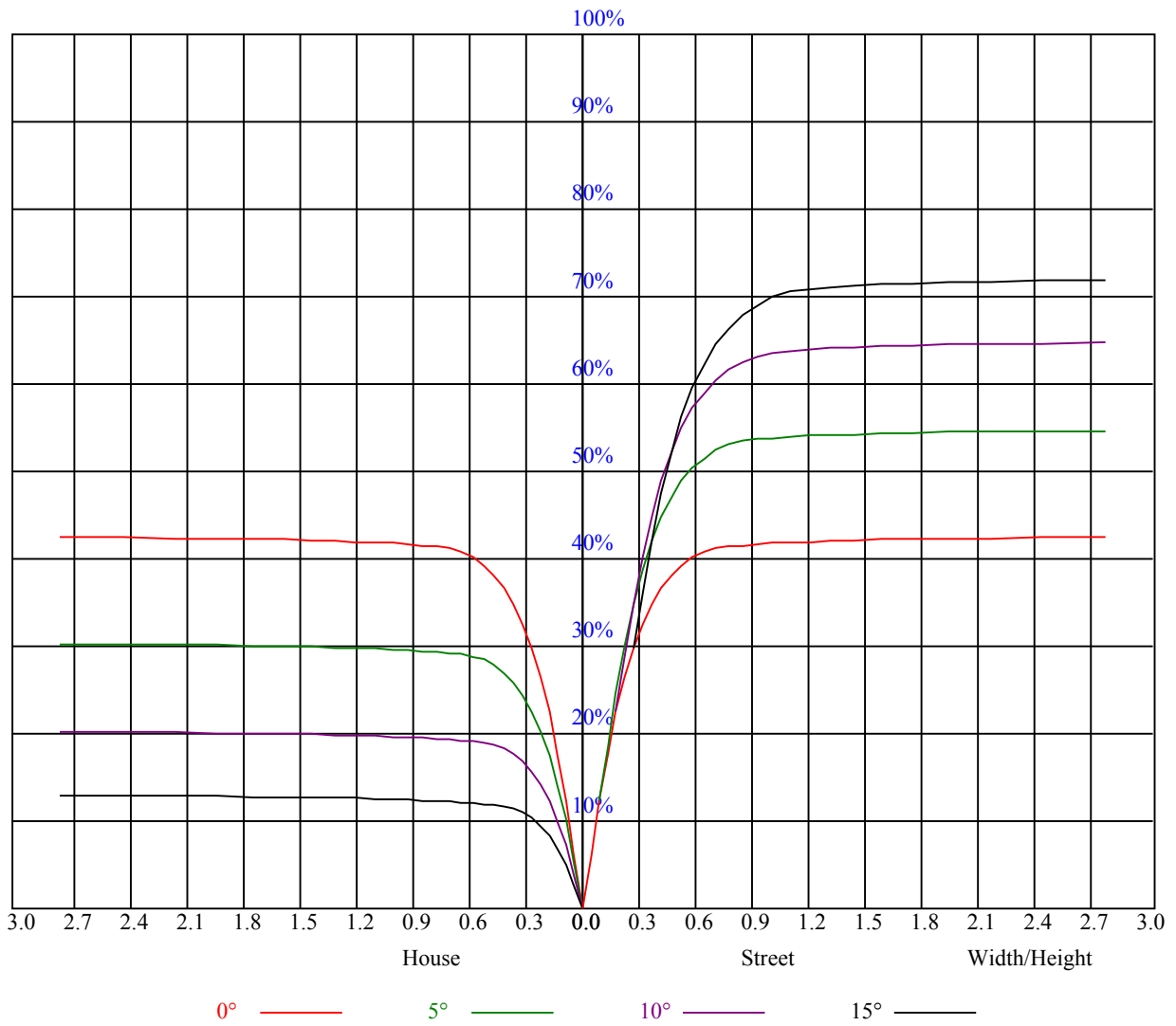


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

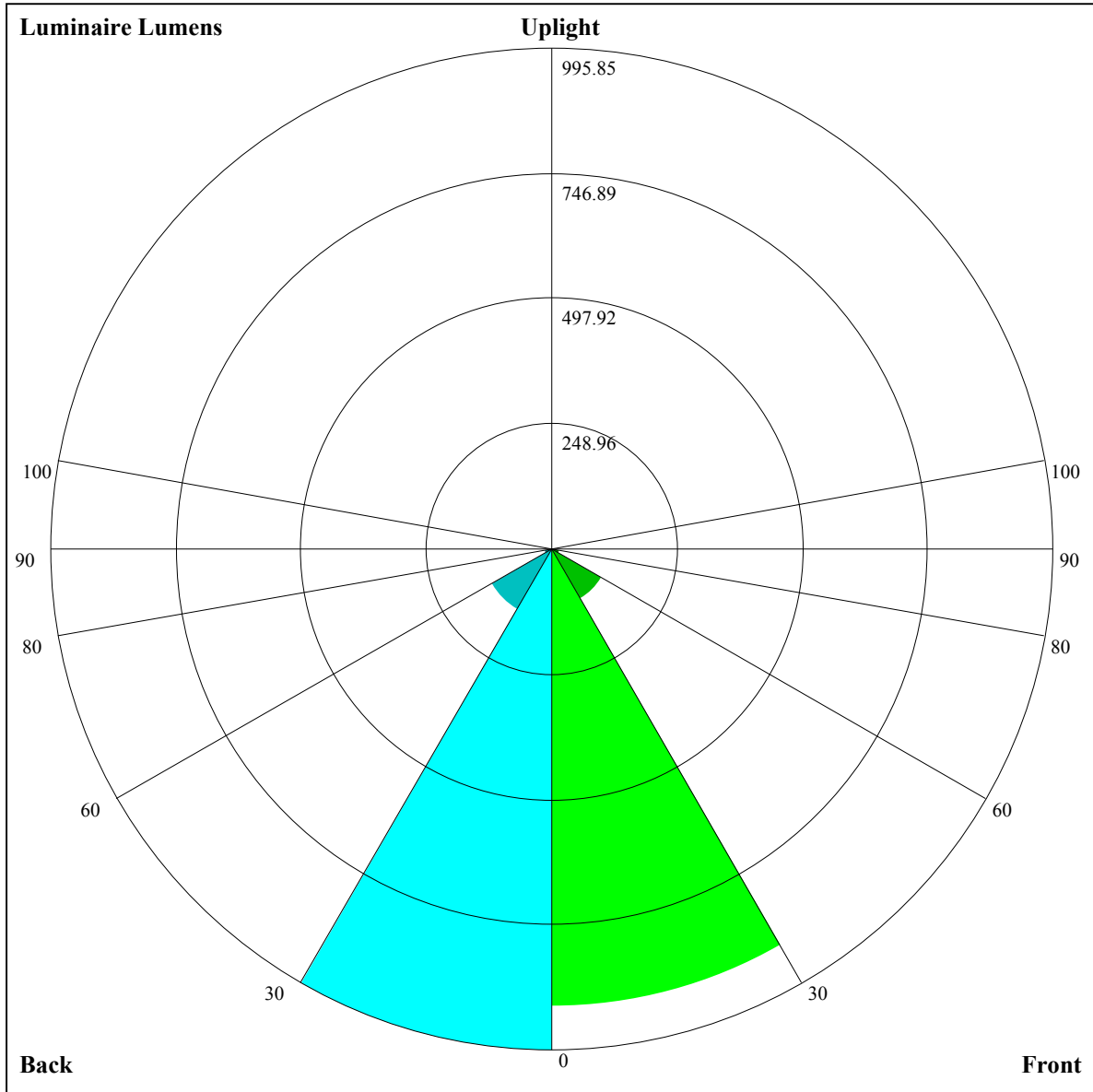
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.96	0.94	0.92	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.81
2	0.90	0.87	0.84	0.89	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.81	0.80	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=910.5,FM=115.99,FH=16.29,FVH=5.63

BL=995.85,BM=139.99,BH=16.92,BVH=5.73

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	7541.85	7413.69	7157.36	6850.70	6477.91	5975.21	5554.43	5135.41	4726.92
45.0	7625.54	7576.38	7442.36	7274.99	7012.22	6669.28	6278.35	5771.55	5355.45
90.0	7598.62	7516.69	7339.37	7106.45	6792.77	6424.66	5926.63	5511.71	5094.44
135.0	7641.93	7632.56	7555.90	7441.19	7196.57	6895.76	6537.61	6046.02	5639.29
180.0	7541.85	7623.20	7643.10	7603.30	7491.52	7342.88	7116.39	6809.15	6329.85
225.0	7625.54	7631.39	7567.60	7462.85	7229.34	6946.68	6599.64	6099.27	5679.08
270.0	7598.62	7636.07	7624.96	7538.93	7410.76	7199.50	6812.08	6441.63	6024.36
315.0	7641.93	7596.28	7477.48	7313.62	7060.21	6719.61	6332.78	5807.83	5378.86
360.0	7541.85	7413.69	7157.36	6850.70	6477.91	5975.21	5554.43	5135.41	4726.92
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4243.52	3879.52	3539.50	3220.55	2871.76	2624.79	2404.75	2156.61	1982.22
45.0	4942.87	4541.99	4069.71	3709.80	3300.14	3003.43	2734.81	2439.28	2232.69
90.0	4584.71	4197.88	3831.53	3408.41	3105.26	2771.10	2527.06	2312.28	2123.25
135.0	5226.70	4817.63	4334.23	3966.13	3617.92	3297.80	2932.62	2669.85	2439.28
180.0	5924.88	5508.78	5096.20	4587.05	4194.37	3837.38	3417.77	3109.36	2822.60
225.0	5254.21	4835.19	4343.60	3981.93	3638.99	3320.63	2961.88	2701.46	2467.95
270.0	5500.00	5087.42	4584.71	4198.46	3835.04	3496.19	3188.36	2838.98	2583.24
315.0	4955.16	4546.67	4072.64	3720.92	3320.04	3025.09	2761.15	2468.54	2266.05
360.0	4243.52	3879.52	3539.50	3220.55	2871.76	2624.79	2404.75	2156.61	1982.22
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1788.51	1646.88	1514.04	1307.45	1160.91	1133.58	1033.74	956.73	880.71
45.0	2054.20	1892.68	1710.67	1580.17	1454.34	1336.71	1194.50	1087.99	999.04
90.0	1914.33	1763.34	1625.23	1496.48	1148.21	1148.21	1122.46	1029.41	935.95
135.0	2187.63	2012.65	1813.09	1673.80	1539.20	1418.06	1272.92	1162.32	1060.49
180.0	2527.06	2316.38	2118.57	1910.23	1757.49	1621.72	1492.97	1343.15	1231.37
225.0	2259.03	2026.69	1861.66	1682.00	1552.66	1402.26	1152.54	1152.54	1078.92
270.0	2373.15	2173.58	1947.10	1792.02	1614.69	1487.12	1367.14	1226.10	1120.18
315.0	2077.02	1870.44	1724.13	1590.11	1464.88	1146.46	1146.46	1095.66	1005.59
360.0	1788.51	1646.88	1514.04	1307.45	1160.91	1133.58	1033.74	956.73	880.71
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	824.29	749.15	663.41	548.59	453.90	358.51	248.08	169.72	101.83
45.0	911.84	857.41	792.45	687.70	596.99	483.45	392.16	302.03	302.03
90.0	875.50	817.68	721.00	637.13	521.79	429.56	336.39	249.72	157.43
135.0	978.55	897.79	848.63	778.41	695.31	582.94	490.48	375.19	309.06
180.0	1127.20	1034.15	941.10	880.82	825.81	727.49	637.37	522.08	427.27
225.0	977.79	913.24	856.30	790.81	680.91	587.92	495.57	403.22	292.38
270.0	1028.88	955.73	881.99	824.64	745.05	656.68	539.64	446.59	352.95
315.0	917.40	863.27	802.17	722.34	606.88	514.30	397.48	309.17	226.25
360.0	824.29	749.15	663.41	548.59	453.90	358.51	248.08	169.72	101.83
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	82.93	75.49	69.12	62.74	58.00	53.67	49.98	45.71	42.66
45.0	129.39	93.52	82.87	75.14	67.94	62.33	57.53	53.43	48.46
90.0	105.22	84.51	76.31	68.35	62.97	57.94	52.61	48.75	45.35
135.0	309.06	118.16	87.26	78.60	70.17	64.55	59.28	55.07	49.86
180.0	334.22	311.40	209.39	101.07	82.22	74.73	67.42	62.33	57.76
225.0	210.21	142.74	92.41	81.81	72.63	67.07	61.80	57.24	52.09
270.0	308.47	308.47	108.97	82.69	73.56	67.59	61.51	56.88	52.79
315.0	139.11	94.40	80.35	73.50	66.60	61.57	56.94	52.79	48.11
360.0	82.93	75.49	69.12	62.74	58.00	53.67	49.98	45.71	42.66

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	40.03	37.16	35.35	33.65	32.07	30.90	30.02	29.09	28.50
45.0	45.12	41.38	38.74	36.64	34.18	32.77	31.49	30.31	29.44
90.0	41.49	38.92	36.58	34.29	32.60	31.43	30.08	29.32	28.62
135.0	46.29	43.01	40.26	37.81	35.17	33.30	31.54	30.49	29.61
180.0	53.61	48.87	45.65	42.66	39.44	37.10	34.82	32.95	31.72
225.0	48.40	45.18	42.19	39.09	36.81	35.00	32.95	31.66	30.55
270.0	48.22	45.12	42.14	39.68	36.87	35.11	33.36	32.07	30.61
315.0	44.89	41.96	38.86	36.64	35.00	32.89	31.60	30.26	29.44
360.0	40.03	37.16	35.35	33.65	32.07	30.90	30.02	29.09	28.50
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.15	27.45	27.04	26.22	25.28	23.99	22.82	21.83	20.66
45.0	28.68	28.27	27.80	27.27	26.57	25.52	24.35	23.06	22.06
90.0	28.15	27.62	27.15	26.63	25.81	24.76	23.64	22.36	21.30
135.0	28.73	28.15	27.86	27.27	26.86	26.16	25.22	23.99	22.77
180.0	30.55	29.44	28.68	28.27	27.68	27.15	26.69	25.69	24.58
225.0	29.50	28.73	28.38	27.62	27.27	26.51	25.46	24.46	23.23
270.0	29.73	29.03	28.32	27.97	27.45	26.92	25.87	25.16	23.70
315.0	28.68	28.27	27.74	27.21	26.80	25.81	24.99	23.64	22.59
360.0	28.15	27.45	27.04	26.22	25.28	23.99	22.82	21.83	20.66
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.55	18.55	17.62	16.62	15.92	15.22	14.69	14.22	13.99
45.0	20.66	19.72	18.73	17.50	16.68	15.98	15.39	14.81	14.34
90.0	20.07	19.02	17.85	17.09	16.27	15.39	14.92	14.46	14.05
135.0	21.95	20.72	19.49	18.49	17.56	16.56	15.86	15.16	14.63
180.0	23.47	22.41	20.95	19.96	19.02	17.67	16.85	16.15	15.33
225.0	22.24	20.78	19.72	18.73	17.79	16.74	15.98	15.39	14.81
270.0	22.65	21.59	20.31	19.20	18.08	17.26	16.56	15.63	15.10
315.0	21.13	20.13	19.20	17.85	17.09	16.33	15.51	14.98	14.57
360.0	19.55	18.55	17.62	16.62	15.92	15.22	14.69	14.22	13.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.52	13.23	12.93	12.64	12.23	12.00	11.76	11.41	11.06
45.0	13.99	13.64	13.23	12.93	12.64	12.29	12.06	11.70	11.41
90.0	13.64	13.28	13.05	12.64	12.41	12.06	11.82	11.59	11.35
135.0	14.22	13.81	13.46	13.17	12.87	12.58	12.23	12.06	11.76
180.0	14.86	14.40	14.05	13.64	13.28	12.99	12.70	12.35	12.11
225.0	14.34	13.99	13.58	13.23	12.99	12.58	12.29	12.00	11.76
270.0	14.63	14.16	13.81	13.40	13.11	12.82	12.52	12.17	11.88
315.0	14.16	13.69	13.40	13.05	12.76	12.47	12.17	11.88	11.53
360.0	13.52	13.23	12.93	12.64	12.23	12.00	11.76	11.41	11.06
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.77	10.59	10.36	10.18	9.95	9.77	9.77	9.60	9.71
45.0	11.12	10.89	10.59	10.42	10.18	10.01	9.83	9.71	9.60
90.0	11.00	10.77	10.53	10.36	10.18	9.89	9.77	9.54	9.60
135.0	11.41	11.24	10.89	10.59	10.42	10.18	10.01	9.71	9.60
180.0	11.88	11.53	11.18	11.00	10.59	10.42	10.24	10.01	9.89
225.0	11.47	11.12	10.83	10.65	10.42	10.12	10.07	9.77	9.71
270.0	11.59	11.35	11.00	10.77	10.48	10.30	10.07	9.83	9.66
315.0	11.24	11.00	10.71	10.48	10.24	10.12	9.95	9.77	9.48
360.0	10.77	10.59	10.36	10.18	9.95	9.77	9.77	9.60	9.71

Intensity data(cd)

C/γ(°)	90.0
0.0	9.60
45.0	9.60
90.0	9.54
135.0	9.54
180.0	9.77
225.0	9.54
270.0	9.54
315.0	9.60
360.0	9.60