



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 1-1302-L

Luminaire: 92.70.427.00

Report No: 2024729-B015

Ballast type: AC

Test No: 2024729-C015

Voltage(V): 33.930

LampCAT: Fortimo_SLM_C_1202

Current(A): 0.144

Lamp flux(lm): 871.0

Power (W): 4.885

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 829.17, Efficiency(%): 95.20% , Luminous Efficacy(lm/W): 169.74

Central intensity(cd): 1551.051, Maximum intensity(cd): 1551.051

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.2

[C90/270]Total=43.2

Field angle(10%Imax): [C0/180]Total=66.0

[C90/270]Total=66.0

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

Maximum s/h(1/4): C0_180=0.68 C90_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.988%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/29
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1551.051	0.000	0	0.00%	0.00%
1.0	1549.295	1.483	1.483	0.17%	0.18%
2.0	1544.175	4.440	5.924	0.51%	0.71%
3.0	1536.859	7.369	13.292	0.85%	1.60%
4.0	1525.813	10.252	23.544	1.18%	2.84%
5.0	1511.695	13.067	36.611	1.50%	4.42%
6.0	1493.626	15.794	52.405	1.81%	6.32%
7.0	1471.460	18.404	70.809	2.11%	8.54%
8.0	1450.539	20.912	91.721	2.40%	11.06%
9.0	1424.057	23.297	115.018	2.67%	13.87%
10.0	1397.210	25.531	140.55	2.93%	16.95%
11.0	1366.266	27.613	168.163	3.17%	20.28%
12.0	1331.665	29.492	197.655	3.39%	23.84%
13.0	1289.675	31.109	228.764	3.57%	27.59%
14.0	1213.961	32.046	260.81	3.68%	31.45%
15.0	1192.016	33.030	293.84	3.79%	35.44%
16.0	1142.052	34.201	328.041	3.93%	39.56%
17.0	1084.429	34.672	362.713	3.98%	43.74%
18.0	1021.020	34.714	397.428	3.99%	47.93%
19.0	954.246	34.366	431.793	3.95%	52.08%
20.0	887.165	33.703	465.496	3.87%	56.14%
21.0	816.352	32.711	498.207	3.76%	60.08%
22.0	752.658	31.530	529.737	3.62%	63.89%
23.0	683.309	30.130	559.867	3.46%	67.52%
24.0	620.997	28.517	588.384	3.27%	70.96%
25.0	561.172	26.880	615.264	3.09%	74.20%
26.0	500.777	25.067	640.332	2.88%	77.23%
27.0	445.129	23.142	663.473	2.66%	80.02%
28.0	385.319	21.025	684.499	2.41%	82.55%
29.0	332.101	18.770	703.268	2.15%	84.82%
30.0	284.580	16.650	719.919	1.91%	86.82%
31.0	253.688	14.979	734.898	1.72%	88.63%
32.0	207.652	13.217	748.115	1.52%	90.22%
33.0	153.175	10.630	758.745	1.22%	91.51%
34.0	121.017	8.298	767.043	0.95%	92.51%
35.0	91.595	6.603	773.646	0.76%	93.30%
36.0	68.691	5.104	778.749	0.59%	93.92%
37.0	50.571	3.890	782.639	0.45%	94.39%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	39.978	3.022	785.661	0.35%	94.75%
39.0	32.509	2.474	788.135	0.28%	95.05%
40.0	27.637	2.098	790.233	0.24%	95.30%
41.0	24.045	1.840	792.073	0.21%	95.53%
42.0	21.383	1.650	793.724	0.19%	95.73%
43.0	19.378	1.510	795.234	0.17%	95.91%
44.0	17.630	1.397	796.631	0.16%	96.08%
45.0	16.328	1.305	797.936	0.15%	96.23%
46.0	15.252	1.235	799.171	0.14%	96.38%
47.0	14.265	1.174	800.345	0.13%	96.52%
48.0	13.460	1.121	801.466	0.13%	96.66%
49.0	12.707	1.075	802.54	0.12%	96.79%
50.0	12.107	1.035	803.575	0.12%	96.91%
51.0	11.558	1.001	804.576	0.11%	97.03%
52.0	11.097	0.972	805.548	0.11%	97.15%
53.0	10.644	0.946	806.494	0.11%	97.27%
54.0	10.249	0.921	807.415	0.11%	97.38%
55.0	9.905	0.900	808.314	0.10%	97.48%
56.0	9.539	0.879	809.193	0.10%	97.59%
57.0	9.181	0.856	810.049	0.10%	97.69%
58.0	8.837	0.833	810.882	0.10%	97.79%
59.0	8.537	0.812	811.694	0.09%	97.89%
60.0	8.208	0.791	812.485	0.09%	97.99%
61.0	7.915	0.769	813.255	0.09%	98.08%
62.0	7.666	0.751	814.006	0.09%	98.17%
63.0	7.381	0.732	814.737	0.08%	98.26%
64.0	7.125	0.712	815.449	0.08%	98.35%
65.0	6.840	0.691	816.14	0.08%	98.43%
66.0	6.562	0.669	816.809	0.08%	98.51%
67.0	6.298	0.647	817.456	0.07%	98.59%
68.0	6.057	0.626	818.082	0.07%	98.66%
69.0	5.838	0.607	818.688	0.07%	98.74%
70.0	5.684	0.592	819.28	0.07%	98.81%
71.0	5.567	0.582	819.862	0.07%	98.88%
72.0	5.443	0.572	820.434	0.07%	98.95%
73.0	5.326	0.563	820.997	0.06%	99.01%
74.0	5.209	0.554	821.551	0.06%	99.08%
75.0	5.091	0.544	822.095	0.06%	99.15%

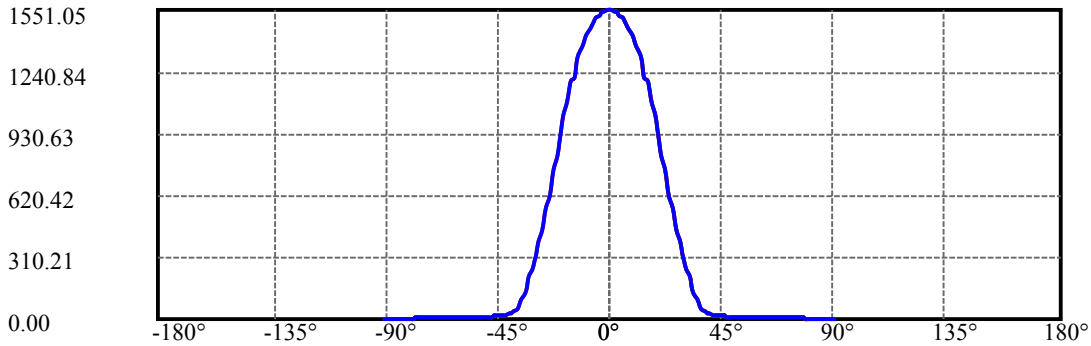
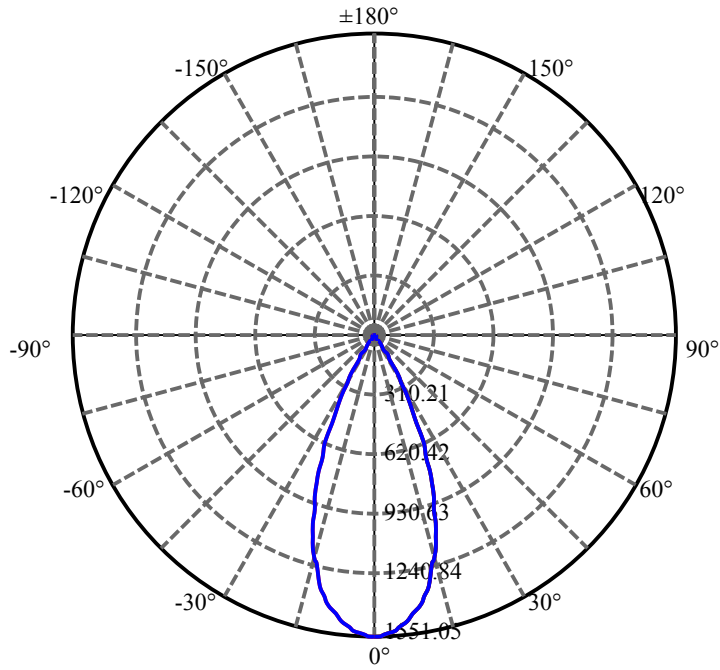
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.989	0.535	822.63	0.06%	99.21%
77.0	4.894	0.527	823.157	0.06%	99.27%
78.0	4.792	0.518	823.676	0.06%	99.34%
79.0	4.689	0.509	824.185	0.06%	99.40%
80.0	4.587	0.500	824.685	0.06%	99.46%
81.0	4.499	0.491	825.176	0.06%	99.52%
82.0	4.397	0.482	825.659	0.06%	99.58%
83.0	4.279	0.472	826.13	0.05%	99.63%
84.0	4.206	0.462	826.593	0.05%	99.69%
85.0	4.104	0.454	827.046	0.05%	99.74%
86.0	4.001	0.443	827.489	0.05%	99.80%
87.0	3.914	0.433	827.923	0.05%	99.85%
88.0	3.811	0.423	828.346	0.05%	99.90%
89.0	3.760	0.415	828.761	0.05%	99.95%
90.0	3.716	0.410	829.171	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	719.92	82.65%	86.82%
0-40	790.23	90.73%	95.30%
0-60	812.49	93.28%	97.99%
0-90	828.76	95.15%	99.95%
0-120	828.76	95.15%	99.95%
0-180	829.17	95.20%	100.00%
60-90	16.28	1.87%	1.96%
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%
0-26.99	663.34	76.16%	80.00%

ZONAL LUMEN SUMMARY

0-10	140.55
10-20	324.95
20-30	254.42
30-40	70.31
40-50	13.34
50-60	8.91
60-70	6.79
70-80	5.41
80-90	4.08
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: —————

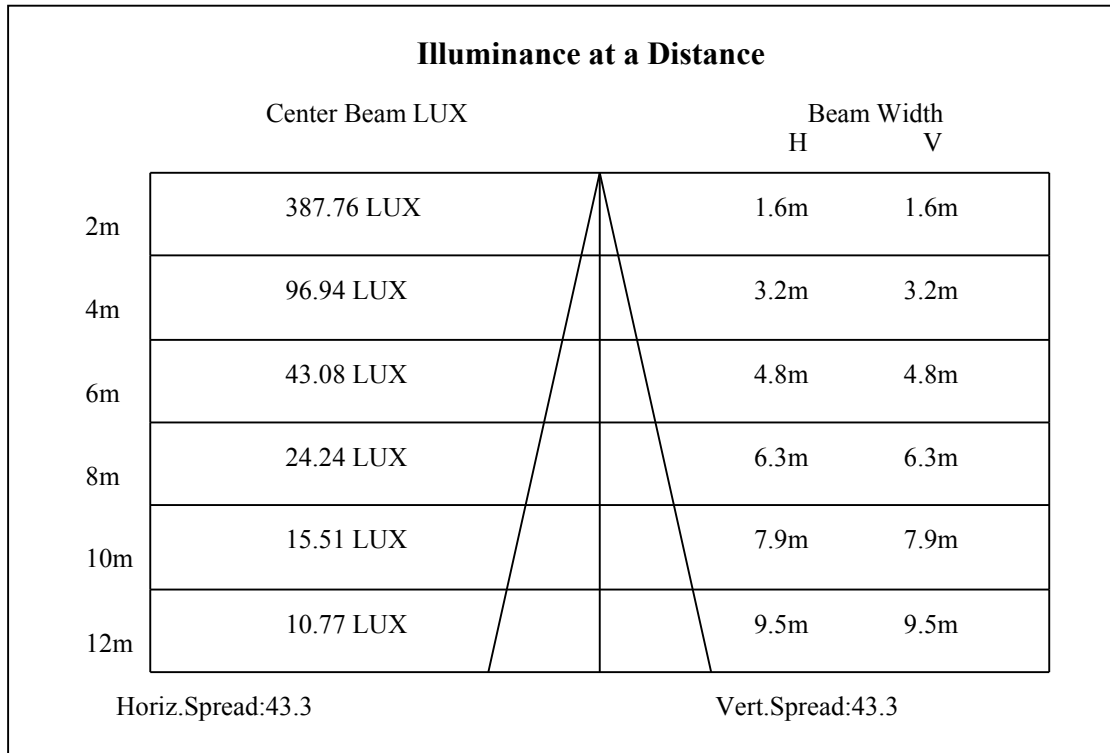
C90/C270: —————

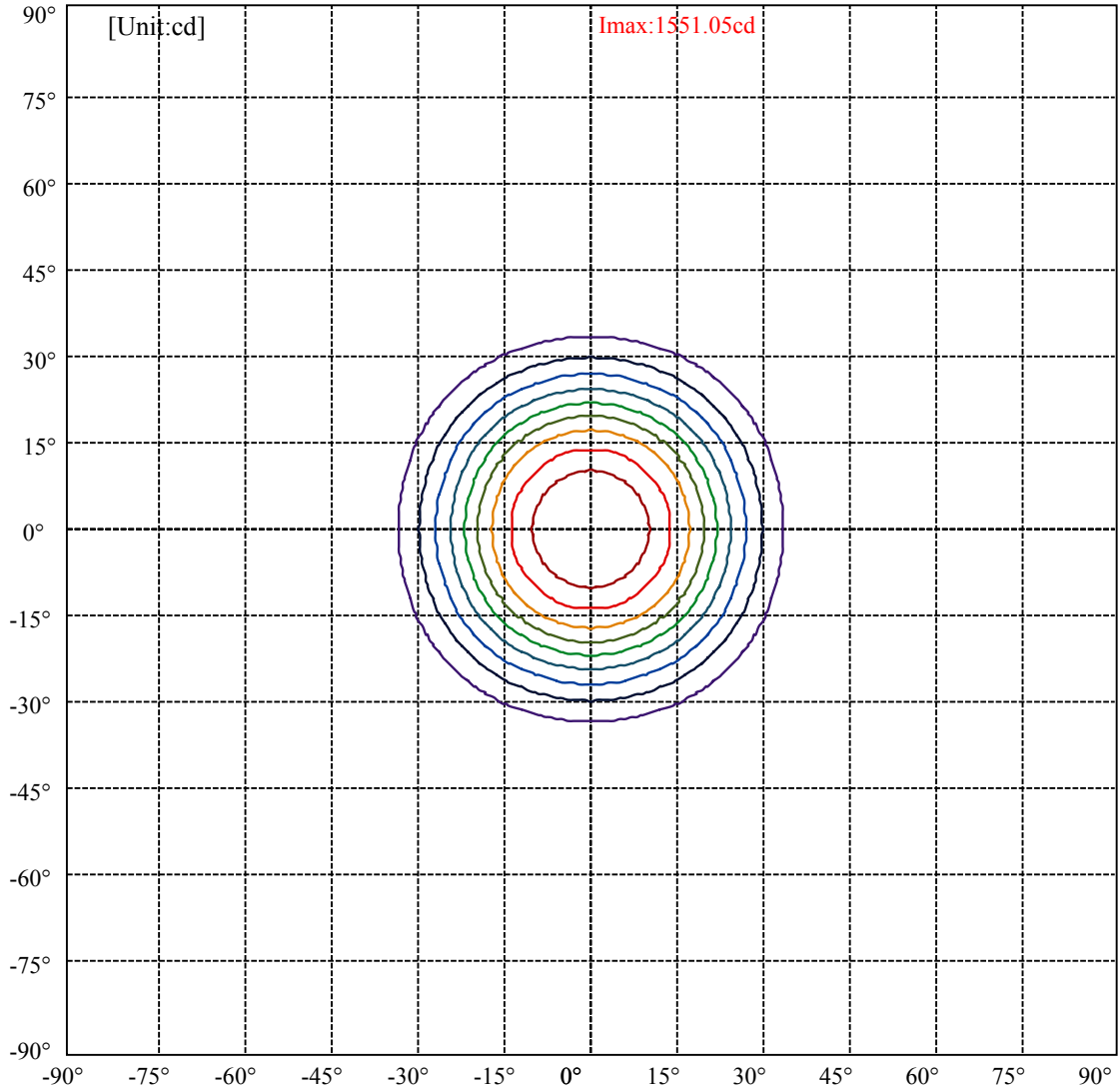
Field angle(10%Imax):C0/180Left:33.0 Right:33.0

:C90/270Left:33.0 Right:33.0

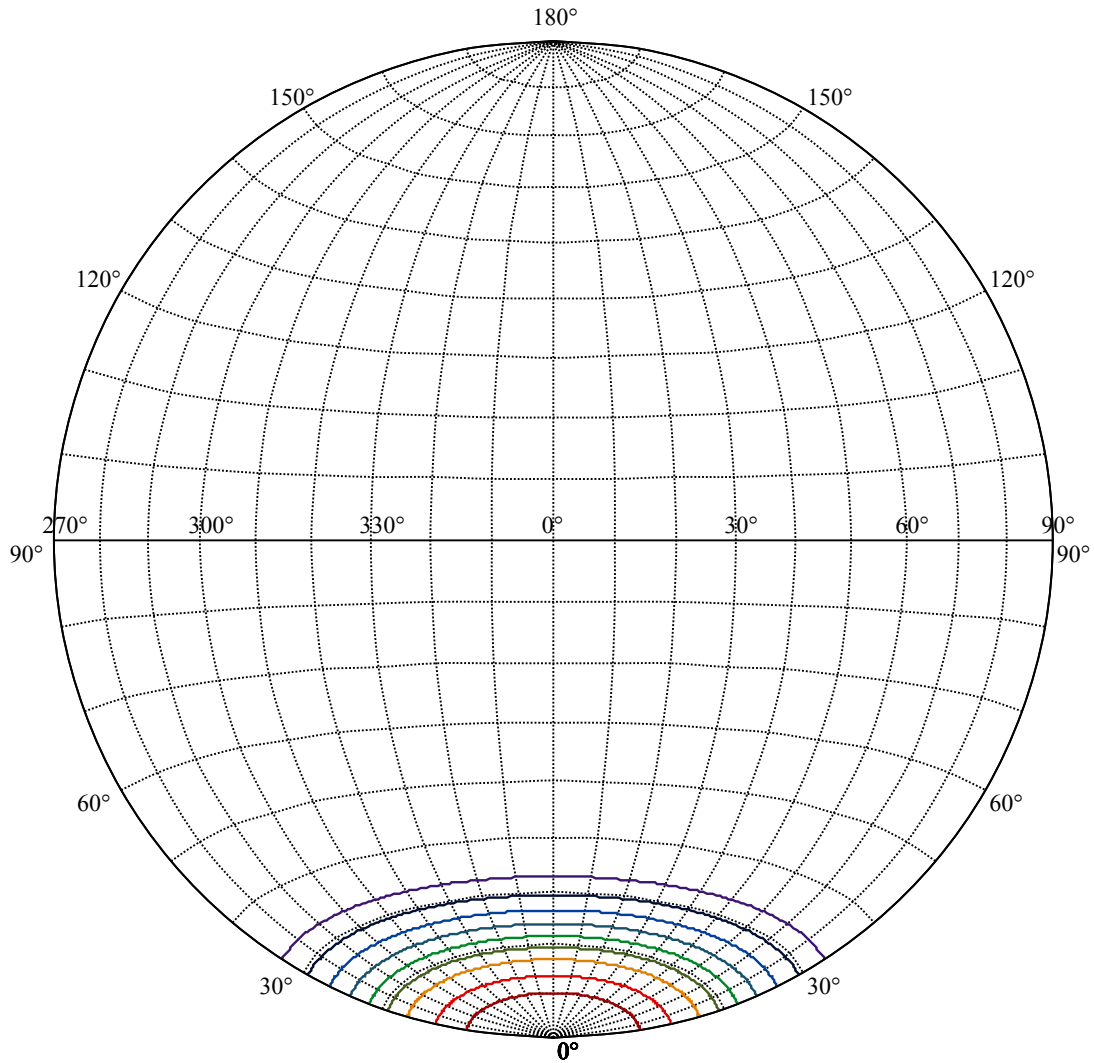
Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6

:C90/270Left:21.6 Right:21.6





(10%Imax) 155.105	—
(20%Imax) 310.21	—
(30%Imax) 465.315	—
(40%Imax) 620.42	—
(50%Imax) 775.526	—
(60%Imax) 930.631	—
(70%Imax) 1085.74	—
(80%Imax) 1240.84	—
(90%Imax) 1395.95	—



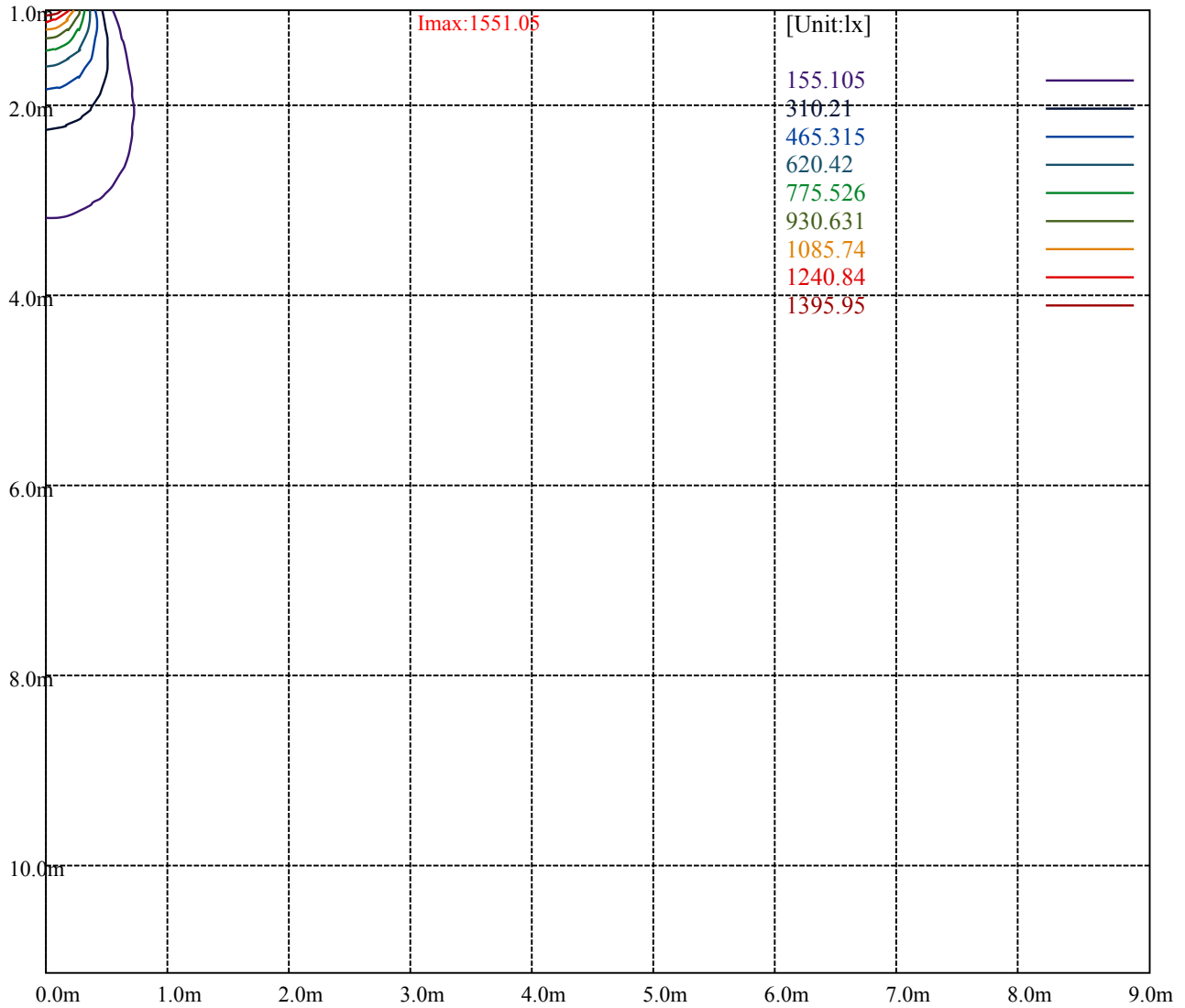
House

[Unit:cd]

Road

Imax:1551.05

(10%Imax) 155.105	—
(20%Imax) 310.21	—
(30%Imax) 465.315	—
(40%Imax) 620.42	—
(50%Imax) 775.526	—
(60%Imax) 930.631	—
(70%Imax) 1085.74	—
(80%Imax) 1240.84	—
(90%Imax) 1395.95	—



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

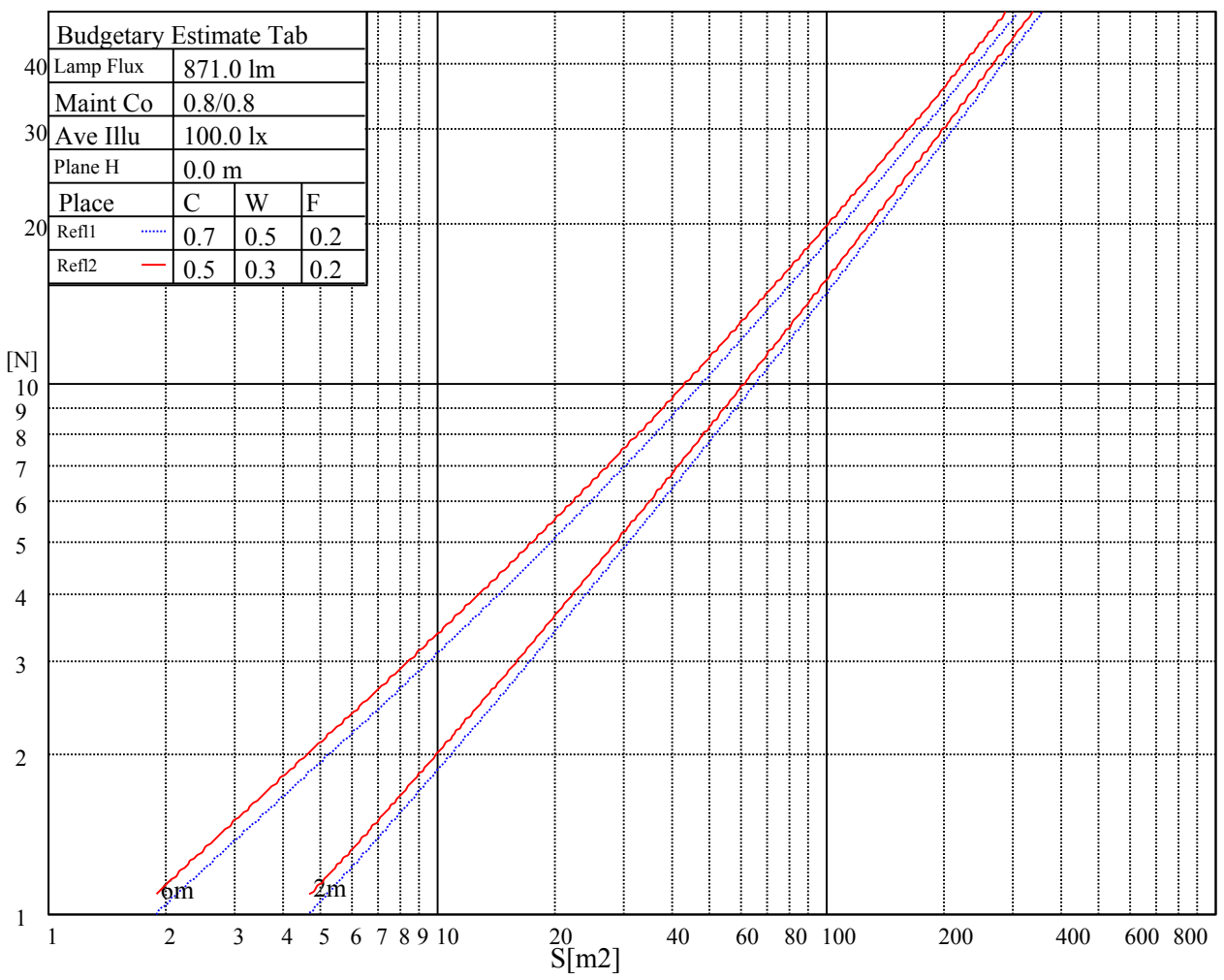
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

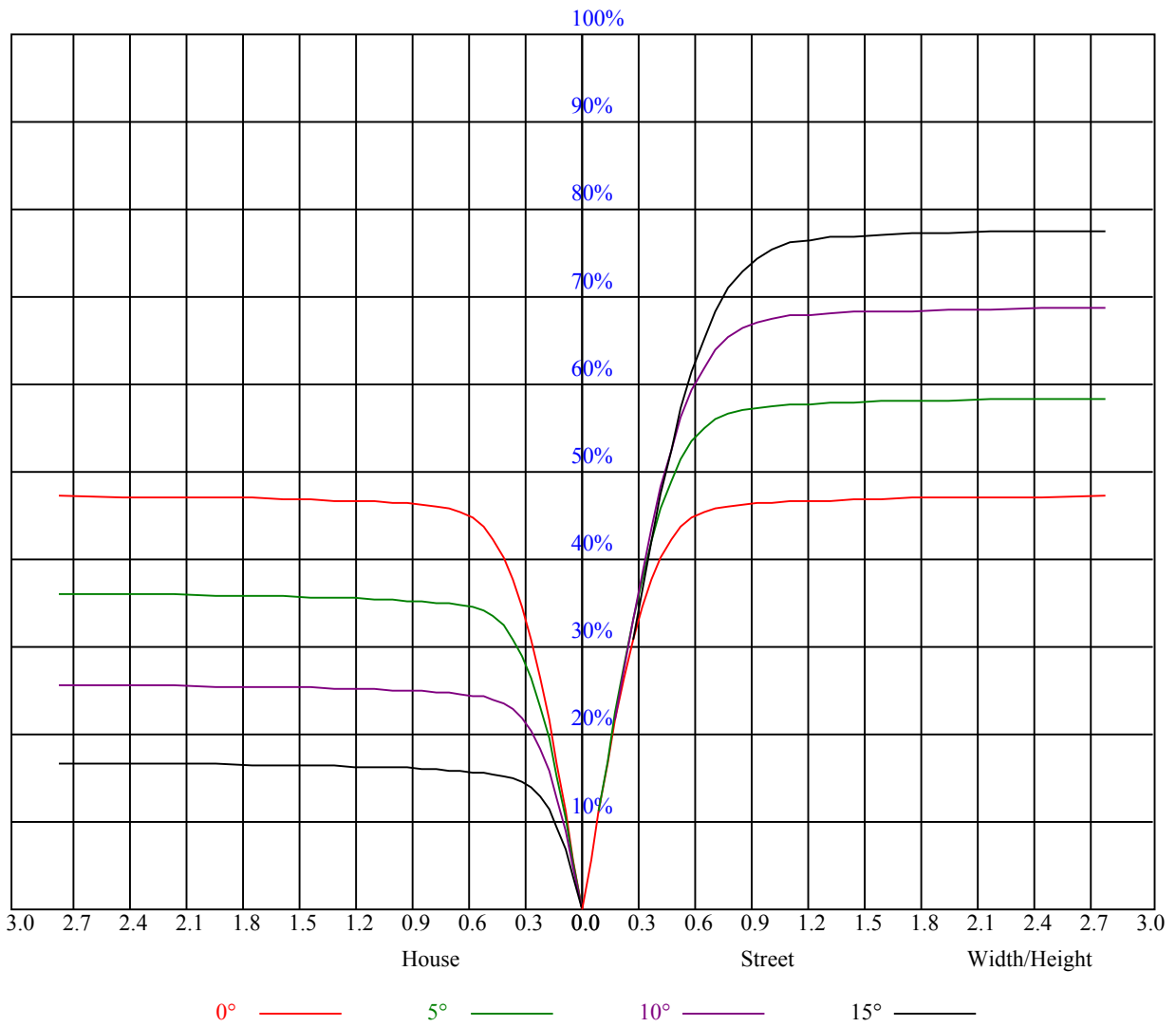


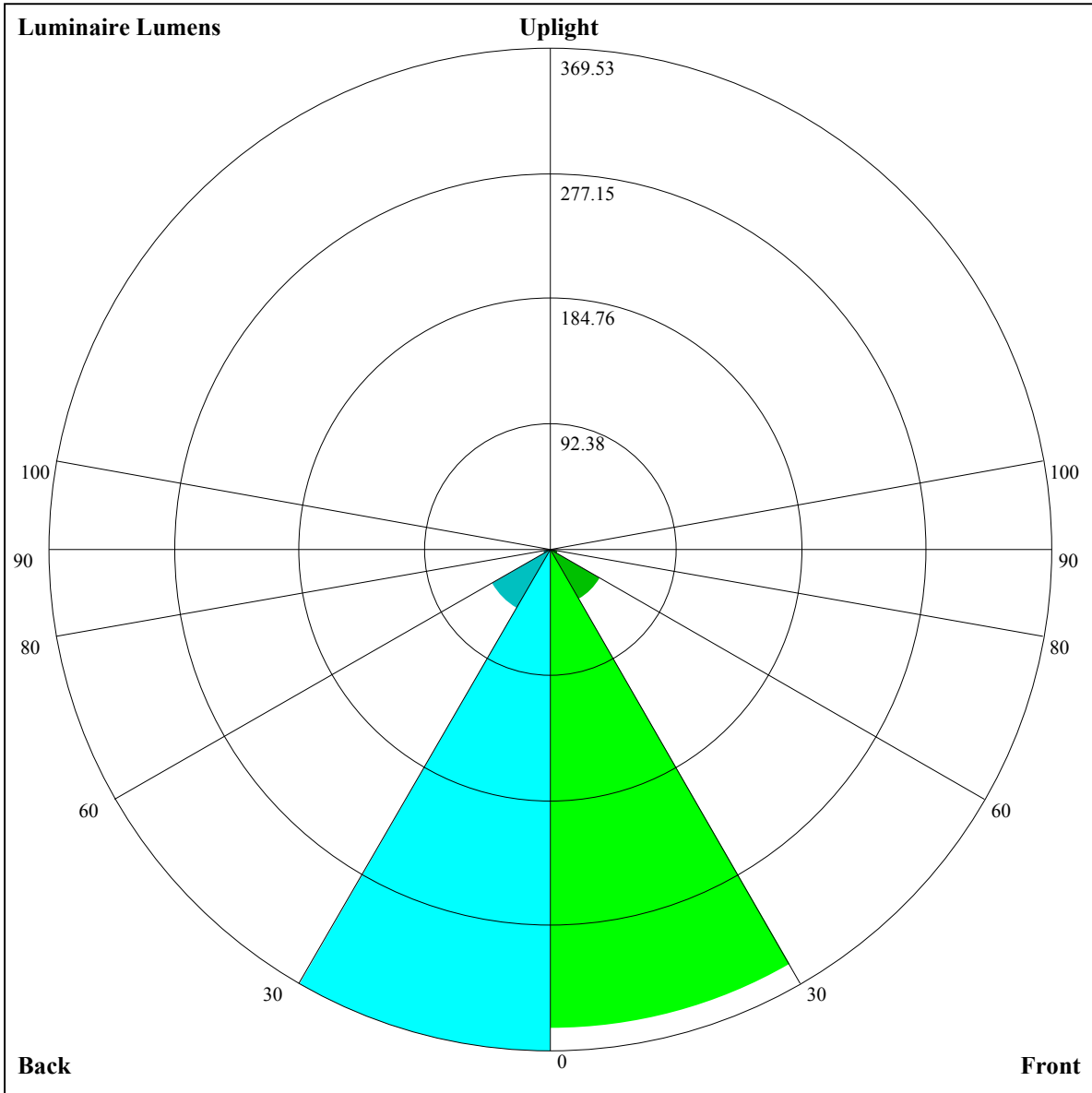
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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
8H	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
12H	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 RHOFC=20 CU															
0	1.13	1.13	1.13	1.11	1.11	1.11	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	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	0.99	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.89	0.86	0.92	0.89	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.80
4	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.72
6	0.80	0.75	0.71	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.65
8	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.62
9	0.70	0.65	0.61	0.69	0.65	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.60
10	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.57





Luminaire Lumens:

FL=352.89,FM=42.34,FH=6.03,FVH=2.22

BL=369.53,BM=49.85,BH=6.14,BVH=2.26

UL=0,UH=0

BUG Rating:B1-U0-G0

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	1547.39	1547.39	1542.13	1539.79	1523.98	1511.11	1501.75	1485.94	1460.78
45.0	1552.66	1552.08	1552.66	1549.15	1547.39	1533.93	1517.55	1489.46	1476.00
90.0	1555.59	1549.73	1544.47	1543.30	1532.76	1511.11	1484.77	1461.37	1441.47
135.0	1548.56	1553.83	1550.90	1541.54	1529.25	1518.72	1497.65	1468.97	1441.47
180.0	1547.39	1549.73	1546.22	1535.10	1518.13	1500.58	1478.92	1451.42	1427.42
225.0	1552.66	1544.47	1530.42	1515.79	1502.92	1487.12	1468.39	1449.08	1428.01
270.0	1555.59	1552.66	1548.56	1535.69	1528.08	1523.98	1509.94	1488.87	1471.31
315.0	1548.56	1544.47	1538.03	1534.52	1523.98	1507.01	1490.04	1476.58	1457.85
360.0	1547.39	1547.39	1542.13	1539.79	1523.98	1511.11	1501.75	1485.94	1460.78
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1433.27	1406.35	1362.46	1322.08	1232.54	1154.06	1154.06	1083.66	1001.03
45.0	1454.34	1433.86	1404.01	1371.24	1336.13	1275.85	1228.45	1166.41	1106.72
90.0	1411.62	1383.53	1344.91	1313.89	1278.19	1167.64	1167.64	1116.02	1062.07
135.0	1416.30	1397.58	1368.31	1328.52	1295.16	1258.29	1210.30	1165.83	1117.84
180.0	1399.33	1372.41	1348.42	1320.33	1277.02	1240.15	1200.35	1155.88	1098.53
225.0	1402.26	1367.73	1340.22	1310.96	1280.53	1161.14	1161.14	1148.74	1105.43
270.0	1445.56	1422.16	1396.99	1357.20	1328.52	1293.99	1253.61	1198.01	1148.86
315.0	1429.76	1394.06	1364.80	1329.10	1289.31	1160.56	1160.56	1101.86	1034.97
360.0	1433.27	1406.35	1362.46	1322.08	1232.54	1154.06	1154.06	1083.66	1001.03
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	930.98	859.29	788.01	698.41	635.38	574.87	520.97	471.93	410.01
45.0	1044.69	980.31	893.11	822.30	759.68	690.04	627.42	557.78	503.94
90.0	1003.89	927.17	868.88	807.43	744.82	668.27	609.51	536.53	478.25
135.0	1042.34	982.65	921.79	852.73	792.45	733.35	653.17	594.65	541.39
180.0	1050.54	996.70	945.20	869.12	811.77	739.78	684.77	629.18	563.04
225.0	1041.52	986.51	931.33	861.51	803.75	726.85	666.22	607.11	550.11
270.0	1092.09	1031.81	952.80	892.53	831.08	753.24	683.02	619.81	547.83
315.0	962.11	869.53	796.20	726.79	642.34	580.08	522.90	472.39	411.65
360.0	930.98	859.29	788.01	698.41	635.38	574.87	520.97	471.93	410.01
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	357.57	299.11	260.78	224.90	182.41	151.98	122.37	89.25	67.65
45.0	447.76	379.28	330.13	304.96	304.96	185.81	146.60	117.86	92.23
90.0	420.54	348.62	296.36	249.83	199.56	163.80	132.79	103.35	72.16
135.0	487.55	437.22	371.68	320.76	297.35	297.35	182.77	152.22	116.69
180.0	515.64	461.22	402.69	338.32	300.86	300.86	190.90	155.96	123.83
225.0	476.90	415.92	357.40	304.55	244.57	200.15	161.29	117.63	90.18
270.0	491.65	423.18	362.31	306.72	306.72	199.15	164.39	135.77	103.53
315.0	363.42	318.01	275.47	226.60	193.07	162.11	124.30	96.09	66.48
360.0	357.57	299.11	260.78	224.90	182.41	151.98	122.37	89.25	67.65
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	52.38	42.19	33.94	29.38	26.10	23.70	21.24	19.61	17.85
45.0	69.88	49.74	39.56	32.36	27.04	22.71	20.54	18.73	16.97
90.0	54.19	42.02	34.24	27.33	23.58	20.83	18.43	16.97	15.27
135.0	91.12	63.56	48.81	38.74	32.36	26.86	23.82	21.36	19.55
180.0	89.42	66.48	49.80	39.21	31.66	27.15	23.99	21.54	19.20
225.0	67.53	47.46	37.98	30.90	26.80	23.70	21.30	19.02	17.50
270.0	74.73	53.37	41.79	33.88	28.56	25.11	21.30	19.31	17.62
315.0	50.27	39.74	33.71	28.27	24.99	22.30	20.42	18.49	17.09
360.0	52.38	42.19	33.94	29.38	26.10	23.70	21.24	19.61	17.85

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	16.74	15.74	14.63	13.99	13.34	12.64	12.11	11.70	11.24
45.0	15.68	14.63	13.64	12.93	12.17	11.59	11.12	10.77	10.42
90.0	14.10	13.23	12.41	11.82	11.12	10.77	10.30	9.95	9.66
135.0	17.79	16.56	15.45	14.34	13.58	12.93	12.17	11.65	11.18
180.0	17.79	16.44	15.39	14.51	13.64	12.99	12.41	11.94	11.35
225.0	16.33	15.16	14.22	13.23	12.58	11.88	11.29	10.77	10.24
270.0	16.27	15.33	14.51	13.75	12.87	12.29	11.76	11.29	10.77
315.0	15.92	14.92	13.87	13.11	12.35	11.76	11.29	10.71	10.30
360.0	16.74	15.74	14.63	13.99	13.34	12.64	12.11	11.70	11.24
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.71	10.36	9.95	9.60	9.19	8.84	8.54	8.13	7.90
45.0	10.01	9.77	9.48	9.19	8.84	8.54	8.19	7.84	7.61
90.0	9.31	9.01	8.78	8.49	8.25	8.02	7.78	7.49	7.32
135.0	10.71	10.30	9.95	9.54	9.19	8.84	8.49	8.19	7.90
180.0	11.00	10.59	10.18	9.71	9.42	9.13	8.72	8.43	8.13
225.0	9.89	9.54	9.19	8.90	8.54	8.31	7.96	7.67	7.43
270.0	10.42	10.07	9.60	9.19	8.78	8.49	8.13	7.96	7.67
315.0	9.95	9.60	9.19	8.84	8.49	8.13	7.84	7.61	7.37
360.0	10.71	10.36	9.95	9.60	9.19	8.84	8.54	8.13	7.90
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.49	7.20	6.96	6.73	6.38	6.14	5.97	5.85	5.74
45.0	7.37	7.14	6.85	6.50	6.20	5.97	5.79	5.62	5.50
90.0	7.02	6.79	6.55	6.26	6.09	5.85	5.68	5.56	5.44
135.0	7.55	7.32	6.96	6.73	6.38	6.14	5.97	5.79	5.62
180.0	7.84	7.55	7.26	7.02	6.79	6.55	6.20	5.97	5.85
225.0	7.20	6.91	6.67	6.44	6.20	5.97	5.74	5.62	5.50
270.0	7.43	7.26	6.91	6.55	6.32	6.09	5.79	5.62	5.50
315.0	7.14	6.85	6.55	6.26	6.03	5.74	5.56	5.44	5.38
360.0	7.49	7.20	6.96	6.73	6.38	6.14	5.97	5.85	5.74
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.56	5.44	5.33	5.21	5.09	4.97	4.92	4.74	4.62
45.0	5.38	5.27	5.15	5.03	4.92	4.80	4.74	4.62	4.51
90.0	5.33	5.21	5.09	4.97	4.92	4.80	4.68	4.62	4.51
135.0	5.50	5.38	5.27	5.15	5.03	4.97	4.86	4.74	4.68
180.0	5.74	5.62	5.50	5.38	5.27	5.15	5.09	4.92	4.86
225.0	5.38	5.27	5.15	5.03	4.97	4.86	4.74	4.68	4.56
270.0	5.38	5.27	5.15	5.03	4.92	4.86	4.68	4.68	4.56
315.0	5.27	5.15	5.03	4.92	4.80	4.74	4.62	4.51	4.39
360.0	5.56	5.44	5.33	5.21	5.09	4.97	4.92	4.74	4.62
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.56	4.45	4.33	4.27	4.21	4.10	3.98	3.75	3.80
45.0	4.45	4.33	4.21	4.16	4.04	3.98	3.86	3.80	3.69
90.0	4.39	4.39	4.16	4.10	4.04	3.92	3.86	3.75	3.69
135.0	4.56	4.45	4.33	4.27	4.16	4.04	3.92	3.86	3.80
180.0	4.80	4.68	4.56	4.51	4.33	4.27	4.16	4.04	3.98
225.0	4.45	4.33	4.27	4.16	4.10	3.92	3.86	3.80	3.75
270.0	4.45	4.33	4.21	4.16	4.04	3.92	3.86	3.80	3.69
315.0	4.33	4.21	4.16	4.04	3.92	3.86	3.80	3.69	3.69
360.0	4.56	4.45	4.33	4.27	4.21	4.10	3.98	3.75	3.80

Intensity data(cd)

C/γ(°)	90.0
0.0	3.75
45.0	3.69
90.0	3.69
135.0	3.69
180.0	3.92
225.0	3.69
270.0	3.63
315.0	3.69
360.0	3.75