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NT

Client:

LumCAT: 2-2643-L

Luminaire: 92.70.411.00

Report No: 20231027-B019

Ballast type: AC

Test No: 20231027-C019

Voltage(V): 34.970

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.401

Lamp flux(lm): 2255.2

Power (W): 14.022

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2142.06, Efficiency(%): 94.98% , Luminous Efficacy(lm/W): 152.76

Central intensity(cd): 12403.360, Maximum intensity(cd): 12403.360

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

Beam Angle(50%Imax): [C0/180]Total=17.0

[C90/270]Total=17.0

Field angle(10%Imax): [C0/180]Total=43.2

[C90/270]Total=43.2

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

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(%): 94.98%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.055%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/10/27  
Humidity(%): 0.0%

Operator: NT07  
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12403.358	0.000	0	0.00%	0.00%
1.0	12021.833	11.687	11.687	0.52%	0.55%
2.0	11538.804	33.816	45.503	1.50%	2.12%
3.0	11167.796	54.307	99.81	2.41%	4.66%
4.0	10522.097	72.603	172.413	3.22%	8.05%
5.0	9572.229	86.445	258.858	3.83%	12.08%
6.0	8669.273	95.864	354.722	4.25%	16.56%
7.0	7619.769	101.106	455.828	4.48%	21.28%
8.0	6673.499	102.294	558.122	4.54%	26.06%
9.0	5715.190	100.404	658.525	4.45%	30.74%
10.0	4929.999	96.335	754.861	4.27%	35.24%
11.0	4189.922	91.127	845.987	4.04%	39.49%
12.0	3621.994	85.395	931.383	3.79%	43.48%
13.0	3134.744	80.185	1011.568	3.56%	47.22%
14.0	2776.883	75.668	1087.236	3.36%	50.76%
15.0	2566.885	73.362	1160.598	3.25%	54.18%
16.0	2288.456	71.144	1231.742	3.15%	57.50%
17.0	1966.229	66.257	1297.999	2.94%	60.60%
18.0	1780.310	61.772	1359.772	2.74%	63.48%
19.0	1622.968	59.210	1418.982	2.63%	66.24%
20.0	1479.325	56.781	1475.762	2.52%	68.89%
21.0	1319.298	53.739	1529.501	2.38%	71.40%
22.0	1195.001	50.526	1580.027	2.24%	73.76%
23.0	1127.837	48.739	1628.767	2.16%	76.04%
24.0	1039.949	47.396	1676.162	2.10%	78.25%
25.0	945.799	45.152	1721.314	2.00%	80.36%
26.0	859.468	42.614	1763.927	1.89%	82.35%
27.0	770.107	39.868	1803.795	1.77%	84.21%
28.0	678.787	36.683	1840.478	1.63%	85.92%
29.0	590.685	33.213	1873.691	1.47%	87.47%
30.0	509.350	29.701	1903.392	1.32%	88.86%
31.0	439.293	26.399	1929.791	1.17%	90.09%
32.0	371.243	23.221	1953.012	1.03%	91.17%
33.0	307.558	19.998	1973.01	0.89%	92.11%
34.0	263.601	17.285	1990.295	0.77%	92.91%
35.0	234.547	15.471	2005.766	0.69%	93.64%
36.0	188.638	13.474	2019.24	0.60%	94.27%
37.0	134.530	10.540	2029.78	0.47%	94.76%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	107.850	8.090	2037.87	0.36%	95.14%
39.0	88.628	6.706	2044.576	0.30%	95.45%
40.0	73.309	5.648	2050.224	0.25%	95.71%
41.0	61.491	4.800	2055.024	0.21%	95.94%
42.0	52.593	4.145	2059.169	0.18%	96.13%
43.0	45.943	3.650	2062.819	0.16%	96.30%
44.0	40.498	3.263	2066.082	0.14%	96.45%
45.0	36.838	2.972	2069.054	0.13%	96.59%
46.0	33.662	2.757	2071.811	0.12%	96.72%
47.0	31.026	2.573	2074.384	0.11%	96.84%
48.0	28.846	2.420	2076.804	0.11%	96.95%
49.0	27.026	2.294	2079.099	0.10%	97.06%
50.0	25.428	2.187	2081.286	0.10%	97.16%
51.0	24.100	2.095	2083.381	0.09%	97.26%
52.0	23.034	2.023	2085.404	0.09%	97.35%
53.0	22.162	1.966	2087.37	0.09%	97.45%
54.0	21.346	1.918	2089.287	0.09%	97.54%
55.0	20.737	1.878	2091.166	0.08%	97.62%
56.0	20.322	1.855	2093.021	0.08%	97.71%
57.0	19.955	1.842	2094.863	0.08%	97.80%
58.0	19.747	1.836	2096.699	0.08%	97.88%
59.0	19.644	1.842	2098.54	0.08%	97.97%
60.0	19.588	1.853	2100.394	0.08%	98.05%
61.0	19.491	1.865	2102.259	0.08%	98.14%
62.0	19.381	1.873	2104.132	0.08%	98.23%
63.0	19.118	1.872	2106.004	0.08%	98.32%
64.0	18.633	1.852	2107.856	0.08%	98.40%
65.0	18.011	1.813	2109.67	0.08%	98.49%
66.0	17.353	1.764	2111.434	0.08%	98.57%
67.0	16.585	1.707	2113.141	0.08%	98.65%
68.0	15.810	1.641	2114.782	0.07%	98.73%
69.0	15.167	1.580	2116.362	0.07%	98.80%
70.0	14.600	1.529	2117.891	0.07%	98.87%
71.0	14.060	1.481	2119.372	0.07%	98.94%
72.0	13.631	1.440	2120.812	0.06%	99.01%
73.0	13.271	1.407	2122.219	0.06%	99.07%
74.0	12.911	1.376	2123.595	0.06%	99.14%
75.0	12.600	1.348	2124.943	0.06%	99.20%

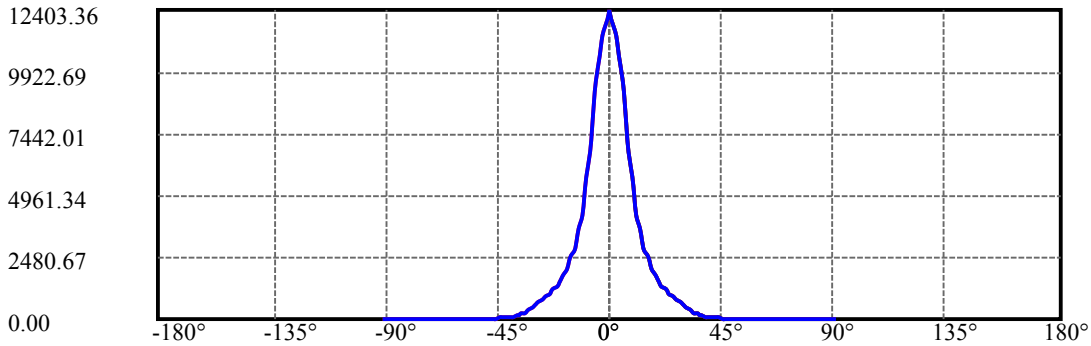
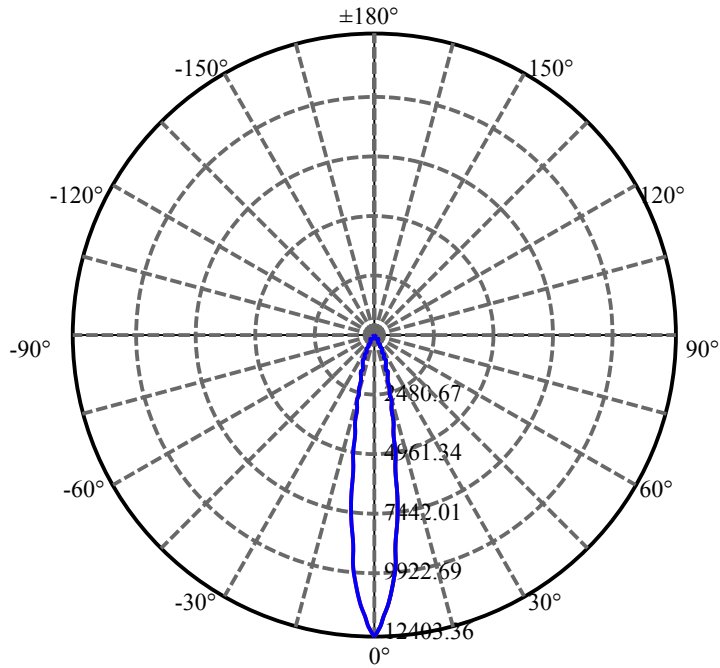
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.302	1.322	2126.265	0.06%	99.26%
77.0	11.977	1.294	2127.56	0.06%	99.32%
78.0	11.714	1.268	2128.828	0.06%	99.38%
79.0	11.417	1.243	2130.071	0.06%	99.44%
80.0	11.112	1.215	2131.285	0.05%	99.50%
81.0	10.835	1.187	2132.472	0.05%	99.55%
82.0	10.538	1.159	2133.631	0.05%	99.61%
83.0	10.268	1.131	2134.762	0.05%	99.66%
84.0	10.047	1.107	2135.869	0.05%	99.71%
85.0	9.818	1.084	2136.953	0.05%	99.76%
86.0	9.611	1.062	2138.015	0.05%	99.81%
87.0	9.424	1.042	2139.057	0.05%	99.86%
88.0	9.209	1.021	2140.078	0.05%	99.91%
89.0	9.030	1.000	2141.077	0.04%	99.95%
90.0	8.953	0.986	2142.063	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1903.39	84.40%	88.86%
0-40	2050.22	90.91%	95.71%
0-60	2100.39	93.14%	98.05%
0-90	2141.08	94.94%	99.95%
0-120	2141.08	94.94%	99.95%
0-180	2142.06	94.98%	100.00%
60-90	40.68	1.80%	1.90%
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%
0-24.83	1713.65	75.99%	80.00%

ZONAL LUMEN SUMMARY

0-10	754.86
10-20	720.90
20-30	427.63
30-40	146.83
40-50	31.06
50-60	19.11
60-70	17.50
70-80	13.39
80-90	9.79
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



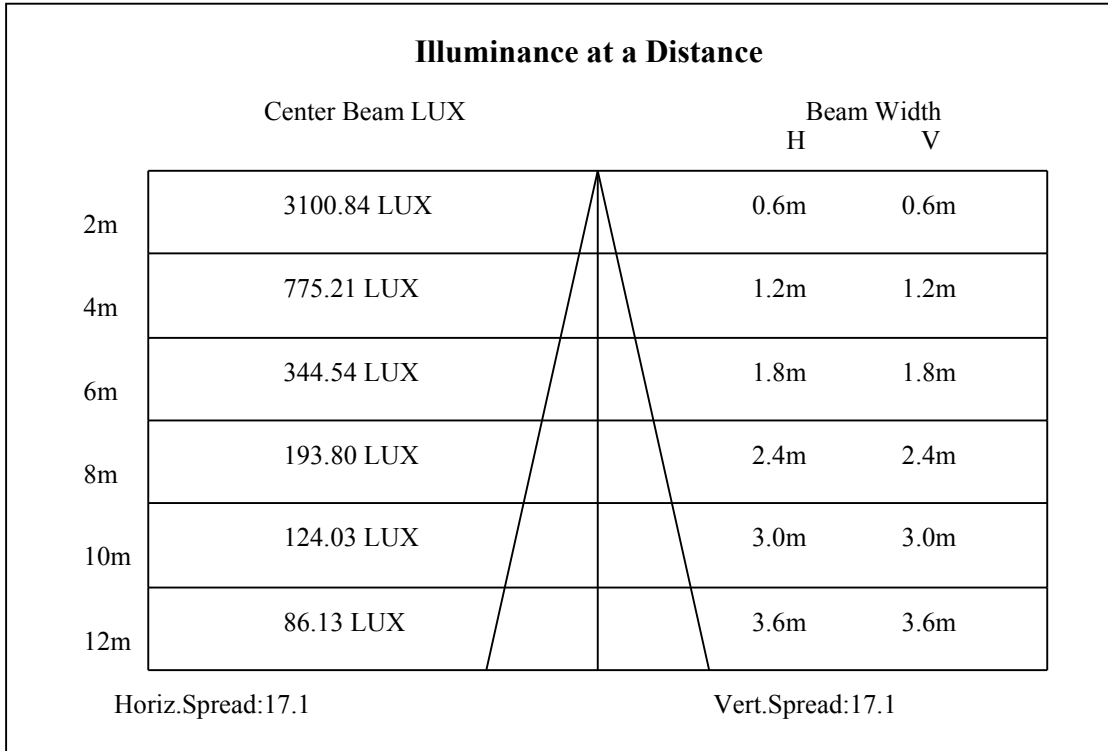
C0(Max): —————

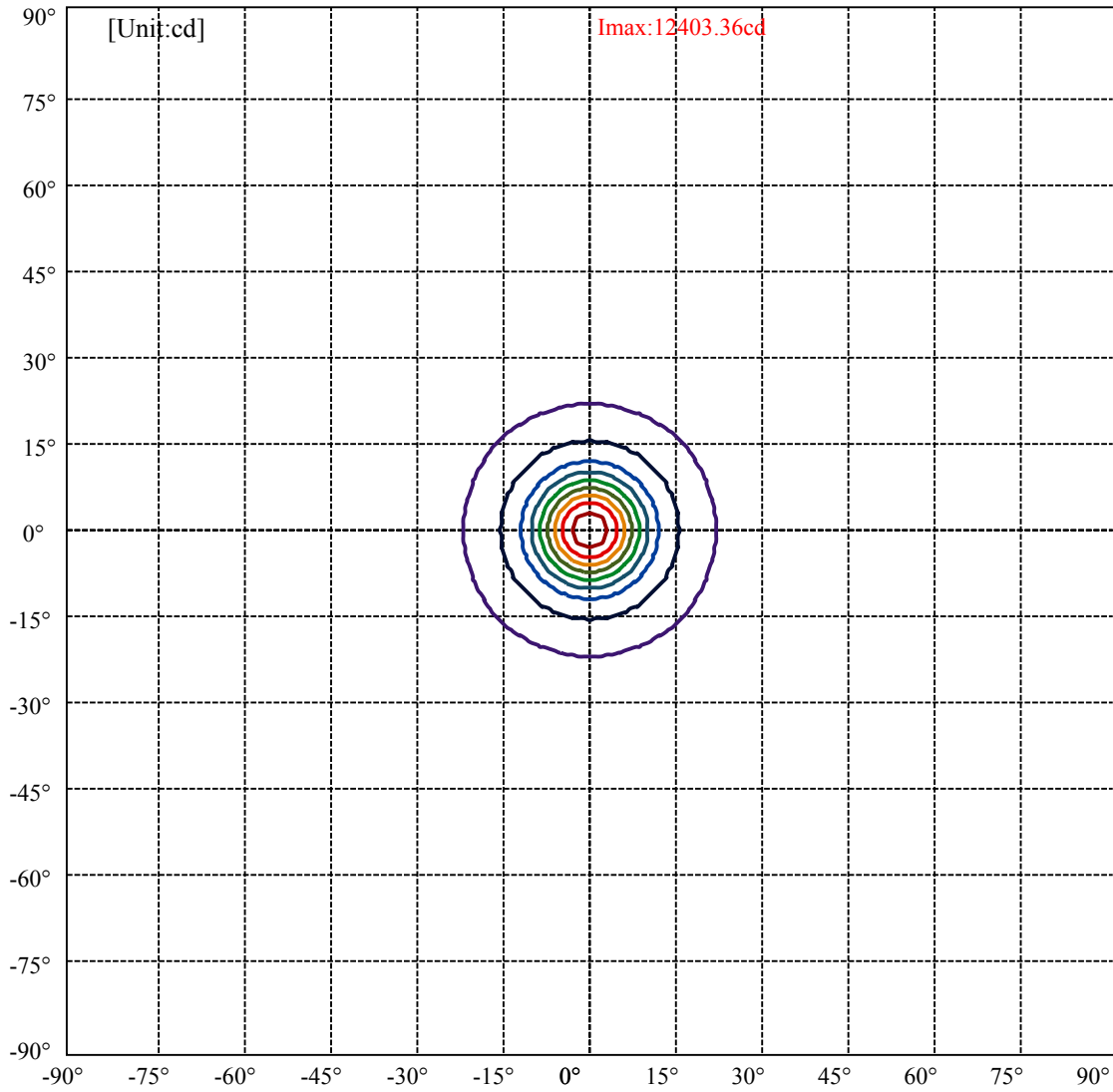
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:21.6 Right:21.6  
:C90/270Left:21.6 Right:21.6

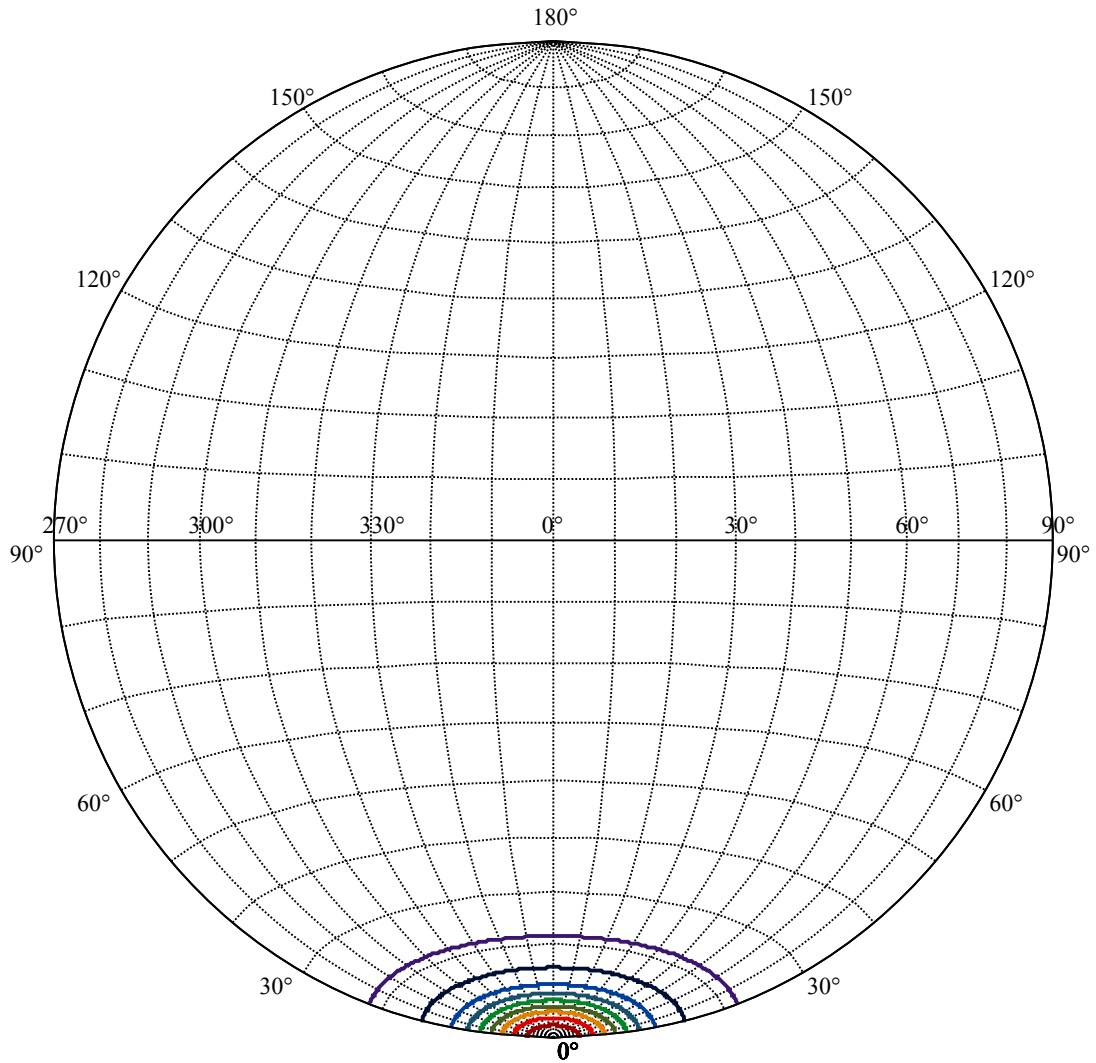
Beam Angle(50%Imax):C0/180Left:8.5 Right:8.5  
:C90/270Left:8.5 Right:8.5





(10%Imax) 1240.34	—
(20%Imax) 2480.67	—
(30%Imax) 3721.01	—
(40%Imax) 4961.34	—
(50%Imax) 6201.68	—
(60%Imax) 7442.01	—
(70%Imax) 8682.35	—
(80%Imax) 9922.69	—
(90%Imax) 11163	—





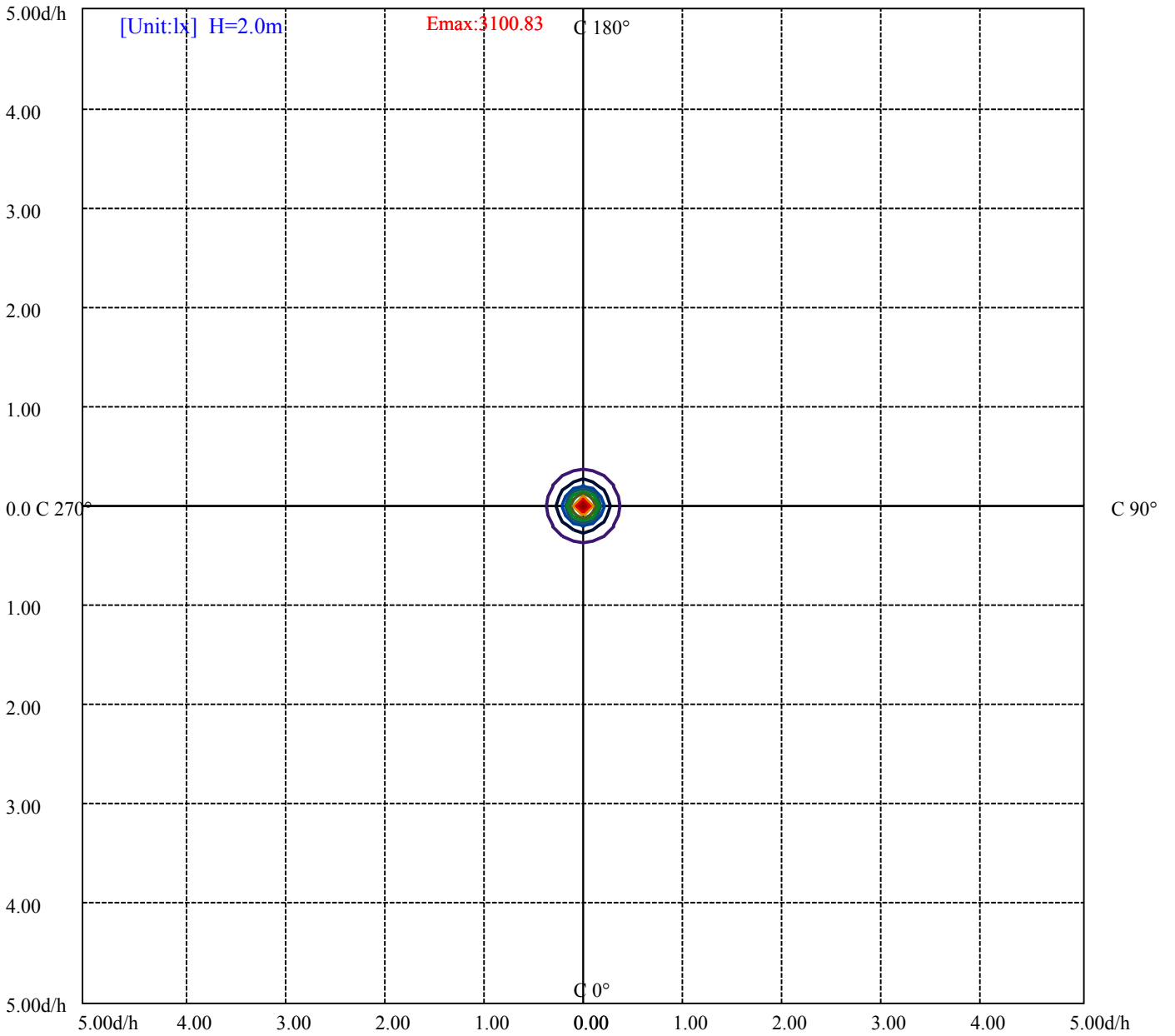
House

[Unit:cd]

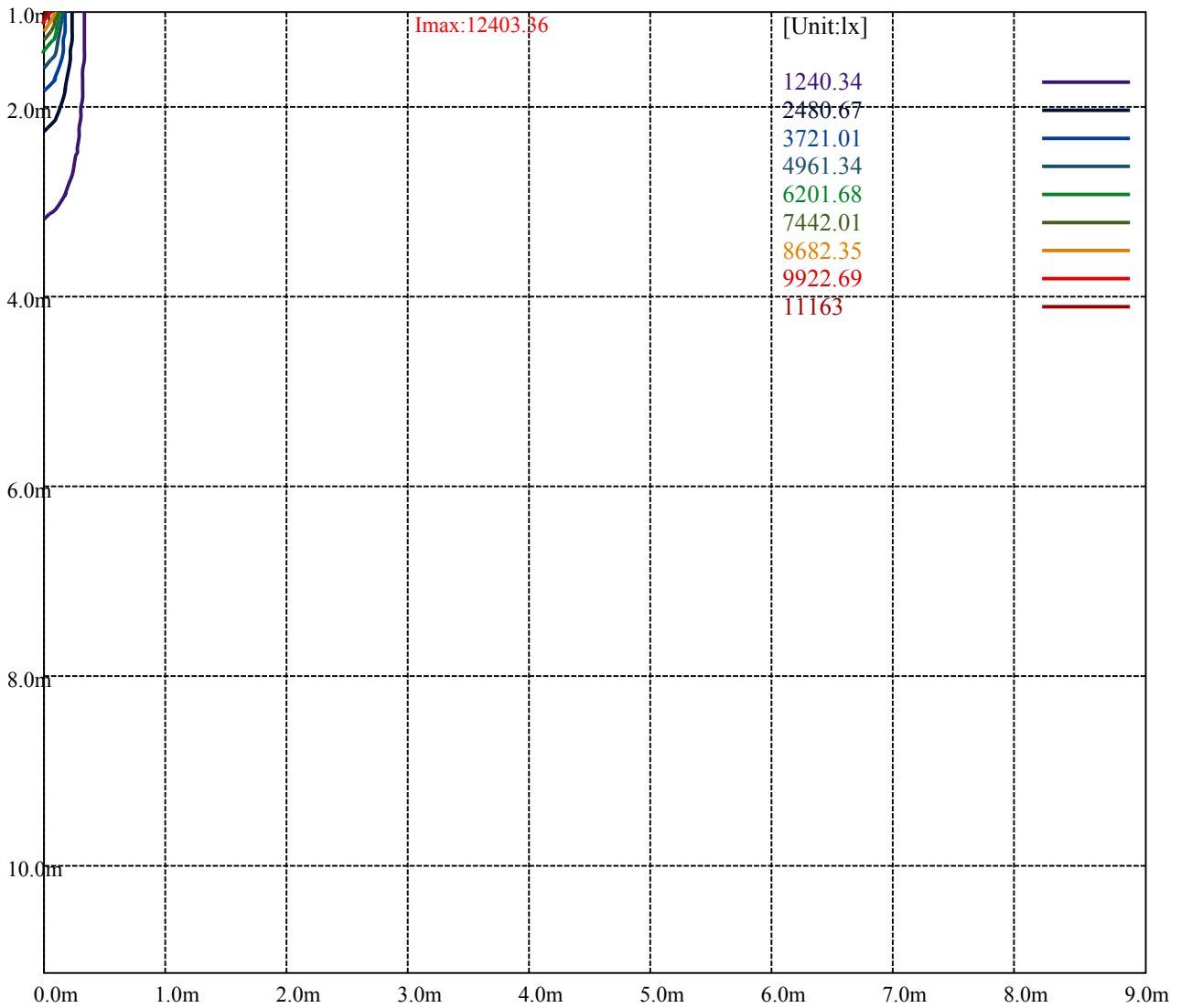
Road

**Imax:12403.36**

(10%Imax) 1240.34	—
(20%Imax) 2480.67	—
(30%Imax) 3721.01	—
(40%Imax) 4961.34	—
(50%Imax) 6201.68	—
(60%Imax) 7442.01	—
(70%Imax) 8682.35	—
(80%Imax) 9922.69	—
(90%Imax) 11163	—



(10%Emax) 310.0825	—
(20%Emax) 620.165	—
(30%Emax) 930.2475	—
(40%Emax) 1240.33	—
(50%Emax) 1550.412	—
(60%Emax) 1860.495	—
(70%Emax) 2170.577	—
(80%Emax) 2480.66	—
(90%Emax) 2790.75	—



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

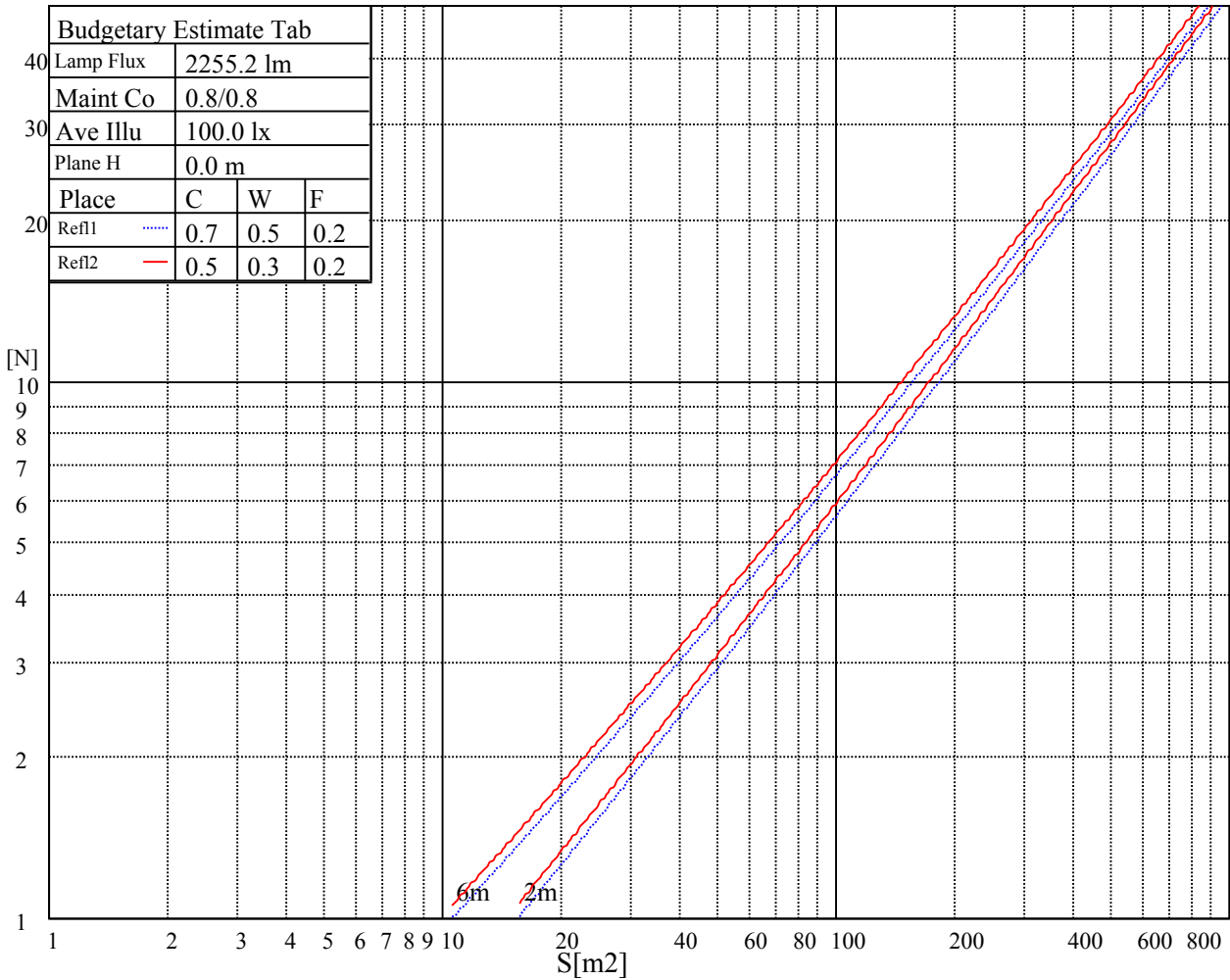
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

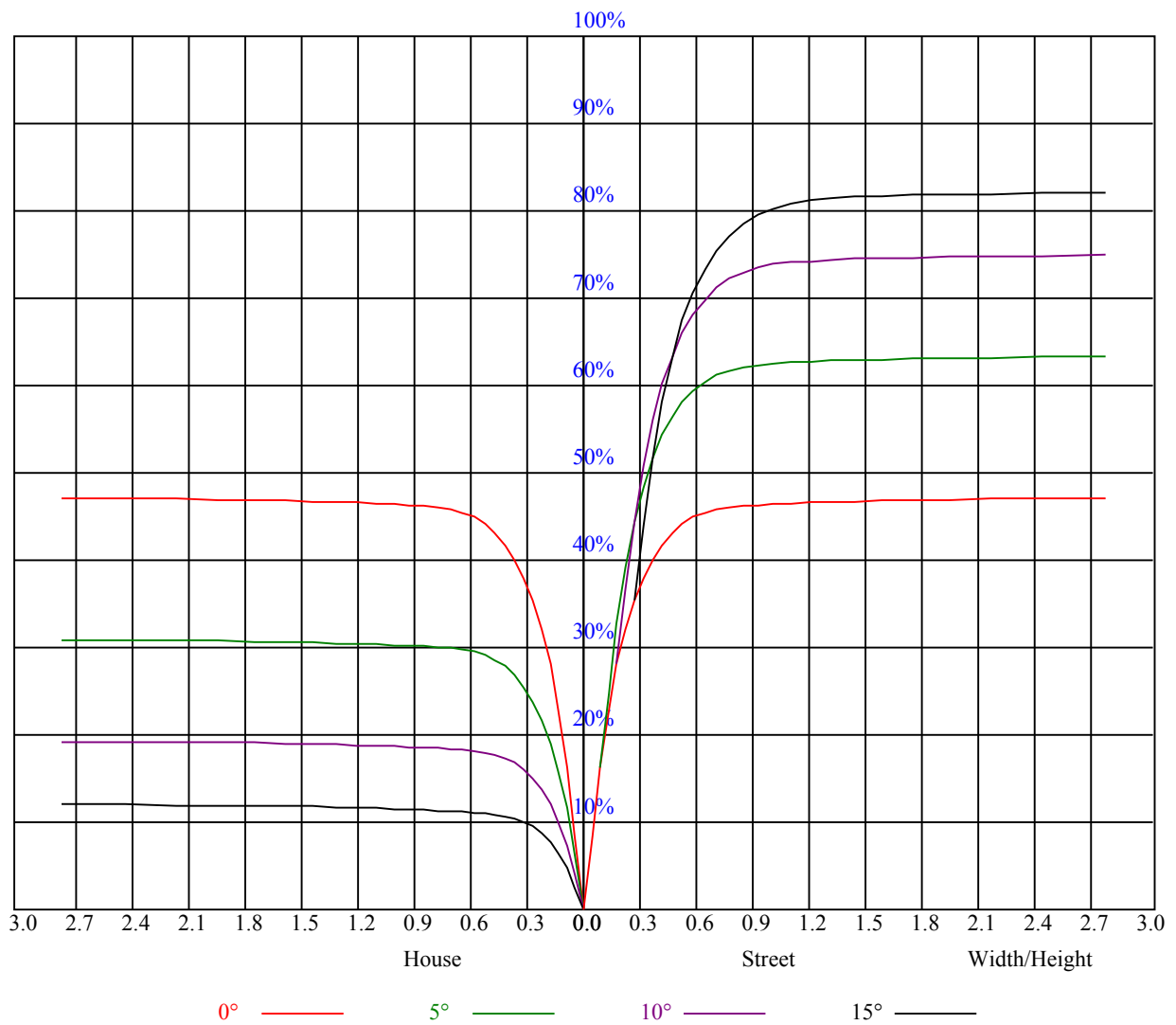


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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 RHOF=20 CU															
0	1.13	1.13	1.13	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.03	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.98	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.91	0.89	0.88	0.87
3	0.96	0.92	0.89	0.95	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.88	0.86	0.84	0.83
4	0.92	0.88	0.84	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
5	0.88	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.77
6	0.85	0.80	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.78	0.75	0.74
7	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
8	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
9	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.68
10	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.67	0.66





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	12294.03	10991.01	10991.01	10412.57	9572.30	8411.53	7483.81	6564.38	5699.21
45.0	12487.77	12321.71	11945.31	11242.32	10472.90	9598.31	8668.37	7489.34	6553.87
90.0	12349.39	10932.34	10932.34	10540.99	9694.08	8492.35	7534.18	6378.40	5534.81
135.0	12482.24	12299.57	11923.17	11358.56	10428.62	9548.50	8618.56	7445.06	6531.72
180.0	12294.03	12482.24	12371.53	11995.13	11458.20	10572.54	9736.70	8823.36	7865.75
225.0	12487.77	12343.85	10905.21	10905.21	10507.77	9657.54	8733.14	7535.84	6597.60
270.0	12349.39	12493.31	12360.46	12006.20	11347.49	10633.43	9803.12	8900.86	7716.29
315.0	12482.24	12310.64	10881.41	10881.41	10695.42	9663.63	8776.31	7820.91	6888.76
360.0	12294.03	10991.01	10991.01	10412.57	9572.30	8411.53	7483.81	6564.38	5699.21
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4764.84	4122.74	3582.48	3136.89	2702.36	2421.17	2178.72	1927.41	1767.99
45.0	5695.89	4943.08	4134.91	3586.91	3149.62	2878.39	2878.39	2182.04	1979.44
90.0	4783.10	3992.66	3481.19	3056.63	2717.31	2372.46	2145.51	1948.45	1791.80
135.0	5491.08	4765.94	4145.98	3492.81	3077.66	2811.96	2811.96	2206.39	1954.54
180.0	6681.18	5795.52	5009.50	4300.97	3597.98	3144.08	2861.78	2861.78	2187.02
225.0	5714.71	4910.97	4074.02	3544.29	3109.77	2752.73	2389.61	2158.79	1910.81
270.0	6808.49	5928.37	4932.01	4234.55	3553.70	3110.87	2834.10	2834.10	2156.58
315.0	5782.24	4980.72	4159.27	3622.89	3169.55	2723.40	2435.00	2188.68	1981.66
360.0	4764.84	4122.74	3582.48	3136.89	2702.36	2421.17	2178.72	1927.41	1767.99
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1626.29	1460.23	1341.77	1092.35	1092.35	1027.86	944.94	838.39	754.19
45.0	1772.98	1629.61	1466.87	1348.41	1242.13	1145.27	1036.77	950.97	864.07
90.0	1613.00	1483.48	1357.82	1095.89	1095.89	1029.36	919.70	837.00	752.37
135.0	1792.90	1650.64	1484.58	1362.81	1253.21	1155.23	1046.74	959.28	849.68
180.0	1976.68	1764.12	1617.43	1487.35	1339.00	1236.05	1143.61	1042.31	960.38
225.0	1747.51	1604.70	1447.50	1330.15	1089.47	1089.47	1027.81	945.38	863.29
270.0	1946.79	1772.98	1631.27	1467.42	1349.52	1241.03	1144.16	1036.77	953.19
315.0	1766.33	1617.99	1487.35	1370.00	1098.44	1098.44	1055.87	956.29	878.57
360.0	1626.29	1460.23	1341.77	1092.35	1092.35	1027.86	944.94	838.39	754.19
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	666.35	586.58	494.42	425.17	360.96	302.89	240.35	198.11	154.55
45.0	778.27	672.55	593.94	520.32	451.13	371.42	314.96	289.50	289.50
90.0	646.75	568.87	496.58	418.25	361.24	307.49	259.66	207.02	171.49
135.0	761.11	671.99	569.59	499.84	433.97	371.42	300.02	287.29	287.29
180.0	879.57	795.43	688.05	607.23	532.50	442.28	371.98	314.41	286.73
225.0	761.17	677.47	594.44	516.67	430.10	366.16	306.94	255.18	199.44
270.0	871.82	767.20	683.06	580.66	508.70	438.95	357.03	300.57	286.73
315.0	795.82	690.20	605.40	506.65	435.74	369.32	309.54	256.73	200.66
360.0	666.35	586.58	494.42	425.17	360.96	302.89	240.35	198.11	154.55
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	127.31	105.23	83.14	69.47	58.34	49.93	42.40	38.14	34.76
45.0	171.98	135.28	111.09	91.28	72.18	60.89	52.42	46.16	40.52
90.0	141.26	115.91	90.00	75.11	63.38	52.70	46.66	41.13	37.53
135.0	168.72	139.38	109.77	91.28	76.89	62.88	54.19	46.00	41.24
180.0	286.73	165.01	129.14	106.28	88.34	74.51	60.78	51.98	45.22
225.0	162.79	125.98	102.85	85.08	68.53	59.28	52.03	46.16	40.30
270.0	286.73	156.48	128.48	106.00	88.23	71.46	61.55	53.25	45.39
315.0	163.57	132.96	108.33	84.52	70.58	60.28	50.70	44.73	39.02
360.0	127.31	105.23	83.14	69.47	58.34	49.93	42.40	38.14	34.76

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	31.99	29.23	27.34	25.74	24.13	23.08	22.14	21.20	20.59
45.0	37.03	34.10	31.61	28.95	27.18	25.41	24.13	23.14	22.09
90.0	34.54	32.05	29.39	27.62	26.13	24.80	23.53	22.64	21.92
135.0	37.64	33.93	31.50	29.39	27.57	25.74	24.41	23.41	22.58
180.0	40.30	35.87	33.05	30.67	28.17	26.51	25.08	23.58	22.58
225.0	36.75	33.93	31.50	28.95	27.23	25.68	24.13	23.14	22.20
270.0	40.85	37.31	33.71	31.33	29.28	27.07	25.63	24.36	23.36
315.0	35.59	32.88	30.11	28.12	26.51	25.13	23.75	22.81	21.98
360.0	31.99	29.23	27.34	25.74	24.13	23.08	22.14	21.20	20.59
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.04	19.48	19.21	19.04	18.99	18.93	18.88	18.82	18.71
45.0	21.37	20.81	20.31	19.87	19.71	19.65	19.65	19.54	19.48
90.0	21.20	20.76	20.43	20.20	20.09	20.15	19.93	19.82	19.65
135.0	21.59	21.03	20.59	20.15	19.98	19.82	19.87	19.65	19.60
180.0	21.70	20.87	20.37	19.93	19.60	19.37	19.26	19.26	19.21
225.0	21.31	20.76	20.43	19.98	19.82	19.76	19.71	19.54	19.37
270.0	22.25	21.59	21.09	20.65	20.26	20.04	19.98	19.98	19.82
315.0	21.31	20.59	20.15	19.82	19.54	19.43	19.43	19.32	19.21
360.0	20.04	19.48	19.21	19.04	18.99	18.93	18.88	18.82	18.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.21	17.55	17.05	16.33	15.50	14.83	14.28	13.84	13.34
45.0	19.26	18.65	17.99	17.38	16.50	15.72	15.11	14.45	13.95
90.0	19.15	18.16	17.55	16.83	16.00	15.22	14.67	14.23	13.73
135.0	19.43	18.99	18.21	17.60	16.72	15.94	15.33	14.78	14.17
180.0	19.10	18.93	18.65	17.82	17.27	16.50	15.72	15.11	14.45
225.0	19.21	18.82	17.88	17.33	16.61	15.78	15.11	14.50	14.06
270.0	19.54	19.32	18.82	18.16	17.33	16.72	15.89	15.28	14.67
315.0	19.04	18.65	17.93	17.38	16.77	15.78	15.22	14.61	14.12
360.0	18.21	17.55	17.05	16.33	15.50	14.83	14.28	13.84	13.34
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.06	12.73	12.45	12.12	11.90	11.57	11.35	11.02	10.74
45.0	13.56	13.23	12.84	12.57	12.29	12.01	11.73	11.46	11.18
90.0	13.34	13.01	12.68	12.45	12.07	11.79	11.51	11.24	10.85
135.0	13.73	13.34	12.95	12.68	12.29	12.01	11.73	11.46	11.13
180.0	13.95	13.56	13.17	12.84	12.51	12.23	11.96	11.57	11.35
225.0	13.62	13.23	12.90	12.57	12.29	11.90	11.68	11.40	11.13
270.0	14.17	13.78	13.34	13.01	12.73	12.34	12.07	11.79	11.46
315.0	13.62	13.28	12.95	12.57	12.34	11.96	11.68	11.40	11.07
360.0	13.06	12.73	12.45	12.12	11.90	11.57	11.35	11.02	10.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.52	10.24	10.02	9.85	9.63	9.41	9.19	8.97	8.97
45.0	10.85	10.57	10.24	10.07	9.80	9.63	9.41	9.13	8.91
90.0	10.63	10.30	10.07	9.85	9.69	9.47	9.24	9.02	8.97
135.0	10.85	10.52	10.24	10.02	9.80	9.58	9.47	9.19	8.86
180.0	11.07	10.79	10.41	10.19	9.96	9.74	9.58	9.41	9.19
225.0	10.85	10.52	10.30	10.07	9.85	9.63	9.47	9.30	9.08
270.0	11.13	10.85	10.57	10.30	10.02	9.80	9.63	9.41	9.19
315.0	10.79	10.52	10.30	10.02	9.80	9.63	9.41	9.24	9.08
360.0	10.52	10.24	10.02	9.85	9.63	9.41	9.19	8.97	8.97

Intensity data(cd)

C/γ(°)	90.0
0.0	8.97
45.0	8.97
90.0	8.97
135.0	8.97
180.0	8.97
225.0	8.91
270.0	8.97
315.0	8.91
360.0	8.97