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NT

Client:

LumCAT: 1-1377-L

Luminaire: 92.70.427.00

Report No: 20231122-B001

Ballast type: AC

Test No: 20231123-C001

Voltage(V): 34.530

LampCAT: LUMINUS CXM-9-AC40

Current(A): 0.331

Lamp flux(lm): 1706.1

Power (W): 11.429

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1588.81, Efficiency(%): 93.12% , Luminous Efficacy(lm/W): 139.02

Central intensity(cd): 6765.317, Maximum intensity(cd): 6765.317

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

Beam Angle(50%Imax): [C0/180]Total=21.6

[C90/270]Total=21.6

Field angle(10%Imax): [C0/180]Total=51.8

[C90/270]Total=51.8

Maximum s/h(1/2): C0\_180=0.37 C90\_270=0.37

Maximum s/h(1/4): C0\_180=0.40 C90\_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.12%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.076%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/11/23  
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	6765.317	0.000	0	0.00%	0.00%
1.0	6727.815	6.456	6.456	0.38%	0.41%
2.0	6622.989	19.162	25.619	1.12%	1.61%
3.0	6436.793	31.235	56.853	1.83%	3.58%
4.0	6191.577	42.271	99.124	2.48%	6.24%
5.0	5875.231	51.911	151.035	3.04%	9.51%
6.0	5487.341	59.713	210.749	3.50%	13.26%
7.0	5069.006	65.523	276.272	3.84%	17.39%
8.0	4619.535	69.339	345.611	4.06%	21.75%
9.0	4168.610	71.223	416.834	4.17%	26.24%
10.0	3717.479	71.366	488.2	4.18%	30.73%
11.0	3302.949	70.148	558.348	4.11%	35.14%
12.0	2900.805	67.816	626.164	3.97%	39.41%
13.0	2578.440	65.025	691.189	3.81%	43.50%
14.0	2282.160	62.215	753.404	3.65%	47.42%
15.0	2037.358	59.300	812.705	3.48%	51.15%
16.0	1830.336	56.673	869.377	3.32%	54.72%
17.0	1637.567	54.005	923.382	3.17%	58.12%
18.0	1480.086	51.403	974.785	3.01%	61.35%
19.0	1314.143	48.614	1023.399	2.85%	64.41%
20.0	1196.067	45.944	1069.343	2.69%	67.30%
21.0	1115.603	44.389	1113.732	2.60%	70.10%
22.0	1014.417	42.804	1156.535	2.51%	72.79%
23.0	922.129	40.634	1197.169	2.38%	75.35%
24.0	828.899	38.284	1235.453	2.24%	77.76%
25.0	747.557	35.845	1271.298	2.10%	80.02%
26.0	666.866	33.388	1304.686	1.96%	82.12%
27.0	585.752	30.646	1335.331	1.80%	84.05%
28.0	507.509	27.679	1363.01	1.62%	85.79%
29.0	435.474	24.671	1387.681	1.45%	87.34%
30.0	373.616	21.845	1409.527	1.28%	88.72%
31.0	312.776	19.101	1428.628	1.12%	89.92%
32.0	268.963	16.666	1445.294	0.98%	90.97%
33.0	240.331	15.004	1460.298	0.88%	91.91%
34.0	196.810	13.229	1473.527	0.78%	92.74%
35.0	155.668	10.947	1484.474	0.64%	93.43%
36.0	124.829	8.931	1493.405	0.52%	94.00%
37.0	104.480	7.479	1500.884	0.44%	94.47%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	86.974	6.390	1507.274	0.37%	94.87%
39.0	72.735	5.451	1512.726	0.32%	95.21%
40.0	61.657	4.687	1517.413	0.27%	95.51%
41.0	52.392	4.061	1521.474	0.24%	95.76%
42.0	45.293	3.549	1525.023	0.21%	95.99%
43.0	39.481	3.140	1528.163	0.18%	96.18%
44.0	34.914	2.808	1530.971	0.16%	96.36%
45.0	31.102	2.537	1533.508	0.15%	96.52%
46.0	28.127	2.316	1535.825	0.14%	96.67%
47.0	25.670	2.140	1537.964	0.13%	96.80%
48.0	23.567	1.990	1539.955	0.12%	96.93%
49.0	21.934	1.869	1541.823	0.11%	97.04%
50.0	20.474	1.768	1543.591	0.10%	97.15%
51.0	19.277	1.682	1545.273	0.10%	97.26%
52.0	18.232	1.610	1546.883	0.09%	97.36%
53.0	17.395	1.550	1548.432	0.09%	97.46%
54.0	16.668	1.501	1549.934	0.09%	97.55%
55.0	16.018	1.459	1551.393	0.09%	97.64%
56.0	15.485	1.424	1552.816	0.08%	97.73%
57.0	14.966	1.392	1554.209	0.08%	97.82%
58.0	14.572	1.366	1555.575	0.08%	97.91%
59.0	14.205	1.345	1556.92	0.08%	97.99%
60.0	13.880	1.327	1558.247	0.08%	98.08%
61.0	13.624	1.313	1559.559	0.08%	98.16%
62.0	13.368	1.301	1560.86	0.08%	98.24%
63.0	13.126	1.289	1562.148	0.08%	98.32%
64.0	12.849	1.275	1563.423	0.07%	98.40%
65.0	12.607	1.260	1564.683	0.07%	98.48%
66.0	12.275	1.241	1565.924	0.07%	98.56%
67.0	11.929	1.217	1567.141	0.07%	98.64%
68.0	11.562	1.190	1568.331	0.07%	98.71%
69.0	11.195	1.161	1569.492	0.07%	98.78%
70.0	10.835	1.131	1570.624	0.07%	98.86%
71.0	10.510	1.103	1571.727	0.06%	98.92%
72.0	10.199	1.077	1572.804	0.06%	98.99%
73.0	9.936	1.053	1573.857	0.06%	99.06%
74.0	9.680	1.031	1574.888	0.06%	99.12%
75.0	9.431	1.010	1575.898	0.06%	99.19%

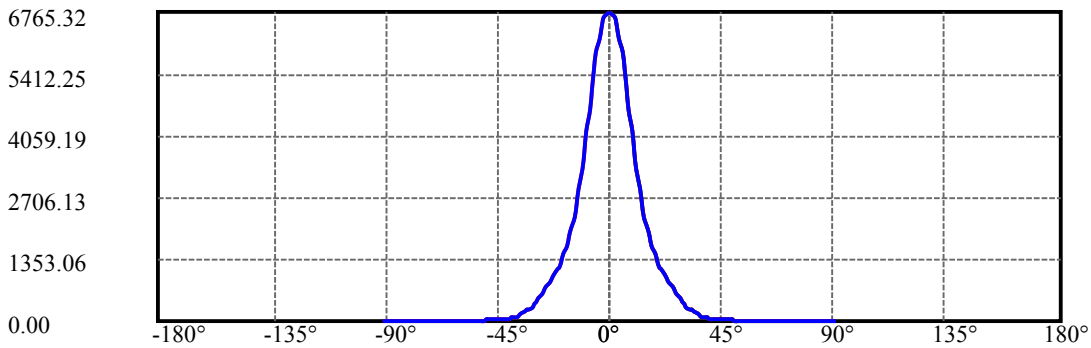
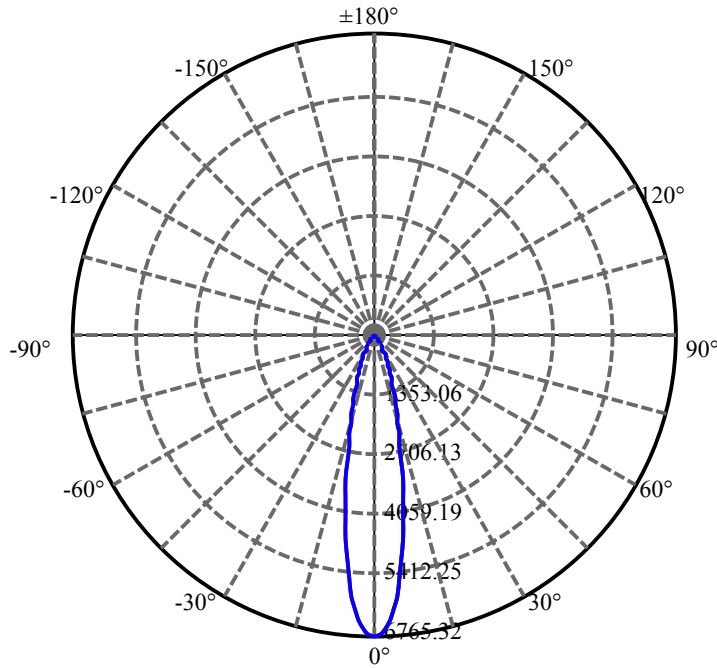
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.196	0.989	1576.886	0.06%	99.25%
77.0	8.967	0.968	1577.855	0.06%	99.31%
78.0	8.732	0.947	1578.802	0.06%	99.37%
79.0	8.518	0.927	1579.729	0.05%	99.43%
80.0	8.324	0.908	1580.637	0.05%	99.49%
81.0	8.144	0.891	1581.528	0.05%	99.54%
82.0	7.971	0.874	1582.401	0.05%	99.60%
83.0	7.791	0.857	1583.258	0.05%	99.65%
84.0	7.625	0.840	1584.098	0.05%	99.70%
85.0	7.452	0.823	1584.921	0.05%	99.76%
86.0	7.286	0.806	1585.727	0.05%	99.81%
87.0	7.182	0.792	1586.518	0.05%	99.86%
88.0	7.030	0.779	1587.297	0.05%	99.90%
89.0	6.885	0.763	1588.06	0.04%	99.95%
90.0	6.795	0.750	1588.81	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1409.53	82.62%	88.72%
0-40	1517.41	88.94%	95.51%
0-60	1558.25	91.33%	98.08%
0-90	1588.06	93.08%	99.95%
0-120	1588.06	93.08%	99.95%
0-180	1588.81	93.12%	100.00%
60-90	29.81	1.75%	1.88%
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%
0-24.99	1271.05	74.50%	80.00%

ZONAL LUMEN SUMMARY

0-10	488.20
10-20	581.14
20-30	340.18
30-40	107.89
40-50	26.18
50-60	14.66
60-70	12.38
70-80	10.01
80-90	7.42
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: —————

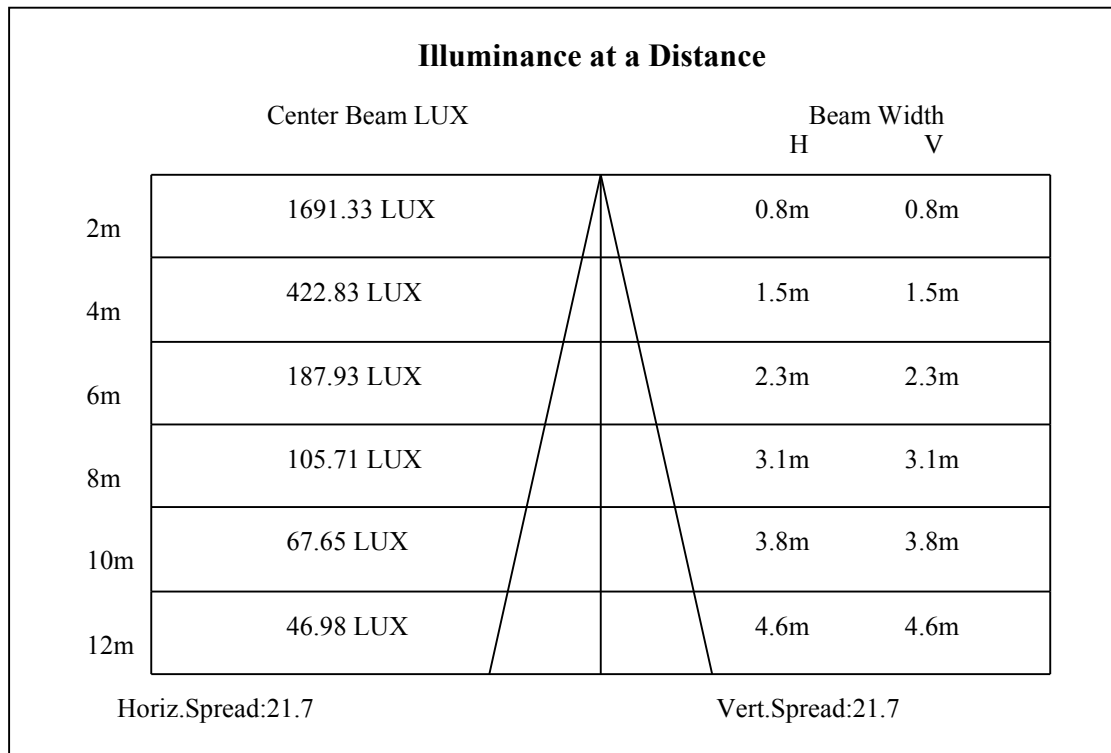
C90/C270: —————

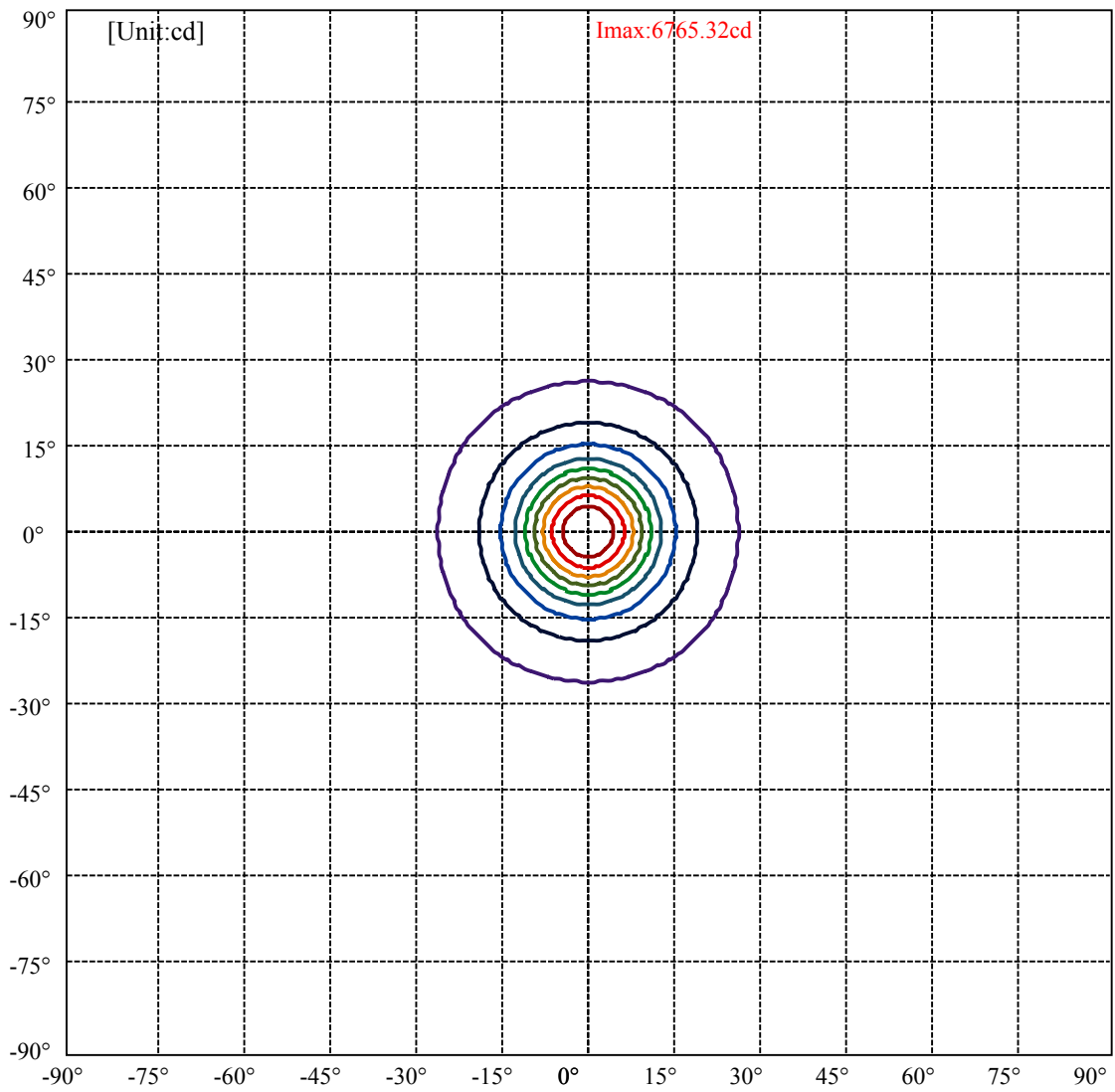
Field angle(10%Imax):C0/180Left:25.9 Right:25.9

:C90/270Left:25.9 Right:25.9

Beam Angle(50%Imax):C0/180Left:10.8 Right:10.8

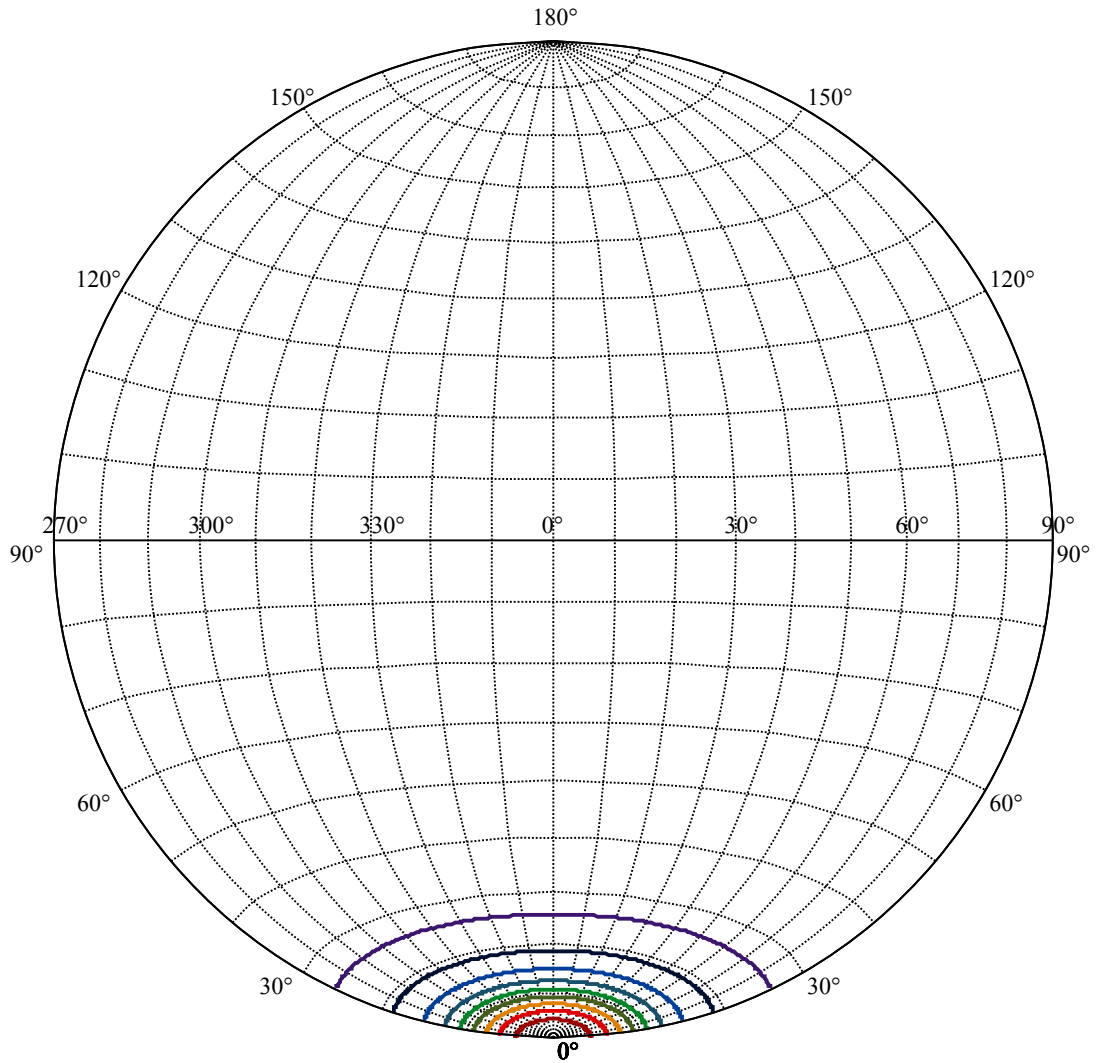
:C90/270Left:10.8 Right:10.8





(10%Imax) 676.532	—
(20%Imax) 1353.06	—
(30%Imax) 2029.6	—
(40%Imax) 2706.13	—
(50%Imax) 3382.66	—
(60%Imax) 4059.19	—
(70%Imax) 4735.72	—
(80%Imax) 5412.25	—
(90%Imax) 6088.79	—





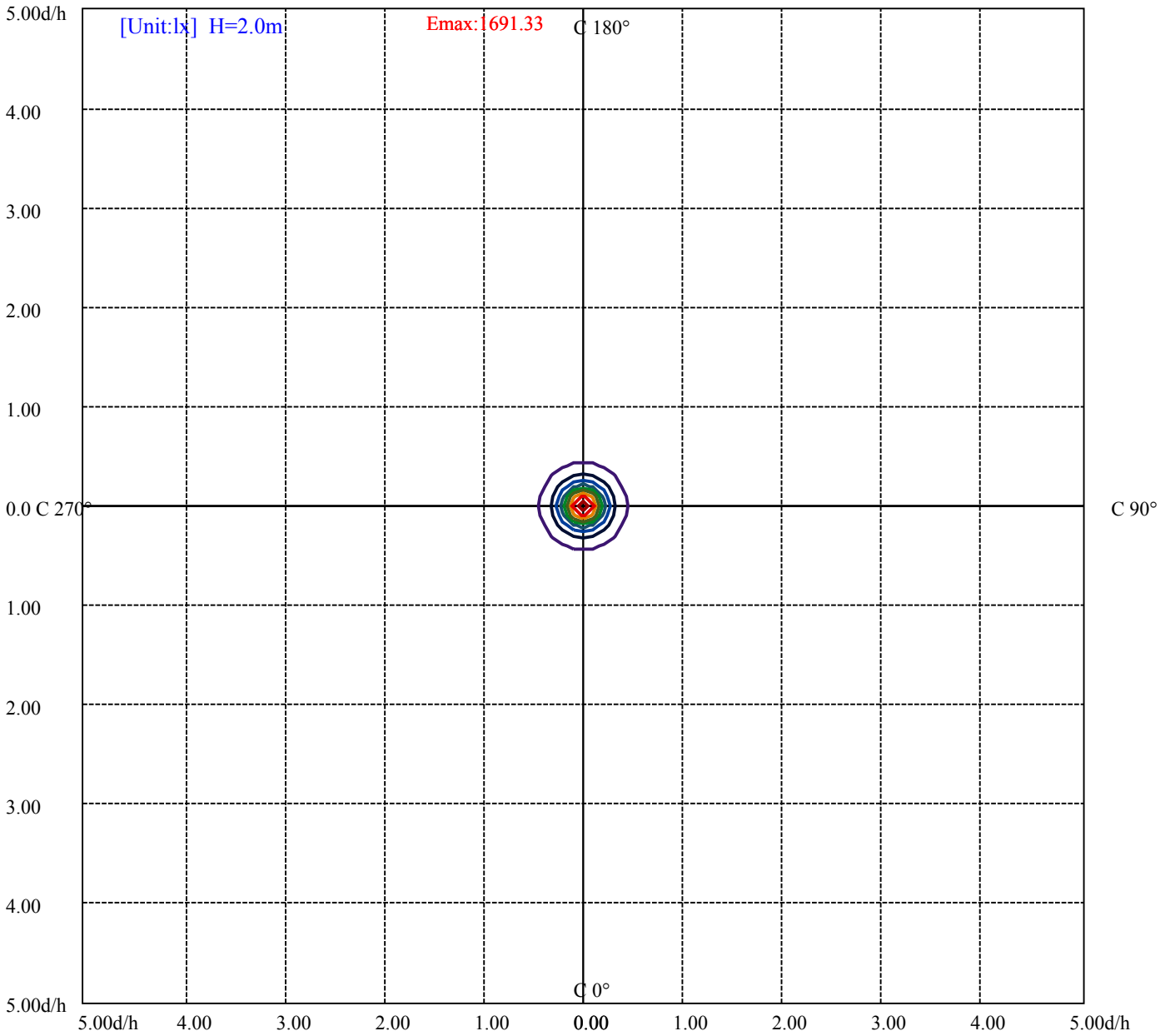
House

[Unit:cd]

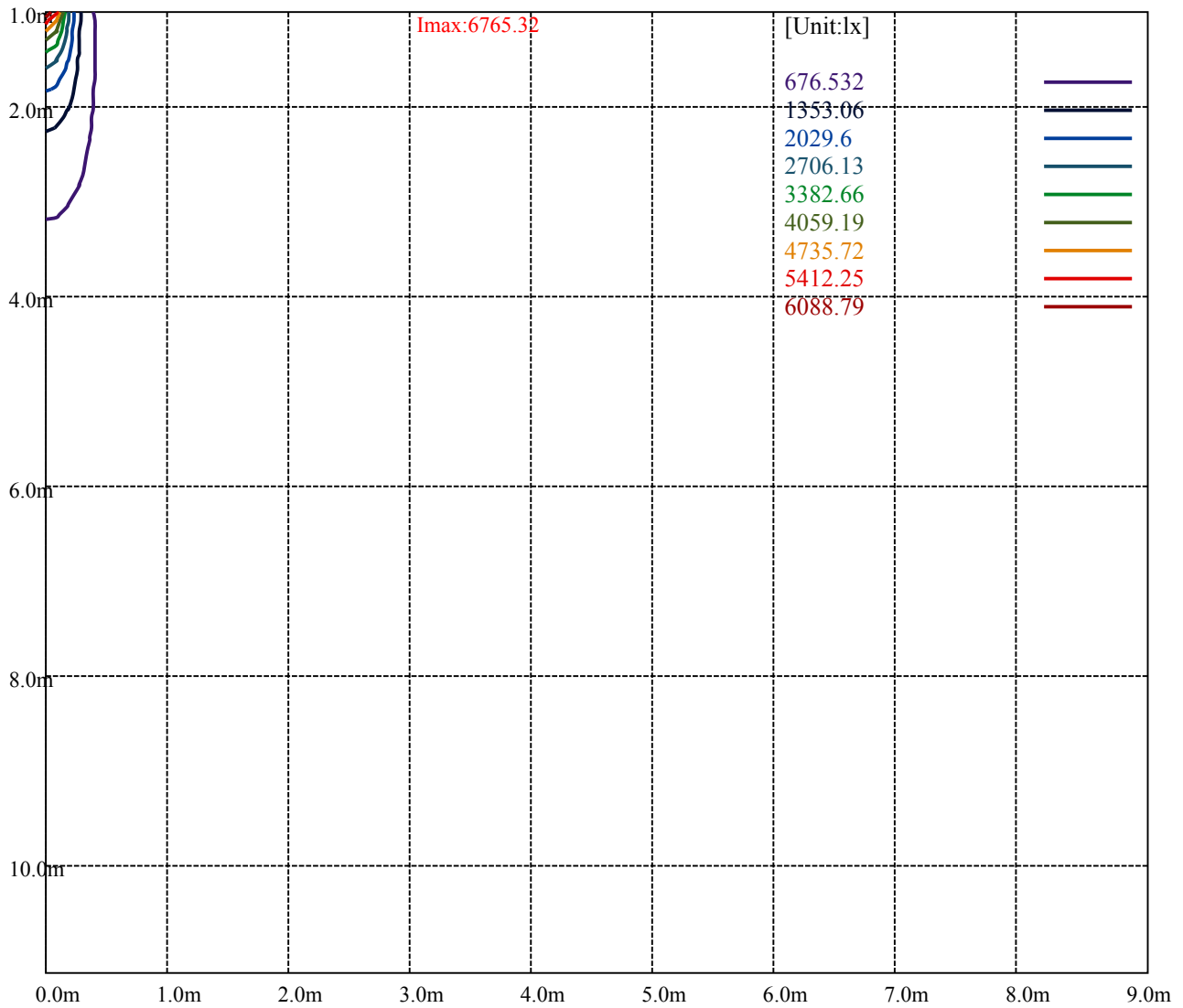
Road

**Imax:6765.32**

(10%Imax) 676.532	—
(20%Imax) 1353.06	—
(30%Imax) 2029.6	—
(40%Imax) 2706.13	—
(50%Imax) 3382.66	—
(60%Imax) 4059.19	—
(70%Imax) 4735.72	—
(80%Imax) 5412.25	—
(90%Imax) 6088.79	—



- (10%Emax) 169.1328
- (20%Emax) 338.265
- (30%Emax) 507.3975
- (40%Emax) 676.53
- (50%Emax) 845.665
- (60%Emax) 1014.797
- (70%Emax) 1183.93
- (80%Emax) 1353.063
- (90%Emax) 1522.195



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

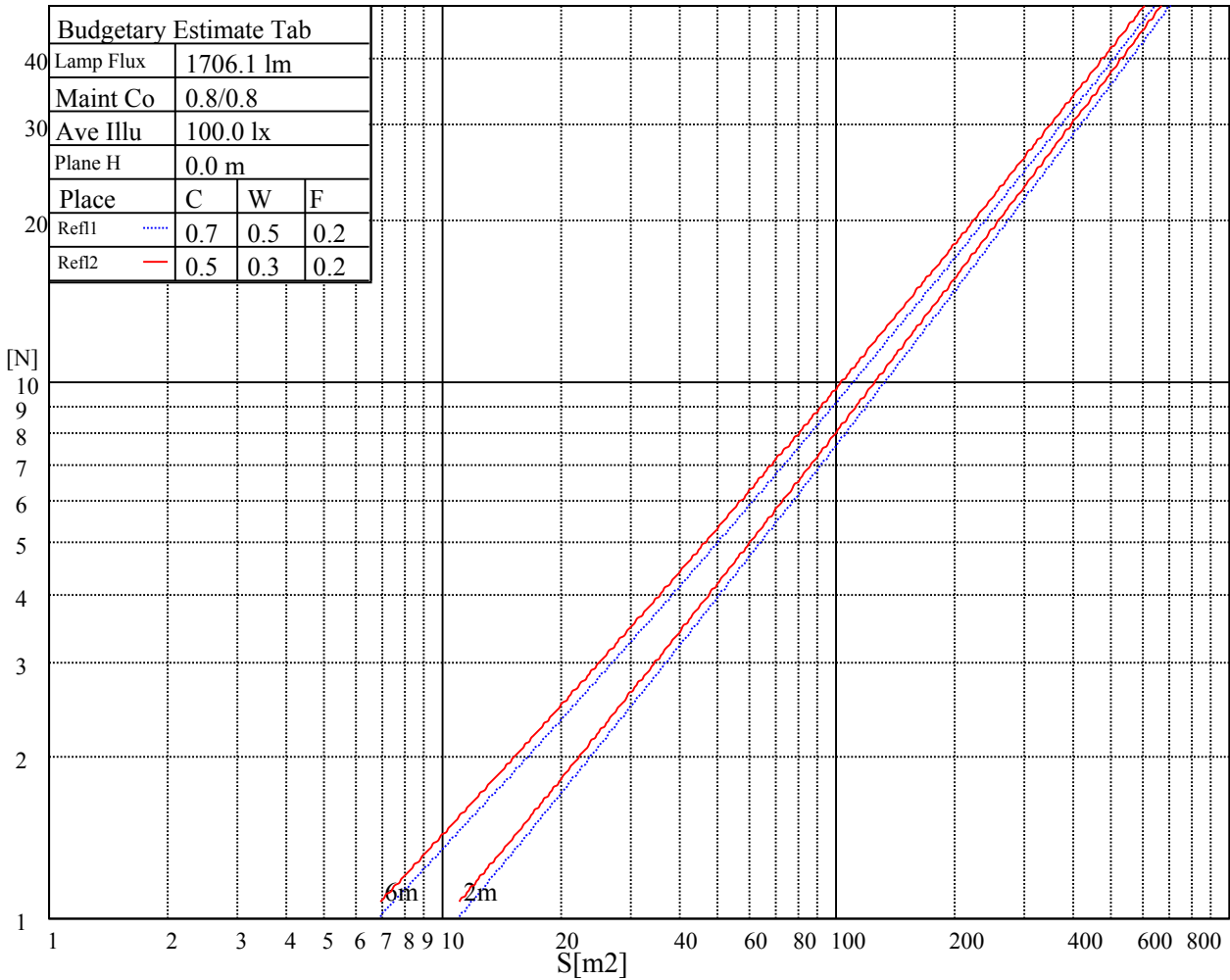
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

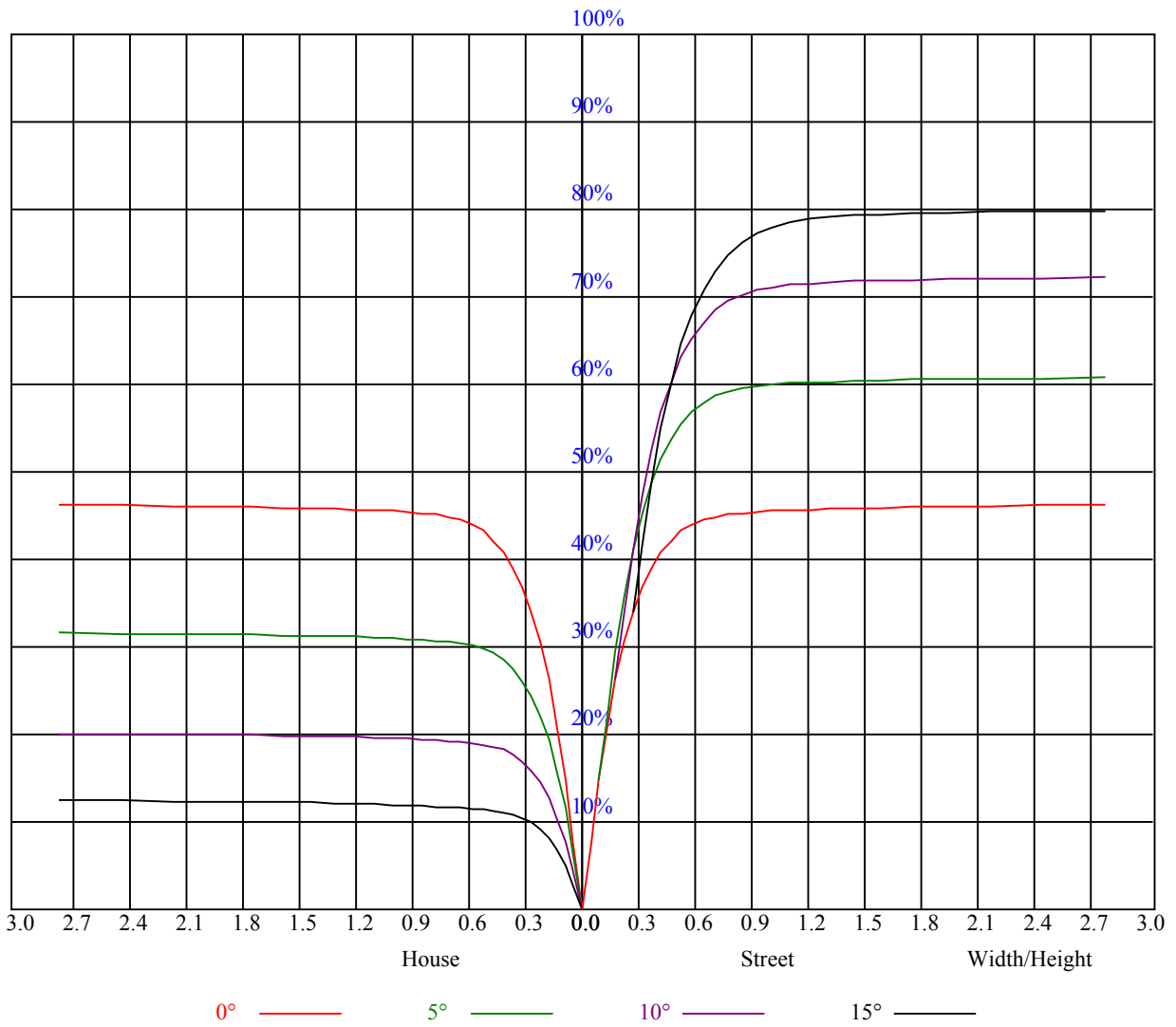


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	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	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.82	0.86	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.75
6	0.82	0.78	0.75	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
7	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
8	0.76	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
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63





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	6718.27	6557.19	6347.95	6001.44	5654.92	5267.45	4752.11	4322.01	3890.25
45.0	6781.37	6718.27	6601.47	6424.34	6095.54	5763.42	5388.12	4881.63	4453.75
90.0	6748.71	6644.65	6424.89	6175.25	5854.75	5494.95	4998.98	4565.01	4136.02
135.0	6812.92	6796.32	6713.84	6522.31	6292.04	5987.60	5642.75	5150.65	4718.89
180.0	6718.27	6784.14	6783.03	6725.46	6607.56	6379.50	6114.36	5799.95	5430.19
225.0	6781.37	6770.85	6684.50	6552.21	6357.36	6026.90	5681.49	5296.23	4757.09
270.0	6748.71	6791.33	6776.94	6675.64	6520.65	6246.65	5949.40	5594.03	5081.46
315.0	6812.92	6759.78	6651.29	6417.70	6149.78	5835.38	5371.51	4942.52	4488.62
360.0	6718.27	6557.19	6347.95	6001.44	5654.92	5267.45	4752.11	4322.01	3890.25
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3395.94	3028.95	2696.83	2405.11	2105.65	1908.04	1727.59	1568.17	1401.00
45.0	4032.51	3529.90	3151.28	2729.49	2436.67	2178.16	1961.73	1777.96	1579.24
90.0	3718.65	3236.52	2883.37	2488.70	2227.43	2007.12	1769.65	1606.92	1471.30
135.0	4289.90	3861.47	3368.82	3005.70	2680.22	2394.60	2098.45	1894.20	1683.30
180.0	4909.31	4473.12	4035.28	3514.95	3126.92	2705.13	2407.88	2153.26	1899.18
225.0	4305.96	3757.96	3347.79	2977.47	2644.80	2292.19	2058.60	1859.88	1684.96
270.0	4648.60	4216.84	3785.63	3278.59	2902.74	2583.91	2303.26	2003.80	1810.06
315.0	4048.01	3635.07	3154.60	2806.43	2503.09	2188.13	1971.70	1778.51	1571.49
360.0	3395.94	3028.95	2696.83	2405.11	2105.65	1908.04	1727.59	1568.17	1401.00
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1211.14	1085.54	1061.96	970.74	863.85	782.48	702.60	607.95	533.72
45.0	1446.39	1329.04	1225.53	1105.41	1015.19	930.49	829.75	751.70	676.42
90.0	1352.84	1089.69	1089.69	1021.72	933.87	834.07	755.74	681.79	592.12
135.0	1535.51	1405.98	1262.06	1157.44	1061.13	972.56	867.39	786.57	709.63
180.0	1723.71	1564.29	1423.14	1299.15	1167.96	1073.31	985.29	897.84	793.77
225.0	1493.99	1365.02	1093.18	1093.18	1021.11	934.87	835.89	757.85	684.17
270.0	1647.32	1453.59	1329.04	1215.57	1086.59	994.70	886.21	805.39	726.24
315.0	1429.78	1219.99	1083.93	1061.63	965.64	854.55	768.31	691.37	618.85
360.0	1211.14	1085.54	1061.96	970.74	863.85	782.48	702.60	607.95	533.72
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	461.93	395.50	324.43	276.66	234.31	197.67	159.58	133.62	111.98
45.0	579.00	503.16	416.81	358.14	305.00	280.09	280.09	172.54	144.42
90.0	519.27	452.96	375.91	322.55	263.65	223.30	188.26	157.98	126.37
135.0	633.25	539.14	468.29	402.97	332.12	283.41	283.41	191.41	160.91
180.0	719.60	623.84	555.20	486.00	401.31	344.85	292.82	281.20	228.83
225.0	595.83	525.47	454.79	376.57	321.99	272.51	230.71	187.54	157.98
270.0	648.74	560.18	490.99	426.22	365.33	313.30	287.84	287.84	178.63
315.0	528.41	459.82	397.38	339.82	278.48	236.58	199.94	162.35	136.23
360.0	461.93	395.50	324.43	276.66	234.31	197.67	159.58	133.62	111.98
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	90.61	77.00	65.82	55.02	48.38	42.90	37.09	33.10	29.84
45.0	120.89	97.20	81.81	69.30	59.39	49.82	43.78	37.64	33.71
90.0	106.00	89.17	75.00	61.28	52.86	46.00	40.41	34.87	31.22
135.0	128.64	107.94	91.06	76.94	63.49	55.02	48.21	42.62	37.09
180.0	167.06	140.49	113.09	95.21	80.65	68.25	56.13	48.71	42.73
225.0	132.24	110.93	89.17	75.11	63.55	52.09	45.17	38.42	34.15
270.0	143.64	120.84	101.74	82.64	70.08	57.46	49.76	43.51	38.47
315.0	109.54	92.27	78.10	66.37	54.86	47.60	41.79	36.98	32.11
360.0	90.61	77.00	65.82	55.02	48.38	42.90	37.09	33.10	29.84

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	27.23	24.52	22.81	21.37	20.15	18.88	17.93	17.16	16.38
45.0	30.33	27.01	24.80	23.03	21.42	19.93	18.88	17.93	17.16
90.0	27.57	25.24	23.36	21.48	20.20	19.10	18.21	17.21	16.61
135.0	33.49	30.44	27.84	25.13	23.41	21.59	20.26	19.21	18.05
180.0	36.92	33.10	29.95	26.68	24.63	22.86	21.09	19.87	18.88
225.0	30.83	28.01	25.13	23.30	21.75	20.43	19.04	18.10	17.27
270.0	33.38	30.11	27.46	25.19	22.92	21.48	20.20	18.88	17.99
315.0	29.06	26.57	24.02	22.36	20.98	19.54	18.60	17.49	16.83
360.0	27.23	24.52	22.81	21.37	20.15	18.88	17.93	17.16	16.38
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.78	15.22	14.78	14.39	14.00	13.73	13.56	13.28	13.01
45.0	16.33	15.78	15.33	14.78	14.34	13.95	13.67	13.45	13.23
90.0	16.00	15.50	14.89	14.50	14.17	13.84	13.56	13.34	13.12
135.0	17.27	16.66	16.05	15.44	15.06	14.67	14.34	14.00	13.73
180.0	17.99	16.99	16.38	15.83	15.33	14.83	14.45	14.12	13.78
225.0	16.55	15.89	15.39	14.83	14.45	14.12	13.62	13.51	13.28
270.0	17.21	16.44	15.89	15.28	14.89	14.50	14.17	13.89	13.56
315.0	16.22	15.67	15.17	14.67	14.34	14.00	13.67	13.40	13.23
360.0	15.78	15.22	14.78	14.39	14.00	13.73	13.56	13.28	13.01
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.73	12.51	12.23	11.85	11.40	11.02	10.68	10.41	10.07
45.0	12.95	12.73	12.51	12.18	11.79	11.46	11.07	10.74	10.35
90.0	12.84	12.57	12.29	11.96	11.57	11.24	10.79	10.46	10.24
135.0	13.51	13.17	12.90	12.62	12.18	11.79	11.46	11.02	10.68
180.0	13.51	13.23	13.01	12.68	12.45	12.07	11.73	11.35	11.02
225.0	13.06	12.79	12.57	12.29	12.01	11.57	11.24	10.90	10.57
270.0	13.40	13.12	12.90	12.57	12.29	11.96	11.57	11.18	10.79
315.0	13.01	12.68	12.45	12.07	11.73	11.40	11.02	10.63	10.35
360.0	12.73	12.51	12.23	11.85	11.40	11.02	10.68	10.41	10.07
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.80	9.58	9.35	9.08	8.86	8.69	8.47	8.25	8.08
45.0	10.07	9.80	9.58	9.35	9.08	8.86	8.64	8.41	8.25
90.0	9.96	9.63	9.47	9.19	8.97	8.75	8.47	8.30	8.14
135.0	10.35	10.13	9.85	9.58	9.41	9.19	8.91	8.69	8.47
180.0	10.63	10.35	10.07	9.74	9.52	9.24	9.02	8.75	8.52
225.0	10.24	9.96	9.69	9.47	9.13	8.91	8.75	8.52	8.30
270.0	10.46	10.19	9.85	9.63	9.41	9.19	8.91	8.69	8.52
315.0	10.07	9.85	9.58	9.41	9.19	8.91	8.69	8.52	8.30
360.0	9.80	9.58	9.35	9.08	8.86	8.69	8.47	8.25	8.08
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.92	7.75	7.53	7.42	7.25	7.09	7.03	6.75	6.81
45.0	8.08	7.86	7.69	7.53	7.36	7.20	7.09	7.03	6.70
90.0	7.97	7.80	7.58	7.47	7.31	7.14	7.09	6.81	6.81
135.0	8.25	8.08	7.86	7.69	7.53	7.36	7.25	7.14	6.86
180.0	8.30	8.19	7.97	7.86	7.64	7.47	7.31	7.20	7.03
225.0	8.14	7.97	7.86	7.58	7.47	7.31	7.14	7.03	6.86
270.0	8.36	8.14	7.97	7.80	7.58	7.42	7.31	7.14	7.14
315.0	8.14	7.97	7.86	7.64	7.47	7.31	7.25	7.14	6.86
360.0	7.92	7.75	7.53	7.42	7.25	7.09	7.03	6.75	6.81

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>6.81</b>
<b>45.0</b>	<b>6.75</b>
<b>90.0</b>	<b>6.75</b>
<b>135.0</b>	<b>6.86</b>
<b>180.0</b>	<b>6.86</b>
<b>225.0</b>	<b>6.70</b>
<b>270.0</b>	<b>6.75</b>
<b>315.0</b>	<b>6.86</b>
<b>360.0</b>	<b>6.81</b>