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NT

LumCAT: 2-2641-L  
Luminaire: 92.70.412.00  
LampCAT: P2141-036-1206-P3090-1  
Ballast type: AC  
Report No: 20231117-B011  
Test No: 20231117-C011  
Number of Lamps: 1  
Lamp flux(lm): 3111.0  
Length(mm): 0  
Phm Type: C  
Voltage(V): 35.8900  
Current(A): 0.7000  
Power (W): 25.1230  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

### Photometric Results

Lumens(lm): 2857.08, Efficiency(%): 91.84% , Luminous Efficacy(lm/W): 113.72  
Central intensity(cd): 6136.224, Maximum intensity(cd): 6136.224  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=37.6  
[C90/270]Total=37.6  
Field angle(10%Imax): [C0/180]Total=65.8  
[C90/270]Total=65.8  
Maximum s/h(1/2): C0\_180=0.61 C90\_270=0.61  
Maximum s/h(1/4): C0\_180=0.62 C90\_270=0.62  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 91.84%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.984%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/17  
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	6136.223	0.000	0	0.00%	0.00%
1.0	6125.153	5.867	5.867	0.19%	0.21%
2.0	6087.028	17.528	23.395	0.56%	0.82%
3.0	6030.567	28.981	52.376	0.93%	1.83%
4.0	5949.889	40.102	92.479	1.29%	3.24%
5.0	5845.133	50.742	143.22	1.63%	5.01%
6.0	5725.915	60.809	204.029	1.95%	7.14%
7.0	5574.730	70.143	274.172	2.25%	9.60%
8.0	5411.714	78.628	352.8	2.53%	12.35%
9.0	5235.067	86.286	439.086	2.77%	15.37%
10.0	5047.556	93.054	532.14	2.99%	18.63%
11.0	4843.232	98.829	630.97	3.18%	22.08%
12.0	4638.147	103.645	734.615	3.33%	25.71%
13.0	4418.117	107.475	842.09	3.45%	29.47%
14.0	4193.450	110.227	952.317	3.54%	33.33%
15.0	3979.232	112.198	1064.515	3.61%	37.26%
16.0	3742.526	113.145	1177.661	3.64%	41.22%
17.0	3506.374	112.885	1290.545	3.63%	45.17%
18.0	3264.271	111.633	1402.179	3.59%	49.08%
19.0	3032.339	109.548	1511.727	3.52%	52.91%
20.0	2784.840	106.471	1618.197	3.42%	56.64%
21.0	2568.130	102.788	1720.985	3.30%	60.24%
22.0	2354.050	98.913	1819.898	3.18%	63.70%
23.0	2140.109	94.300	1914.198	3.03%	67.00%
24.0	1941.666	89.242	2003.44	2.87%	70.12%
25.0	1756.716	84.093	2087.533	2.70%	73.07%
26.0	1539.342	77.804	2165.337	2.50%	75.79%
27.0	1386.234	71.575	2236.912	2.30%	78.29%
28.0	1201.436	65.514	2302.426	2.11%	80.59%
29.0	1082.675	59.759	2362.185	1.92%	82.68%
30.0	964.107	55.263	2417.448	1.78%	84.61%
31.0	825.710	49.808	2467.256	1.60%	86.36%
32.0	714.075	44.113	2511.369	1.42%	87.90%
33.0	600.337	38.723	2550.092	1.24%	89.26%
34.0	507.717	33.533	2583.625	1.08%	90.43%
35.0	425.828	28.992	2612.617	0.93%	91.44%
36.0	351.779	24.759	2637.377	0.80%	92.31%
37.0	293.602	21.049	2658.425	0.68%	93.05%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	253.111	18.249	2676.674	0.59%	93.69%
39.0	199.342	15.443	2692.117	0.50%	94.23%
40.0	175.243	13.064	2705.182	0.42%	94.68%
41.0	126.628	10.749	2715.931	0.35%	95.06%
42.0	105.497	8.434	2724.365	0.27%	95.35%
43.0	91.403	7.294	2731.658	0.23%	95.61%
44.0	79.446	6.448	2738.107	0.21%	95.84%
45.0	71.116	5.786	2743.893	0.19%	96.04%
46.0	64.425	5.301	2749.194	0.17%	96.22%
47.0	58.827	4.902	2754.096	0.16%	96.40%
48.0	54.530	4.582	2758.678	0.15%	96.56%
49.0	50.690	4.321	2762.999	0.14%	96.71%
50.0	47.251	4.084	2767.083	0.13%	96.85%
51.0	44.290	3.873	2770.956	0.12%	96.99%
52.0	41.709	3.690	2774.646	0.12%	97.11%
53.0	39.349	3.526	2778.172	0.11%	97.24%
54.0	37.322	3.379	2781.551	0.11%	97.36%
55.0	35.495	3.250	2784.802	0.10%	97.47%
56.0	33.821	3.132	2787.934	0.10%	97.58%
57.0	32.264	3.022	2790.955	0.10%	97.69%
58.0	30.922	2.922	2793.877	0.09%	97.79%
59.0	29.690	2.834	2796.711	0.09%	97.89%
60.0	28.611	2.754	2799.465	0.09%	97.98%
61.0	27.490	2.677	2802.143	0.09%	98.08%
62.0	26.590	2.606	2804.749	0.08%	98.17%
63.0	25.691	2.543	2807.291	0.08%	98.26%
64.0	24.861	2.481	2809.772	0.08%	98.34%
65.0	24.155	2.426	2812.198	0.08%	98.43%
66.0	23.463	2.376	2814.573	0.08%	98.51%
67.0	22.764	2.324	2816.898	0.07%	98.59%
68.0	22.093	2.272	2819.17	0.07%	98.67%
69.0	21.463	2.222	2821.392	0.07%	98.75%
70.0	20.799	2.171	2823.563	0.07%	98.83%
71.0	20.176	2.118	2825.681	0.07%	98.90%
72.0	19.567	2.067	2827.747	0.07%	98.97%
73.0	18.979	2.016	2829.763	0.06%	99.04%
74.0	18.412	1.966	2831.729	0.06%	99.11%
75.0	17.831	1.915	2833.644	0.06%	99.18%

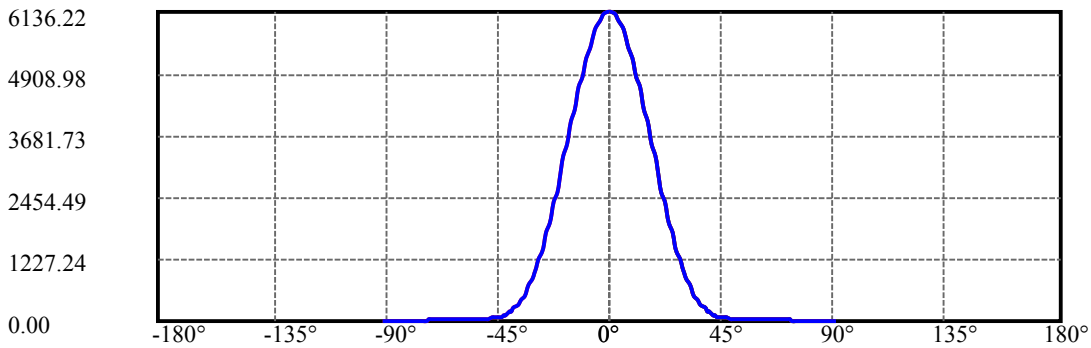
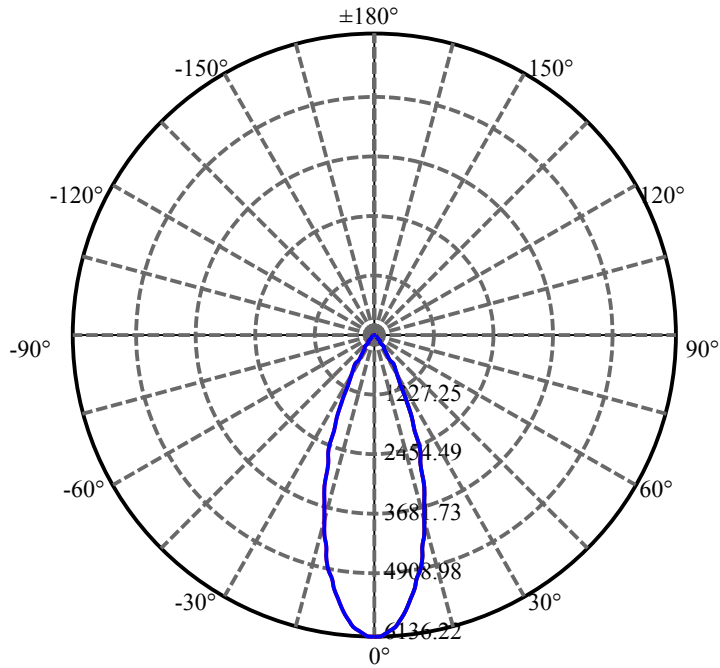
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.340	1.867	2835.51	0.06%	99.25%
77.0	16.793	1.820	2837.33	0.06%	99.31%
78.0	16.302	1.772	2839.102	0.06%	99.37%
79.0	15.790	1.724	2840.826	0.06%	99.43%
80.0	15.312	1.677	2842.503	0.05%	99.49%
81.0	14.835	1.630	2844.133	0.05%	99.55%
82.0	14.357	1.583	2845.716	0.05%	99.60%
83.0	13.935	1.538	2847.254	0.05%	99.66%
84.0	13.555	1.498	2848.752	0.05%	99.71%
85.0	13.223	1.461	2850.213	0.05%	99.76%
86.0	12.918	1.429	2851.642	0.05%	99.81%
87.0	12.641	1.399	2853.041	0.04%	99.86%
88.0	12.344	1.369	2854.41	0.04%	99.91%
89.0	12.136	1.342	2855.751	0.04%	99.95%
90.0	12.019	1.324	2857.076	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2417.45	77.71%	84.61%
0-40	2705.18	86.96%	94.68%
0-60	2799.47	89.99%	97.98%
0-90	2855.75	91.80%	99.95%
0-120	2855.75	91.80%	99.95%
0-180	2857.08	91.84%	100.00%
60-90	56.29	1.81%	1.97%
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%
0-27.74	2285.66	73.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	532.14
10-20	1086.06
20-30	799.25
30-40	287.73
40-50	61.90
50-60	32.38
60-70	24.10
70-80	18.94
80-90	13.25
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: —————

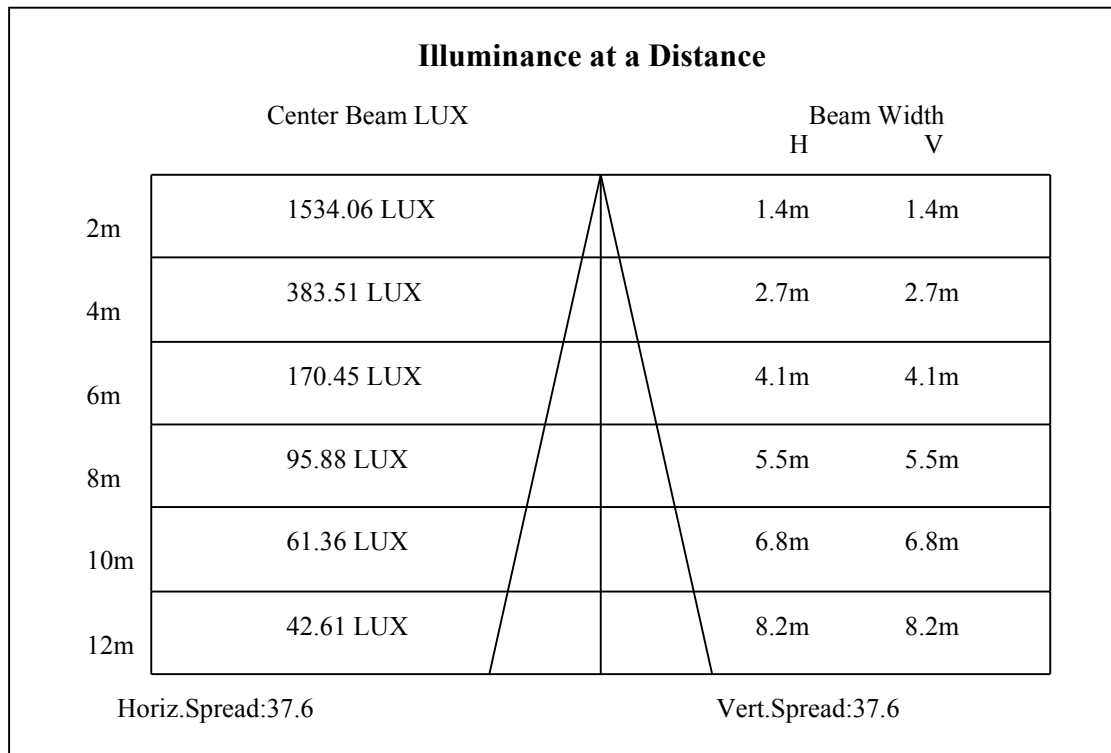
C90/C270: —————

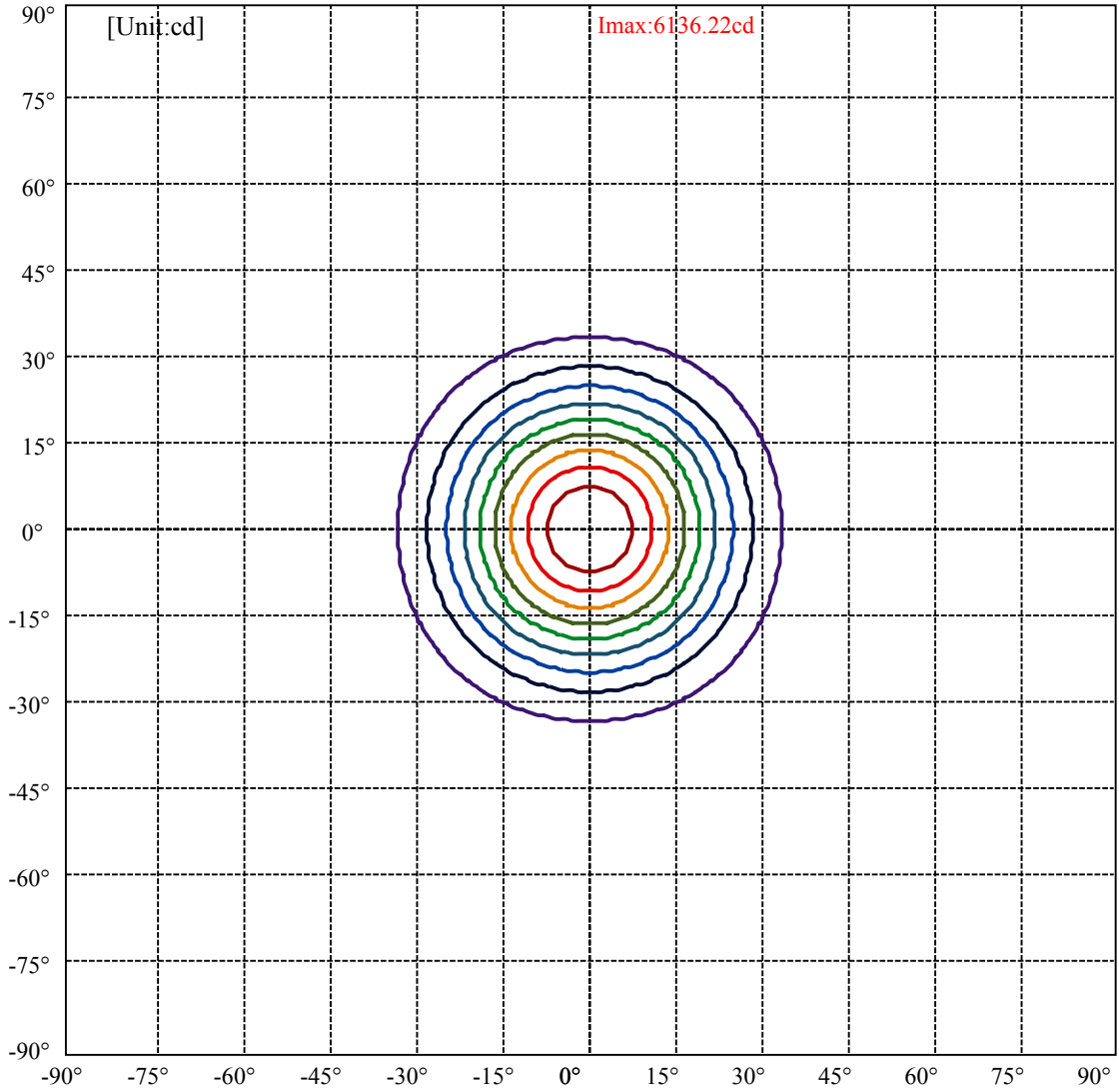
Field angle(10%Imax):C0/180Left:32.9 Right:32.9

:C90/270Left:32.9 Right:32.9

Beam Angle(50%Imax):C0/180Left:18.8 Right:18.8

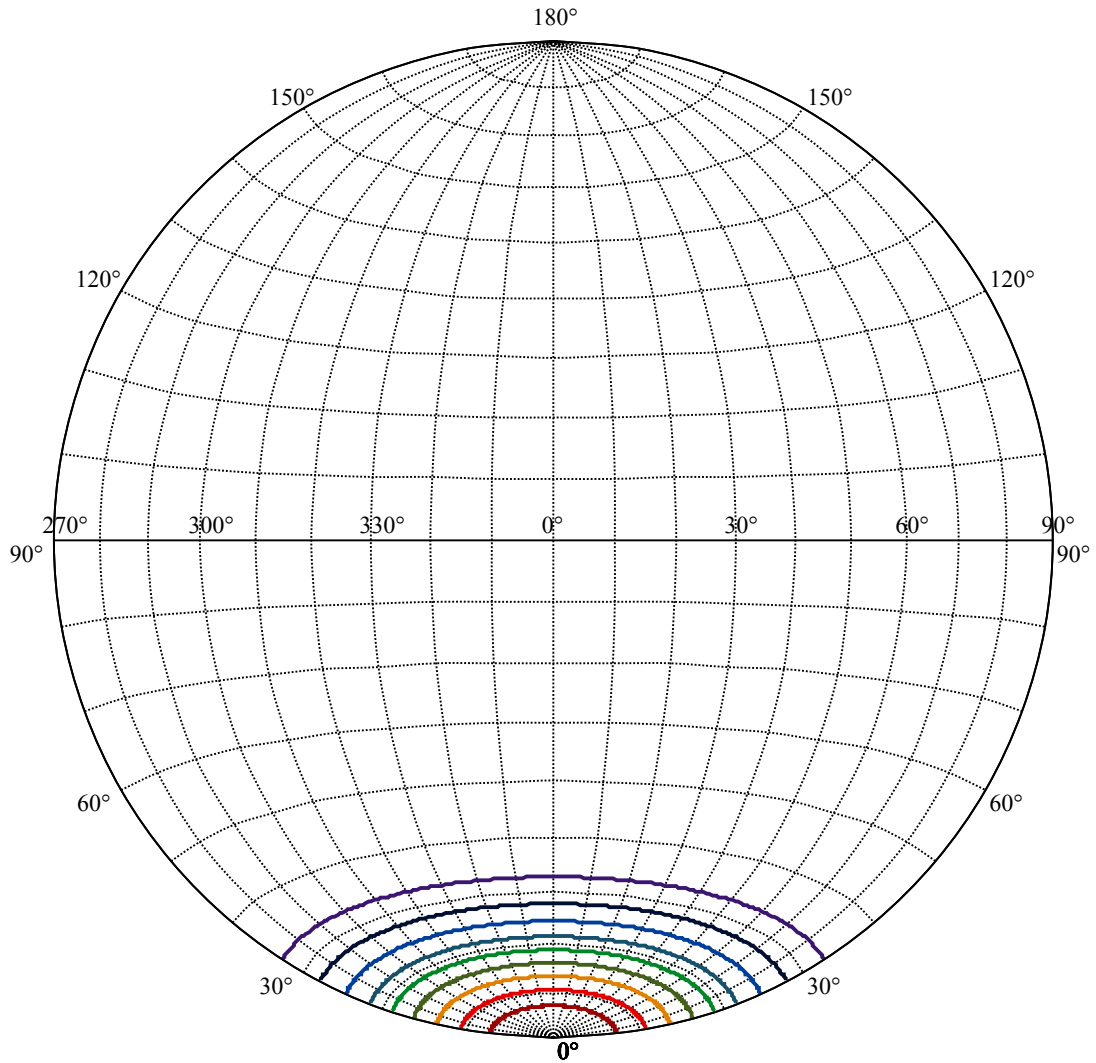
:C90/270Left:18.8 Right:18.8





(10%Imax) 613.622	—
(20%Imax) 1227.24	—
(30%Imax) 1840.87	—
(40%Imax) 2454.49	—
(50%Imax) 3068.11	—
(60%Imax) 3681.73	—
(70%Imax) 4295.36	—
(80%Imax) 4908.98	—
(90%Imax) 5522.6	—





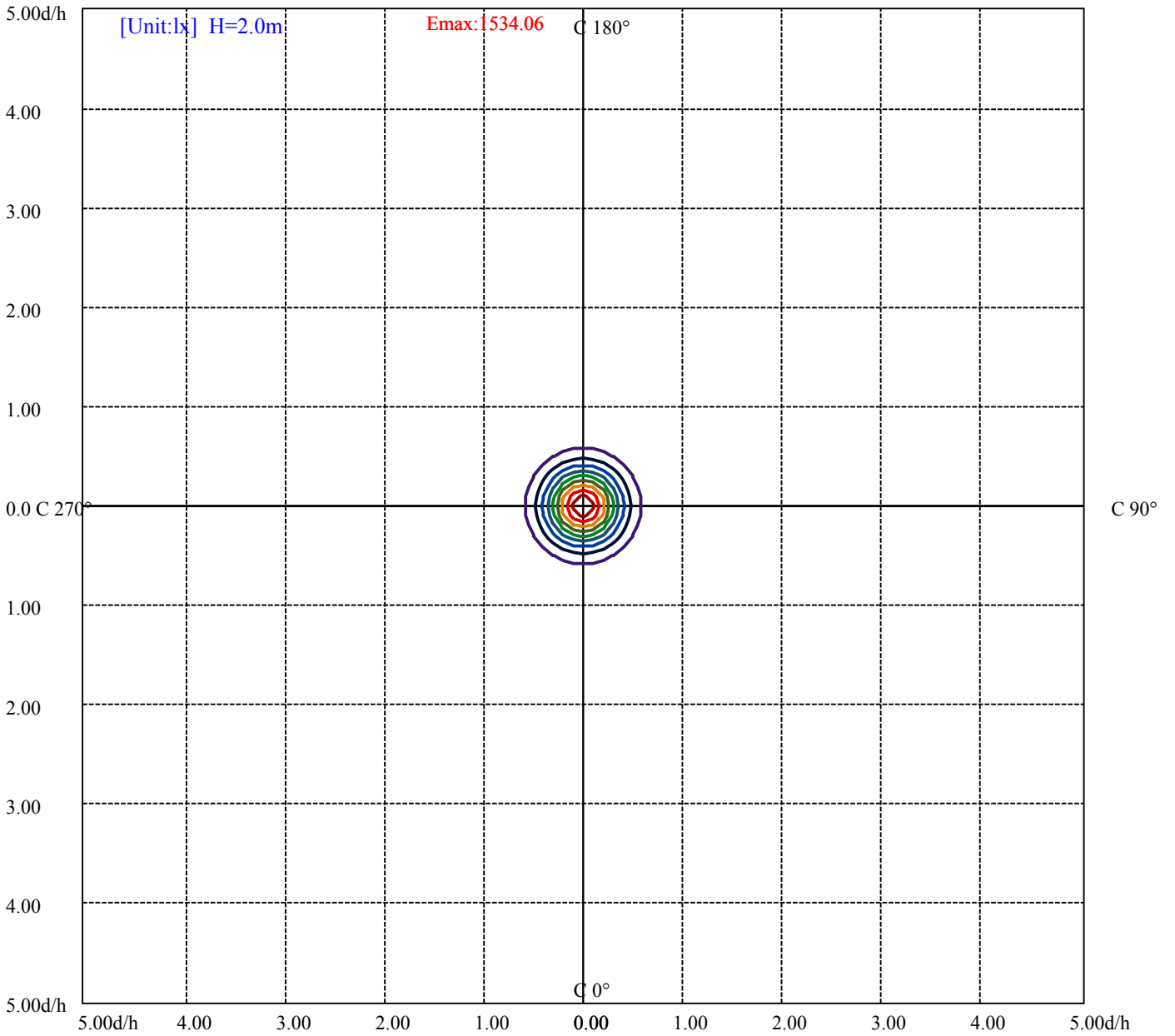
House

[Unit:cd]

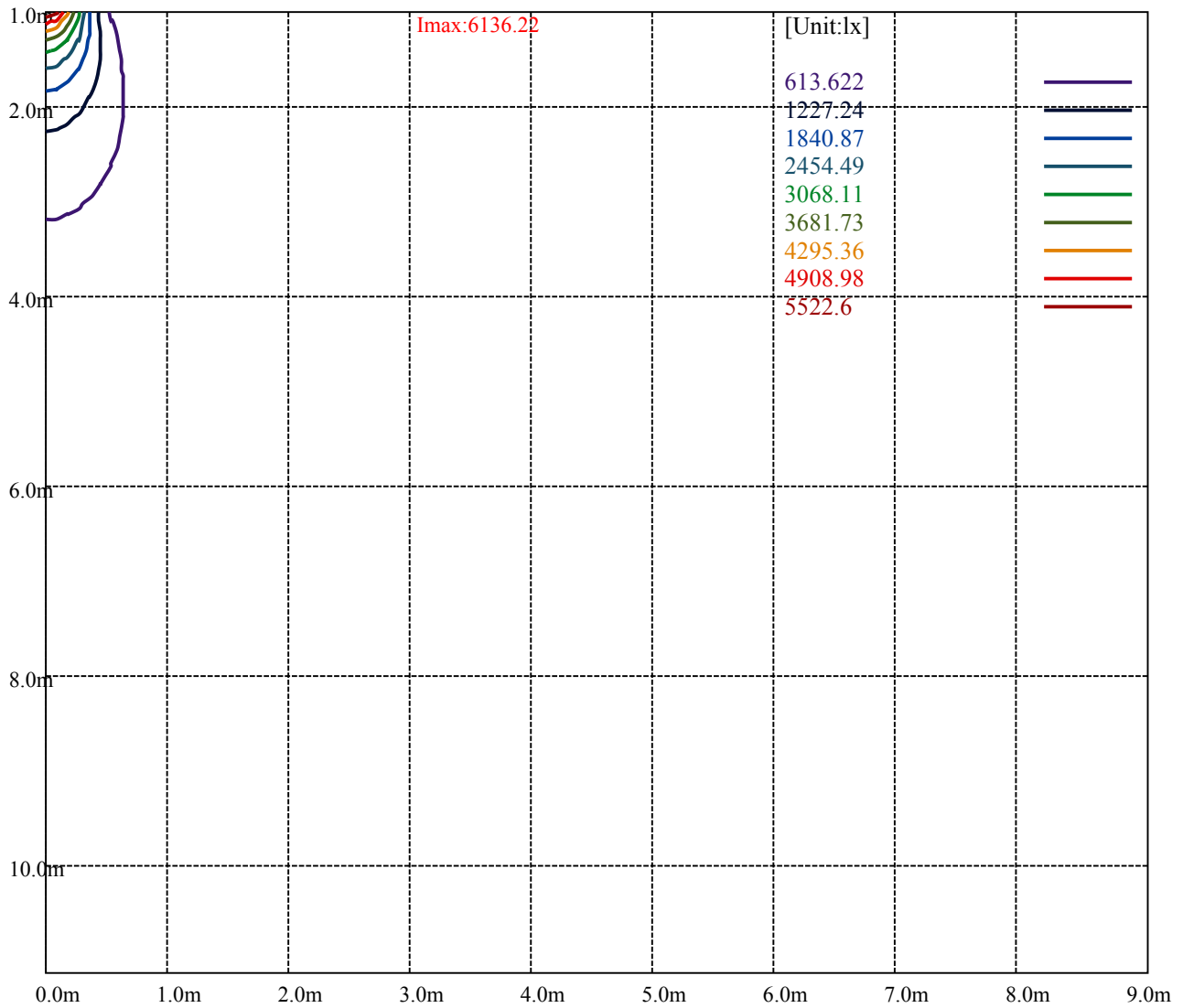
Road

**Imax:6136.22**

(10%Imax)	613.622	—
(20%Imax)	1227.24	—
(30%Imax)	1840.87	—
(40%Imax)	2454.49	—
(50%Imax)	3068.11	—
(60%Imax)	3681.73	—
(70%Imax)	4295.36	—
(80%Imax)	4908.98	—
(90%Imax)	5522.6	—



- (10%Emax) 153.4055
- (20%Emax) 306.81
- (30%Emax) 460.2175
- (40%Emax) 613.6225
- (50%Emax) 767.0275
- (60%Emax) 920.4325
- (70%Emax) 1073.84
- (80%Emax) 1227.245
- (90%Emax) 1380.65



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

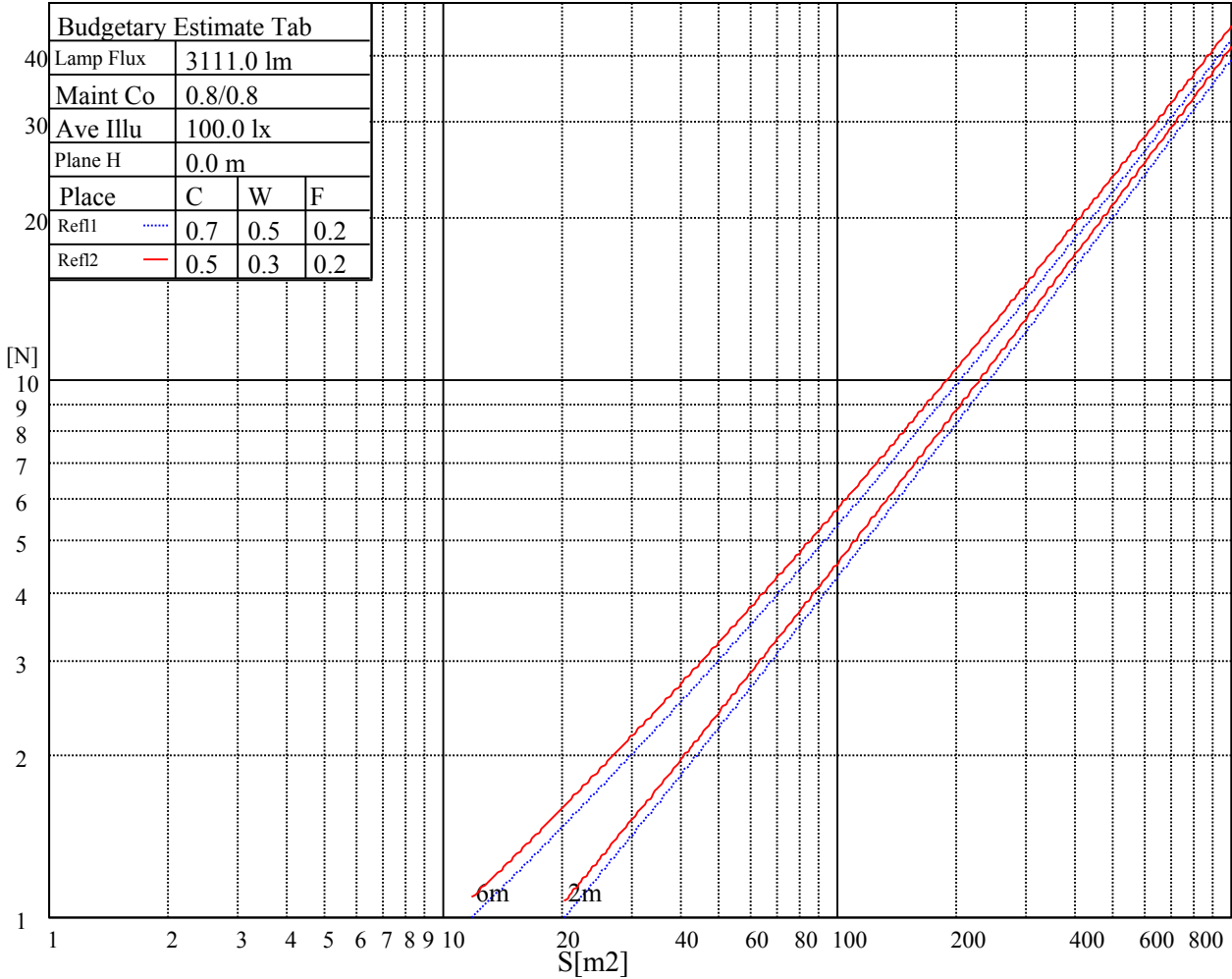
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

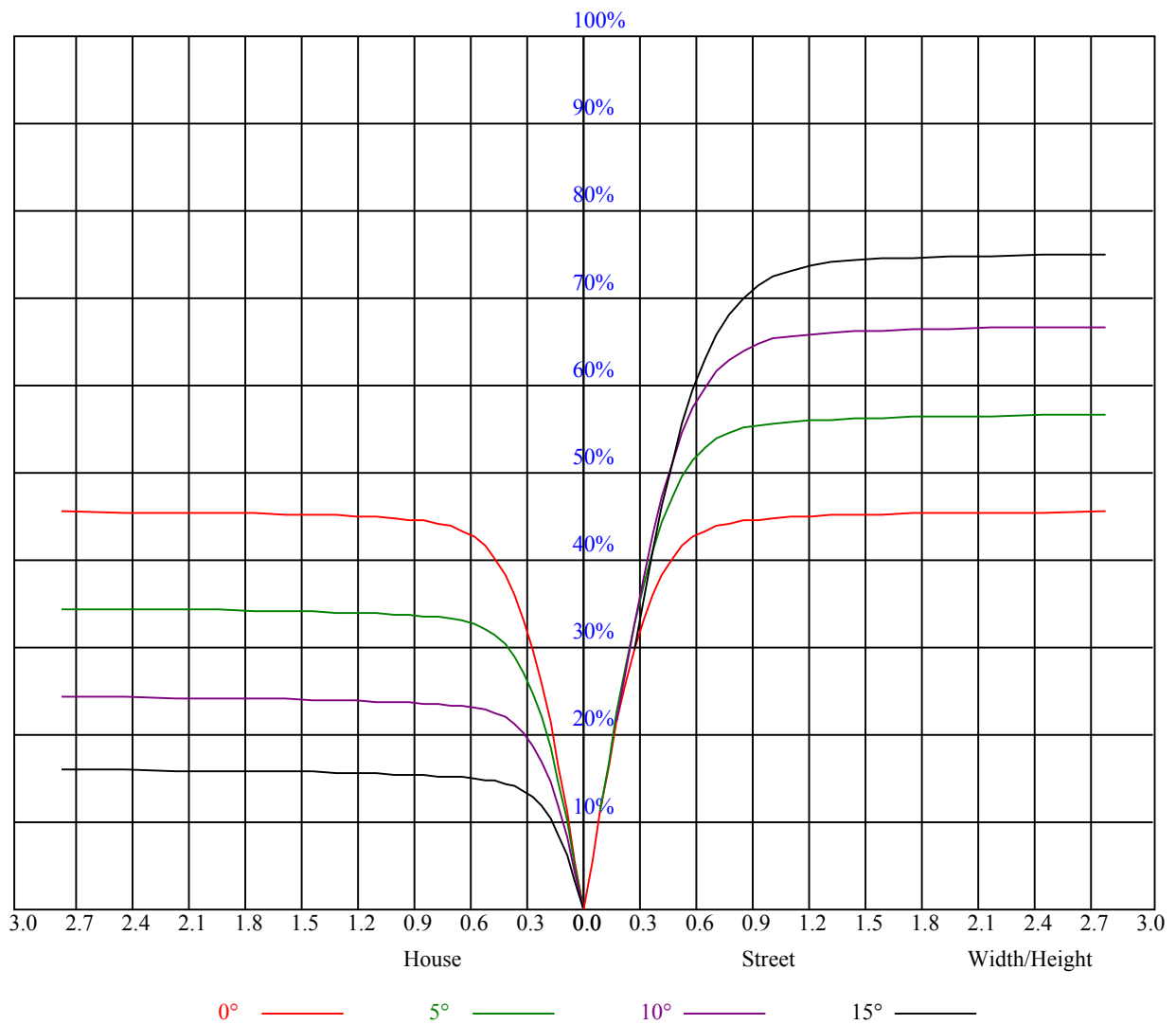


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.79	0.77
4	0.86	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
6	0.77	0.72	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
8	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
9	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.55





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	6117.68	6042.95	5974.87	5892.94	5774.49	5615.62	5478.90	5313.95	5091.42
45.0	6138.16	6134.84	6065.09	5989.26	5889.07	5762.31	5640.53	5478.90	5301.21
90.0	6135.39	6092.22	6014.17	5949.96	5807.15	5692.56	5563.59	5347.71	5182.76
135.0	6153.66	6153.11	6125.43	6050.70	5994.24	5884.64	5752.90	5622.27	5429.63
180.0	6117.68	6137.05	6144.25	6138.16	6090.00	6037.42	5917.30	5817.66	5700.87
225.0	6138.16	6148.12	6128.20	6077.83	6021.36	5931.69	5822.65	5672.64	5524.29
270.0	6135.39	6148.12	6150.89	6117.68	6063.99	6001.99	5917.30	5767.85	5641.64
315.0	6153.66	6144.80	6093.32	6028.01	5958.82	5834.82	5714.15	5576.88	5421.89
360.0	6117.68	6042.95	5974.87	5892.94	5774.49	5615.62	5478.90	5313.95	5091.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4907.10	4718.89	4470.36	4259.46	4057.42	3787.85	3570.31	3346.13	3073.79
45.0	5130.73	4957.47	4727.75	4520.17	4317.58	4110.00	3852.61	3641.71	3418.64
90.0	5005.07	4771.48	4565.01	4362.97	4157.61	3903.54	3688.76	3465.69	3247.04
135.0	5258.59	5094.75	4915.95	4661.33	4459.29	4250.60	4040.81	3761.83	3533.22
180.0	5514.33	5361.55	5188.29	5008.95	4763.18	4567.23	4365.74	4155.39	3880.29
225.0	5364.32	5158.40	4965.77	4774.25	4527.92	4326.99	4120.52	3853.16	3625.11
270.0	5494.95	5289.04	5119.10	4933.11	4686.24	4480.32	4282.71	4017.01	3797.81
315.0	5205.45	5028.87	4793.62	4584.94	4375.70	4121.08	3912.39	3699.28	3475.10
360.0	4907.10	4718.89	4470.36	4259.46	4057.42	3787.85	3570.31	3346.13	3073.79
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2852.92	2645.90	2440.54	2203.07	2015.42	1839.40	1667.25	1470.19	1103.97
45.0	3144.08	2927.10	2655.31	2447.74	2257.87	2070.78	1840.51	1662.27	1496.21
90.0	2966.40	2755.50	2493.13	2294.41	2101.78	1870.40	1697.14	1532.74	1268.15
135.0	3315.68	3045.00	2819.71	2612.69	2358.06	2163.77	1973.36	1751.94	1583.67
180.0	3664.96	3436.35	3160.14	2937.06	2716.20	2442.75	2238.50	2053.62	1825.56
225.0	3403.14	3120.84	2886.14	2673.03	2459.36	2208.06	2017.64	1838.29	1668.91
270.0	3570.31	3354.98	3071.02	2835.76	2625.42	2417.85	2170.41	1986.64	1811.17
315.0	3196.67	2973.04	2752.73	2541.28	2298.28	2107.87	1928.52	1758.03	1557.10
360.0	2852.92	2645.90	2440.54	2203.07	2015.42	1839.40	1667.25	1470.19	1103.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1103.97	1008.04	883.83	767.81	635.68	538.59	458.00	369.54	304.78
45.0	1341.77	1158.55	1022.38	894.51	749.49	644.87	549.11	452.79	383.05
90.0	1092.24	1055.70	923.96	802.13	667.12	565.55	479.81	405.41	321.16
135.0	1422.59	1270.92	1094.34	964.26	844.70	731.77	606.68	516.45	438.40
180.0	1653.41	1503.96	1307.45	1162.98	1026.81	897.84	751.15	647.08	552.43
225.0	1469.64	1073.36	1073.36	1039.49	882.56	766.65	637.78	542.41	464.03
270.0	1600.83	1450.82	1265.94	1127.55	995.26	872.37	726.79	624.39	531.95
315.0	1405.43	1090.13	1090.13	954.13	804.07	694.96	593.39	503.66	410.83
360.0	1103.97	1008.04	883.83	767.81	635.68	538.59	458.00	369.54	304.78
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	251.91	206.03	160.80	133.13	112.09	96.54	82.14	73.68	66.98
45.0	320.50	292.27	292.27	169.99	135.62	114.97	99.53	87.29	75.83
90.0	264.42	215.60	167.83	138.61	111.92	96.48	84.86	76.11	67.59
135.0	350.94	289.50	289.50	181.39	149.95	125.71	104.34	91.11	81.31
180.0	453.35	381.94	318.84	290.05	290.05	166.23	131.69	111.65	95.87
225.0	375.08	312.31	257.62	210.40	164.01	135.12	113.64	97.15	81.98
270.0	453.35	365.89	302.78	288.39	288.39	153.83	126.65	106.56	88.18
315.0	344.69	285.29	235.25	182.78	149.90	124.16	101.13	87.68	77.83
360.0	251.91	206.03	160.80	133.13	112.09	96.54	82.14	73.68	66.98

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	60.39	55.96	51.42	48.21	45.28	42.79	40.02	38.03	36.31
45.0	68.92	63.21	58.34	54.19	49.65	46.50	43.23	40.91	38.86
90.0	62.22	57.62	53.69	49.49	46.50	43.84	41.52	38.91	37.09
135.0	73.56	65.98	60.94	56.52	52.81	48.60	45.78	43.23	40.41
180.0	83.97	72.90	66.37	60.94	56.46	51.81	48.55	45.61	42.46
225.0	72.96	66.26	59.62	55.30	51.59	47.60	44.84	41.68	39.47
270.0	78.10	70.24	62.83	58.07	53.08	49.71	46.66	43.95	40.96
315.0	68.80	63.21	57.40	53.53	50.15	47.16	43.73	41.35	39.25
360.0	60.39	55.96	51.42	48.21	45.28	42.79	40.02	38.03	36.31
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.71	32.88	31.55	30.39	29.01	28.01	27.12	26.07	25.35
45.0	36.59	34.87	33.43	31.77	30.61	29.39	28.40	27.23	26.35
90.0	34.98	33.43	32.05	30.56	29.39	28.40	27.23	26.29	25.52
135.0	38.42	36.59	34.54	33.05	31.39	30.17	29.01	27.95	26.79
180.0	40.19	38.19	35.92	34.32	32.88	31.27	30.11	29.01	28.06
225.0	37.53	35.81	34.21	32.44	31.16	30.00	28.95	27.73	26.79
270.0	38.80	36.98	35.20	33.32	31.94	30.67	29.56	28.29	27.34
315.0	37.36	35.20	33.65	32.27	31.00	29.61	28.51	27.34	26.51
360.0	34.71	32.88	31.55	30.39	29.01	28.01	27.12	26.07	25.35
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.63	23.80	23.19	22.58	21.75	21.20	20.59	20.04	19.32
45.0	25.52	24.80	23.91	23.30	22.69	21.92	21.31	20.54	19.93
90.0	24.80	23.91	23.30	22.64	21.98	21.20	20.65	20.04	19.37
135.0	25.91	25.13	24.41	23.75	22.97	22.31	21.70	20.92	20.31
180.0	26.90	26.02	25.24	24.52	23.69	23.08	22.42	21.64	21.03
225.0	25.79	25.02	24.36	23.53	22.92	22.31	21.53	20.98	20.37
270.0	26.29	25.46	24.74	23.91	23.30	22.69	22.09	21.37	20.76
315.0	25.68	24.74	24.08	23.47	22.81	22.03	21.42	20.87	20.31
360.0	24.63	23.80	23.19	22.58	21.75	21.20	20.59	20.04	19.32
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.82	18.27	17.77	17.16	16.72	16.16	15.72	15.22	14.67
45.0	19.37	18.82	18.16	17.66	17.16	16.55	16.11	15.67	15.22
90.0	18.82	18.16	17.66	17.16	16.72	16.11	15.67	15.22	14.72
135.0	19.60	19.04	18.43	17.77	17.33	16.83	16.33	15.78	15.39
180.0	20.31	19.71	19.15	18.49	17.93	17.49	16.94	16.38	15.89
225.0	19.82	19.15	18.65	18.10	17.60	16.99	16.50	15.94	15.50
270.0	20.20	19.65	18.99	18.49	17.93	17.33	16.88	16.27	15.83
315.0	19.60	19.04	18.49	17.82	17.33	16.88	16.27	15.83	15.28
360.0	18.82	18.27	17.77	17.16	16.72	16.16	15.72	15.22	14.67
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	13.84	13.56	13.17	12.95	12.68	12.40	12.12	12.07
45.0	14.61	14.23	13.73	13.40	13.06	12.79	12.51	12.18	11.96
90.0	14.23	13.78	13.40	13.12	12.84	12.57	12.29	12.01	11.96
135.0	14.89	14.34	13.89	13.45	13.17	12.84	12.57	12.29	12.01
180.0	15.50	14.95	14.45	14.00	13.56	13.28	13.06	12.68	12.40
225.0	15.00	14.56	14.12	13.73	13.34	13.06	12.79	12.51	12.23
270.0	15.39	14.78	14.34	14.00	13.62	13.23	12.90	12.62	12.34
315.0	14.78	14.39	14.00	13.56	13.23	12.90	12.62	12.34	12.12
360.0	14.28	13.84	13.56	13.17	12.95	12.68	12.40	12.12	12.07

Intensity data(cd)

C/γ(°)	90.0
0.0	12.07
45.0	11.96
90.0	11.96
135.0	12.01
180.0	12.12
225.0	12.07
270.0	12.01
315.0	11.96
360.0	12.07