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NT

Client:

LumCAT: 3-2806-L

Luminaire: 92.70.412.00

Report No: 2024302-B004

Ballast type: AC

Test No: 2024302-C004

Voltage(V): 34.230

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.141

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2158.70, Efficiency(%): 83.83% , Luminous Efficacy(lm/W): 119.00

Central intensity(cd): 7426.564, Maximum intensity(cd): 7426.564

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

Beam Angle(50%Imax): [C0/180]Total=23.8

[C90/270]Total=23.8

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

[C90/270]Total=58.8

Maximum s/h(1/2): C0\_180=0.40 C90\_270=0.40

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(%): 83.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.749%

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	7426.564	0.000	0	0.00%	0.00%
1.0	7385.013	7.087	7.087	0.28%	0.33%
2.0	7268.553	21.032	28.119	0.82%	1.30%
3.0	7059.774	34.269	62.388	1.33%	2.89%
4.0	6776.379	46.314	108.702	1.80%	5.04%
5.0	6419.465	56.768	165.47	2.20%	7.67%
6.0	6043.019	65.494	230.963	2.54%	10.70%
7.0	5605.709	72.303	303.267	2.81%	14.05%
8.0	5182.226	77.207	380.474	3.00%	17.63%
9.0	4781.420	80.750	461.224	3.14%	21.37%
10.0	4362.472	82.749	543.973	3.21%	25.20%
11.0	4018.652	83.745	627.718	3.25%	29.08%
12.0	3669.858	84.046	711.764	3.26%	32.97%
13.0	3342.498	83.219	794.983	3.23%	36.83%
14.0	3061.224	81.967	876.95	3.18%	40.62%
15.0	2807.968	80.575	957.525	3.13%	44.36%
16.0	2573.951	78.860	1036.385	3.06%	48.01%
17.0	2352.663	76.721	1113.106	2.98%	51.56%
18.0	2168.610	74.546	1187.652	2.89%	55.02%
19.0	1999.919	72.524	1260.176	2.82%	58.38%
20.0	1840.299	70.287	1330.462	2.73%	61.63%
21.0	1681.337	67.623	1398.085	2.63%	64.77%
22.0	1509.500	64.121	1462.206	2.49%	67.74%
23.0	1397.649	61.000	1523.206	2.37%	70.56%
24.0	1237.158	57.606	1580.812	2.24%	73.23%
25.0	1142.703	54.113	1634.925	2.10%	75.74%
26.0	1035.899	51.426	1686.351	2.00%	78.12%
27.0	938.591	48.306	1734.658	1.88%	80.36%
28.0	858.386	45.496	1780.153	1.77%	82.46%
29.0	775.884	42.757	1822.91	1.66%	84.44%
30.0	690.573	39.594	1862.504	1.54%	86.28%
31.0	598.853	35.883	1898.387	1.39%	87.94%
32.0	513.645	31.872	1930.259	1.24%	89.42%
33.0	420.806	27.529	1957.788	1.07%	90.69%
34.0	337.463	22.947	1980.736	0.89%	91.76%
35.0	269.986	18.865	1999.601	0.73%	92.63%
36.0	206.614	15.175	2014.776	0.59%	93.33%
37.0	157.484	11.875	2026.651	0.46%	93.88%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	107.301	8.838	2035.489	0.34%	94.29%
39.0	82.897	6.492	2041.981	0.25%	94.59%
40.0	73.790	5.465	2047.446	0.21%	94.85%
41.0	67.118	5.018	2052.463	0.19%	95.08%
42.0	61.566	4.675	2057.139	0.18%	95.30%
43.0	56.313	4.367	2061.505	0.17%	95.50%
44.0	51.902	4.084	2065.589	0.16%	95.69%
45.0	47.893	3.835	2069.425	0.15%	95.86%
46.0	44.192	3.601	2073.026	0.14%	96.03%
47.0	41.083	3.392	2076.418	0.13%	96.19%
48.0	38.244	3.207	2079.624	0.12%	96.34%
49.0	35.904	3.045	2082.669	0.12%	96.48%
50.0	33.694	2.902	2085.571	0.11%	96.61%
51.0	31.880	2.774	2088.345	0.11%	96.74%
52.0	30.234	2.665	2091.011	0.10%	96.86%
53.0	28.917	2.573	2093.584	0.10%	96.98%
54.0	27.762	2.498	2096.082	0.10%	97.10%
55.0	26.737	2.433	2098.515	0.09%	97.21%
56.0	25.955	2.381	2100.896	0.09%	97.32%
57.0	25.289	2.343	2103.239	0.09%	97.43%
58.0	24.762	2.315	2105.553	0.09%	97.54%
59.0	24.236	2.291	2107.844	0.09%	97.64%
60.0	23.665	2.263	2110.107	0.09%	97.75%
61.0	23.065	2.230	2112.337	0.09%	97.85%
62.0	22.246	2.183	2114.52	0.08%	97.95%
63.0	21.375	2.122	2116.642	0.08%	98.05%
64.0	20.498	2.055	2118.697	0.08%	98.15%
65.0	19.759	1.992	2120.689	0.08%	98.24%
66.0	18.976	1.933	2122.622	0.08%	98.33%
67.0	18.296	1.874	2124.496	0.07%	98.42%
68.0	17.798	1.828	2126.324	0.07%	98.50%
69.0	17.615	1.807	2128.131	0.07%	98.58%
70.0	17.454	1.801	2129.932	0.07%	98.67%
71.0	17.381	1.800	2131.732	0.07%	98.75%
72.0	17.132	1.795	2133.527	0.07%	98.83%
73.0	16.781	1.773	2135.3	0.07%	98.92%
74.0	16.576	1.754	2137.054	0.07%	99.00%
75.0	16.291	1.737	2138.791	0.07%	99.08%

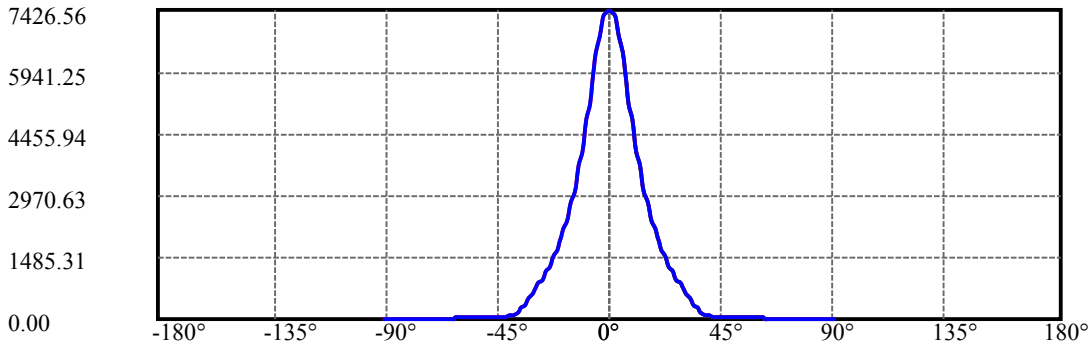
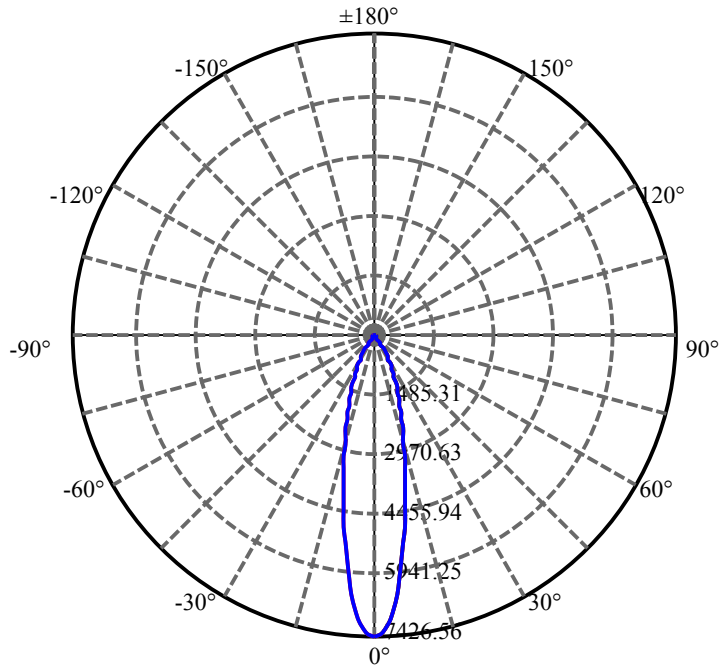
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.933	1.711	2140.501	0.07%	99.16%
77.0	15.582	1.680	2142.181	0.07%	99.23%
78.0	15.099	1.642	2143.824	0.06%	99.31%
79.0	14.653	1.599	2145.422	0.06%	99.39%
80.0	13.950	1.542	2146.964	0.06%	99.46%
81.0	13.043	1.460	2148.424	0.06%	99.52%
82.0	11.990	1.357	2149.782	0.05%	99.59%
83.0	11.090	1.255	2151.036	0.05%	99.65%
84.0	10.629	1.183	2152.219	0.05%	99.70%
85.0	10.300	1.142	2153.362	0.04%	99.75%
86.0	10.015	1.110	2154.472	0.04%	99.80%
87.0	9.795	1.084	2155.556	0.04%	99.85%
88.0	9.576	1.061	2156.617	0.04%	99.90%
89.0	9.466	1.044	2157.661	0.04%	99.95%
90.0	9.429	1.036	2158.697	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1862.50	72.33%	86.28%
0-40	2047.45	79.51%	94.85%
0-60	2110.11	81.95%	97.75%
0-90	2157.66	83.79%	99.95%
0-120	2157.66	83.79%	99.95%
0-180	2158.70	83.83%	100.00%
60-90	47.55	1.85%	2.20%
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%
0-26.84	1726.96	67.07%	80.00%

ZONAL LUMEN SUMMARY

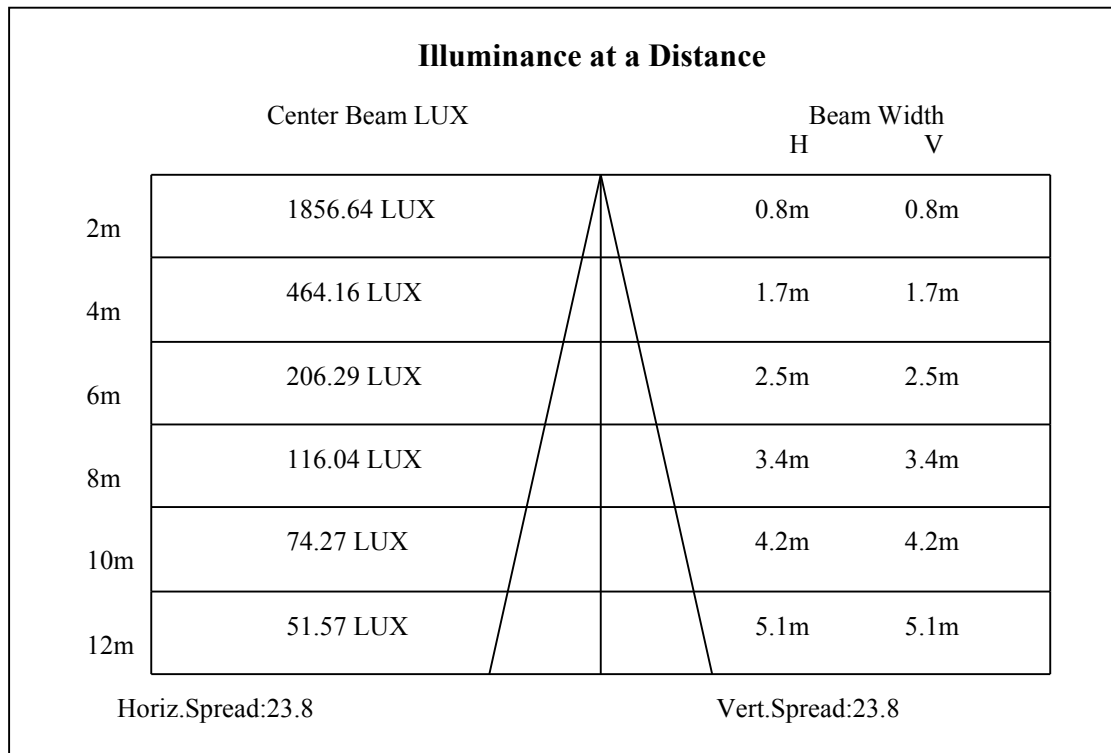
0-10	543.97
10-20	786.49
20-30	532.04
30-40	184.94
40-50	38.13
50-60	24.54
60-70	19.82
70-80	17.03
80-90	10.70
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

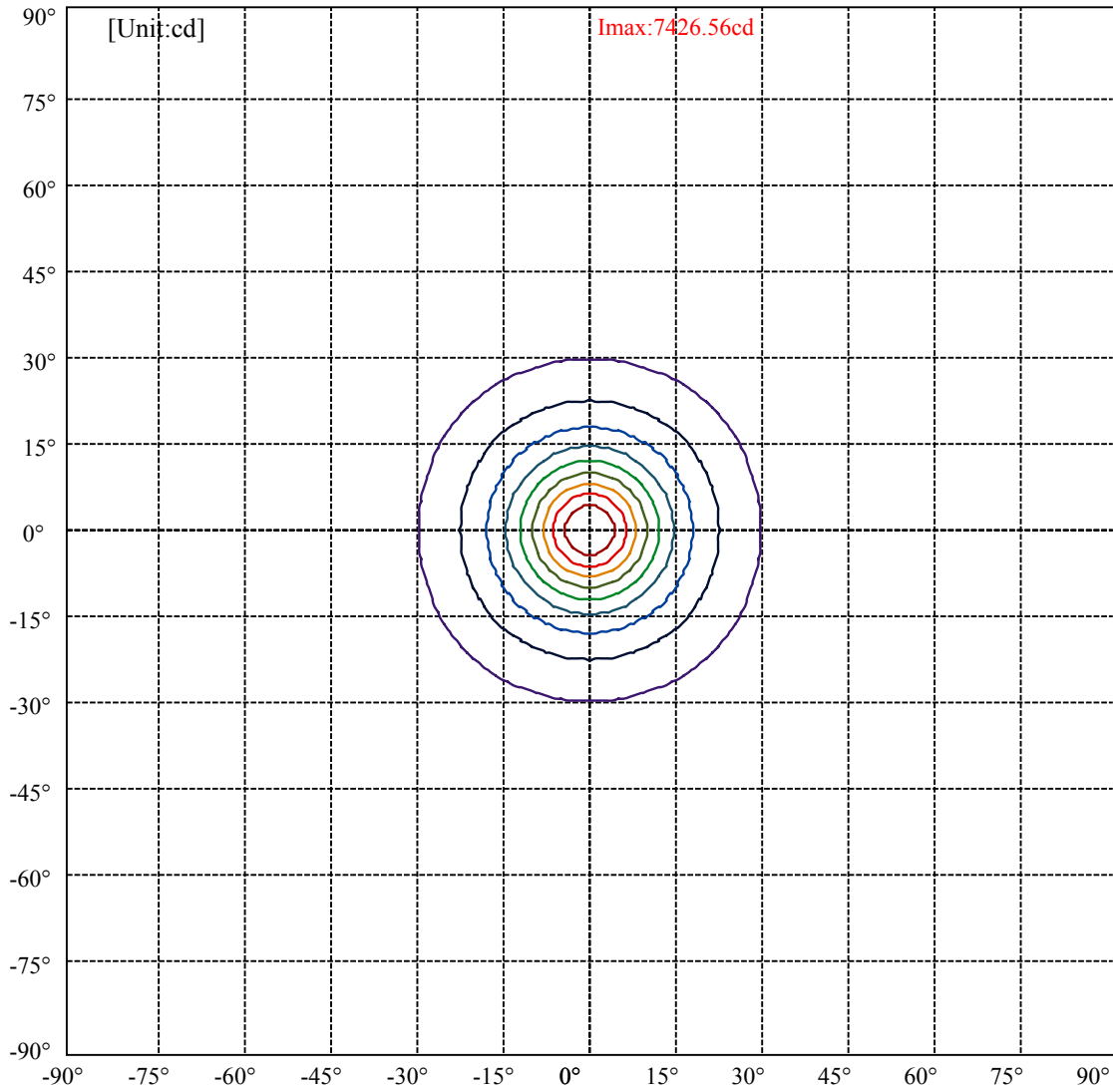


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

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

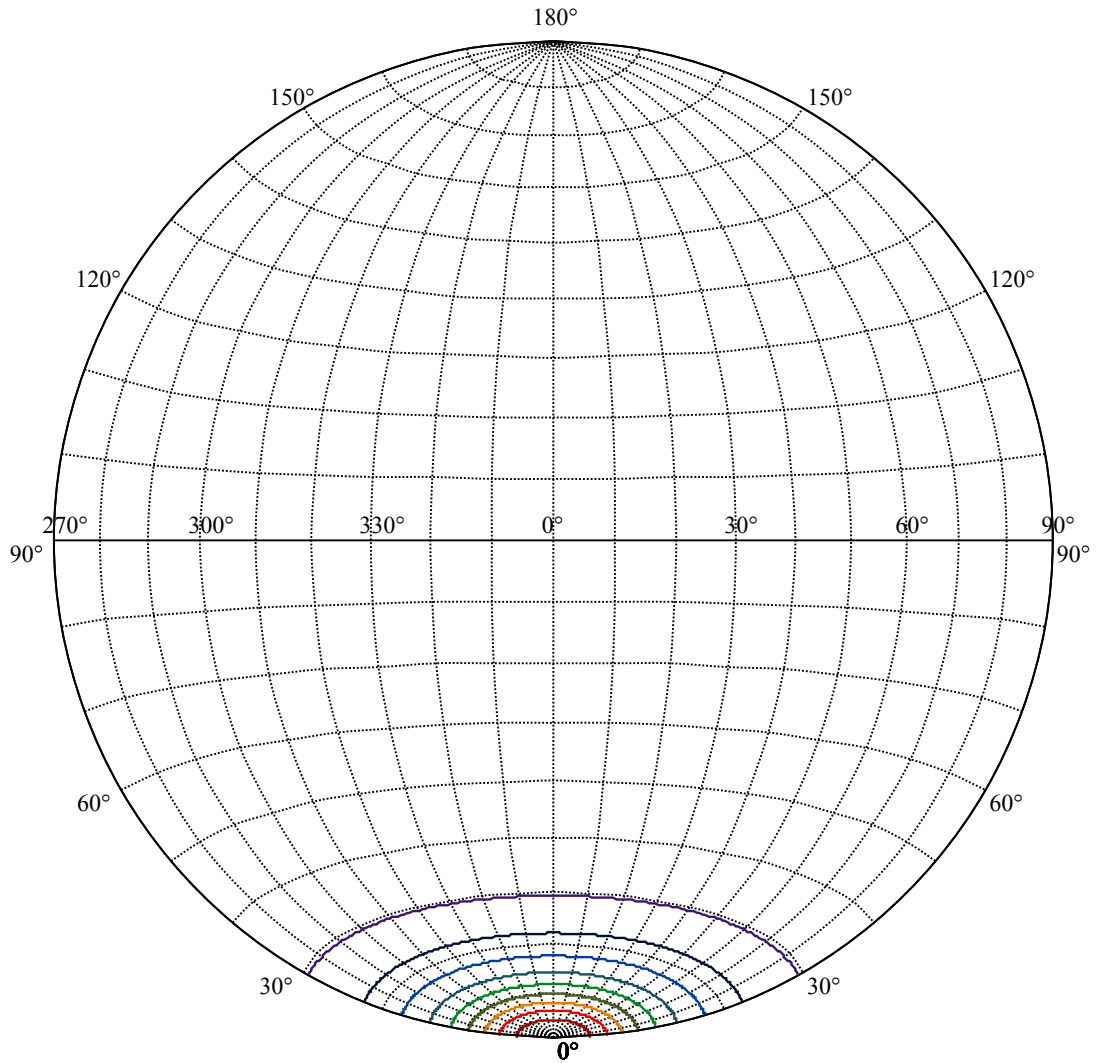
Beam Angle(50%Imax):C0/180Left:11.9 Right:11.9  
:C90/270Left:11.9 Right:11.9





(10%Imax) 742.656	—
(20%Imax) 1485.31	—
(30%Imax) 2227.97	—
(40%Imax) 2970.63	—
(50%Imax) 3713.28	—
(60%Imax) 4455.94	—
(70%Imax) 5198.59	—
(80%Imax) 5941.25	—
(90%Imax) 6683.91	—





House

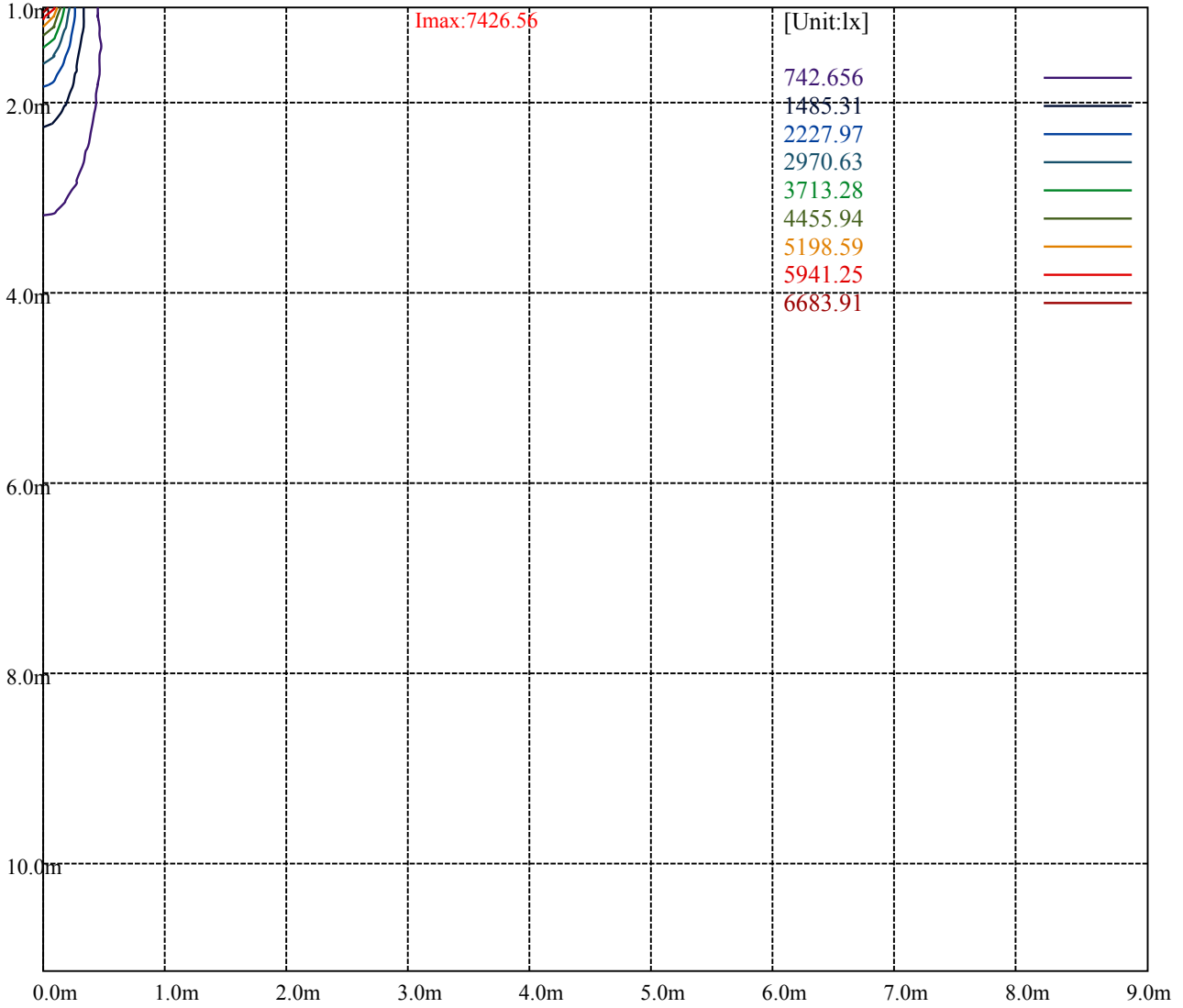
[Unit:cd]

Road

**Imax:7426.56**

(10%Imax)	742.656	—
(20%Imax)	1485.31	—
(30%Imax)	2227.97	—
(40%Imax)	2970.63	—
(50%Imax)	3713.28	—
(60%Imax)	4455.94	—
(70%Imax)	5198.59	—
(80%Imax)	5941.25	—
(90%Imax)	6683.91	—





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

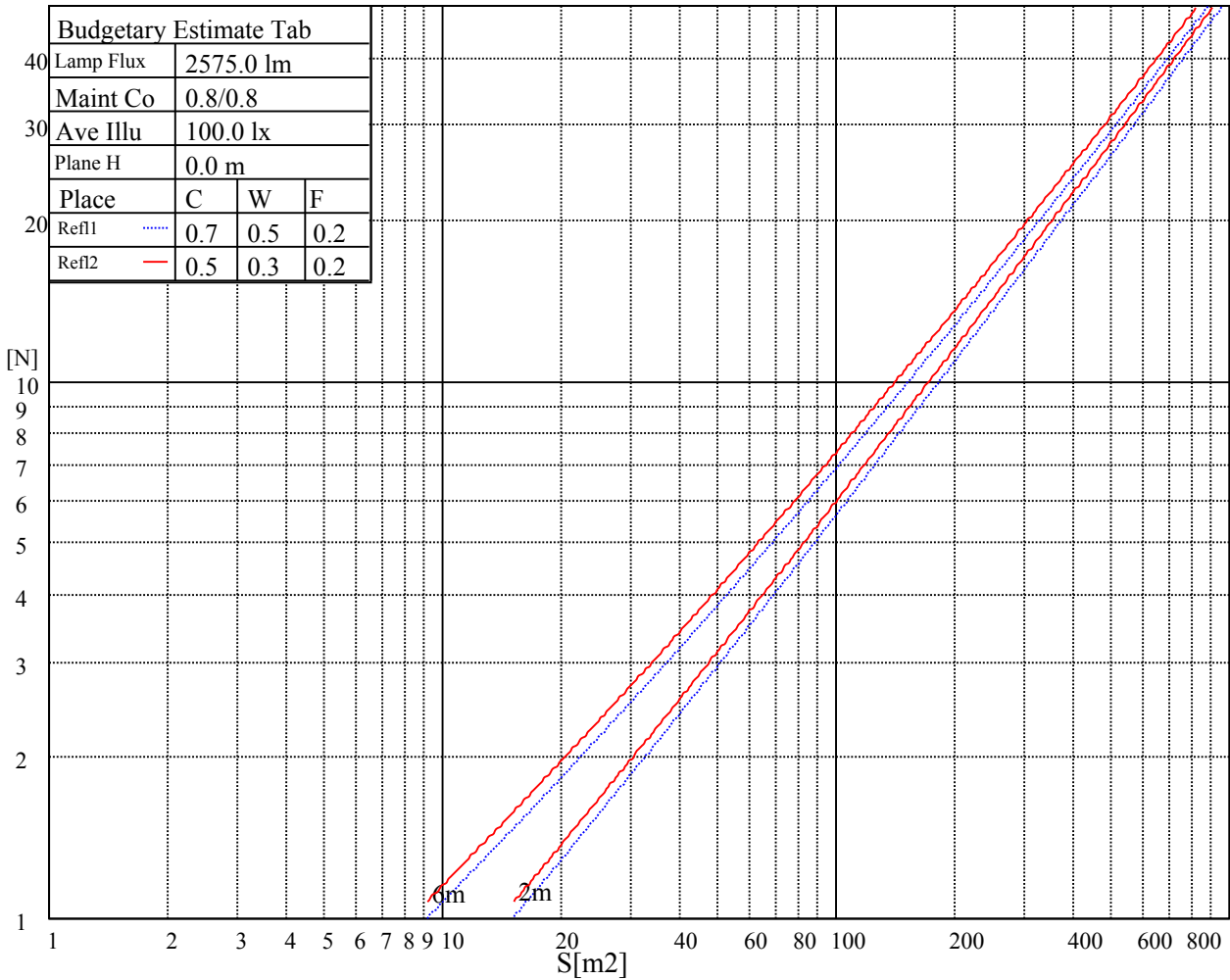
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

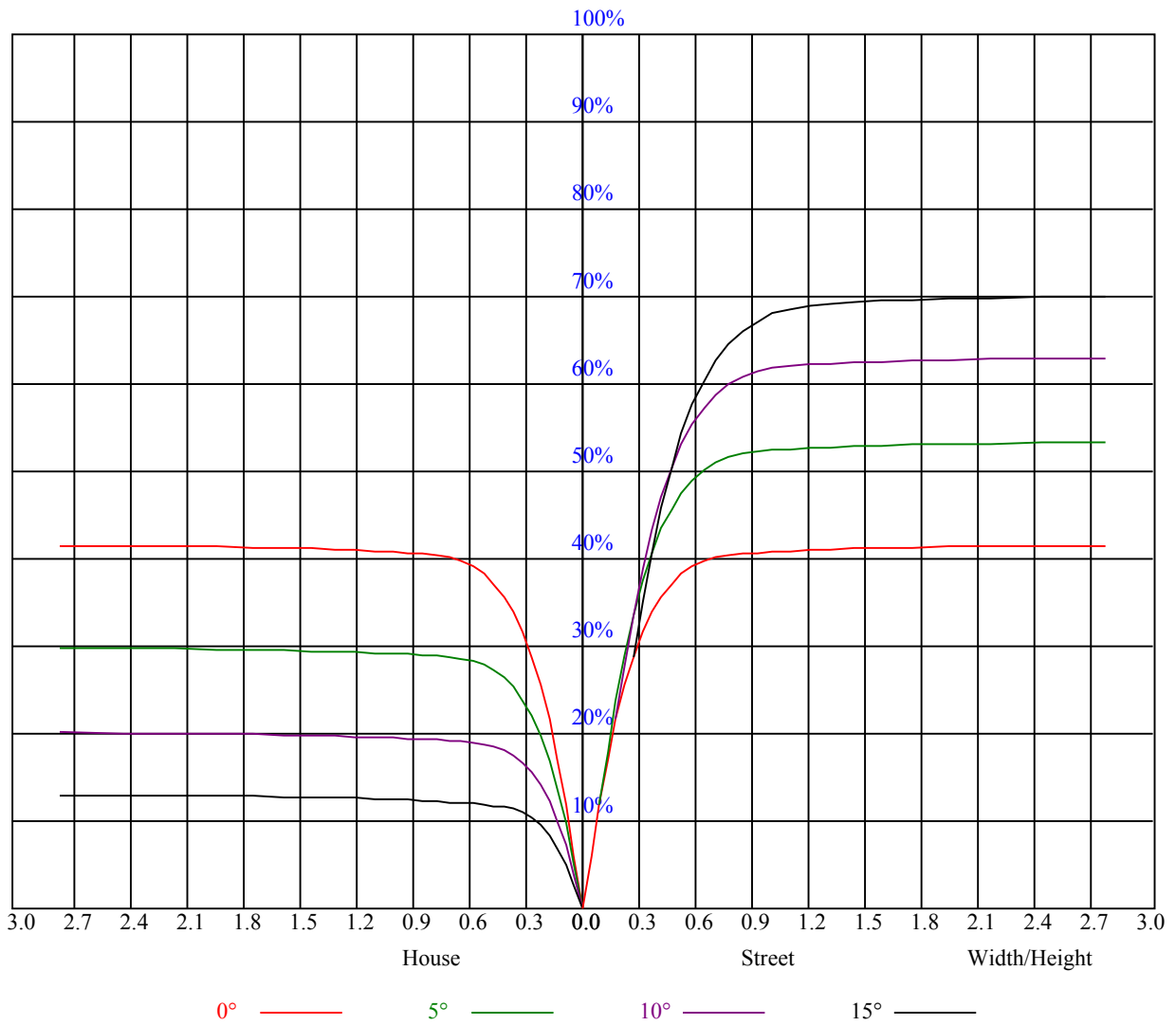


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

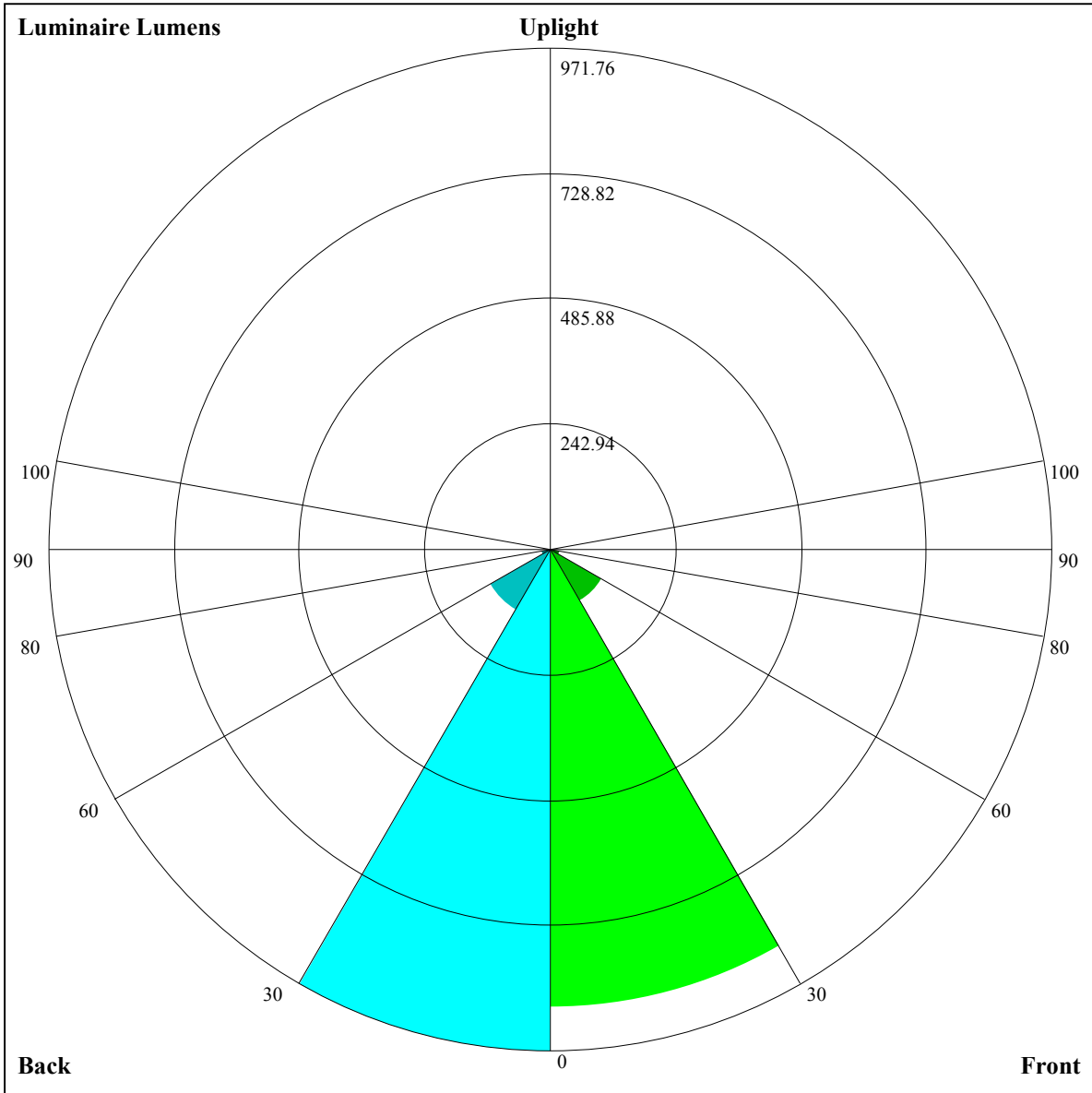
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.93	0.92	0.90	0.92	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.82	0.87	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.71
4	0.79	0.75	0.72	0.78	0.75	0.72	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.58	0.58
9	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53







Luminaire Lumens:  
FL=888.19,FM=114.6,FH=18.82,FVH=5.84  
BL=971.76,BM=136.21,BH=18.98,BVH=6  
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	7356.34	7133.37	6865.92	6535.85	6058.89	5663.87	5261.82	4770.81	4394.51
45.0	7461.68	7397.89	7258.60	6978.87	6659.92	6194.67	5804.91	5405.20	4913.02
90.0	7403.74	7279.09	7068.41	6701.47	6343.31	5872.21	5473.08	5075.13	4692.98
135.0	7484.50	7447.05	7352.24	7132.20	6858.90	6519.47	6143.75	5657.43	5264.16
180.0	7356.34	7448.22	7482.16	7432.42	7294.89	7106.45	6828.46	6394.23	5988.67
225.0	7461.68	7462.26	7377.99	7238.12	7016.91	6715.52	6264.31	5855.23	5447.33
270.0	7403.74	7473.38	7445.88	7359.26	7153.26	6889.91	6561.02	6193.49	5676.16
315.0	7484.50	7438.85	7297.23	7100.01	6824.95	6393.64	6006.81	5494.15	5080.98
360.0	7356.34	7133.37	6865.92	6535.85	6058.89	5663.87	5261.82	4770.81	4394.51
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4047.47	3649.52	3351.64	3080.10	2778.12	2560.42	2363.20	2186.46	1992.75
45.0	4534.97	4183.83	3856.69	3478.05	3197.73	2936.72	2703.21	2439.86	2259.61
90.0	4325.46	3905.85	3591.58	3299.56	2970.08	2737.74	2521.21	2325.16	2112.72
135.0	4876.15	4413.24	4074.98	3761.88	3393.19	3122.23	2871.76	2587.92	2395.97
180.0	5583.11	5097.37	4705.85	4330.72	3899.41	3599.19	3307.75	3048.50	2744.18
225.0	4935.26	4547.84	4188.51	3785.88	3492.10	3146.23	2891.66	2664.00	2456.25
270.0	5265.91	4883.18	4496.93	4050.40	3724.43	3423.04	3079.51	2829.62	2541.11
315.0	4683.03	4218.95	3883.03	3572.27	3284.93	2964.22	2725.45	2510.09	2318.72
360.0	4047.47	3649.52	3351.64	3080.10	2778.12	2560.42	2363.20	2186.46	1992.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1855.22	1717.11	1586.60	1329.10	1164.83	1164.83	1017.12	935.19	868.59
45.0	2095.16	1911.99	1775.63	1644.54	1487.12	1356.02	1196.84	1070.44	973.87
90.0	1959.98	1786.17	1648.64	1518.13	1166.24	1166.24	1105.49	995.53	899.67
135.0	2223.91	2061.22	1879.80	1742.27	1612.35	1485.36	1321.50	1192.16	1068.68
180.0	2535.84	2345.64	2158.37	1961.73	1819.52	1682.00	1518.72	1393.48	1235.47
225.0	2224.50	2056.54	1904.38	1764.51	1629.91	1473.07	1160.91	1160.91	1073.24
270.0	2355.00	2180.61	1971.68	1825.38	1689.02	1560.27	1437.96	1285.80	1163.49
315.0	2099.26	1940.08	1797.28	1665.02	1507.01	1293.41	1138.73	1108.12	1004.19
360.0	1855.22	1717.11	1586.60	1329.10	1164.83	1164.83	1017.12	935.19	868.59
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	773.26	692.32	605.88	497.50	410.54	327.73	250.89	182.18	117.57
45.0	902.48	808.84	725.74	640.88	554.27	467.65	362.90	303.21	303.21
90.0	827.45	752.01	673.30	566.50	480.65	396.78	294.54	220.86	156.78
135.0	950.46	883.16	785.43	705.25	619.81	533.20	423.76	340.66	300.28
180.0	1114.33	1006.65	931.74	856.24	780.75	698.23	611.03	501.60	413.23
225.0	982.65	914.36	834.06	757.75	652.17	564.57	476.20	391.34	289.34
270.0	1048.20	962.17	879.65	810.01	710.52	626.25	540.22	433.71	348.85
315.0	909.91	847.58	771.27	690.45	582.12	494.75	406.91	326.15	230.64
360.0	773.26	692.32	605.88	497.50	410.54	327.73	250.89	182.18	117.57
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	93.23	82.75	75.38	69.41	63.85	57.76	53.61	48.46	45.00
45.0	142.21	96.39	86.03	76.37	70.40	65.08	59.05	55.01	50.91
90.0	100.25	85.21	77.19	69.29	64.08	59.52	55.30	50.27	46.53
135.0	300.28	113.77	87.61	78.77	69.88	64.32	59.52	55.25	50.39
180.0	328.95	307.30	213.08	109.50	87.84	77.25	70.52	63.73	58.82
225.0	213.02	149.93	105.40	86.32	78.19	71.75	66.19	59.58	55.48
270.0	309.06	309.06	126.35	93.81	83.28	75.55	67.89	62.44	57.29
315.0	165.91	115.46	87.37	79.71	72.80	65.72	60.45	55.77	50.80
360.0	93.23	82.75	75.38	69.41	63.85	57.76	53.61	48.46	45.00

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	41.96	39.15	36.28	34.29	32.54	30.96	29.44	28.27	27.27
45.0	46.29	43.31	40.56	38.10	35.87	33.47	32.01	30.61	29.14
90.0	43.37	40.61	37.51	35.41	33.53	31.54	30.31	28.85	27.97
135.0	46.64	42.55	39.80	37.10	34.35	32.36	30.67	29.03	27.86
180.0	54.54	49.69	45.88	42.84	40.03	36.75	34.65	32.60	30.90
225.0	50.33	46.58	43.42	39.85	37.34	35.17	33.12	31.13	29.67
270.0	53.14	47.99	44.36	40.73	37.98	35.70	33.07	31.37	29.90
315.0	46.88	43.66	40.85	37.63	35.58	33.59	31.78	30.02	28.62
360.0	41.96	39.15	36.28	34.29	32.54	30.96	29.44	28.27	27.27
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.34	25.52	25.16	24.52	23.99	23.64	22.36	21.42	20.72
45.0	28.32	27.45	26.57	26.16	25.52	24.87	24.58	23.82	22.47
90.0	27.15	26.16	25.81	25.40	24.81	24.35	23.76	22.71	21.89
135.0	26.92	26.10	25.40	24.81	24.58	23.82	23.47	23.17	22.18
180.0	29.09	27.80	26.74	25.57	24.81	24.52	23.99	23.41	23.12
225.0	28.44	27.45	26.22	25.46	25.11	24.52	23.94	23.58	22.77
270.0	28.50	26.98	26.16	25.34	24.64	24.11	23.64	23.23	22.77
315.0	27.33	26.45	25.57	25.05	24.64	24.05	23.58	23.17	22.06
360.0	26.34	25.52	25.16	24.52	23.99	23.64	22.36	21.42	20.72
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.55	18.43	17.79	16.91	16.04	15.57	15.27	15.33	15.45
45.0	21.77	20.78	19.61	18.73	18.14	17.79	18.08	18.61	18.61
90.0	21.42	21.59	22.00	22.47	22.77	23.64	24.40	23.94	23.53
135.0	21.07	20.37	19.25	18.08	17.50	16.62	15.92	15.27	14.86
180.0	22.41	21.24	20.60	19.78	18.43	17.67	17.03	16.15	15.39
225.0	21.65	20.66	19.78	18.67	17.97	17.15	16.62	16.62	16.91
270.0	21.95	20.72	20.01	19.02	17.97	17.62	17.91	18.55	19.66
315.0	21.19	20.19	19.02	18.14	17.56	16.33	15.68	15.16	14.63
360.0	19.55	18.43	17.79	16.91	16.04	15.57	15.27	15.33	15.45
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.63	15.39	15.27	14.81	14.34	13.69	12.87	11.94	11.24
45.0	18.38	18.32	18.20	17.91	17.62	17.38	16.80	16.56	15.63
90.0	22.94	22.24	21.65	21.01	20.25	19.55	18.79	17.97	15.74
135.0	14.46	14.10	13.87	13.64	13.28	12.99	12.70	12.35	12.00
180.0	14.92	14.57	14.51	14.69	14.69	14.51	14.40	14.10	13.69
225.0	17.09	16.85	16.80	16.80	16.62	16.50	16.21	15.98	15.80
270.0	19.43	18.90	18.67	18.14	17.56	17.26	16.62	16.15	15.68
315.0	14.22	13.87	13.64	13.34	13.11	12.76	12.41	12.17	11.82
360.0	15.63	15.39	15.27	14.81	14.34	13.69	12.87	11.94	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	10.12	9.89	9.66	9.66	9.42	9.36
45.0	14.28	11.70	10.94	10.59	10.24	9.83	9.60	9.54	9.36
90.0	12.76	10.89	10.65	10.36	9.89	9.71	9.54	9.36	9.48
135.0	11.70	11.29	11.00	10.71	10.30	9.89	9.71	9.54	9.36
180.0	13.17	12.17	11.53	11.18	10.77	10.48	10.18	9.83	9.66
225.0	14.81	13.64	11.53	10.77	10.53	10.30	9.83	9.66	9.54
270.0	15.22	14.40	11.76	10.71	10.48	10.24	10.01	9.71	9.54
315.0	11.47	11.18	10.89	10.59	10.30	10.01	9.83	9.54	9.42
360.0	10.94	10.65	10.42	10.12	9.89	9.66	9.66	9.42	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.42
90.0	9.36
135.0	9.48
180.0	9.54
225.0	9.36
270.0	9.36
315.0	9.42
360.0	9.48