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NT

Client:

LumCAT: 2-2646-L

Luminaire: 92.70.412.00

Report No: 20231116-B009

Ballast type: AC

Test No: 20231116-C009

Voltage(V): 34.590

LampCAT: Fortimo\_SLM\_C\_1210

Current(A): 0.720

Lamp flux(lm): 4030.4

Power (W): 24.904

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3625.47, Efficiency(%): 89.95% , Luminous Efficacy(lm/W): 145.58

Central intensity(cd): 6288.584, Maximum intensity(cd): 6288.584

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

Beam Angle(50%Imax): [C0/180]Total=47.0

[C90/270]Total=47.0

Field angle(10%Imax): [C0/180]Total=67.0

[C90/270]Total=67.0

Maximum s/h(1/2): C0\_180=0.74 C90\_270=0.74

Maximum s/h(1/4): C0\_180=0.73 C90\_270=0.73

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.95%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.967%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/16  
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	6288.584	0.000	0	0.00%	0.00%
1.0	6272.324	6.010	6.01	0.15%	0.17%
2.0	6228.318	17.942	23.952	0.45%	0.66%
3.0	6167.982	29.648	53.6	0.74%	1.48%
4.0	6090.833	41.034	94.634	1.02%	2.61%
5.0	6000.676	52.017	146.651	1.29%	4.05%
6.0	5897.926	62.530	209.182	1.55%	5.77%
7.0	5794.207	72.573	281.755	1.80%	7.77%
8.0	5686.614	82.166	363.921	2.04%	10.04%
9.0	5575.353	91.272	455.193	2.26%	12.56%
10.0	5467.206	99.931	555.124	2.48%	15.31%
11.0	5344.528	108.031	663.155	2.68%	18.29%
12.0	5227.317	115.565	778.721	2.87%	21.48%
13.0	5100.419	122.564	901.285	3.04%	24.86%
14.0	4961.620	128.793	1030.078	3.20%	28.41%
15.0	4821.921	134.313	1164.391	3.33%	32.12%
16.0	4668.523	139.062	1303.452	3.45%	35.95%
17.0	4497.826	142.745	1446.197	3.54%	39.89%
18.0	4320.694	145.398	1591.595	3.61%	43.90%
19.0	4119.761	146.847	1738.442	3.64%	47.95%
20.0	3906.650	146.906	1885.348	3.64%	52.00%
21.0	3699.143	146.047	2031.394	3.62%	56.03%
22.0	3491.221	144.493	2175.888	3.59%	60.02%
23.0	3260.189	141.663	2317.55	3.51%	63.92%
24.0	3039.328	137.730	2455.28	3.42%	67.72%
25.0	2806.082	132.912	2588.192	3.30%	71.39%
26.0	2555.537	126.562	2714.754	3.14%	74.88%
27.0	2271.643	118.098	2832.852	2.93%	78.14%
28.0	1988.301	107.853	2940.705	2.68%	81.11%
29.0	1643.974	95.031	3035.735	2.36%	83.73%
30.0	1372.479	81.444	3117.179	2.02%	85.98%
31.0	1145.695	70.077	3187.256	1.74%	87.91%
32.0	934.390	59.592	3246.848	1.48%	89.56%
33.0	724.592	48.874	3295.722	1.21%	90.90%
34.0	538.604	38.228	3333.95	0.95%	91.96%
35.0	393.204	28.939	3362.889	0.72%	92.76%
36.0	303.047	22.169	3385.058	0.55%	93.37%
37.0	250.233	18.045	3403.102	0.45%	93.87%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	209.396	15.342	3418.444	0.38%	94.29%
39.0	175.637	13.142	3431.586	0.33%	94.65%
40.0	145.020	11.183	3442.77	0.28%	94.96%
41.0	127.908	9.719	3452.489	0.24%	95.23%
42.0	113.862	8.784	3461.273	0.22%	95.47%
43.0	102.024	7.997	3469.27	0.20%	95.69%
44.0	91.887	7.319	3476.588	0.18%	95.89%
45.0	83.958	6.758	3483.346	0.17%	96.08%
46.0	77.094	6.298	3489.645	0.16%	96.25%
47.0	71.420	5.907	3495.551	0.15%	96.42%
48.0	66.625	5.581	3501.132	0.14%	96.57%
49.0	61.996	5.282	3506.414	0.13%	96.72%
50.0	58.232	5.013	3511.427	0.12%	96.85%
51.0	54.835	4.784	3516.21	0.12%	96.99%
52.0	51.714	4.572	3520.782	0.11%	97.11%
53.0	48.926	4.378	3525.16	0.11%	97.23%
54.0	46.476	4.205	3529.365	0.10%	97.35%
55.0	44.276	4.051	3533.416	0.10%	97.46%
56.0	42.124	3.904	3537.32	0.10%	97.57%
57.0	40.332	3.770	3541.09	0.09%	97.67%
58.0	38.748	3.657	3544.747	0.09%	97.77%
59.0	37.294	3.555	3548.302	0.09%	97.87%
60.0	35.869	3.457	3551.759	0.09%	97.97%
61.0	34.568	3.361	3555.12	0.08%	98.06%
62.0	33.461	3.278	3558.398	0.08%	98.15%
63.0	32.333	3.200	3561.598	0.08%	98.24%
64.0	31.365	3.126	3564.724	0.08%	98.32%
65.0	30.431	3.058	3567.782	0.08%	98.41%
66.0	29.545	2.992	3570.774	0.07%	98.49%
67.0	28.673	2.927	3573.702	0.07%	98.57%
68.0	27.857	2.864	3576.565	0.07%	98.65%
69.0	27.109	2.804	3579.369	0.07%	98.73%
70.0	26.314	2.744	3582.113	0.07%	98.80%
71.0	25.587	2.683	3584.796	0.07%	98.88%
72.0	24.881	2.624	3587.42	0.07%	98.95%
73.0	24.196	2.566	3589.986	0.06%	99.02%
74.0	23.518	2.508	3592.495	0.06%	99.09%
75.0	22.896	2.452	3594.947	0.06%	99.16%

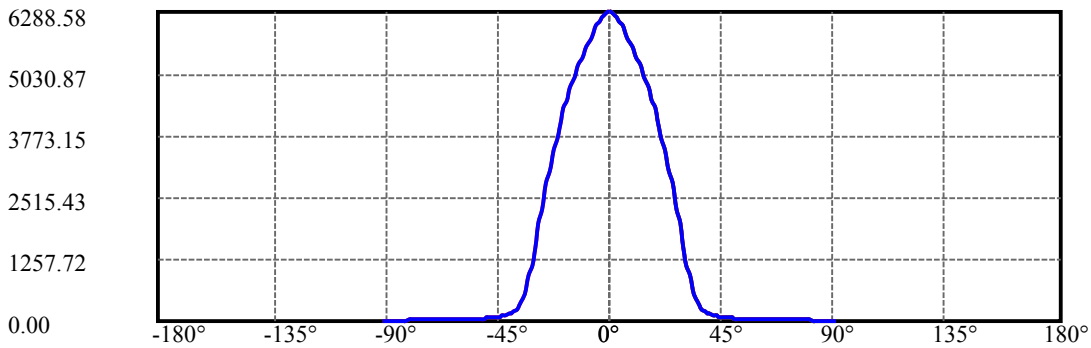
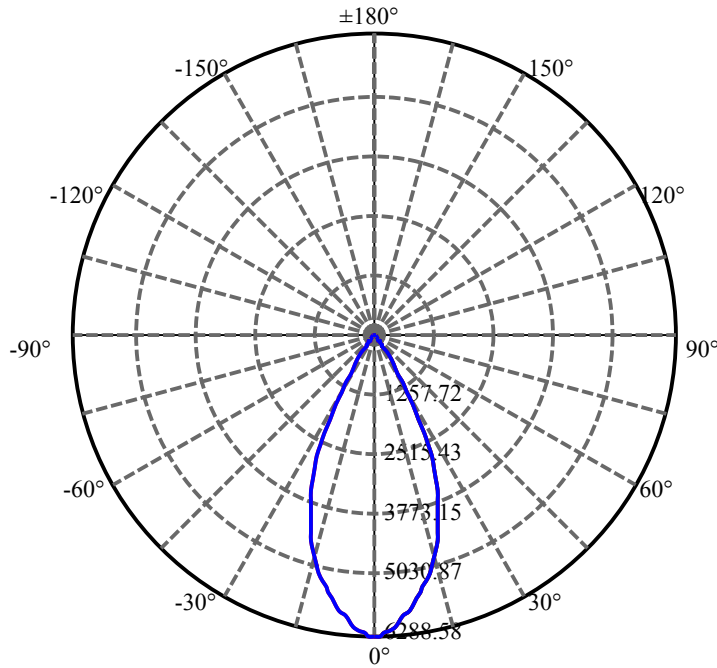
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.266	2.397	3597.345	0.06%	99.22%
77.0	21.595	2.338	3599.683	0.06%	99.29%
78.0	20.972	2.279	3601.962	0.06%	99.35%
79.0	20.377	2.222	3604.183	0.06%	99.41%
80.0	19.830	2.168	3606.351	0.05%	99.47%
81.0	19.263	2.114	3608.465	0.05%	99.53%
82.0	18.737	2.061	3610.526	0.05%	99.59%
83.0	18.232	2.010	3612.535	0.05%	99.64%
84.0	17.789	1.962	3614.498	0.05%	99.70%
85.0	17.374	1.919	3616.417	0.05%	99.75%
86.0	17.000	1.879	3618.296	0.05%	99.80%
87.0	16.661	1.842	3620.138	0.05%	99.85%
88.0	16.274	1.804	3621.942	0.04%	99.90%
89.0	16.032	1.771	3623.713	0.04%	99.95%
90.0	15.921	1.752	3625.465	0.04%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3117.18	77.34%	85.98%
0-40	3442.77	85.42%	94.96%
0-60	3551.76	88.12%	97.97%
0-90	3623.71	89.91%	99.95%
0-120	3623.71	89.91%	99.95%
0-180	3625.47	89.95%	100.00%
60-90	71.95	1.79%	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%
0-27.63	2900.37	71.96%	80.00%

## ZONAL LUMEN SUMMARY

0-10	555.12
10-20	1330.22
20-30	1231.83
30-40	325.59
40-50	68.66
50-60	40.33
60-70	30.35
70-80	24.24
80-90	17.36
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



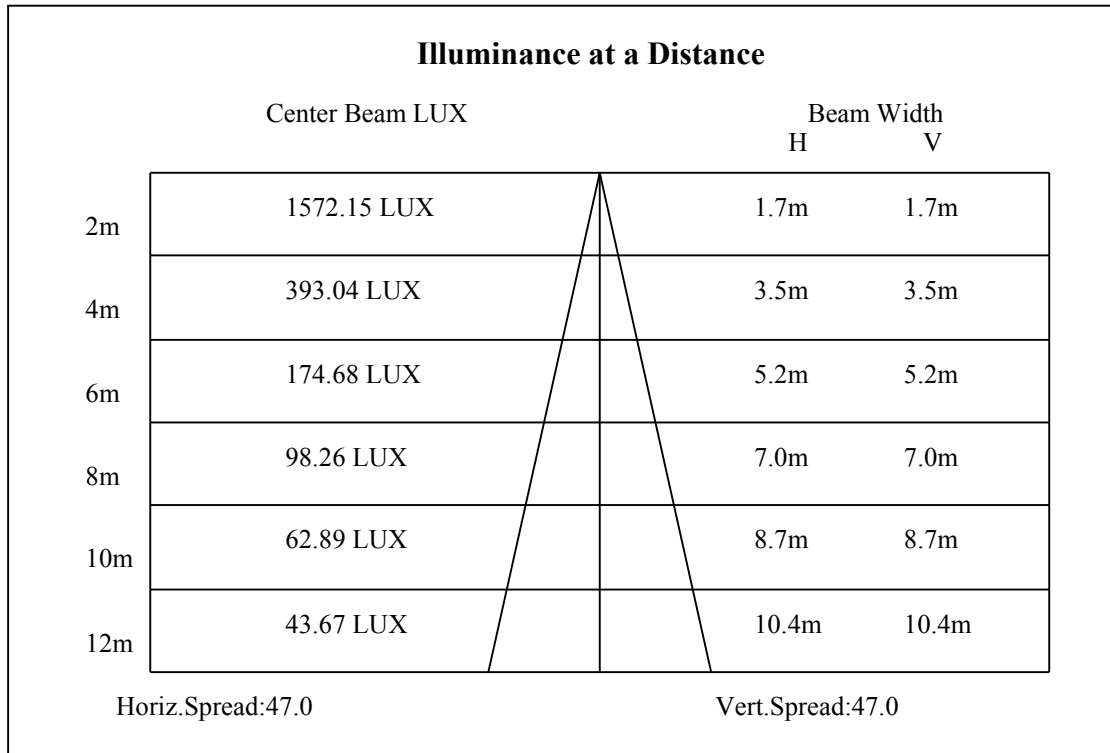
C0(Max): —————

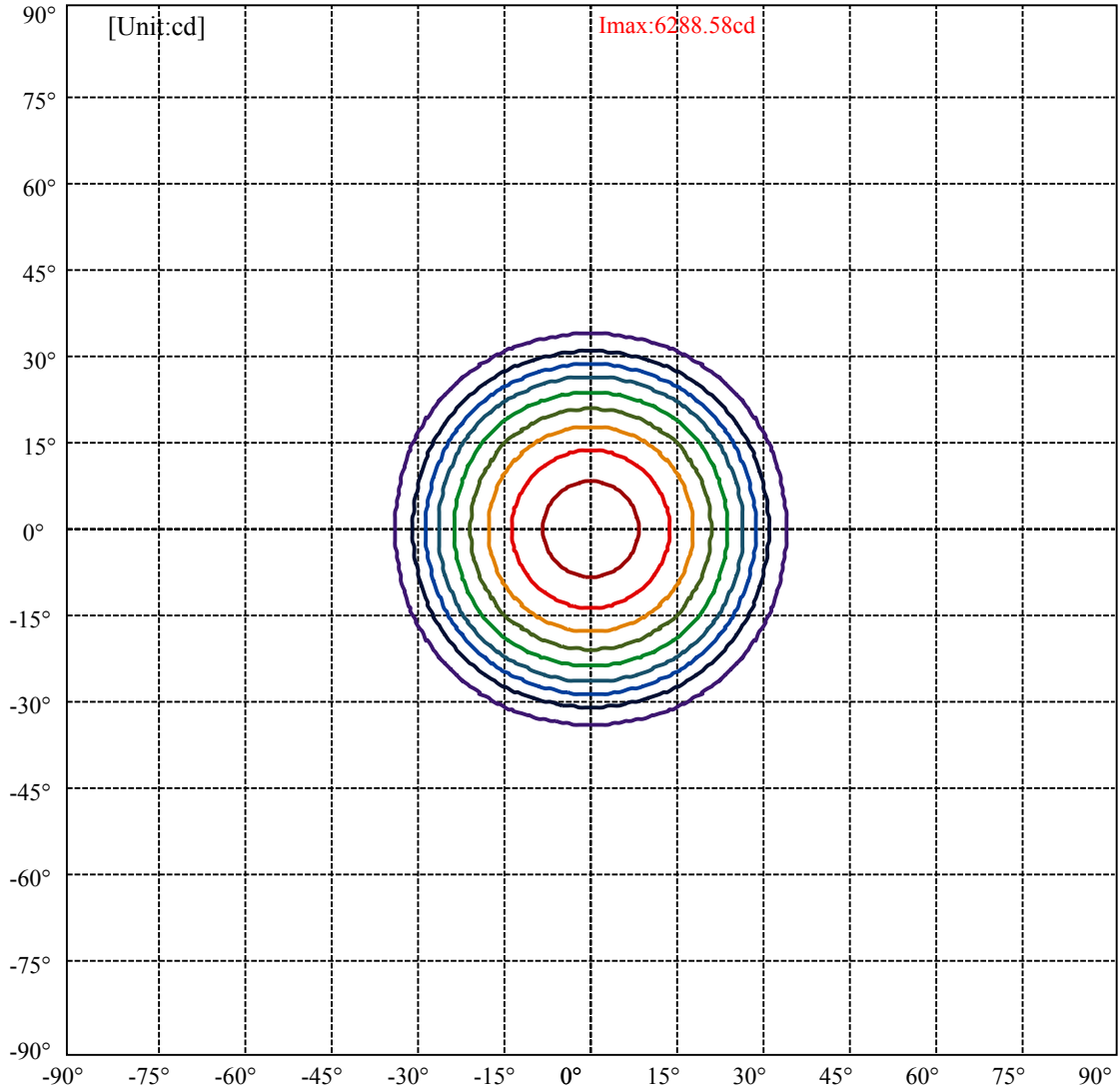
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:33.5 Right:33.5  
:C90/270Left:33.5 Right:33.5

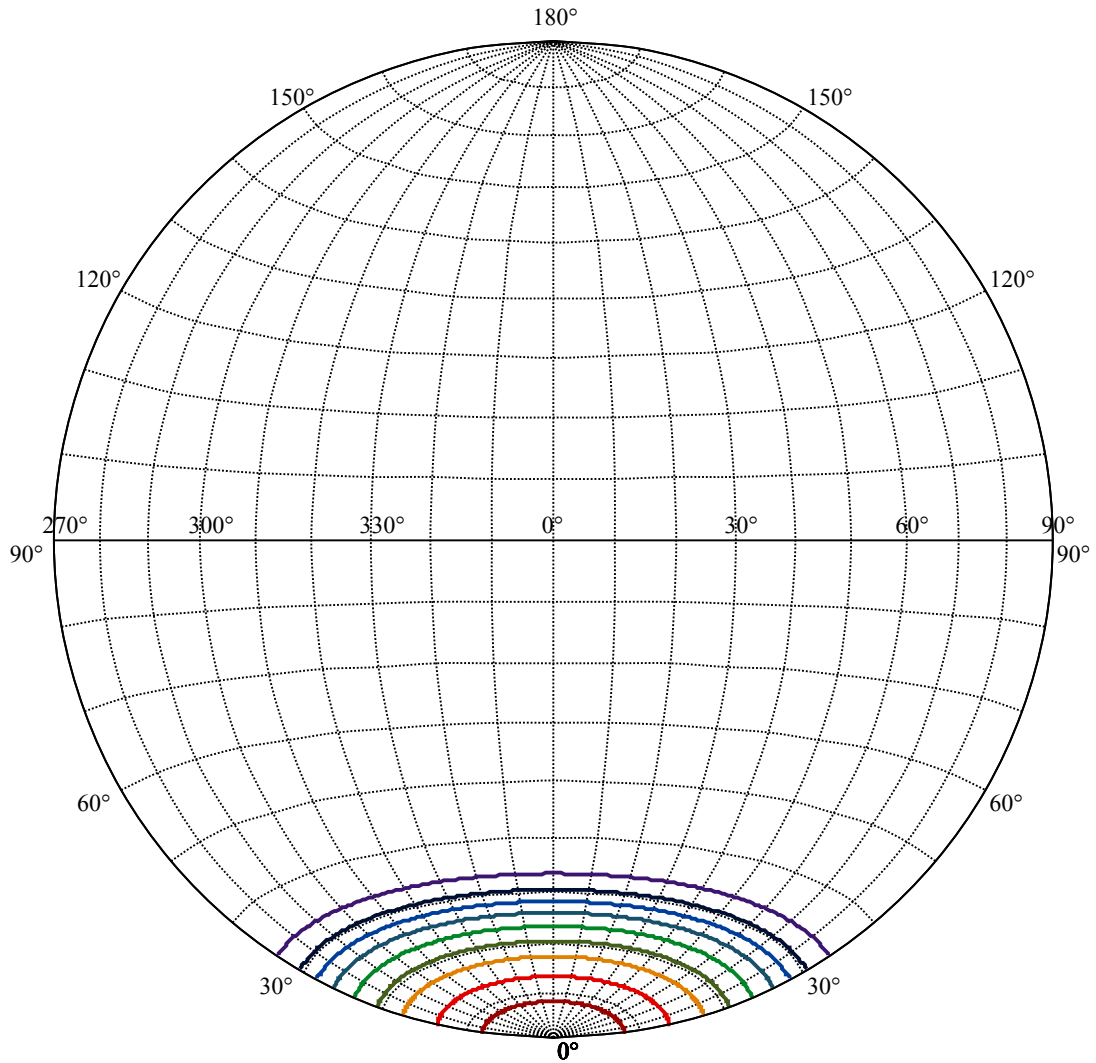
Beam Angle(50%Imax):C0/180Left:23.5 Right:23.5  
:C90/270Left:23.5 Right:23.5





(10%Imax) 628.858	—
(20%Imax) 1257.72	—
(30%Imax) 1886.58	—
(40%Imax) 2515.43	—
(50%Imax) 3144.29	—
(60%Imax) 3773.15	—
(70%Imax) 4402.01	—
(80%Imax) 5030.87	—
(90%Imax) 5659.73	—





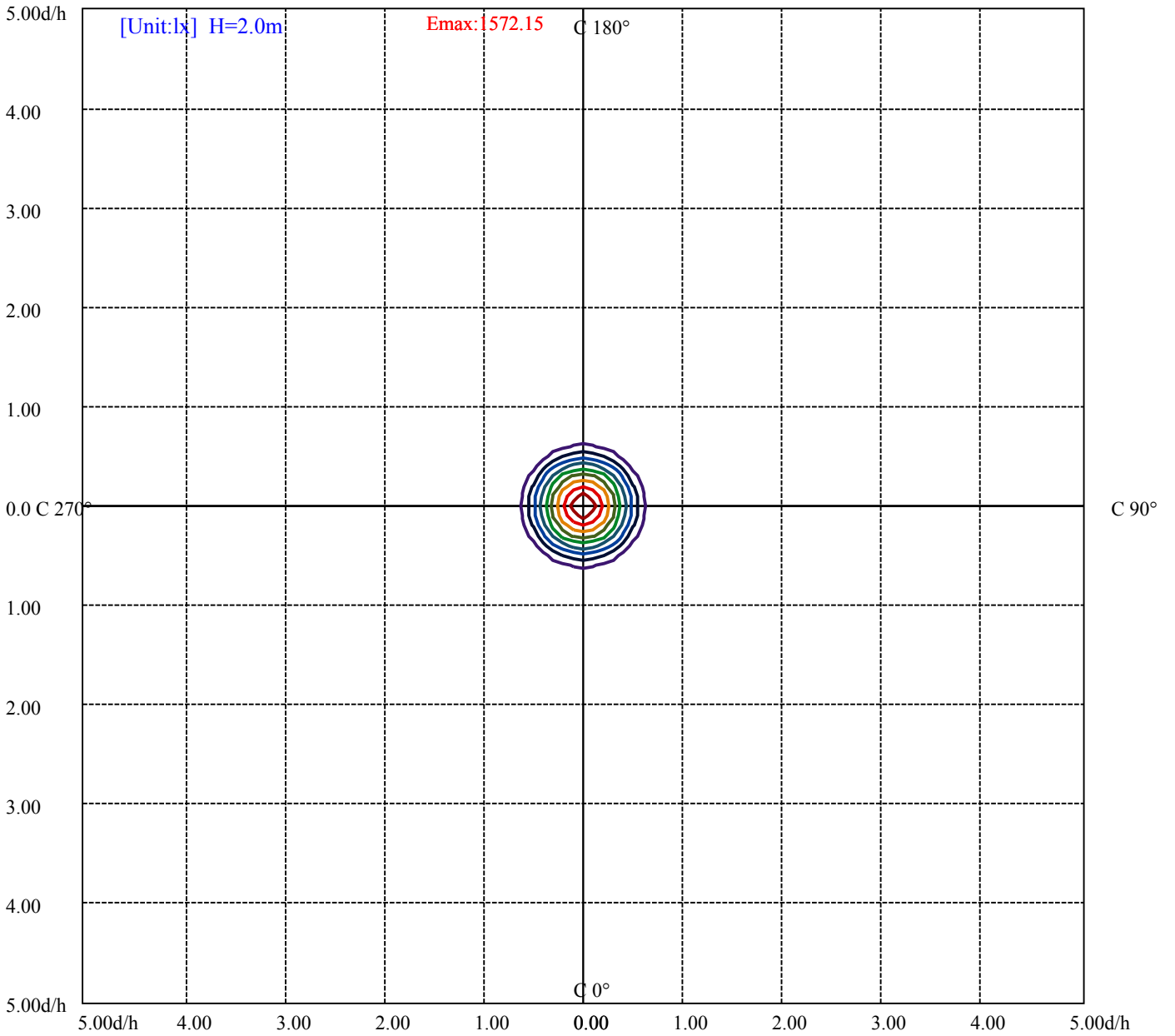
House

[Unit:cd]

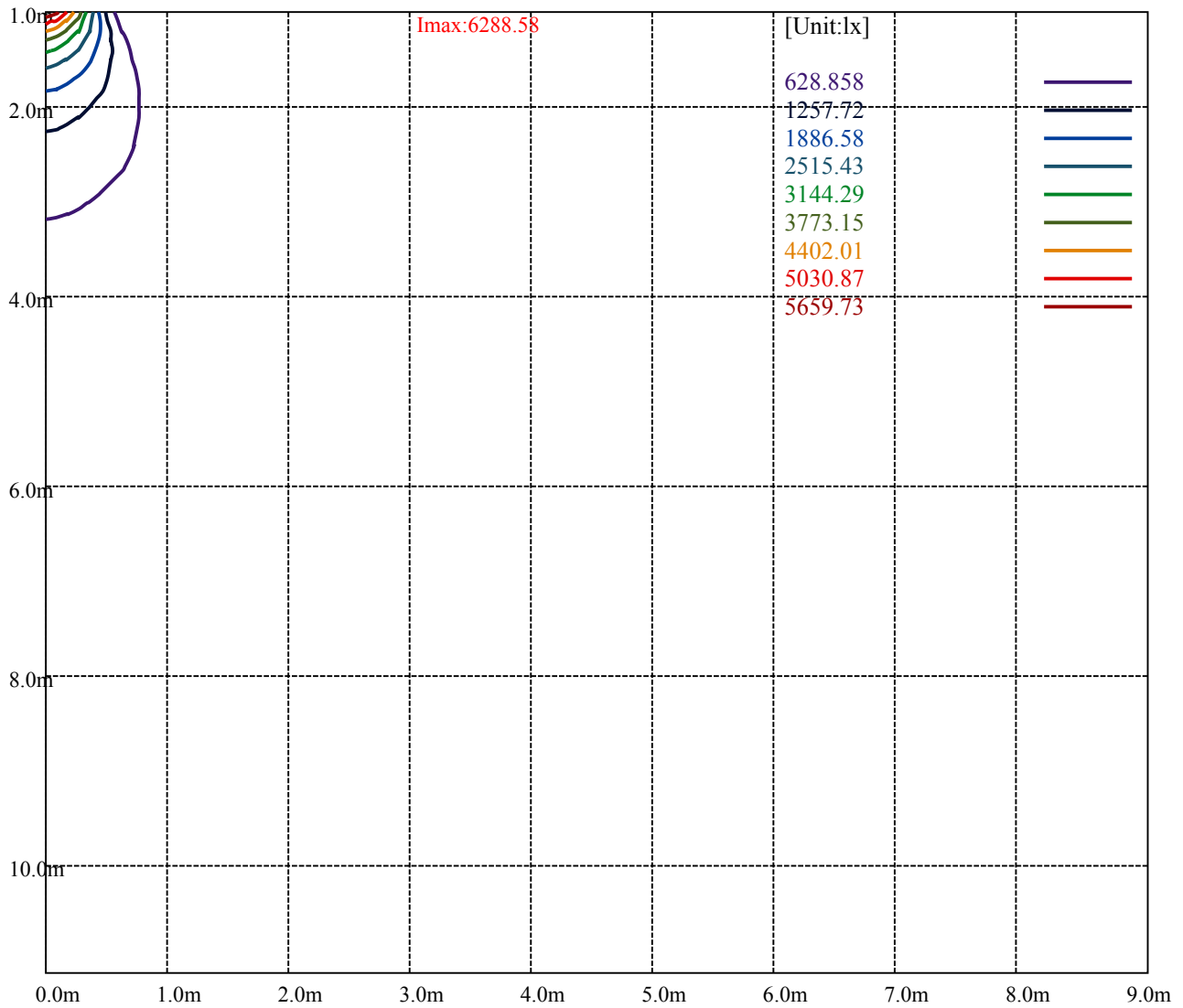
Road

Imax:6288.58

(10%Imax)	628.858	—
(20%Imax)	1257.72	—
(30%Imax)	1886.58	—
(40%Imax)	2515.43	—
(50%Imax)	3144.29	—
(60%Imax)	3773.15	—
(70%Imax)	4402.01	—
(80%Imax)	5030.87	—
(90%Imax)	5659.73	—



(10%Emax) 157.2145	—
(20%Emax) 314.43	—
(30%Emax) 471.6425	—
(40%Emax) 628.8575	—
(50%Emax) 786.0725	—
(60%Emax) 943.2875	—
(70%Emax) 1100.502	—
(80%Emax) 1257.718	—
(90%Emax) 1414.93	—



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

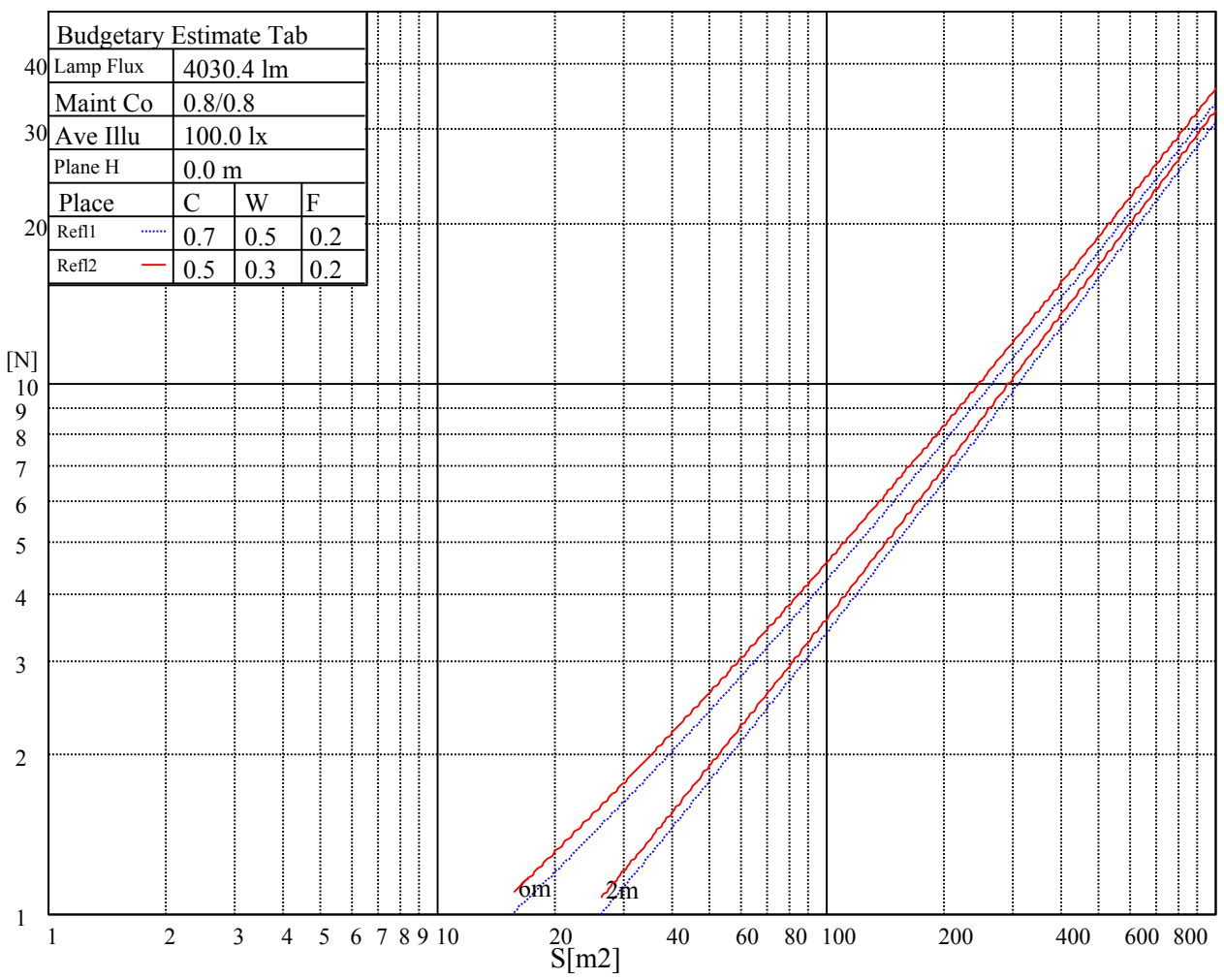
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

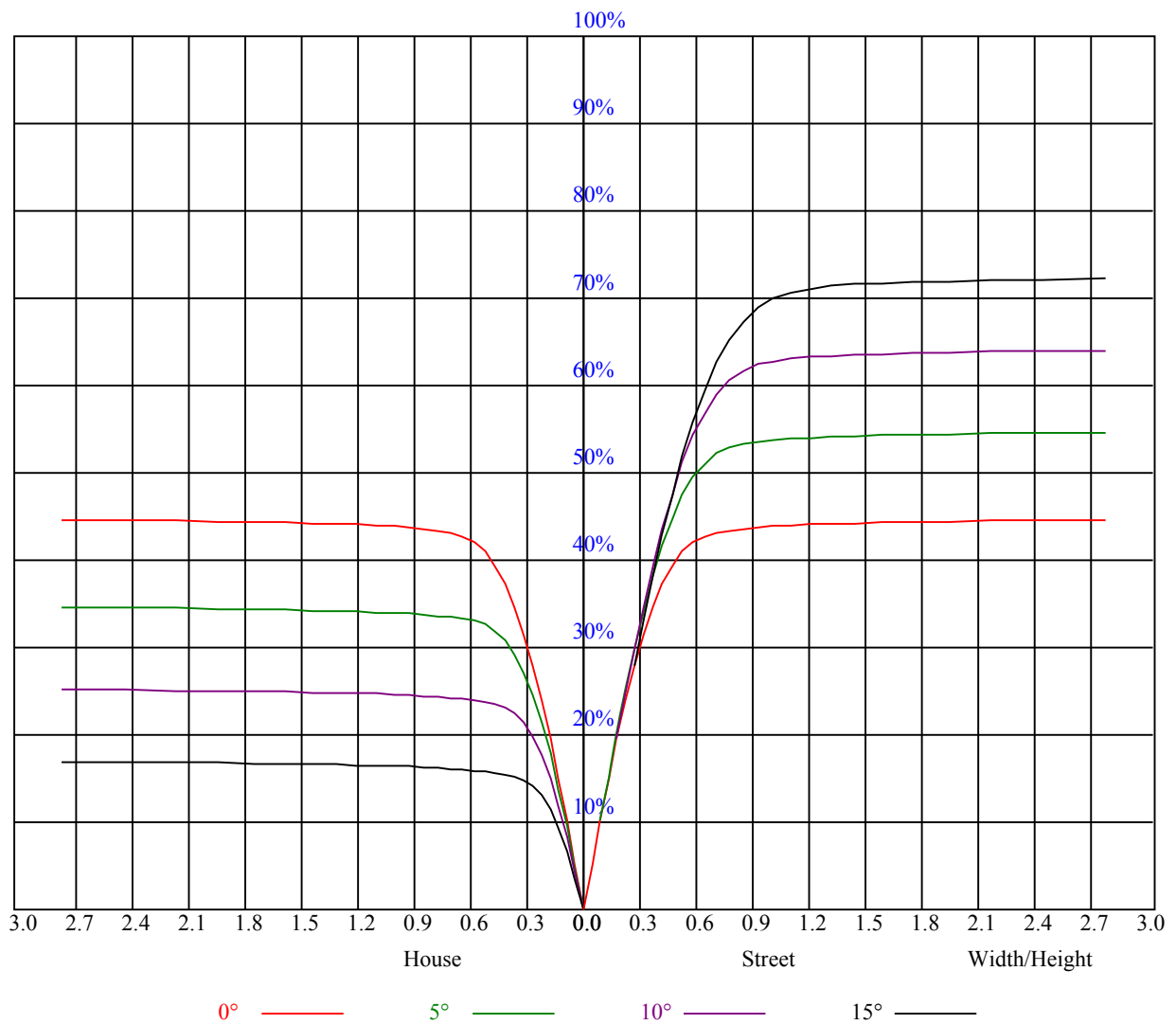


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.84
2	0.94	0.90	0.87	0.92	0.89	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.84	0.82	0.81	0.80
3	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.81	0.79	0.82	0.80	0.78	0.80	0.78	0.76	0.75
4	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.71
5	0.79	0.74	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58
9	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.52





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	6274.33	6197.94	6131.52	6061.77	5973.21	5839.80	5746.81	5648.83	5544.22
45.0	6296.47	6289.28	6235.58	6173.03	6107.16	6000.33	5900.69	5810.47	5686.48
90.0	6288.17	6244.99	6199.05	6132.63	6016.38	5915.09	5798.29	5690.90	5577.43
135.0	6295.36	6288.17	6256.06	6204.03	6131.52	6025.79	5931.69	5813.79	5714.71
180.0	6274.33	6300.90	6295.36	6269.35	6210.67	6148.12	6052.36	5956.05	5860.29
225.0	6296.47	6283.74	6233.37	6166.94	6099.41	6032.99	5917.85	5820.98	5721.90
270.0	6288.17	6297.58	6275.99	6209.01	6135.39	6067.86	5990.92	5871.36	5770.61
315.0	6295.36	6275.99	6199.60	6127.09	6052.92	5975.42	5844.79	5741.28	5617.28
360.0	6274.33	6197.94	6131.52	6061.77	5973.21	5839.80	5746.81	5648.83	5544.22
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5407.49	5294.02	5151.21	5036.07	4907.65	4732.18	4583.83	4422.75	4202.45
45.0	5580.20	5465.06	5321.70	5191.06	5074.82	4953.04	4811.89	4626.45	4468.70
90.0	5471.70	5320.59	5195.49	5072.05	4944.74	4769.82	4627.01	4466.48	4297.65
135.0	5589.61	5492.74	5395.87	5253.61	5128.51	4998.43	4866.69	4685.68	4522.94
180.0	5737.95	5638.32	5539.23	5436.28	5286.27	5165.60	5044.93	4914.29	4746.02
225.0	5622.27	5523.18	5394.76	5278.52	5129.06	5010.61	4856.17	4716.13	4566.67
270.0	5675.40	5580.75	5464.51	5368.19	5256.93	5106.92	4989.57	4865.03	4690.11
315.0	5518.20	5422.99	5293.46	5182.76	5075.37	4956.36	4795.28	4651.36	4488.07
360.0	5407.49	5294.02	5151.21	5036.07	4907.65	4732.18	4583.83	4422.75	4202.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4021.44	3842.65	3653.34	3410.89	3209.40	3005.15	2793.14	2495.89	2242.37
45.0	4299.87	4082.33	3895.79	3655.55	3462.92	3261.99	3008.47	2785.39	2540.18
90.0	4070.15	3872.54	3624.55	3429.16	3222.13	2963.08	2739.45	2493.68	2232.41
135.0	4348.03	4155.95	3898.00	3686.00	3471.22	3202.76	2987.99	2761.04	2446.08
180.0	4591.58	4413.90	4200.23	4007.05	3795.60	3528.79	3325.09	3113.09	2844.62
225.0	4401.72	4186.95	4003.17	3820.51	3634.52	3393.73	3199.99	2997.95	2774.32
270.0	4531.25	4351.90	4126.61	3937.30	3735.81	3527.13	3268.08	3072.68	2863.44
315.0	4301.53	4051.88	3851.50	3646.70	3398.16	3198.88	2992.42	2728.93	2500.88
360.0	4021.44	3842.65	3653.34	3410.89	3209.40	3005.15	2793.14	2495.89	2242.37
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1913.57	1656.73	1097.72	1097.72	875.20	672.93	501.89	340.81	263.87
45.0	2271.16	1928.52	1658.95	1398.79	1150.80	870.16	673.65	509.81	353.71
90.0	1897.52	1640.68	1093.51	1093.51	870.32	667.90	496.02	341.37	271.95
135.0	2178.72	1851.02	1599.17	1360.59	1134.20	866.84	672.55	504.27	368.65
180.0	2607.15	2351.97	2086.28	1755.82	1487.90	1233.83	998.58	733.99	552.98
225.0	2459.91	2189.23	1842.17	1350.07	1043.75	983.74	763.71	575.57	395.22
270.0	2648.12	2342.01	2076.87	1820.58	1500.64	1237.71	948.76	739.52	559.07
315.0	2196.98	1946.23	1697.14	1102.75	1102.75	942.01	741.57	563.50	380.17
360.0	1913.57	1656.73	1097.72	1097.72	875.20	672.93	501.89	340.81	263.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	218.70	186.65	156.82	138.49	122.88	107.05	96.59	88.01	78.99
45.0	292.27	292.27	184.27	161.08	138.16	123.44	110.98	100.19	91.22
90.0	228.61	188.98	165.73	146.85	127.42	114.53	103.73	94.60	84.97
135.0	285.07	285.07	193.57	169.66	146.19	131.08	115.25	104.73	95.87
180.0	409.06	294.48	294.48	233.87	171.65	151.56	134.62	117.24	105.78
225.0	303.23	248.09	209.02	179.35	151.61	134.01	119.62	104.73	95.26
270.0	406.85	280.64	280.64	216.93	162.41	137.66	122.05	109.27	96.09
315.0	280.59	225.68	190.64	158.86	139.82	123.94	108.05	97.42	86.91
360.0	218.70	186.65	156.82	138.49	122.88	107.05	96.59	88.01	78.99

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	73.07	66.87	62.55	58.79	55.46	52.42	49.15	46.77	44.78
45.0	81.87	75.67	70.30	65.59	60.45	56.90	53.80	50.37	47.94
90.0	78.60	72.96	66.92	62.83	59.12	55.91	52.36	49.76	46.94
135.0	86.52	80.32	74.78	69.86	64.38	60.50	57.07	54.14	50.81
180.0	96.32	86.68	80.32	74.73	69.80	64.43	60.50	57.01	53.97
225.0	87.35	79.16	73.62	68.75	63.49	59.67	56.24	52.59	49.82
270.0	87.85	80.87	73.56	68.58	63.21	59.45	56.07	53.14	49.65
315.0	80.10	74.23	69.30	63.88	60.06	56.57	53.47	49.93	47.49
360.0	73.07	66.87	62.55	58.79	55.46	52.42	49.15	46.77	44.78
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.84	40.63	39.02	37.64	36.04	34.82	33.49	32.49	31.55
45.0	45.22	43.29	41.52	39.52	38.08	36.70	35.43	33.93	32.88
90.0	44.89	43.01	40.91	39.41	37.97	36.70	35.20	34.10	33.10
135.0	48.38	46.22	43.73	41.96	40.41	38.91	37.20	35.92	34.49
180.0	50.59	48.10	45.22	43.18	41.46	39.47	38.03	36.70	35.43
225.0	47.38	45.17	42.68	40.85	39.25	37.75	36.15	34.87	33.77
270.0	47.22	45.00	42.95	40.74	39.19	37.75	36.42	34.87	33.82
315.0	45.28	42.79	40.96	39.36	37.59	36.26	35.04	33.65	32.66
360.0	42.84	40.63	39.02	37.64	36.04	34.82	33.49	32.49	31.55
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.44	29.67	28.95	28.17	27.34	26.68	26.02	25.35	24.58
45.0	31.88	31.00	30.06	29.28	28.51	27.57	26.90	26.18	25.35
90.0	32.11	31.00	30.11	29.28	28.23	27.46	26.68	25.79	25.08
135.0	33.43	32.38	31.44	30.33	29.39	28.51	27.68	26.68	25.96
180.0	34.04	32.94	31.94	30.94	29.84	29.01	28.17	27.29	26.46
225.0	32.49	31.55	30.44	29.61	28.78	27.84	27.12	26.40	25.74
270.0	32.55	31.55	30.72	29.67	28.95	28.23	27.51	26.68	26.02
315.0	31.72	30.83	29.78	29.06	28.34	27.57	26.79	26.13	25.52
360.0	30.44	29.67	28.95	28.17	27.34	26.68	26.02	25.35	24.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.97	23.41	22.75	22.14	21.59	20.92	20.37	19.87	19.26
45.0	24.74	24.13	23.41	22.81	22.25	21.64	20.92	20.37	19.82
90.0	24.36	23.58	22.86	22.25	21.64	20.87	20.26	19.76	19.21
135.0	25.19	24.36	23.69	22.92	22.25	21.59	20.81	20.26	19.76
180.0	25.74	24.91	24.24	23.64	22.86	22.25	21.64	20.81	20.37
225.0	24.91	24.24	23.64	23.03	22.25	21.64	21.09	20.37	19.87
270.0	25.41	24.80	24.08	23.53	22.97	22.25	21.64	21.09	20.37
315.0	24.74	24.13	23.47	22.86	22.31	21.59	21.03	20.48	19.98
360.0	23.97	23.41	22.75	22.14	21.59	20.92	20.37	19.87	19.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.82	18.32	17.88	17.33	16.94	16.61	16.33	16.05	15.72
45.0	19.26	18.76	18.10	17.71	17.21	16.83	16.50	16.22	15.67
90.0	18.65	18.16	17.66	17.38	16.99	16.66	16.33	15.72	16.05
135.0	19.04	18.65	18.16	17.66	17.44	16.99	16.61	16.16	16.22
180.0	19.82	19.21	18.71	18.21	17.77	17.44	17.16	16.66	16.27
225.0	19.26	18.76	18.27	17.88	17.44	17.16	16.83	16.44	15.94
270.0	19.87	19.21	18.71	18.27	17.77	17.33	16.88	16.61	16.33
315.0	19.37	18.82	18.38	17.88	17.44	16.99	16.66	16.33	16.05
360.0	18.82	18.32	17.88	17.33	16.94	16.61	16.33	16.05	15.72

Intensity data(cd)

C/γ(°)	90.0
0.0	15.67
45.0	15.67
90.0	16.16
135.0	16.44
180.0	16.11
225.0	15.78
270.0	15.83
315.0	15.72
360.0	15.67