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NATA

Client:

LumCAT: 1-1379-L

Luminaire: 92.70.410.00

Report No: 2023629-B013

Ballast type: AC

Test No: 2023629-C013

Voltage(V): 34.930

LampCAT: FORTIMO SLM C 1204

Current(A): 0.301

Lamp flux(lm): 1660.3

Power (W): 10.513

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1542.26, Efficiency(%): 92.89% , Luminous Efficacy(lm/W): 146.70

Central intensity(cd): 3673.071, Maximum intensity(cd): 3673.071

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=36.8

[C90/270]Total=36.8

Field angle(10%Imax): [C0/180]Total=60.2

[C90/270]Total=60.2

Maximum s/h(1/2): C0_180=0.61 C90_270=0.61

Maximum s/h(1/4): C0_180=0.59 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.89%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.207%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2023/6/29
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3673.071	0.000	0	0.00%	0.00%
1.0	3671.618	3.514	3.514	0.21%	0.23%
2.0	3661.032	10.525	14.039	0.63%	0.91%
3.0	3640.274	17.462	31.501	1.05%	2.04%
4.0	3614.189	24.283	55.784	1.46%	3.62%
5.0	3568.176	30.898	86.682	1.86%	5.62%
6.0	3514.414	37.221	123.903	2.24%	8.03%
7.0	3449.166	43.223	167.126	2.60%	10.84%
8.0	3363.783	48.759	215.885	2.94%	14.00%
9.0	3270.443	53.767	269.652	3.24%	17.48%
10.0	3155.653	58.154	327.806	3.50%	21.25%
11.0	3039.065	61.898	389.704	3.73%	25.27%
12.0	2894.869	64.866	454.57	3.91%	29.47%
13.0	2742.785	66.905	521.475	4.03%	33.81%
14.0	2581.429	68.149	589.624	4.10%	38.23%
15.0	2423.118	68.705	658.329	4.14%	42.69%
16.0	2254.843	68.545	726.874	4.13%	47.13%
17.0	2077.296	67.463	794.337	4.06%	51.50%
18.0	1911.374	65.765	860.102	3.96%	55.77%
19.0	1731.267	63.374	923.476	3.82%	59.88%
20.0	1542.905	59.926	983.402	3.61%	63.76%
21.0	1366.175	55.860	1039.263	3.36%	67.39%
22.0	1250.915	52.592	1091.854	3.17%	70.80%
23.0	1102.450	49.380	1141.234	2.97%	74.00%
24.0	987.868	45.702	1186.936	2.75%	76.96%
25.0	864.007	42.108	1229.044	2.54%	79.69%
26.0	750.470	38.110	1267.154	2.30%	82.16%
27.0	639.666	34.010	1301.164	2.05%	84.37%
28.0	546.769	30.038	1331.202	1.81%	86.32%
29.0	453.920	26.181	1357.382	1.58%	88.01%
30.0	375.775	22.402	1379.784	1.35%	89.47%
31.0	309.821	19.079	1398.863	1.15%	90.70%
32.0	262.674	16.401	1415.264	0.99%	91.77%
33.0	206.580	13.824	1429.089	0.83%	92.66%
34.0	164.670	11.235	1440.324	0.68%	93.39%
35.0	115.966	8.716	1449.039	0.52%	93.96%
36.0	94.392	6.698	1455.737	0.40%	94.39%
37.0	80.367	5.700	1461.437	0.34%	94.76%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	70.050	5.021	1466.458	0.30%	95.09%
39.0	60.868	4.469	1470.926	0.27%	95.37%
40.0	54.323	4.017	1474.944	0.24%	95.64%
41.0	48.033	3.645	1478.589	0.22%	95.87%
42.0	43.058	3.310	1481.898	0.20%	96.09%
43.0	38.242	3.012	1484.91	0.18%	96.28%
44.0	34.638	2.751	1487.66	0.17%	96.46%
45.0	31.102	2.526	1490.187	0.15%	96.62%
46.0	28.216	2.320	1492.507	0.14%	96.77%
47.0	25.816	2.149	1494.656	0.13%	96.91%
48.0	23.837	2.007	1496.663	0.12%	97.04%
49.0	22.218	1.891	1498.554	0.11%	97.17%
50.0	20.605	1.785	1500.339	0.11%	97.28%
51.0	19.325	1.689	1502.029	0.10%	97.39%
52.0	18.239	1.612	1503.641	0.10%	97.50%
53.0	17.270	1.545	1505.185	0.09%	97.60%
54.0	16.392	1.484	1506.669	0.09%	97.69%
55.0	15.603	1.428	1508.097	0.09%	97.79%
56.0	14.925	1.379	1509.477	0.08%	97.87%
57.0	14.309	1.337	1510.813	0.08%	97.96%
58.0	13.748	1.297	1512.111	0.08%	98.05%
59.0	13.243	1.262	1513.373	0.08%	98.13%
60.0	12.766	1.229	1514.601	0.07%	98.21%
61.0	12.372	1.200	1515.801	0.07%	98.28%
62.0	11.936	1.171	1516.972	0.07%	98.36%
63.0	11.576	1.143	1518.116	0.07%	98.43%
64.0	11.251	1.120	1519.236	0.07%	98.51%
65.0	10.946	1.099	1520.334	0.07%	98.58%
66.0	10.662	1.078	1521.413	0.06%	98.65%
67.0	10.386	1.058	1522.471	0.06%	98.72%
68.0	10.130	1.039	1523.51	0.06%	98.78%
69.0	9.888	1.021	1524.531	0.06%	98.85%
70.0	9.680	1.005	1525.536	0.06%	98.92%
71.0	9.452	0.989	1526.525	0.06%	98.98%
72.0	9.223	0.971	1527.496	0.06%	99.04%
73.0	9.023	0.954	1528.45	0.06%	99.10%
74.0	8.815	0.938	1529.388	0.06%	99.17%
75.0	8.607	0.921	1530.309	0.06%	99.23%

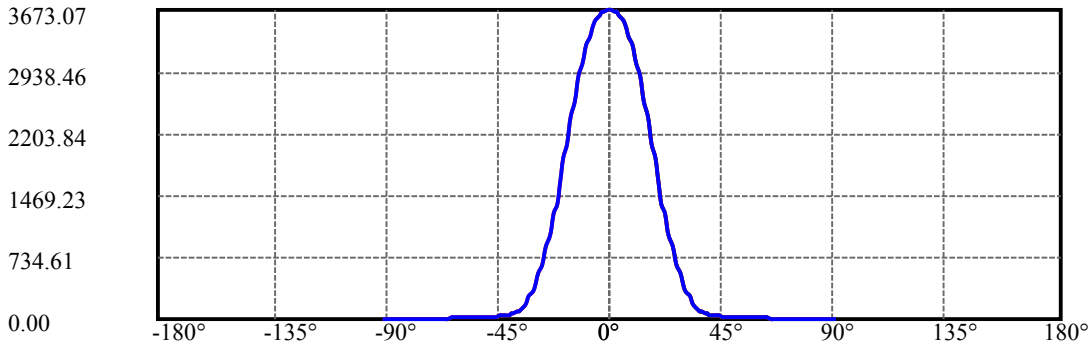
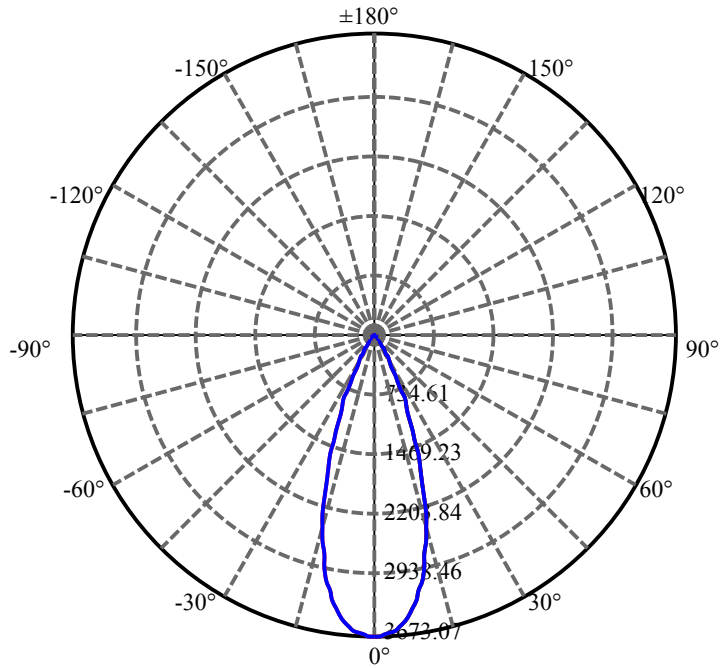
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.400	0.903	1531.211	0.05%	99.28%
77.0	8.213	0.886	1532.097	0.05%	99.34%
78.0	7.999	0.868	1532.965	0.05%	99.40%
79.0	7.826	0.850	1533.815	0.05%	99.45%
80.0	7.646	0.834	1534.649	0.05%	99.51%
81.0	7.493	0.819	1535.468	0.05%	99.56%
82.0	7.334	0.804	1536.272	0.05%	99.61%
83.0	7.196	0.790	1537.062	0.05%	99.66%
84.0	7.037	0.775	1537.837	0.05%	99.71%
85.0	6.919	0.762	1538.599	0.05%	99.76%
86.0	6.808	0.750	1539.349	0.05%	99.81%
87.0	6.698	0.739	1540.089	0.04%	99.86%
88.0	6.622	0.730	1540.818	0.04%	99.91%
89.0	6.546	0.722	1541.54	0.04%	99.95%
90.0	6.518	0.716	1542.256	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1379.78	83.10%	89.47%
0-40	1474.94	88.83%	95.64%
0-60	1514.60	91.22%	98.21%
0-90	1541.54	92.85%	99.95%
0-120	1541.54	92.85%	99.95%
0-180	1542.26	92.89%	100.00%
60-90	26.94	1.62%	1.75%
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%
0-25.12	1233.81	74.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	327.81
10-20	655.60
20-30	396.38
30-40	95.16
40-50	25.40
50-60	14.26
60-70	10.93
70-80	9.11
80-90	6.89
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



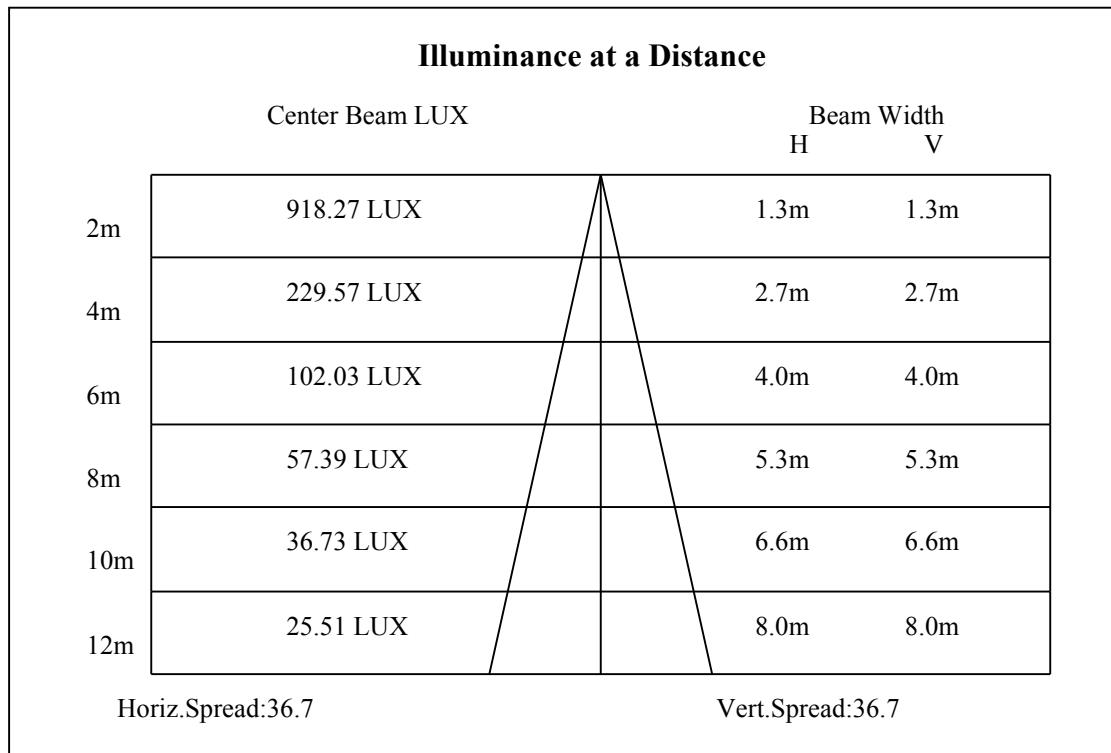
C0(Max): —————

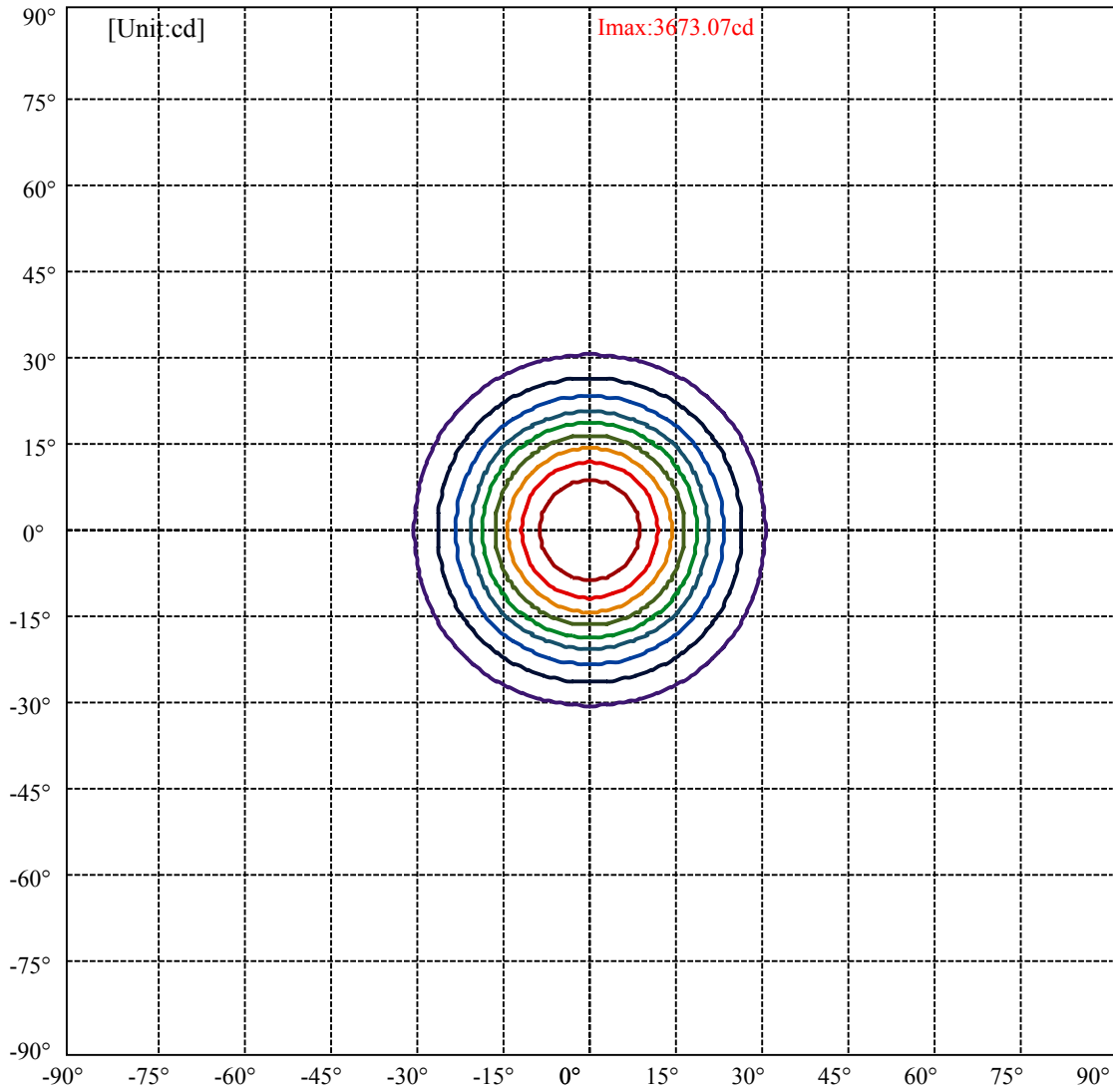
C0/C180: —————

C90/C270: —————

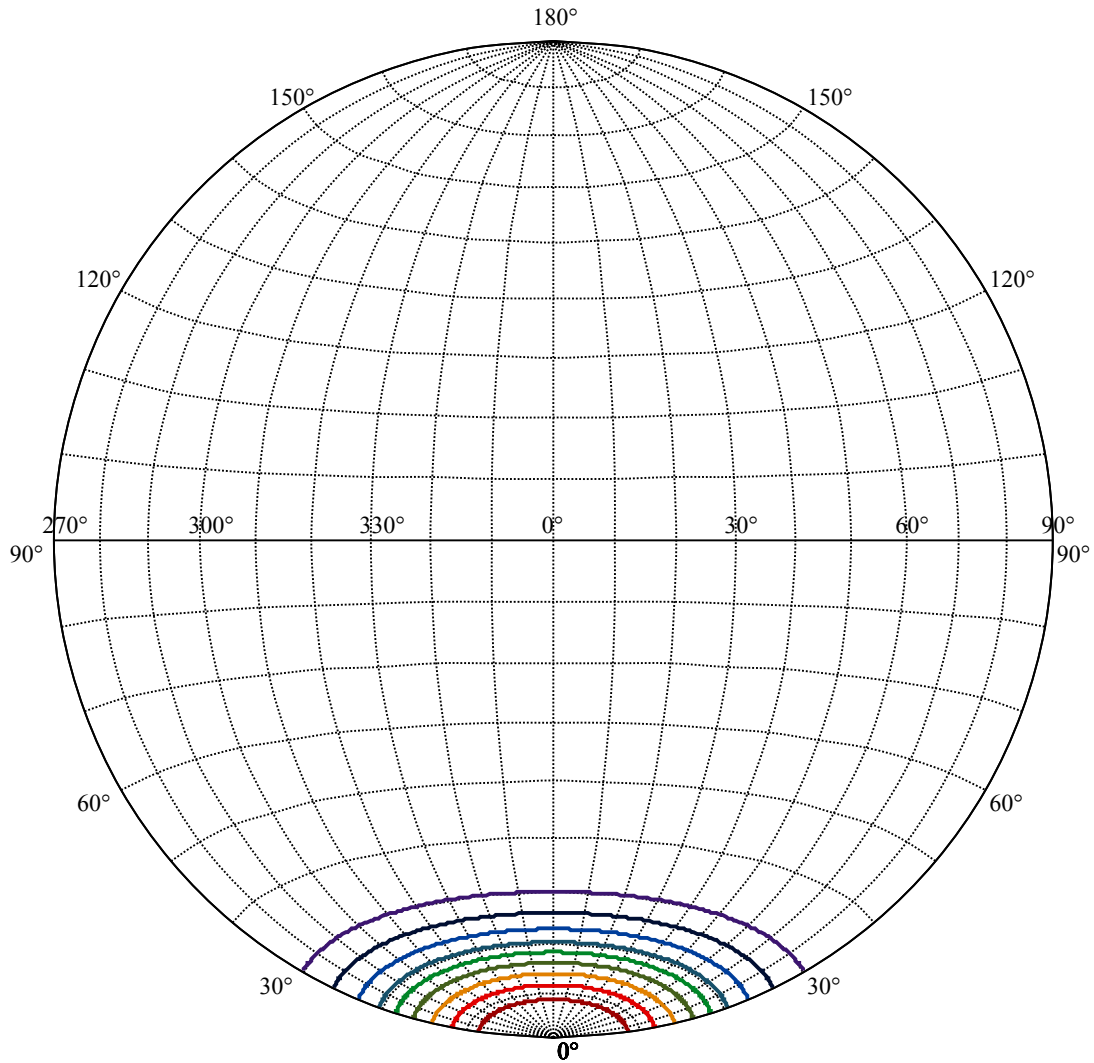
Field angle(10%Imax):C0/180Left:30.1 Right:30.1
:C90/270Left:30.1 Right:30.1

Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4





(10%I _{max}) 367.307	—
(20%I _{max}) 734.614	—
(30%I _{max}) 1101.92	—
(40%I _{max}) 1469.23	—
(50%I _{max}) 1836.54	—
(60%I _{max}) 2203.84	—
(70%I _{max}) 2571.15	—
(80%I _{max}) 2938.46	—
(90%I _{max}) 3305.76	—



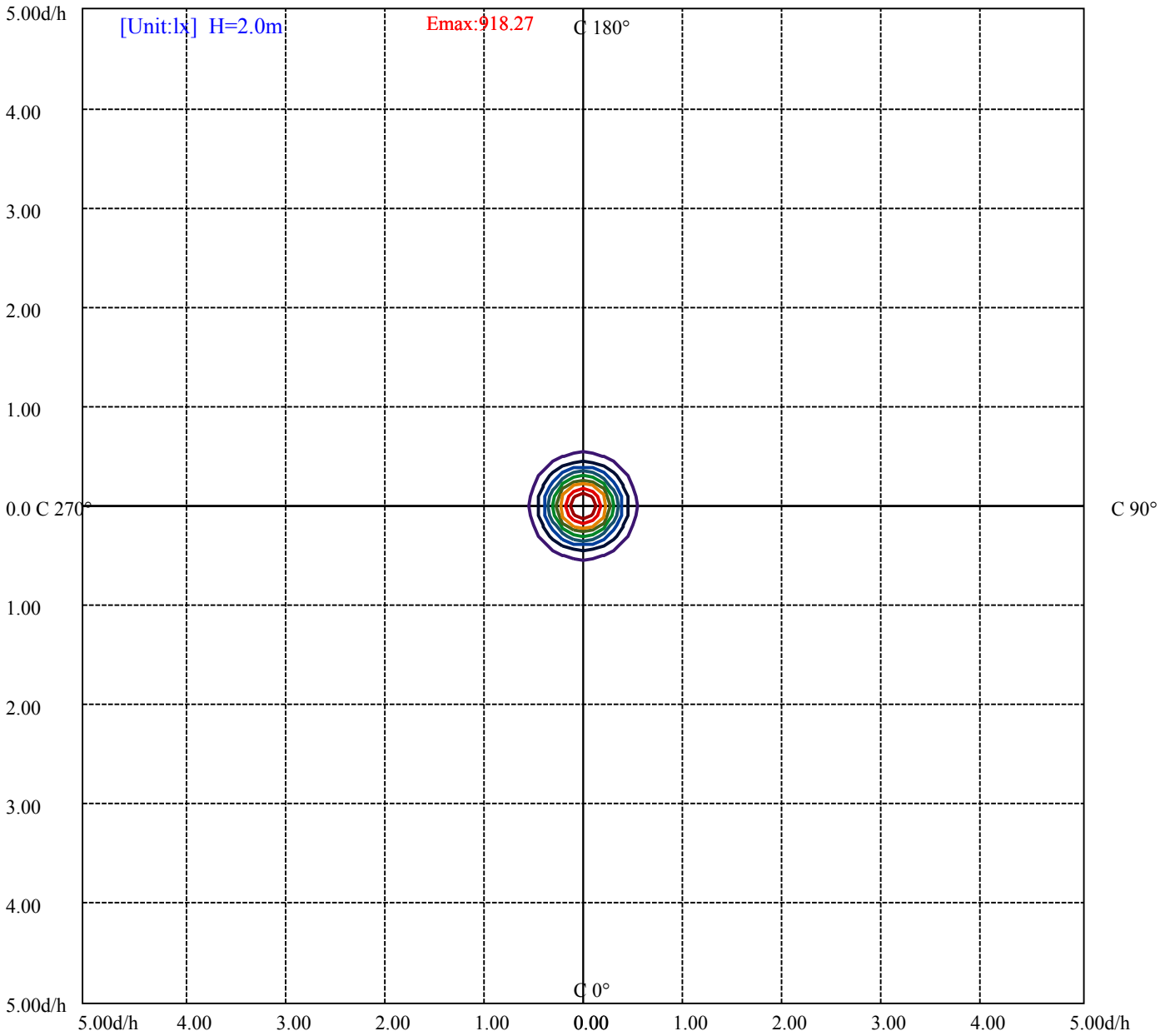
House

[Unit:cd]

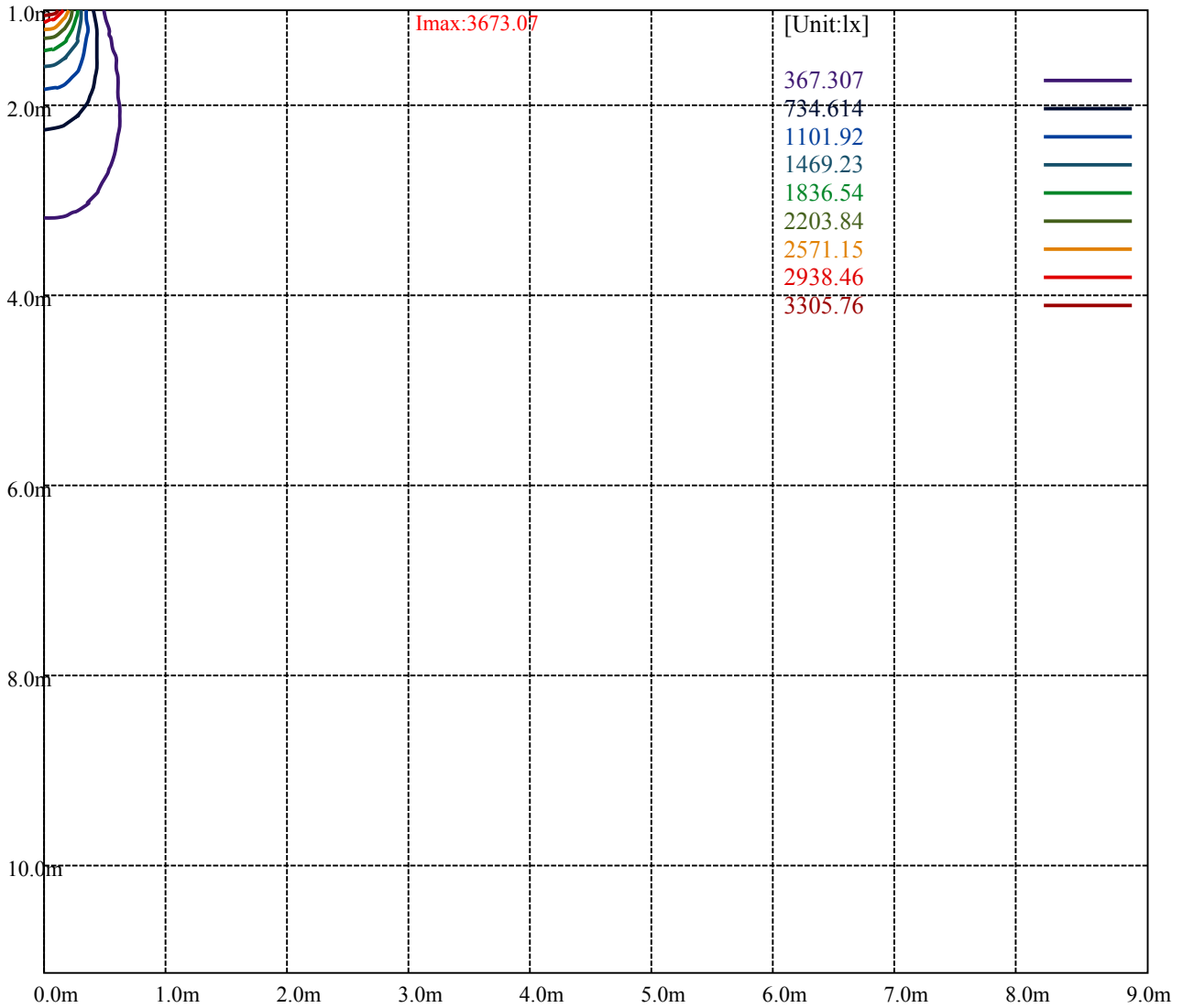
Road

Imax:3673.07

(10%Imax)	367.307	—
(20%Imax)	734.614	—
(30%Imax)	1101.92	—
(40%Imax)	1469.23	—
(50%Imax)	1836.54	—
(60%Imax)	2203.84	—
(70%Imax)	2571.15	—
(80%Imax)	2938.46	—
(90%Imax)	3305.76	—



- (10%Emax) 91.82675
- (20%Emax) 183.6535
- (30%Emax) 275.48
- (40%Emax) 367.3075
- (50%Emax) 459.135
- (60%Emax) 550.96
- (70%Emax) 642.7875
- (80%Emax) 734.615
- (90%Emax) 826.44



Luminance Table

γ	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

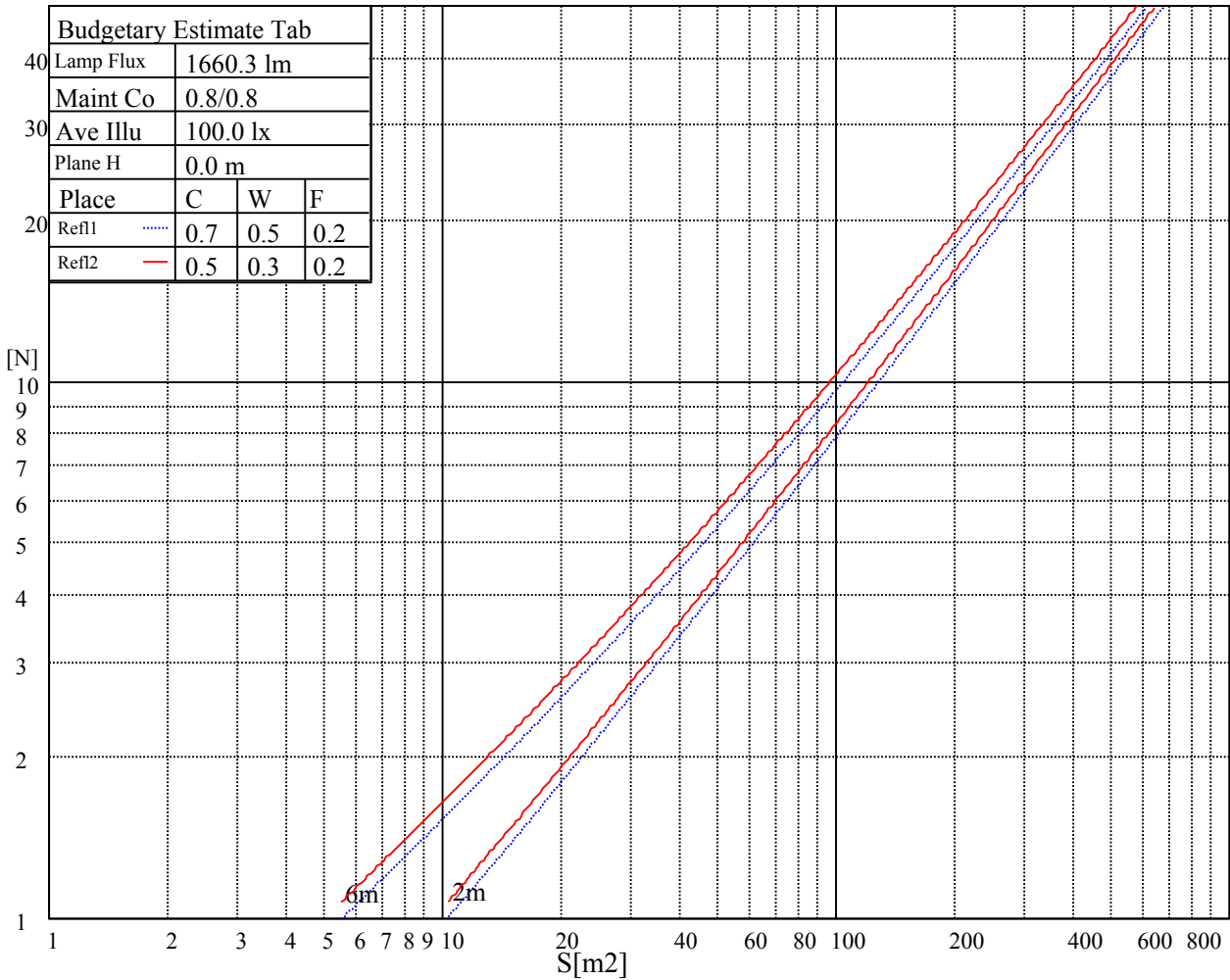
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

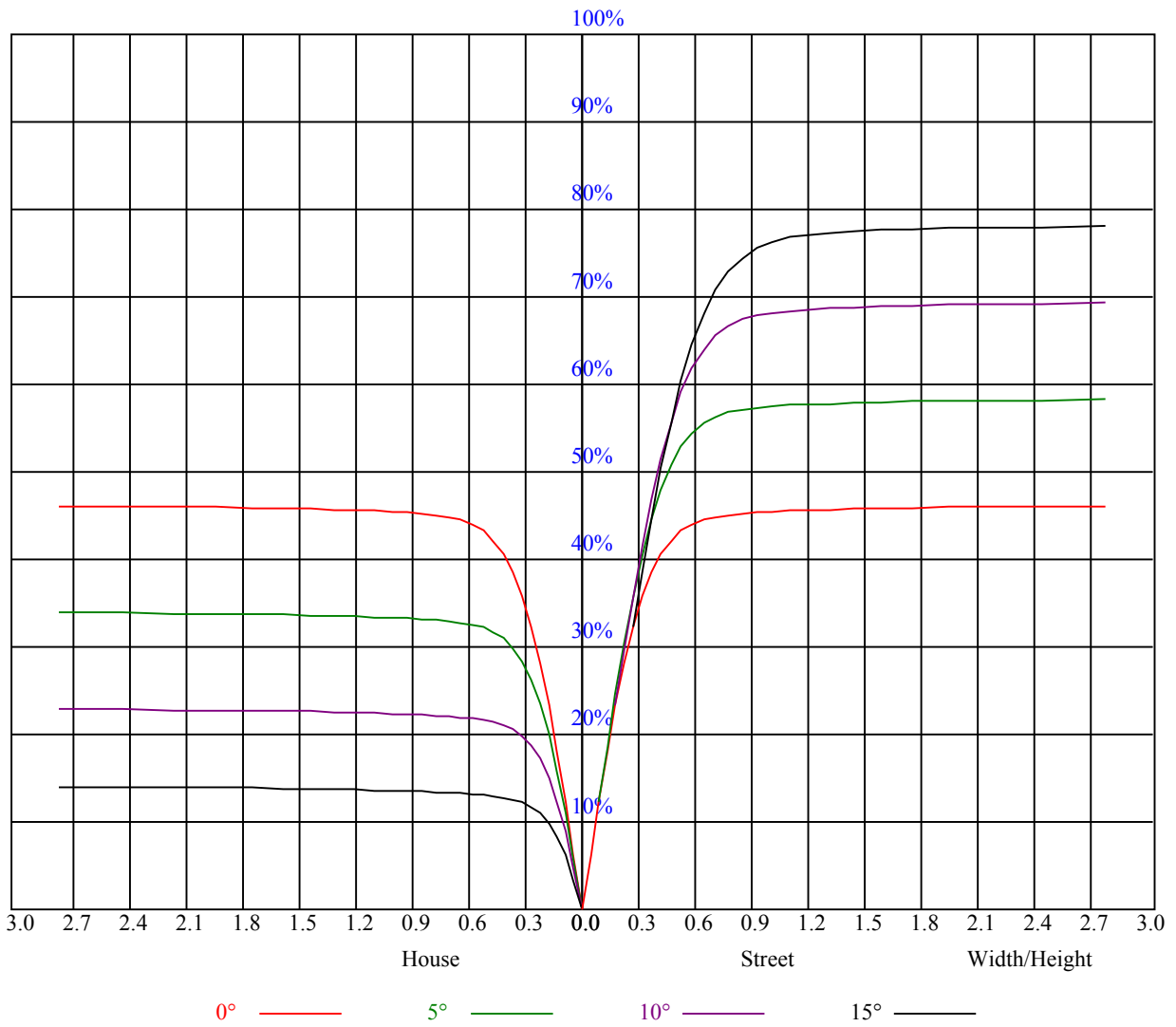


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
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	
	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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.88
2	0.98	0.94	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.88	0.86	0.85	0.84
3	0.93	0.89	0.85	0.91	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.69
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
9	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.64	0.61	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59



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	3678.19	3678.74	3670.44	3630.03	3589.07	3506.04	3427.99	3336.11	3207.13
45.0	3672.10	3679.30	3672.66	3649.41	3613.43	3561.40	3501.06	3430.21	3329.46
90.0	3665.46	3655.50	3630.03	3592.39	3548.11	3494.42	3415.26	3338.87	3255.29
135.0	3676.53	3662.69	3643.87	3625.61	3586.30	3546.45	3500.51	3445.15	3366.55
180.0	3678.19	3666.57	3653.28	3642.77	3625.61	3592.39	3559.73	3512.68	3460.65
225.0	3672.10	3671.55	3659.92	3636.12	3617.30	3578.00	3529.84	3468.40	3392.01
270.0	3665.46	3677.64	3677.08	3670.44	3678.74	3649.41	3624.50	3578.55	3499.95
315.0	3676.53	3680.96	3680.96	3675.42	3654.94	3617.30	3556.41	3483.35	3399.21
360.0	3678.19	3678.74	3670.44	3630.03	3589.07	3506.04	3427.99	3336.11	3207.13
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3089.23	2955.27	2809.69	2659.69	2463.73	2301.55	2132.17	1916.29	1756.87
45.0	3238.13	3084.80	2963.58	2826.85	2642.53	2486.43	2322.03	2154.86	1951.16
90.0	3124.10	3011.73	2879.99	2702.86	2549.53	2359.12	2200.80	2042.49	1886.40
135.0	3292.93	3204.36	3101.41	2955.27	2826.85	2651.38	2495.84	2339.19	2143.24
180.0	3379.84	3302.34	3212.11	3084.25	2974.65	2849.55	2681.27	2537.91	2353.03
225.0	3311.75	3191.08	3082.03	2960.81	2796.96	2654.70	2514.11	2362.99	2209.11
270.0	3434.08	3346.62	3244.22	3086.46	2950.85	2808.59	2664.11	2470.93	2308.74
315.0	3293.48	3149.01	3019.48	2882.76	2737.18	2540.12	2374.61	2214.09	2009.83
360.0	3089.23	2955.27	2809.69	2659.69	2463.73	2301.55	2132.17	1916.29	1756.87
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1593.57	1401.50	1100.76	1100.76	982.97	869.49	757.74	636.40	550.88
45.0	1787.31	1625.68	1466.26	1283.59	1149.64	1026.20	871.76	753.31	648.14
90.0	1728.08	1529.92	1276.95	1101.32	1101.32	937.52	812.87	701.16	597.87
135.0	1987.69	1833.81	1674.94	1484.53	1341.72	1203.33	1066.61	902.76	782.09
180.0	2201.36	2040.83	1887.50	1737.49	1548.74	1389.87	1262.56	1124.73	975.28
225.0	2006.51	1850.42	1691.00	1503.35	1362.20	1075.19	1075.19	960.44	849.68
270.0	2148.77	1937.87	1773.47	1618.48	1420.87	1274.18	1121.41	1005.72	895.57
315.0	1837.68	1630.11	1472.35	1099.88	1099.88	1043.80	934.81	827.54	704.26
360.0	1593.57	1401.50	1100.76	1100.76	982.97	869.49	757.74	636.40	550.88
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	473.49	402.81	319.22	257.06	201.87	156.26	122.44	95.43	82.14
45.0	531.89	449.97	361.96	297.75	281.69	281.69	136.28	110.32	93.71
90.0	483.29	405.08	317.67	255.12	199.16	143.48	113.42	94.54	81.04
135.0	667.51	544.62	461.04	386.31	301.62	285.57	285.57	135.17	109.77
180.0	847.41	738.92	611.60	518.61	412.88	344.24	280.59	280.59	152.22
225.0	713.40	613.26	522.87	422.62	351.61	285.62	228.06	167.67	131.35
270.0	784.31	685.22	578.94	500.34	424.51	357.53	292.21	292.21	166.12
315.0	616.03	534.27	458.05	368.38	305.22	246.99	194.07	141.43	111.37
360.0	473.49	402.81	319.22	257.06	201.87	156.26	122.44	95.43	82.14
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	69.69	61.94	55.08	48.05	43.29	39.02	34.15	30.83	28.23
45.0	82.37	70.96	63.32	56.74	51.09	44.95	40.68	35.92	32.55
90.0	72.02	64.60	57.96	50.98	45.94	41.57	37.64	32.94	29.95
135.0	94.21	81.26	72.46	64.93	58.67	51.64	46.83	42.51	38.42
180.0	122.11	101.08	87.13	74.28	65.93	58.79	52.36	45.78	41.46
225.0	105.61	90.00	76.06	66.87	59.17	51.37	46.05	40.63	36.64
270.0	121.78	98.42	83.81	70.02	61.61	53.25	47.49	42.84	38.80
315.0	87.35	74.67	64.60	55.08	48.88	43.67	39.25	34.49	31.05
360.0	69.69	61.94	55.08	48.05	43.29	39.02	34.15	30.83	28.23

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	25.96	23.64	21.98	20.59	19.37	18.10	17.21	16.27	15.55
45.0	29.84	26.96	24.96	23.14	21.64	19.98	18.82	17.82	16.99
90.0	27.57	24.91	23.14	21.20	19.87	18.76	17.82	16.72	15.94
135.0	33.82	30.89	28.45	25.74	23.91	21.92	20.59	19.43	18.43
180.0	36.37	32.60	29.01	26.74	24.69	22.92	21.03	19.76	18.65
225.0	32.88	29.89	27.01	25.02	23.30	21.75	20.15	19.04	18.05
270.0	34.15	30.94	28.40	26.29	24.41	22.36	20.92	19.76	18.49
315.0	28.23	25.91	23.58	21.98	20.54	19.04	18.05	17.10	16.05
360.0	25.96	23.64	21.98	20.59	19.37	18.10	17.21	16.27	15.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.95	14.23	13.73	13.23	12.73	12.40	12.01	11.68	11.35
45.0	16.00	15.28	14.67	13.95	13.45	13.01	12.45	12.07	11.62
90.0	15.28	14.61	13.95	13.40	12.95	12.40	12.07	11.68	11.29
135.0	17.27	16.50	15.78	15.11	14.39	13.84	13.34	12.90	12.34
180.0	17.71	16.66	15.89	15.28	14.72	14.06	13.56	13.17	12.62
225.0	16.99	16.22	15.55	14.83	14.28	13.73	13.17	12.73	12.34
270.0	17.55	16.55	15.83	15.17	14.45	13.89	13.40	12.95	12.45
315.0	15.39	14.78	14.00	13.51	13.01	12.62	12.12	11.79	11.46
360.0	14.95	14.23	13.73	13.23	12.73	12.40	12.01	11.68	11.35
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.07	10.79	10.52	10.24	10.02	9.80	9.58	9.35	9.13
45.0	11.29	11.02	10.74	10.52	10.19	9.96	9.74	9.58	9.30
90.0	11.02	10.68	10.41	10.19	9.96	9.74	9.47	9.30	9.08
135.0	11.96	11.57	11.24	10.96	10.63	10.35	10.13	9.91	9.63
180.0	12.29	11.85	11.51	11.18	10.90	10.57	10.35	10.13	9.85
225.0	11.85	11.57	11.24	10.96	10.68	10.35	10.13	9.85	9.63
270.0	12.07	11.73	11.40	11.02	10.74	10.46	10.19	9.96	9.80
315.0	11.07	10.79	10.52	10.24	9.96	9.80	9.52	9.35	9.19
360.0	11.07	10.79	10.52	10.24	10.02	9.80	9.58	9.35	9.13
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.97	8.75	8.52	8.30	8.14	7.92	7.75	7.58	7.42
45.0	9.08	8.91	8.64	8.47	8.25	8.08	7.86	7.64	7.47
90.0	8.86	8.64	8.47	8.25	8.08	7.92	7.69	7.53	7.36
135.0	9.41	9.19	9.02	8.75	8.58	8.36	8.14	7.97	7.75
180.0	9.63	9.41	9.24	9.02	8.80	8.64	8.36	8.19	8.03
225.0	9.41	9.19	8.97	8.80	8.52	8.36	8.14	7.97	7.75
270.0	9.52	9.35	9.08	8.91	8.69	8.47	8.25	8.08	7.92
315.0	8.91	8.75	8.58	8.36	8.14	7.97	7.80	7.64	7.47
360.0	8.97	8.75	8.52	8.30	8.14	7.92	7.75	7.58	7.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.31	7.14	7.03	6.86	6.75	6.70	6.64	6.53	6.53
45.0	7.36	7.20	7.03	6.92	6.81	6.70	6.59	6.53	6.48
90.0	7.20	7.09	6.92	6.86	6.75	6.70	6.59	6.48	6.48
135.0	7.58	7.42	7.25	7.09	6.97	6.81	6.70	6.64	6.53
180.0	7.80	7.64	7.47	7.31	7.14	7.03	6.86	6.81	6.70
225.0	7.58	7.42	7.36	7.14	7.03	6.92	6.75	6.70	6.59
270.0	7.75	7.58	7.42	7.20	7.09	6.92	6.81	6.70	6.59
315.0	7.36	7.20	7.09	6.92	6.81	6.70	6.64	6.59	6.48
360.0	7.31	7.14	7.03	6.86	6.75	6.70	6.64	6.53	6.53

Intensity data(cd)

C/γ(°)	90.0
0.0	6.53
45.0	6.53
90.0	6.48
135.0	6.48
180.0	6.59
225.0	6.53
270.0	6.53
315.0	6.48
360.0	6.53