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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.412.00

Report No: 2024301-B015

Ballast type: AC

Test No: 2024301-C015

Voltage(V): 33.960

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 17.998

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2210.33, Efficiency(%): 85.84% , Luminous Efficacy(lm/W): 122.81

Central intensity(cd): 7136.438, Maximum intensity(cd): 7136.438

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

Beam Angle(50%Imax): [C0/180]Total=25.8

[C90/270]Total=25.8

Field angle(10%Imax): [C0/180]Total=58.8

[C90/270]Total=58.8

Maximum s/h(1/2): C0\_180=0.43 C90\_270=0.43

Maximum s/h(1/4): C0\_180=0.46 C90\_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.84%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.968%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/01  
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	7136.438	0.000	0	0.00%	0.00%
1.0	7120.272	6.822	6.822	0.26%	0.31%
2.0	7052.093	20.342	27.163	0.79%	1.23%
3.0	6924.075	33.426	60.589	1.30%	2.74%
4.0	6733.218	45.715	106.305	1.78%	4.81%
5.0	6517.783	57.005	163.31	2.21%	7.39%
6.0	6226.633	66.975	230.285	2.60%	10.42%
7.0	5880.472	75.149	305.434	2.92%	13.82%
8.0	5503.295	81.471	386.905	3.16%	17.50%
9.0	5097.076	85.910	472.816	3.34%	21.39%
10.0	4693.051	88.597	561.413	3.44%	25.40%
11.0	4297.146	89.831	651.243	3.49%	29.46%
12.0	3898.096	89.586	740.829	3.48%	33.52%
13.0	3537.012	88.236	829.065	3.43%	37.51%
14.0	3193.119	86.145	915.21	3.35%	41.41%
15.0	2888.729	83.494	998.704	3.24%	45.18%
16.0	2575.707	80.069	1078.774	3.11%	48.81%
17.0	2338.032	76.520	1155.294	2.97%	52.27%
18.0	2111.916	73.370	1228.664	2.85%	55.59%
19.0	1926.400	70.258	1298.922	2.73%	58.77%
20.0	1750.686	67.301	1366.223	2.61%	61.81%
21.0	1605.550	64.447	1430.67	2.50%	64.73%
22.0	1448.746	61.377	1492.047	2.38%	67.50%
23.0	1325.930	58.220	1550.267	2.26%	70.14%
24.0	1228.212	55.843	1606.11	2.17%	72.66%
25.0	1144.217	53.944	1660.054	2.09%	75.10%
26.0	1049.023	51.772	1711.825	2.01%	77.45%
27.0	948.891	48.879	1760.705	1.90%	79.66%
28.0	850.412	45.555	1806.259	1.77%	81.72%
29.0	758.130	42.084	1848.343	1.63%	83.62%
30.0	658.056	38.237	1886.58	1.48%	85.35%
31.0	564.969	34.035	1920.615	1.32%	86.89%
32.0	473.725	29.757	1950.372	1.16%	88.24%
33.0	395.678	25.613	1975.985	0.99%	89.40%
34.0	335.627	22.131	1998.117	0.86%	90.40%
35.0	284.236	19.251	2017.368	0.75%	91.27%
36.0	255.612	17.189	2034.556	0.67%	92.05%
37.0	213.219	15.291	2049.847	0.59%	92.74%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	180.110	13.129	2062.976	0.51%	93.33%
39.0	144.492	11.080	2074.055	0.43%	93.83%
40.0	123.117	9.333	2083.389	0.36%	94.26%
41.0	104.163	8.093	2091.482	0.31%	94.62%
42.0	89.166	7.024	2098.506	0.27%	94.94%
43.0	76.913	6.152	2104.658	0.24%	95.22%
44.0	66.613	5.417	2110.075	0.21%	95.46%
45.0	58.757	4.818	2114.893	0.19%	95.68%
46.0	53.204	4.379	2119.272	0.17%	95.88%
47.0	48.640	4.051	2123.322	0.16%	96.06%
48.0	45.765	3.816	2127.139	0.15%	96.24%
49.0	43.314	3.658	2130.797	0.14%	96.40%
50.0	41.705	3.545	2134.341	0.14%	96.56%
51.0	40.337	3.471	2137.812	0.13%	96.72%
52.0	39.261	3.416	2141.228	0.13%	96.87%
53.0	37.923	3.357	2144.586	0.13%	97.03%
54.0	36.628	3.286	2147.871	0.13%	97.17%
55.0	35.216	3.207	2151.078	0.12%	97.32%
56.0	33.687	3.114	2154.192	0.12%	97.46%
57.0	32.034	3.005	2157.197	0.12%	97.60%
58.0	30.190	2.877	2160.074	0.11%	97.73%
59.0	28.405	2.739	2162.814	0.11%	97.85%
60.0	26.584	2.598	2165.412	0.10%	97.97%
61.0	24.996	2.462	2167.873	0.10%	98.08%
62.0	23.650	2.344	2170.217	0.09%	98.19%
63.0	22.217	2.231	2172.448	0.09%	98.29%
64.0	20.819	2.112	2174.56	0.08%	98.38%
65.0	19.729	2.007	2176.566	0.08%	98.47%
66.0	18.508	1.908	2178.474	0.07%	98.56%
67.0	17.432	1.807	2180.281	0.07%	98.64%
68.0	16.438	1.716	2181.997	0.07%	98.72%
69.0	15.728	1.641	2183.638	0.06%	98.79%
70.0	15.048	1.581	2185.219	0.06%	98.86%
71.0	14.506	1.528	2186.746	0.06%	98.93%
72.0	14.067	1.486	2188.232	0.06%	99.00%
73.0	13.672	1.451	2189.682	0.06%	99.07%
74.0	13.314	1.419	2191.101	0.06%	99.13%
75.0	12.977	1.389	2192.49	0.05%	99.19%

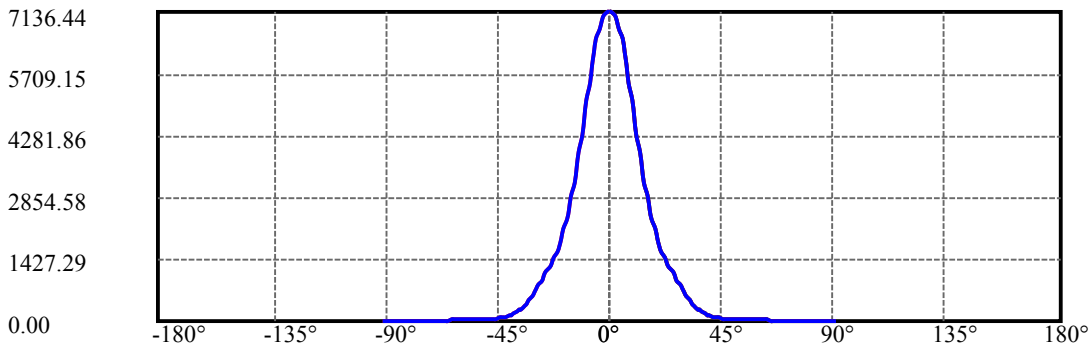
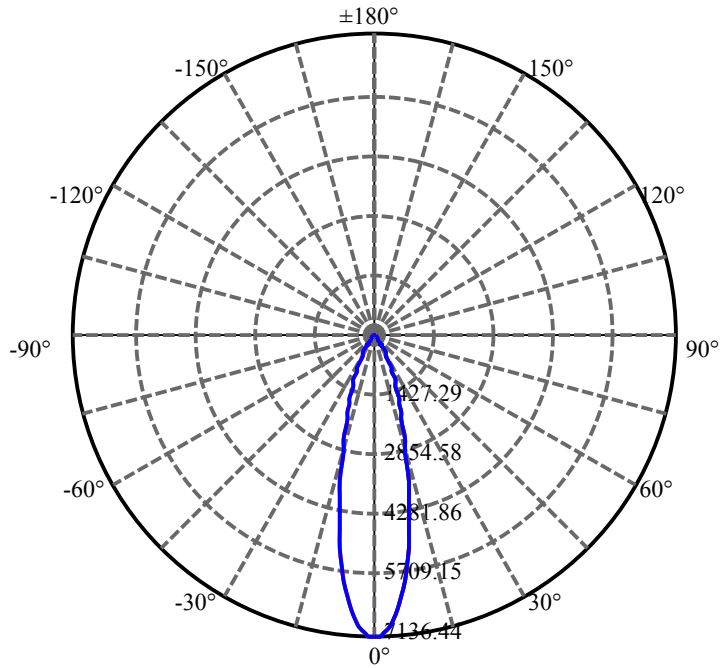
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.685	1.362	2193.853	0.05%	99.25%
77.0	12.385	1.337	2195.189	0.05%	99.32%
78.0	12.078	1.309	2196.499	0.05%	99.37%
79.0	11.785	1.282	2197.781	0.05%	99.43%
80.0	11.507	1.256	2199.036	0.05%	99.49%
81.0	11.244	1.230	2200.267	0.05%	99.54%
82.0	10.966	1.204	2201.471	0.05%	99.60%
83.0	10.724	1.179	2202.65	0.05%	99.65%
84.0	10.483	1.155	2203.806	0.04%	99.70%
85.0	10.278	1.133	2204.939	0.04%	99.76%
86.0	10.073	1.112	2206.051	0.04%	99.81%
87.0	9.890	1.093	2207.144	0.04%	99.86%
88.0	9.715	1.074	2208.218	0.04%	99.90%
89.0	9.605	1.059	2209.277	0.04%	99.95%
90.0	9.568	1.051	2210.328	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1886.58	73.27%	85.35%
0-40	2083.39	80.91%	94.26%
0-60	2165.41	84.09%	97.97%
0-90	2209.28	85.80%	99.95%
0-120	2209.28	85.80%	99.95%
0-180	2210.33	85.84%	100.00%
60-90	43.86	1.70%	1.98%
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%
0-27.17	1768.26	68.67%	80.00%

ZONAL LUMEN SUMMARY

0-10	561.41
10-20	804.81
20-30	520.36
30-40	196.81
40-50	50.95
50-60	31.07
60-70	19.81
70-80	13.82
80-90	10.24
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



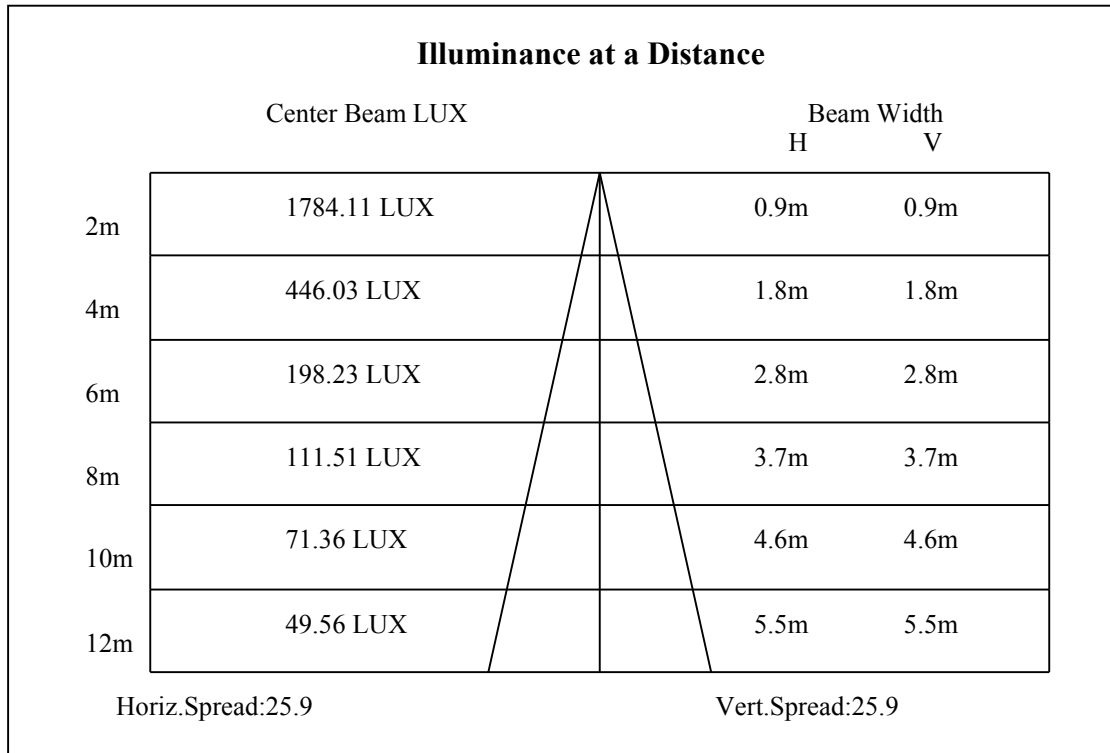
C0(Max): ———

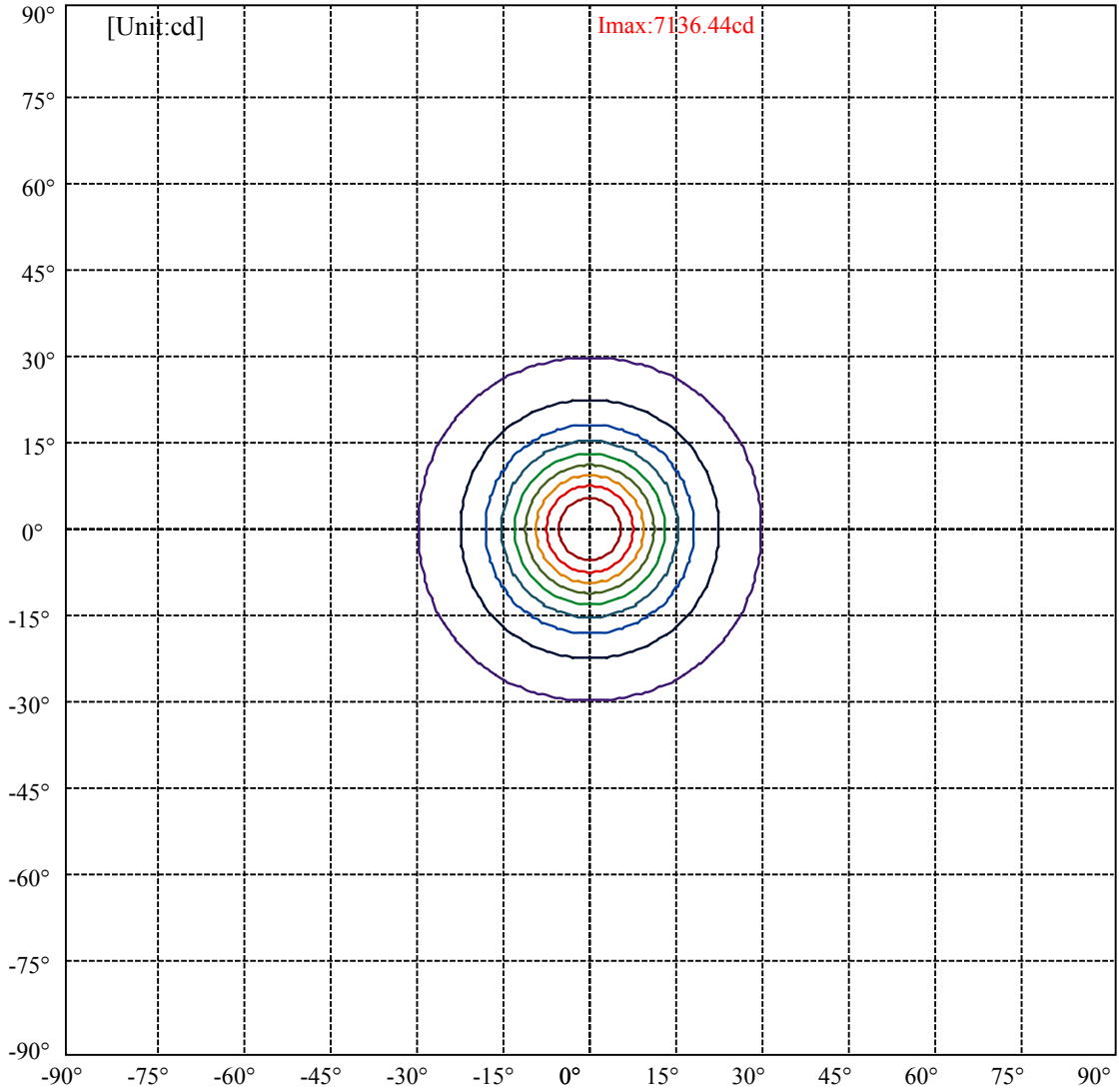
C0/C180: ———

C90/C270: ———

Field angle(10%Imax):C0/180Left:29.4 Right:29.4  
:C90/270Left:29.4 Right:29.4

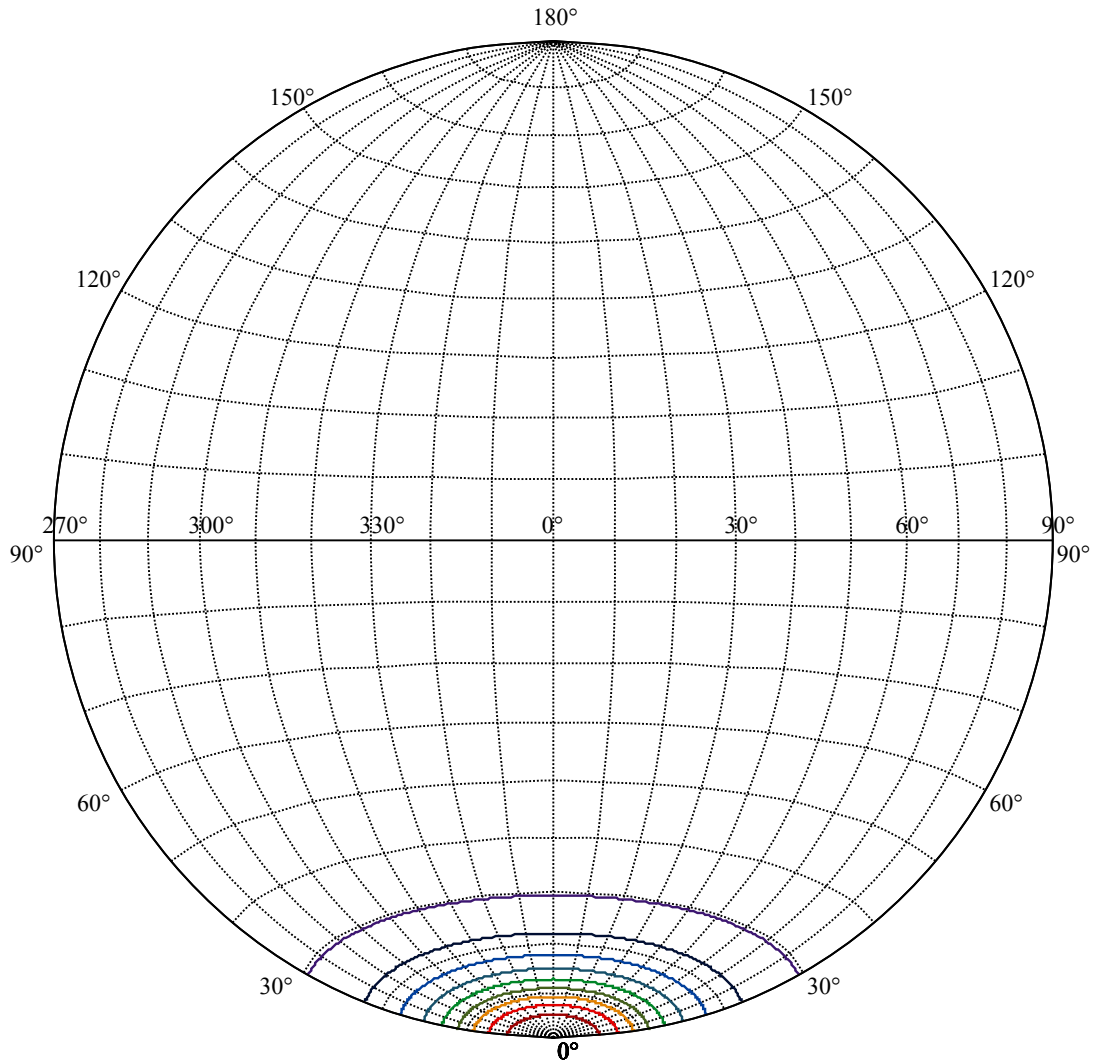
Beam Angle(50%Imax):C0/180Left:12.9 Right:12.9  
:C90/270Left:12.9 Right:12.9





(10%Imax) 713.644	—
(20%Imax) 1427.29	—
(30%Imax) 2140.93	—
(40%Imax) 2854.58	—
(50%Imax) 3568.22	—
(60%Imax) 4281.86	—
(70%Imax) 4995.51	—
(80%Imax) 5709.15	—
(90%Imax) 6422.79	—





House

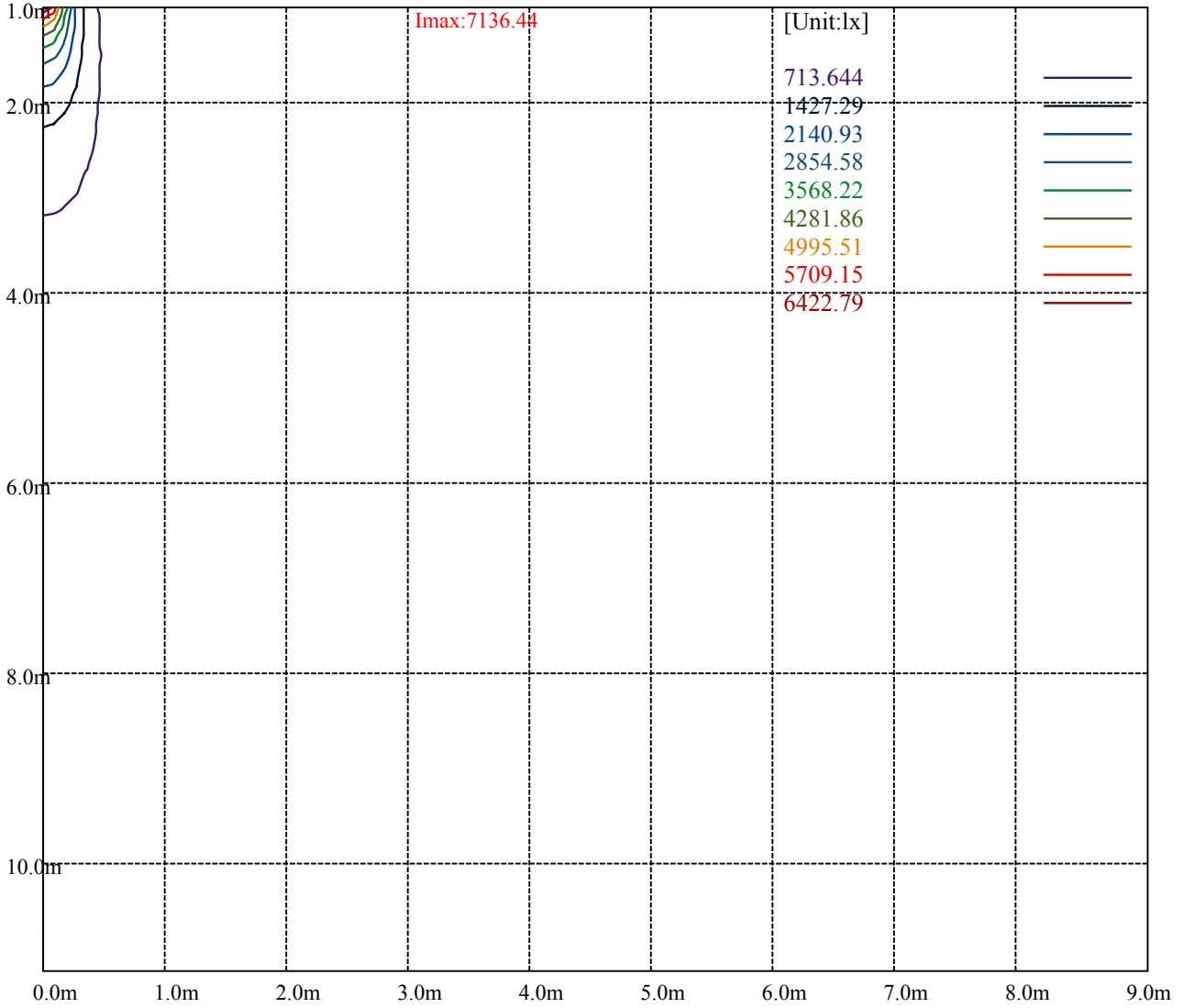
[Unit:cd]

Road

**Imax:7136.44**

(10%Imax)	713.644	—
(20%Imax)	1427.29	—
(30%Imax)	2140.93	—
(40%Imax)	2854.58	—
(50%Imax)	3568.22	—
(60%Imax)	4281.86	—
(70%Imax)	4995.51	—
(80%Imax)	5709.15	—
(90%Imax)	6422.79	—





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

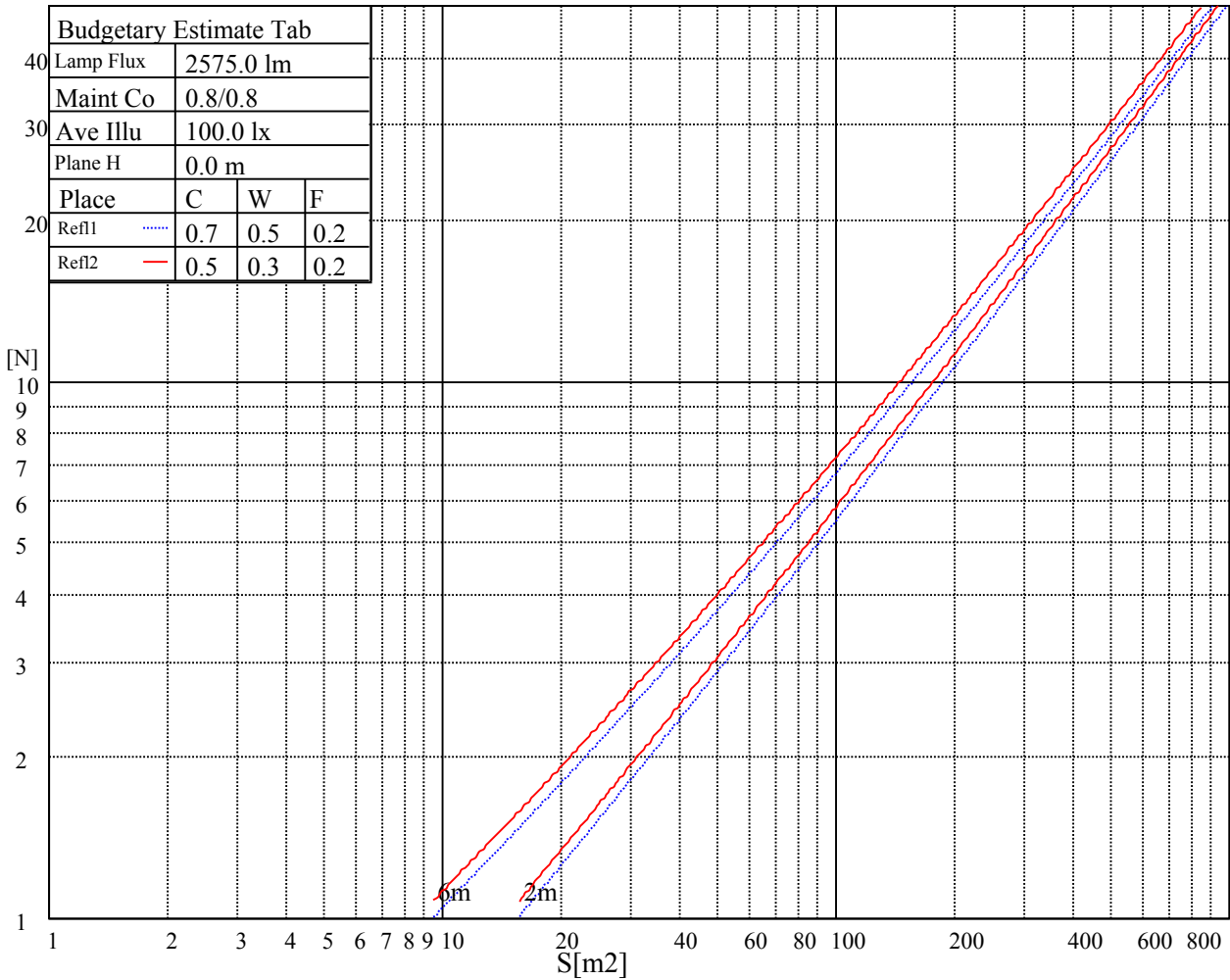
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

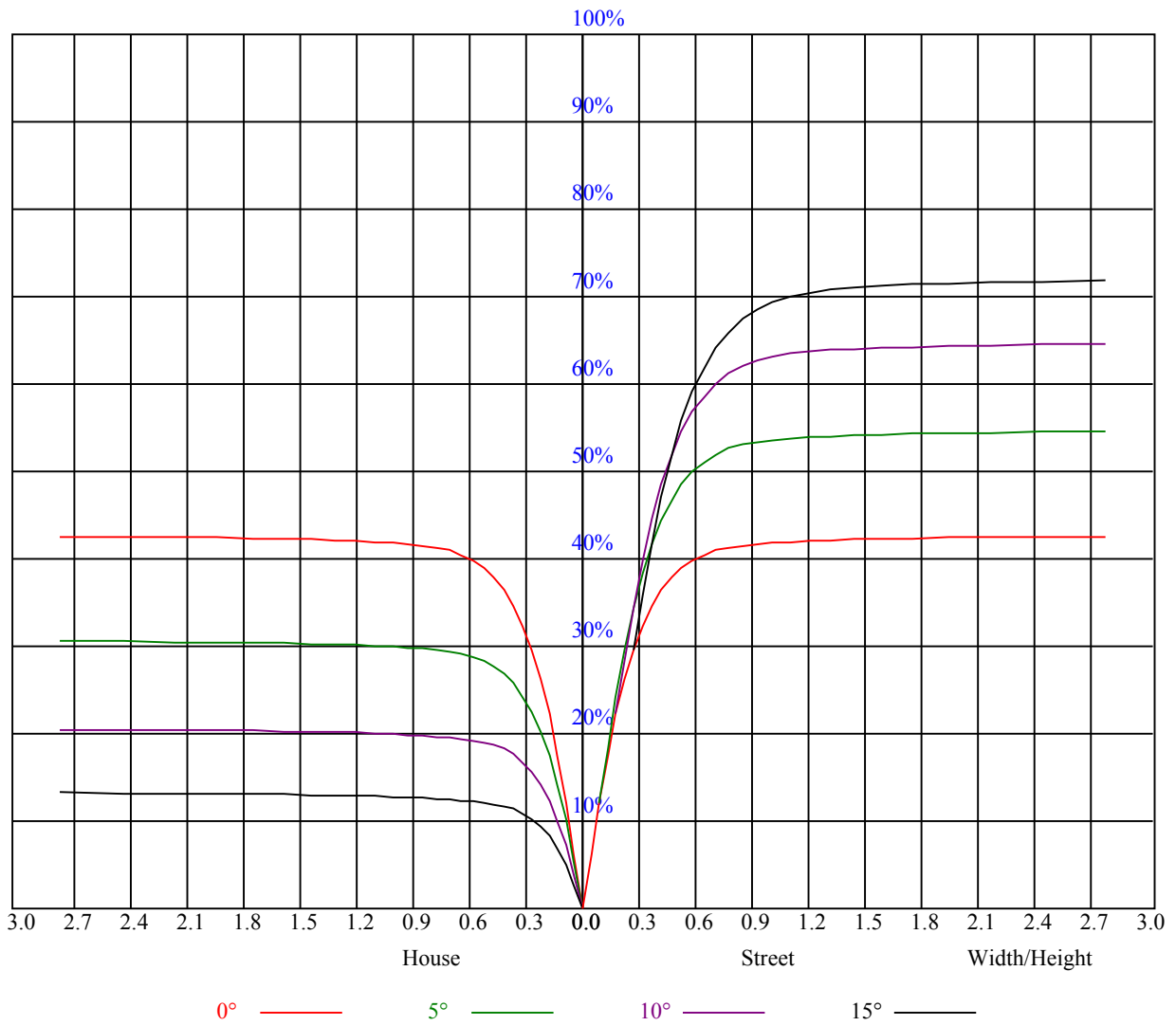


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数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

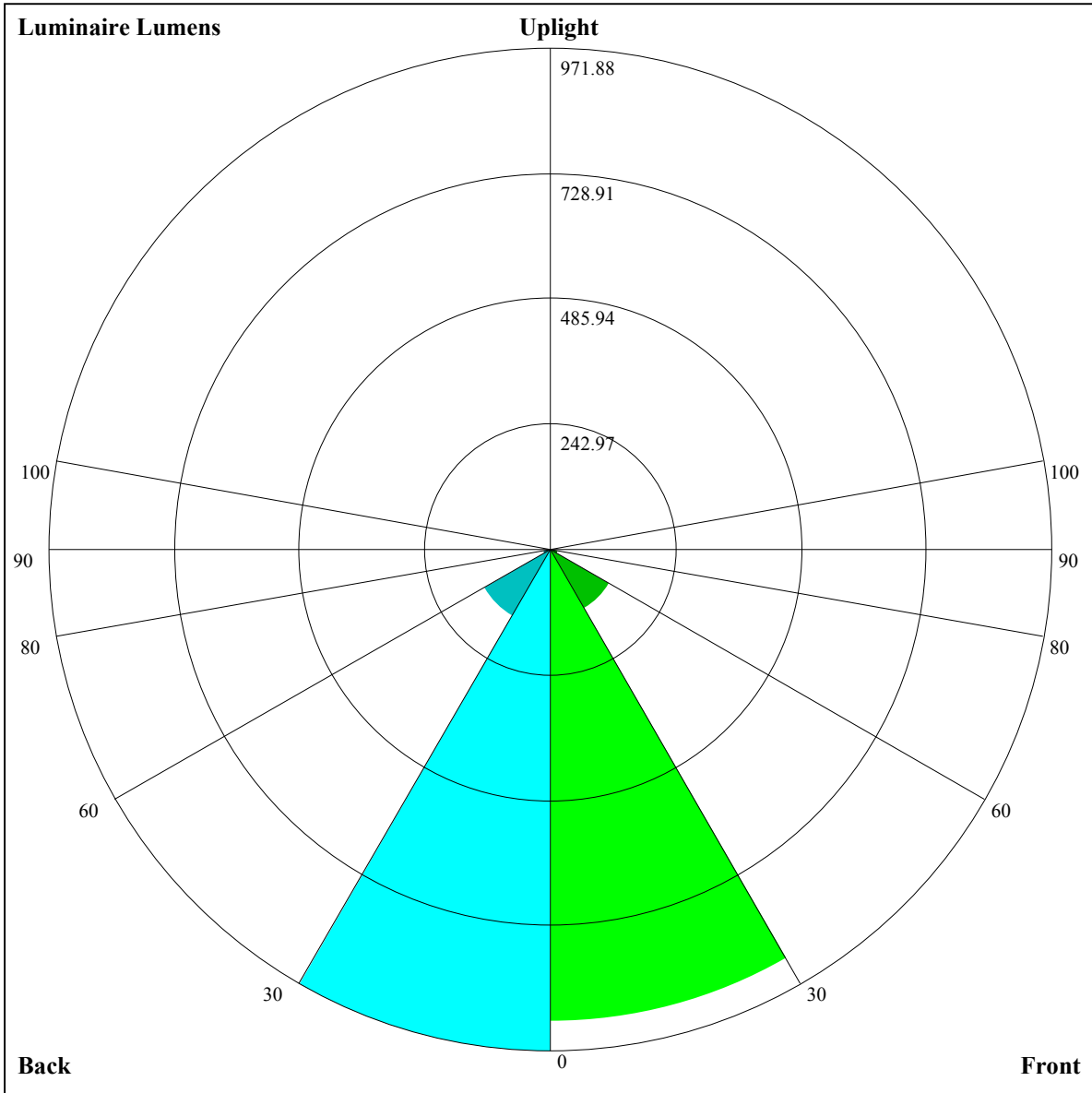
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	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	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	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	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.57
10	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.55







Luminaire Lumens:

FL=915.3,FM=131.9,FH=16.76,FVH=5.63

BL=971.88,BM=149.07,BH=16.92,BVH=5.68

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	7101.18	6991.74	6851.29	6674.55	6390.72	6105.71	5768.04	5304.54	4908.93
45.0	7143.31	7129.27	7086.55	6946.09	6773.45	6563.36	6238.56	5920.19	5567.30
90.0	7138.63	7095.33	6941.41	6757.65	6538.78	6290.06	5895.03	5529.26	5161.74
135.0	7162.63	7166.72	7109.96	6928.54	6729.56	6500.15	6244.41	5943.60	5509.37
180.0	7101.18	7137.46	7145.66	7122.25	6994.67	6829.05	6629.49	6335.12	6026.12
225.0	7143.31	7144.49	7066.07	6936.15	6767.60	6559.26	6224.51	5890.93	5536.29
270.0	7138.63	7146.83	7148.00	7077.18	6920.34	6752.97	6537.61	6263.72	5835.92
315.0	7162.63	7150.34	7067.82	6950.19	6750.63	6541.70	6275.43	5856.41	5480.69
360.0	7101.18	6991.74	6851.29	6674.55	6390.72	6105.71	5768.04	5304.54	4908.93
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4506.29	4029.92	3682.88	3351.06	3045.57	2693.85	2434.59	2209.28	2019.67
45.0	5100.29	4715.22	4324.87	3866.05	3530.72	3212.36	2908.63	2562.17	2322.82
90.0	4695.90	4307.90	3933.94	3588.07	3193.63	2899.85	2624.79	2319.89	2112.14
135.0	5155.89	4797.15	4326.63	3947.40	3592.75	3192.46	2900.43	2561.59	2326.91
180.0	5680.84	5330.29	4889.61	4489.32	4006.51	3659.47	3344.03	2965.39	2689.17
225.0	5077.47	4685.96	4305.56	3861.96	3528.97	3213.53	2840.16	2573.29	2337.45
270.0	5466.06	5090.35	4709.36	4229.48	3880.10	3548.86	3227.57	2853.03	2573.29
315.0	5093.86	4587.64	4204.31	3851.42	3517.85	3124.57	2829.62	2561.00	2322.82
360.0	4506.29	4029.92	3682.88	3351.06	3045.57	2693.85	2434.59	2209.28	2019.67
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1818.35	1673.80	1511.69	1398.16	1157.93	1157.93	1060.66	967.44	874.50
45.0	2117.40	1943.01	1754.56	1615.86	1467.22	1356.61	1254.78	1131.30	1035.32
90.0	1935.98	1750.47	1616.45	1496.48	1286.97	1157.58	1157.58	1064.35	949.41
135.0	2121.50	1942.42	1759.24	1626.98	1509.35	1402.84	1278.78	1182.80	1088.58
180.0	2432.25	2225.67	1970.51	1812.50	1673.22	1548.56	1412.21	1317.99	1227.86
225.0	2125.01	1903.21	1753.39	1617.62	1469.56	1364.80	1147.92	1147.92	1059.78
270.0	2278.34	2079.36	1899.11	1709.50	1576.65	1461.37	1356.02	1232.54	1140.66
315.0	2066.49	1893.26	1740.52	1567.29	1449.08	1157.75	1157.75	1109.41	1016.07
360.0	1818.35	1673.80	1511.69	1398.16	1157.93	1157.93	1060.66	967.44	874.50
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	782.09	669.09	579.26	493.11	396.55	334.57	287.05	248.37	207.58
45.0	940.52	824.64	735.10	646.15	558.36	453.02	380.45	324.27	300.28
90.0	856.13	766.06	677.34	566.03	480.41	402.58	323.98	276.34	227.01
135.0	972.12	880.82	791.87	680.68	591.72	482.87	405.03	341.24	300.86
180.0	1117.84	1031.22	942.86	832.83	740.95	649.66	536.12	453.02	380.45
225.0	970.36	860.11	771.09	681.90	568.37	480.41	402.05	339.08	279.39
270.0	1050.54	960.41	847.46	757.34	666.63	554.27	468.82	394.50	323.10
315.0	901.54	810.95	720.06	606.41	516.75	432.42	361.90	308.18	255.22
360.0	782.09	669.09	579.26	493.11	396.55	334.57	287.05	248.37	207.58
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	180.19	150.17	129.98	112.95	94.46	81.87	71.16	60.80	54.89
45.0	300.28	197.51	170.59	142.09	123.01	106.51	89.13	77.25	67.59
90.0	195.06	167.20	143.50	119.03	103.00	89.36	77.78	65.90	58.64
135.0	300.86	198.80	169.66	145.60	124.89	104.05	90.65	79.53	68.06
180.0	308.47	295.60	295.60	185.34	156.84	127.34	108.68	93.75	78.65
225.0	239.47	206.17	176.74	145.55	124.54	106.86	88.84	76.90	67.18
270.0	300.28	300.28	196.75	169.13	145.08	119.56	102.65	88.25	76.08
315.0	220.28	190.02	158.07	136.24	113.12	97.73	84.45	72.92	61.80
360.0	180.19	150.17	129.98	112.95	94.46	81.87	71.16	60.80	54.89

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	50.45	47.34	44.77	42.72	41.73	41.14	39.27	38.33	37.22
45.0	58.82	53.20	49.10	46.58	43.83	42.14	41.02	39.97	38.33
90.0	53.02	48.87	45.59	43.48	41.26	40.44	39.21	37.81	36.52
135.0	60.69	54.60	49.22	46.64	44.18	42.08	41.02	39.91	38.45
180.0	69.12	61.51	53.96	49.28	45.30	42.96	40.97	39.91	38.51
225.0	57.64	51.68	47.70	44.36	42.08	40.44	39.39	38.10	36.99
270.0	64.67	57.76	52.26	48.46	45.30	43.13	41.20	40.61	39.39
315.0	55.65	50.68	46.53	44.59	42.84	41.32	40.61	39.44	37.98
360.0	50.45	47.34	44.77	42.72	41.73	41.14	39.27	38.33	37.22
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.41	33.94	32.48	30.20	28.50	26.74	25.16	23.94	22.41
45.0	37.34	35.76	34.06	32.54	30.37	28.73	26.92	25.34	23.88
90.0	35.05	33.36	31.84	29.90	28.44	26.34	24.81	23.70	22.47
135.0	37.10	35.58	34.18	32.66	30.37	28.68	26.34	24.87	23.82
180.0	37.51	36.46	35.05	33.36	32.01	30.20	28.21	26.51	24.93
225.0	35.70	34.35	32.83	31.31	29.50	27.68	25.87	24.11	23.12
270.0	37.98	36.81	35.35	33.94	31.84	30.08	28.38	26.51	24.64
315.0	36.93	35.46	33.71	32.36	30.49	28.79	26.98	24.99	23.94
360.0	35.41	33.94	32.48	30.20	28.50	26.74	25.16	23.94	22.41
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.24	19.96	18.79	17.62	16.74	15.86	15.04	14.51	14.10
45.0	22.53	21.13	20.13	18.84	17.67	16.74	16.04	15.22	14.63
90.0	20.78	19.72	18.73	17.21	16.39	15.51	14.92	14.40	14.05
135.0	22.00	20.66	19.72	18.32	17.15	16.39	15.68	14.98	14.51
180.0	23.47	22.12	20.78	19.55	18.49	17.32	16.50	15.68	15.10
225.0	21.71	20.13	19.25	18.08	17.03	16.09	15.51	14.86	14.40
270.0	23.47	22.00	20.48	19.55	18.32	17.03	16.27	15.63	14.81
315.0	22.53	20.83	19.96	18.90	17.67	16.56	15.86	15.10	14.46
360.0	21.24	19.96	18.79	17.62	16.74	15.86	15.04	14.51	14.10
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.75	13.28	12.99	12.70	12.41	12.06	11.76	11.47	11.24
45.0	14.10	13.69	13.40	12.99	12.70	12.47	12.06	11.76	11.53
90.0	13.64	13.28	12.99	12.70	12.41	12.06	11.82	11.53	11.24
135.0	14.10	13.75	13.34	13.05	12.76	12.47	12.17	11.88	11.53
180.0	14.57	14.16	13.75	13.40	13.11	12.76	12.41	12.11	11.88
225.0	13.93	13.58	13.23	12.82	12.52	12.29	11.94	11.70	11.41
270.0	14.34	13.99	13.52	13.17	12.87	12.58	12.35	12.00	11.76
315.0	14.10	13.64	13.28	12.99	12.70	12.41	12.11	11.82	11.47
360.0	13.75	13.28	12.99	12.70	12.41	12.06	11.76	11.47	11.24
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.94	10.65	10.42	10.24	10.07	9.83	9.77	9.48	9.66
45.0	11.24	11.00	10.71	10.36	10.24	10.01	9.83	9.77	9.54
90.0	11.00	10.71	10.48	10.30	10.07	9.89	9.77	9.77	9.48
135.0	11.35	11.00	10.77	10.53	10.30	10.12	9.89	9.77	9.48
180.0	11.59	11.29	11.06	10.83	10.53	10.30	10.12	9.83	9.66
225.0	11.12	10.89	10.65	10.42	10.24	10.07	9.83	9.66	9.54
270.0	11.47	11.24	10.94	10.65	10.48	10.24	10.01	9.71	9.83
315.0	11.24	10.94	10.77	10.53	10.30	10.12	9.89	9.71	9.66
360.0	10.94	10.65	10.42	10.24	10.07	9.83	9.77	9.48	9.66

Intensity data(cd)

C/γ(°)	90.0
0.0	9.66
45.0	9.54
90.0	9.66
135.0	9.66
180.0	9.54
225.0	9.48
270.0	9.48
315.0	9.54
360.0	9.66