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NT

Client:

LumCAT: 3-2832-L

Luminaire: 92.70.411.00

Report No: 2024408-B022

Ballast type: AC

Test No: 2024408-C022

Voltage(V): 34.920

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.401

Lamp flux(lm): 2378.0

Power (W): 14.002

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2042.47, Efficiency(%): 85.89% , Luminous Efficacy(lm/W): 145.87

Central intensity(cd): 11260.370, Maximum intensity(cd): 11260.370

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

Beam Angle(50%Imax): [C0/180]Total=16.0

[C90/270]Total=16.0

Field angle(10%Imax): [C0/180]Total=46.2

[C90/270]Total=46.2

Maximum s/h(1/2): C0\_180=0.28 C90\_270=0.28

Maximum s/h(1/4): C0\_180=0.32 C90\_270=0.32

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.89%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.936%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/08  
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	11260.373	0.000	0	0.00%	0.00%
1.0	11118.895	10.708	10.708	0.45%	0.52%
2.0	10735.133	31.367	42.075	1.32%	2.06%
3.0	10132.352	49.908	91.983	2.10%	4.50%
4.0	9369.657	65.279	157.263	2.75%	7.70%
5.0	8493.209	76.845	234.108	3.23%	11.46%
6.0	7521.078	84.159	318.267	3.54%	15.58%
7.0	6563.211	87.421	405.688	3.68%	19.86%
8.0	5637.750	87.320	493.008	3.67%	24.14%
9.0	4824.141	84.788	577.796	3.57%	28.29%
10.0	4178.784	81.473	659.269	3.43%	32.28%
11.0	3660.934	78.335	737.604	3.29%	36.11%
12.0	3220.040	75.219	812.823	3.16%	39.80%
13.0	2883.169	72.430	885.253	3.05%	43.34%
14.0	2592.678	70.090	955.343	2.95%	46.77%
15.0	2339.715	67.714	1023.057	2.85%	50.09%
16.0	2108.844	65.184	1088.241	2.74%	53.28%
17.0	1914.476	62.654	1150.895	2.63%	56.35%
18.0	1744.468	60.328	1211.223	2.54%	59.30%
19.0	1595.089	58.101	1269.324	2.44%	62.15%
20.0	1437.422	55.503	1324.828	2.33%	64.86%
21.0	1290.560	52.383	1377.211	2.20%	67.43%
22.0	1214.335	50.337	1427.547	2.12%	69.89%
23.0	1136.924	49.336	1476.883	2.07%	72.31%
24.0	1042.695	47.654	1524.538	2.00%	74.64%
25.0	945.775	45.213	1569.751	1.90%	76.86%
26.0	858.057	42.580	1612.331	1.79%	78.94%
27.0	803.594	40.653	1652.983	1.71%	80.93%
28.0	762.753	39.657	1692.64	1.67%	82.87%
29.0	723.119	38.875	1731.515	1.63%	84.78%
30.0	666.659	37.524	1769.038	1.58%	86.61%
31.0	586.015	34.860	1803.898	1.47%	88.32%
32.0	495.312	30.979	1834.877	1.30%	89.84%
33.0	396.870	26.284	1861.161	1.11%	91.12%
34.0	303.732	21.202	1882.363	0.89%	92.16%
35.0	241.449	16.931	1899.295	0.71%	92.99%
36.0	162.919	12.875	1912.17	0.54%	93.62%
37.0	101.237	8.615	1920.785	0.36%	94.04%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	77.747	5.974	1926.759	0.25%	94.33%
39.0	70.724	5.068	1931.827	0.21%	94.58%
40.0	65.779	4.761	1936.588	0.20%	94.82%
41.0	61.419	4.529	1941.117	0.19%	95.04%
42.0	57.059	4.305	1945.422	0.18%	95.25%
43.0	52.985	4.076	1949.498	0.17%	95.45%
44.0	49.378	3.863	1953.362	0.16%	95.64%
45.0	46.138	3.671	1957.033	0.15%	95.82%
46.0	43.285	3.497	1960.53	0.15%	95.99%
47.0	40.805	3.344	1963.874	0.14%	96.15%
48.0	38.691	3.214	1967.088	0.14%	96.31%
49.0	36.818	3.101	1970.189	0.13%	96.46%
50.0	35.260	3.005	1973.194	0.13%	96.61%
51.0	33.899	2.926	1976.12	0.12%	96.75%
52.0	32.773	2.861	1978.981	0.12%	96.89%
53.0	31.917	2.814	1981.795	0.12%	97.03%
54.0	31.156	2.780	1984.575	0.12%	97.17%
55.0	30.476	2.751	1987.326	0.12%	97.30%
56.0	29.722	2.720	1990.046	0.11%	97.43%
57.0	28.778	2.675	1992.721	0.11%	97.56%
58.0	27.806	2.617	1995.337	0.11%	97.69%
59.0	26.496	2.539	1997.876	0.11%	97.82%
60.0	25.304	2.447	2000.323	0.10%	97.94%
61.0	23.738	2.340	2002.664	0.10%	98.05%
62.0	22.187	2.213	2004.877	0.09%	98.16%
63.0	20.768	2.089	2006.966	0.09%	98.26%
64.0	19.320	1.967	2008.933	0.08%	98.36%
65.0	18.047	1.849	2010.782	0.08%	98.45%
66.0	16.847	1.741	2012.523	0.07%	98.53%
67.0	15.969	1.650	2014.173	0.07%	98.61%
68.0	15.187	1.578	2015.751	0.07%	98.69%
69.0	14.557	1.517	2017.269	0.06%	98.77%
70.0	14.060	1.470	2018.739	0.06%	98.84%
71.0	13.628	1.431	2020.17	0.06%	98.91%
72.0	13.270	1.399	2021.568	0.06%	98.98%
73.0	12.941	1.371	2022.939	0.06%	99.04%
74.0	12.648	1.345	2024.284	0.06%	99.11%
75.0	12.341	1.320	2025.604	0.06%	99.17%

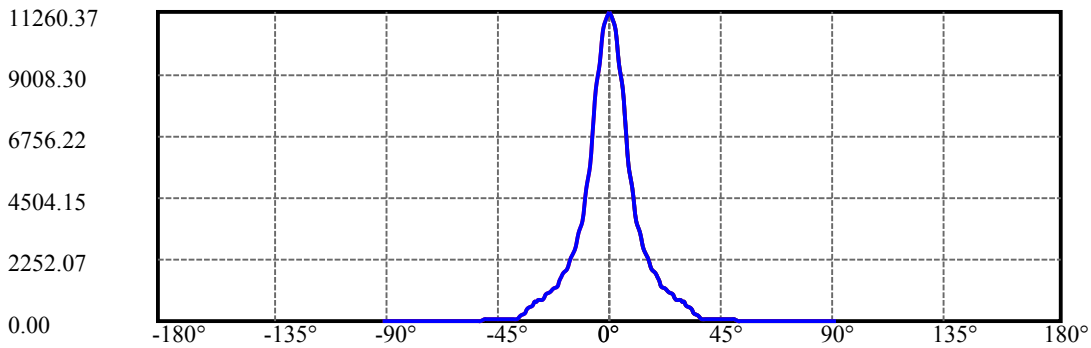
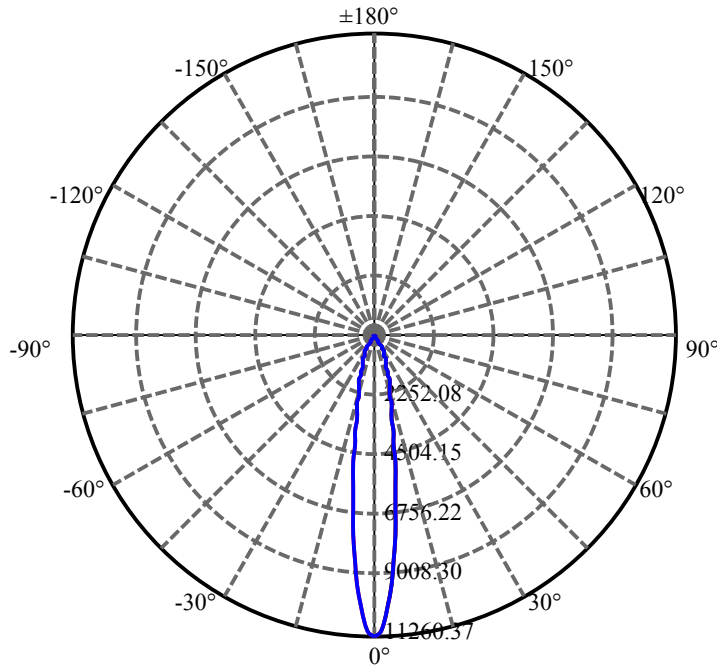
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.063	1.295	2026.9	0.05%	99.24%
77.0	11.778	1.271	2028.171	0.05%	99.30%
78.0	11.573	1.250	2029.421	0.05%	99.36%
79.0	11.441	1.237	2030.658	0.05%	99.42%
80.0	11.192	1.220	2031.878	0.05%	99.48%
81.0	10.907	1.195	2033.073	0.05%	99.54%
82.0	10.497	1.161	2034.234	0.05%	99.60%
83.0	10.059	1.117	2035.351	0.05%	99.65%
84.0	9.788	1.081	2036.432	0.05%	99.70%
85.0	9.576	1.057	2037.489	0.04%	99.76%
86.0	9.356	1.035	2038.524	0.04%	99.81%
87.0	9.151	1.013	2039.537	0.04%	99.86%
88.0	8.976	0.993	2040.53	0.04%	99.91%
89.0	8.815	0.975	2041.505	0.04%	99.95%
90.0	8.764	0.964	2042.469	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1769.04	74.39%	86.61%
0-40	1936.59	81.44%	94.82%
0-60	2000.32	84.12%	97.94%
0-90	2041.50	85.85%	99.95%
0-120	2041.50	85.85%	99.95%
0-180	2042.47	85.89%	100.00%
60-90	41.18	1.73%	2.02%
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%
0-26.53	1633.98	68.71%	80.00%

ZONAL LUMEN SUMMARY

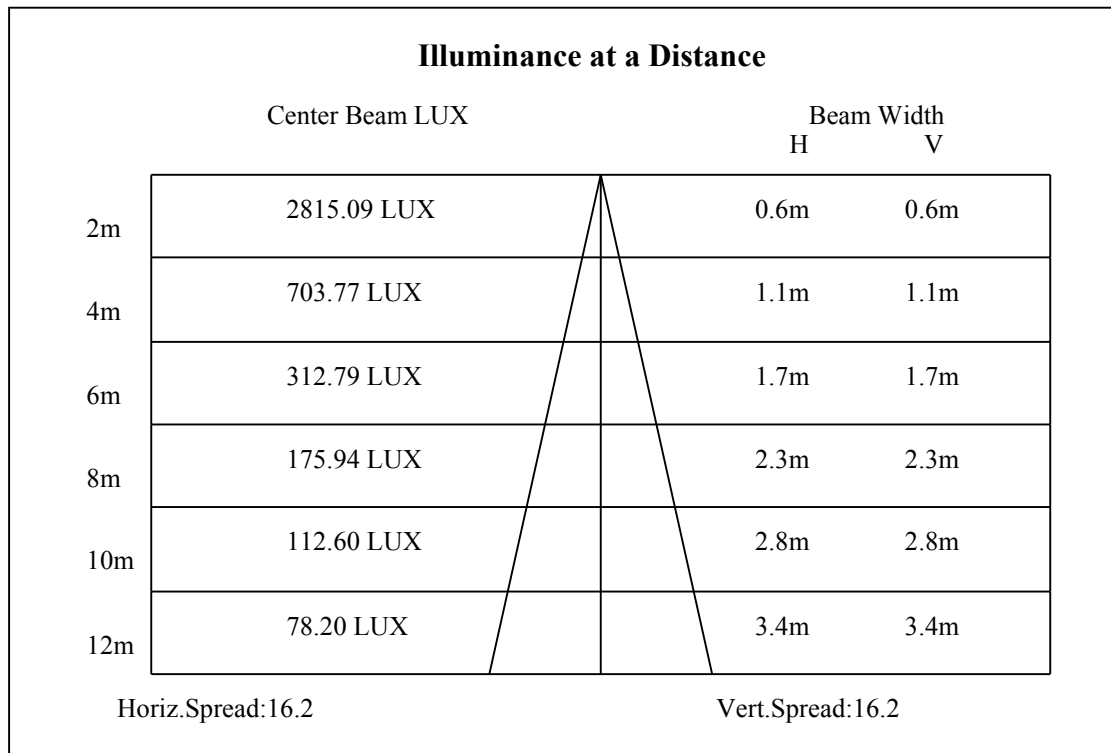
0-10	659.27
10-20	665.56
20-30	444.21
30-40	167.55
40-50	36.61
50-60	27.13
60-70	18.42
70-80	13.14
80-90	9.63
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

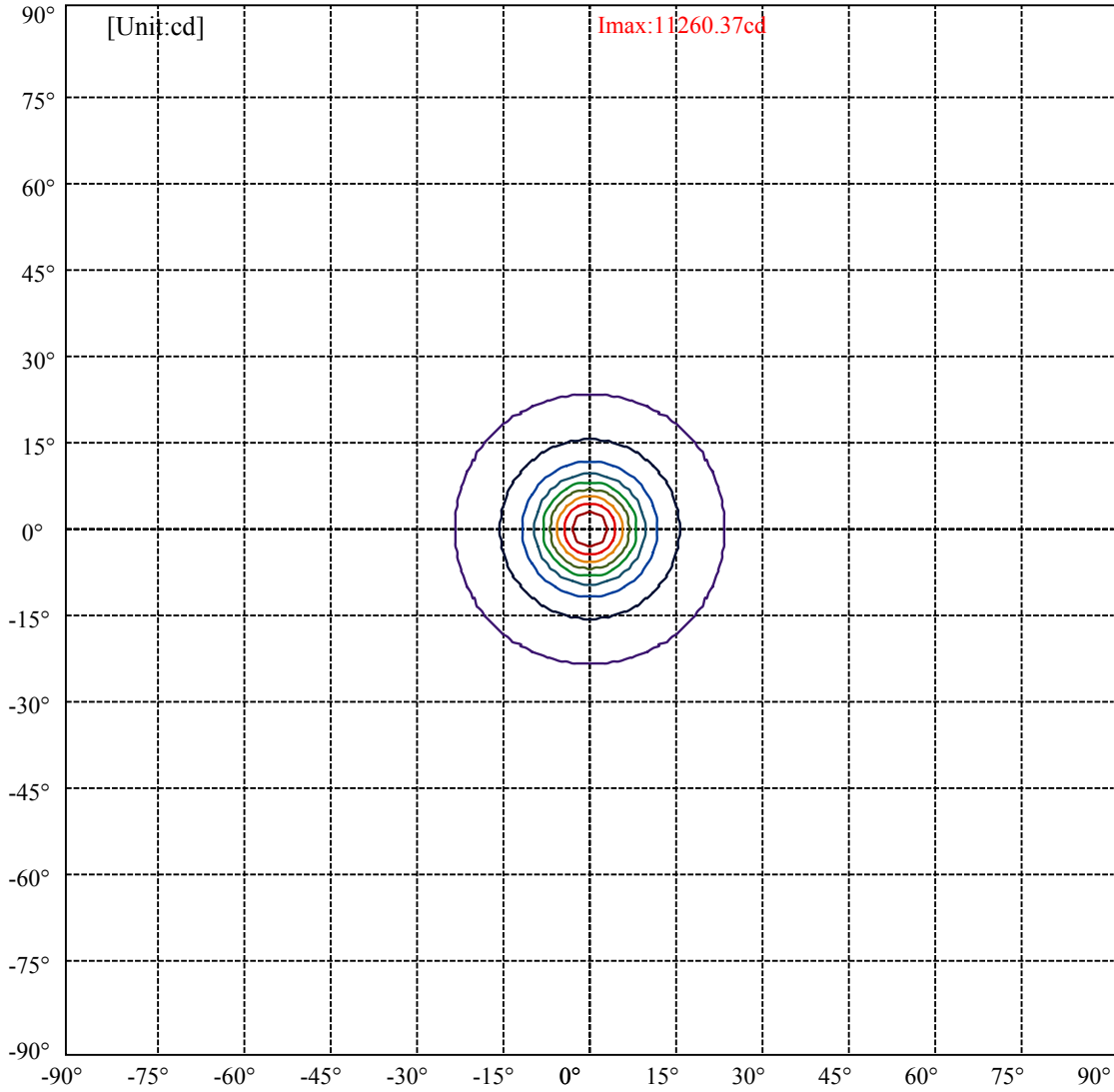


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:23.1 Right:23.1  
:C90/270Left:23.1 Right:23.1

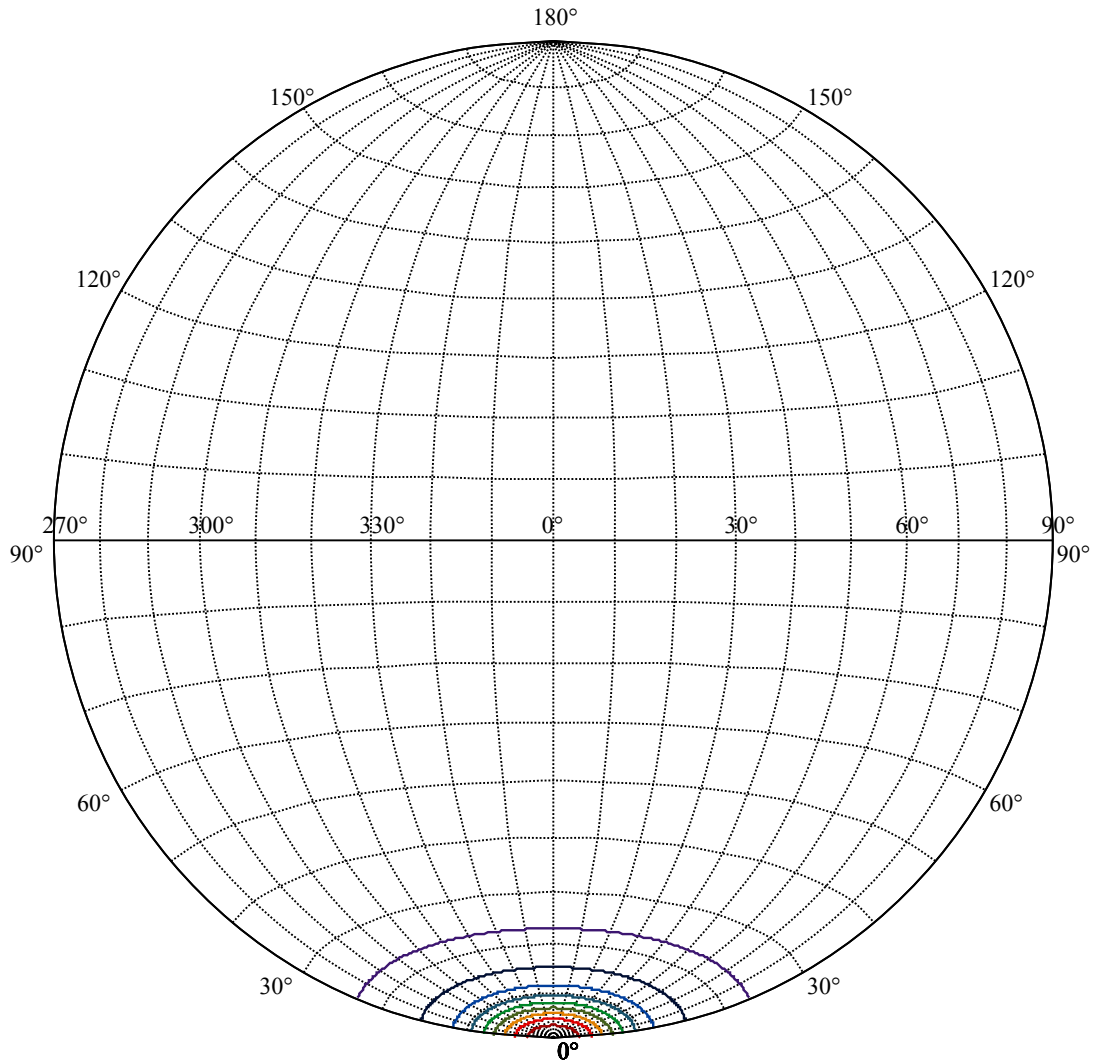
Beam Angle(50%Imax):C0/180Left:8.0 Right:8.0  
:C90/270Left:8.0 Right:8.0





(10%Imax) 1126.04	—
(20%Imax) 2252.07	—
(30%Imax) 3378.11	—
(40%Imax) 4504.15	—
(50%Imax) 5630.19	—
(60%Imax) 6756.22	—
(70%Imax) 7882.26	—
(80%Imax) 9008.3	—
(90%Imax) 10134.3	—





House

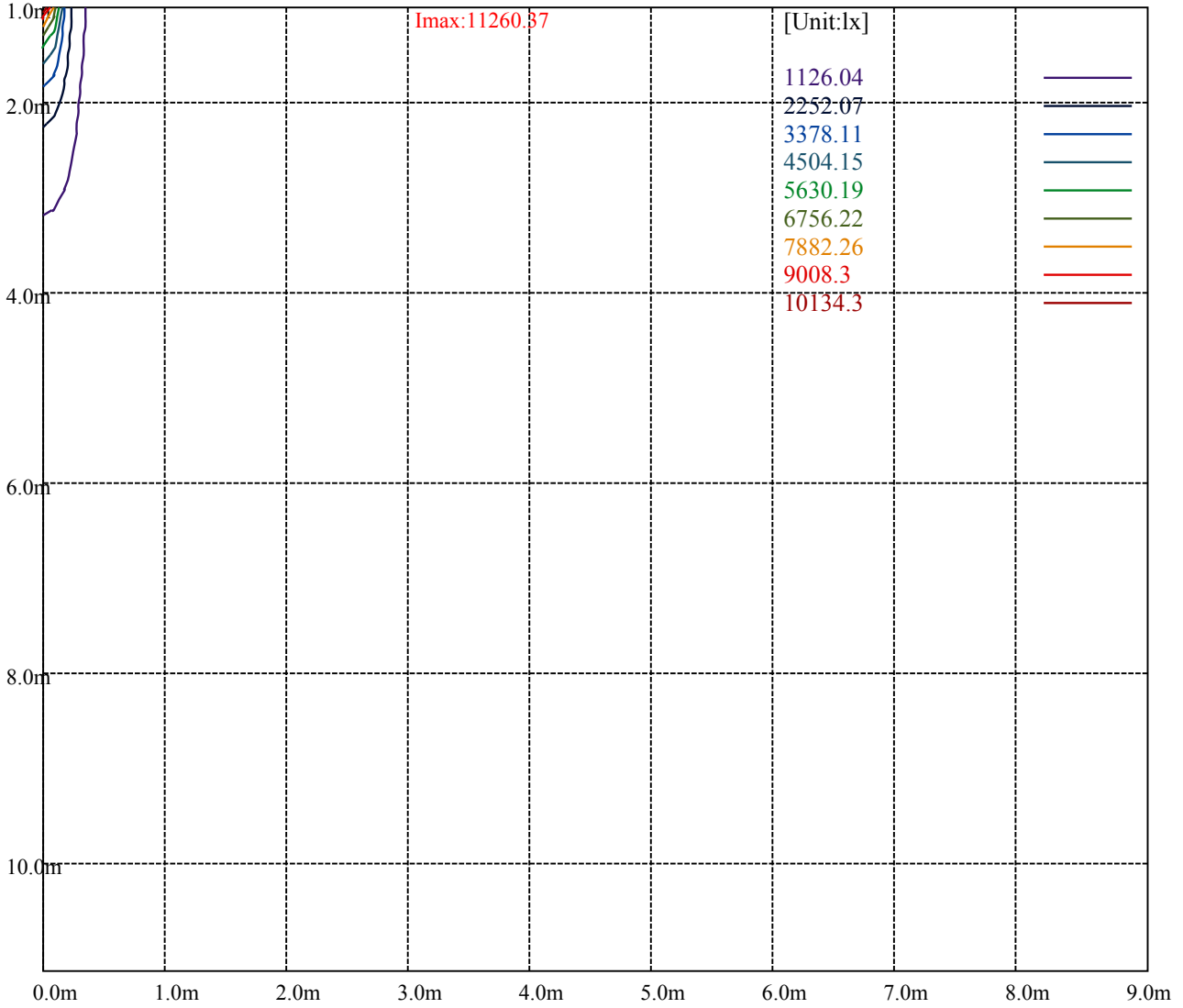
[Unit:cd]

Road

**Imax:11260.37**

(10%Imax)	1126.04	—
(20%Imax)	2252.07	—
(30%Imax)	3378.11	—
(40%Imax)	4504.15	—
(50%Imax)	5630.19	—
(60%Imax)	6756.22	—
(70%Imax)	7882.26	—
(80%Imax)	9008.3	—
(90%Imax)	10134.3	—





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

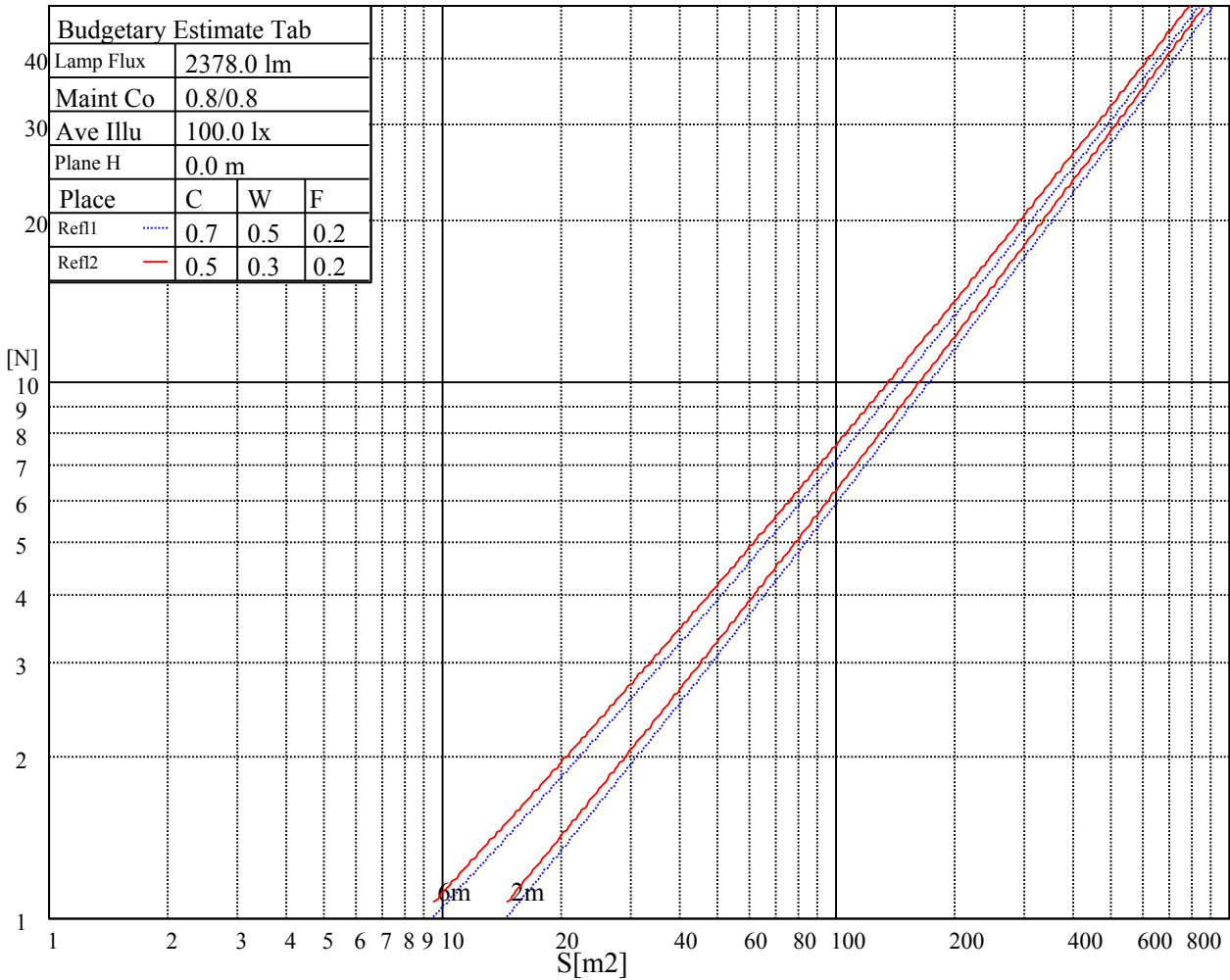
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

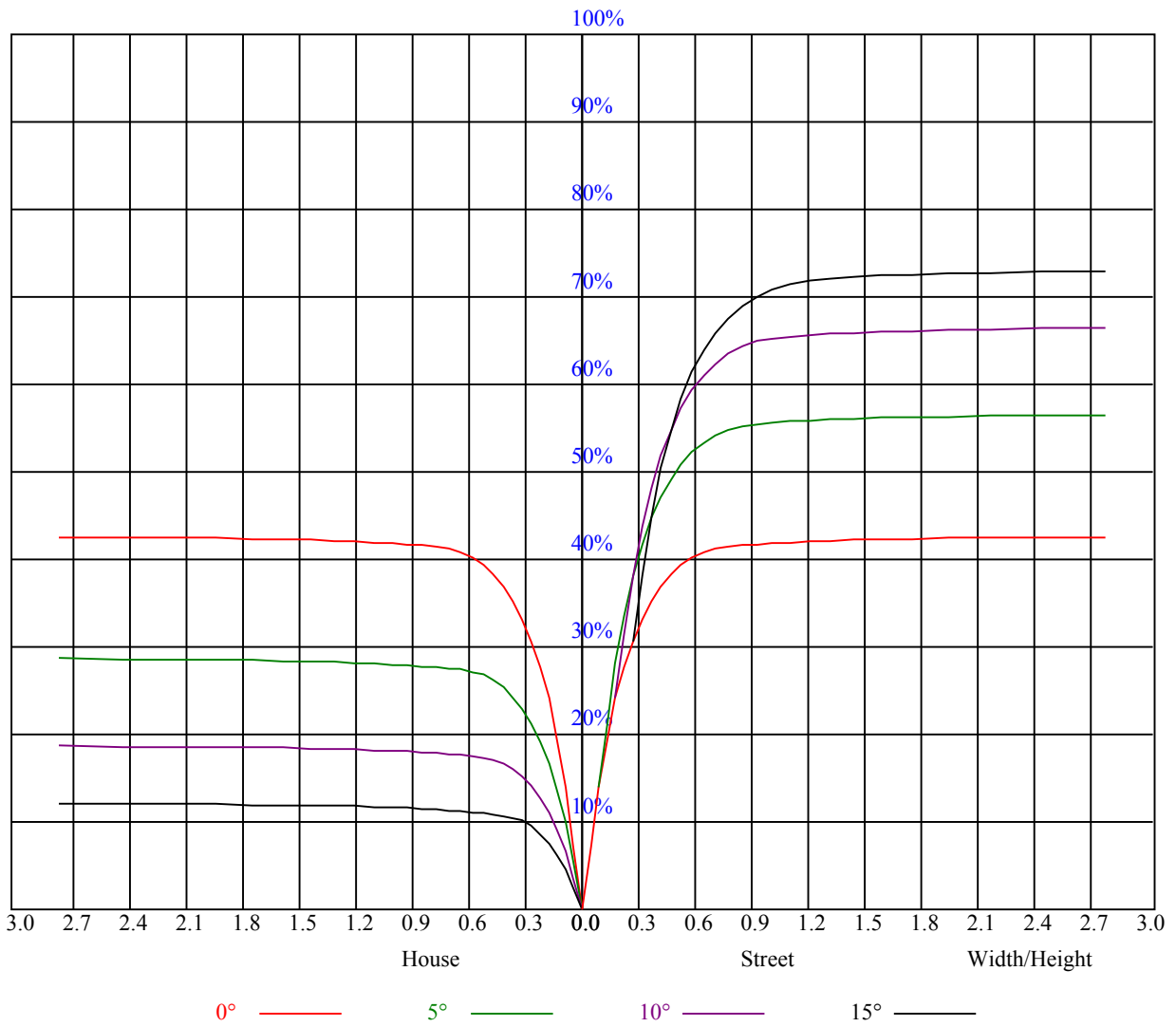


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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
	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	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
8H	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				

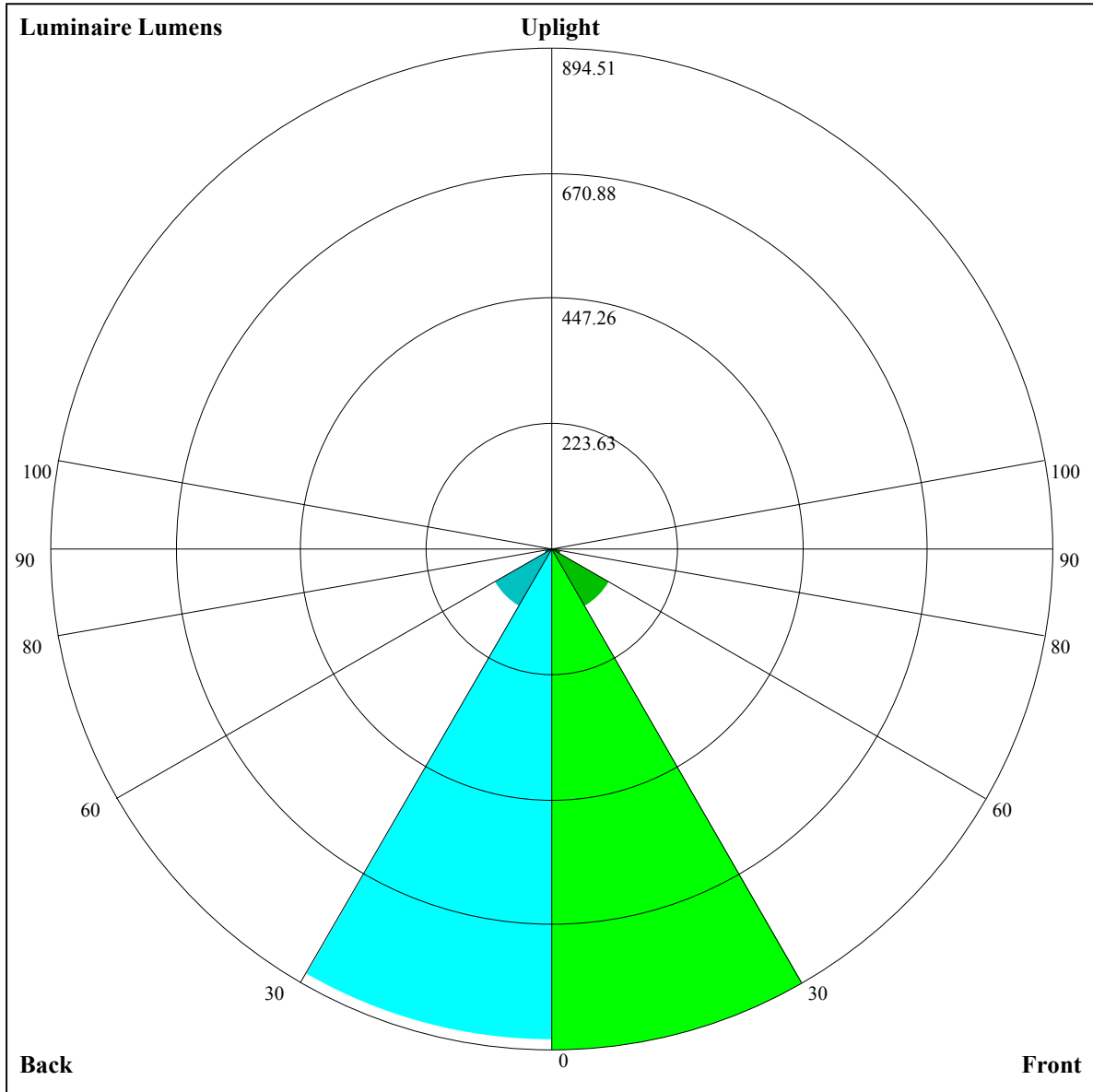
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 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	0.91	0.89	0.88	0.88	0.86	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.87	0.84	0.87	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	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	0.72	0.71
5	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.66
7	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
8	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57







Luminaire Lumens:

FL=894.51,FM=117.75,FH=15.87,FVH=5.3

BL=878.36,BM=117.27,BH=15.74,BVH=5.31

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	11318.31	11155.62	10781.66	10046.03	9296.36	8230.66	7327.66	6425.24	5361.30
45.0	11153.86	11335.28	11301.34	10887.58	10338.06	9629.94	8818.23	7711.57	6801.54
90.0	11346.40	11204.78	10863.00	10315.23	9422.77	8587.65	7478.06	6590.28	5730.00
135.0	11222.92	11299.00	11140.99	10601.41	9964.10	9185.16	8326.05	7194.81	6308.78
180.0	11318.31	11241.06	10774.05	10180.63	9439.15	8629.20	7508.50	6579.74	5692.54
225.0	11153.86	10736.01	9983.41	9243.69	8390.43	7250.41	6321.07	5459.62	4542.57
270.0	11346.40	11161.47	10768.20	10204.04	9315.08	8506.89	7613.25	6680.40	5794.37
315.0	11222.92	10817.94	10268.42	9580.19	8791.31	7925.76	6775.79	5864.01	4870.89
360.0	11318.31	11155.62	10781.66	10046.03	9296.36	8230.66	7327.66	6425.24	5361.30
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4647.33	4061.52	3607.39	3136.86	2825.52	2556.91	2329.25	2074.68	1898.53
45.0	5940.09	4975.06	4345.94	3723.85	3311.85	2970.08	2668.68	2352.08	2132.03
90.0	4966.86	4198.46	3711.56	3305.99	2881.71	2601.38	2355.00	2137.30	1904.38
135.0	5290.49	4603.44	4055.08	3501.46	3135.11	2826.70	2553.98	2259.61	2057.71
180.0	4738.04	4129.99	3648.35	3167.30	2849.52	2584.41	2292.97	2086.39	1913.16
225.0	3975.49	3528.97	3077.17	2782.80	2519.45	2292.38	2047.76	1877.46	1721.21
270.0	4811.19	4201.39	3604.46	3221.14	2899.26	2560.42	2328.67	2129.11	1899.11
315.0	4223.63	3731.45	3237.52	2920.92	2642.93	2349.15	2141.40	1954.12	1789.68
360.0	4647.33	4061.52	3607.39	3136.86	2825.52	2556.91	2329.25	2074.68	1898.53
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1744.03	1574.31	1451.42	1150.84	1150.84	1127.44	1037.14	917.63	839.15
45.0	1943.59	1780.90	1606.50	1485.94	1373.58	1279.95	1169.34	1081.55	965.09
90.0	1744.61	1602.40	1452.00	1271.75	1149.15	1125.10	1035.44	945.67	853.73
135.0	1877.46	1722.96	1549.73	1436.79	1330.27	1208.55	1121.93	1030.05	914.77
180.0	1714.18	1570.22	1452.00	1347.83	1223.76	1135.98	1048.78	959.83	858.00
225.0	1586.60	1433.27	1144.00	1144.00	1099.23	1012.67	899.49	825.81	777.12
270.0	1738.18	1593.63	1471.31	1334.37	1234.88	1141.25	1052.29	937.00	850.98
315.0	1607.09	1483.02	1372.41	1152.95	1152.95	1064.47	977.15	868.65	805.62
360.0	1744.03	1574.31	1451.42	1150.84	1150.84	1127.44	1037.14	917.63	839.15
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	788.42	753.48	720.24	670.49	597.11	505.11	380.28	282.49	194.12
45.0	879.07	821.13	771.97	743.29	699.99	601.67	513.89	419.66	326.61
90.0	806.38	770.92	742.30	674.94	596.05	506.34	415.16	298.99	211.68
135.0	845.71	797.72	754.41	726.32	670.14	589.38	478.77	386.31	317.25
180.0	804.16	766.12	729.83	681.85	594.06	501.60	400.94	300.86	300.86
225.0	741.83	714.62	661.48	576.51	461.68	368.87	279.50	199.33	130.97
270.0	797.72	750.90	721.64	650.83	570.07	482.87	389.82	311.40	311.40
315.0	765.47	727.14	683.07	609.04	499.02	406.67	316.61	230.81	138.70
360.0	788.42	753.48	720.24	670.49	597.11	505.11	380.28	282.49	194.12
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	114.82	83.28	73.68	68.53	64.49	59.46	55.42	52.09	48.87
45.0	303.21	197.45	92.47	79.18	72.28	67.83	63.67	58.99	54.43
90.0	139.99	86.67	76.72	69.93	65.72	61.39	57.12	52.38	49.28
135.0	317.25	114.29	84.33	76.90	70.17	65.90	61.33	56.30	52.38
180.0	123.48	86.96	76.20	69.52	65.25	61.10	56.77	52.32	48.92
225.0	87.55	79.47	73.50	67.48	61.62	57.18	53.31	49.86	46.00
270.0	124.59	84.92	73.27	68.12	64.37	60.28	55.30	51.97	48.75
315.0	92.47	76.84	71.81	66.13	62.33	58.23	53.55	49.98	46.41
360.0	114.82	83.28	73.68	68.53	64.49	59.46	55.42	52.09	48.87

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	45.06	42.49	40.15	38.33	36.11	34.82	33.53	32.54	31.66
45.0	50.74	46.88	44.18	41.49	38.92	36.75	35.35	33.83	32.71
90.0	46.29	43.07	40.73	38.74	36.87	35.52	33.77	32.54	31.66
135.0	48.57	45.53	42.96	40.50	38.62	36.34	35.00	33.77	32.89
180.0	45.88	42.78	40.20	37.98	36.17	34.88	33.59	32.42	31.60
225.0	43.48	40.97	38.98	36.75	35.41	33.94	32.95	31.89	31.13
270.0	45.35	43.01	40.26	38.51	36.69	35.41	33.71	32.95	32.07
315.0	43.72	41.55	38.98	37.22	35.76	34.41	33.30	32.25	31.60
360.0	45.06	42.49	40.15	38.33	36.11	34.82	33.53	32.54	31.66
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.13	30.14	29.44	28.44	27.39	25.98	25.05	23.58	22.06
45.0	31.60	31.13	30.49	29.61	28.73	27.86	26.34	25.22	23.29
90.0	31.13	30.55	29.67	28.68	27.74	26.28	25.11	23.35	22.36
135.0	31.95	31.37	30.72	29.73	28.97	27.56	26.28	25.11	23.06
180.0	31.02	30.26	29.44	28.56	27.92	26.22	25.22	23.76	21.95
225.0	30.26	29.67	28.62	27.74	26.34	25.46	23.88	22.12	20.60
270.0	31.25	30.49	30.02	29.14	28.21	26.74	25.75	23.88	22.59
315.0	30.90	30.20	29.38	28.32	27.15	25.87	24.81	22.88	21.59
360.0	31.13	30.14	29.44	28.44	27.39	25.98	25.05	23.58	22.06
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.54	19.37	18.20	16.91	16.15	15.27	14.63	14.16	13.64
45.0	22.12	20.54	19.31	17.79	16.80	16.04	14.98	14.46	13.93
90.0	20.72	19.14	17.85	16.62	15.74	14.92	14.40	13.81	13.52
135.0	21.95	20.25	19.25	17.50	16.74	15.92	15.16	14.51	14.05
180.0	20.54	19.14	17.67	16.56	15.74	14.81	14.34	13.87	13.46
225.0	19.14	18.08	16.68	15.86	15.04	14.51	13.87	13.52	13.11
270.0	21.07	19.37	18.08	16.97	15.92	15.10	14.63	14.10	13.64
315.0	20.07	18.67	17.32	16.56	15.63	14.92	14.46	14.05	13.69
360.0	20.54	19.37	18.20	16.91	16.15	15.27	14.63	14.16	13.64
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.34	12.99	12.70	12.35	12.06	11.70	11.41	11.12	10.83
45.0	13.58	13.11	12.82	12.52	12.17	11.94	11.65	11.29	11.06
90.0	13.11	12.76	12.52	12.23	12.00	11.70	11.53	11.41	11.24
135.0	13.75	13.28	13.05	12.70	12.52	12.29	12.17	12.47	12.82
180.0	13.05	12.82	12.52	12.29	11.94	11.70	11.35	11.06	10.77
225.0	12.82	12.52	12.17	11.94	11.65	11.29	11.06	10.83	10.53
270.0	13.28	13.05	12.70	12.41	12.11	11.82	11.59	11.41	11.12
315.0	13.23	12.99	12.70	12.29	12.06	11.76	11.82	11.94	11.18
360.0	13.34	12.99	12.70	12.35	12.06	11.70	11.41	11.12	10.83
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.59	10.24	10.01	9.77	9.60	9.42	9.19	9.01	8.84
45.0	10.83	10.48	10.24	9.95	9.71	9.48	9.31	9.13	8.95
90.0	10.94	10.53	10.12	9.83	9.54	9.36	9.13	9.01	8.78
135.0	12.64	11.82	10.42	10.01	9.77	9.54	9.31	9.13	8.95
180.0	10.48	10.24	9.95	9.71	9.54	9.31	9.07	8.90	8.72
225.0	10.24	10.01	9.77	9.54	9.31	9.13	8.95	8.78	8.78
270.0	10.89	10.48	10.01	9.83	9.60	9.36	9.19	8.95	8.72
315.0	10.65	10.18	9.95	9.66	9.54	9.25	9.07	8.90	8.78
360.0	10.59	10.24	10.01	9.77	9.60	9.42	9.19	9.01	8.84

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>8.78</b>
<b>45.0</b>	<b>8.72</b>
<b>90.0</b>	<b>8.78</b>
<b>135.0</b>	<b>8.78</b>
<b>180.0</b>	<b>8.72</b>
<b>225.0</b>	<b>8.72</b>
<b>270.0</b>	<b>8.78</b>
<b>315.0</b>	<b>8.84</b>
<b>360.0</b>	<b>8.78</b>