



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

LumCAT: 1-1376-L  
Luminaire: 92.70.409.00  
LampCAT: NICHIA NTCLS024B-V3  
Ballast type: AC  
Report No: 20231205-B017  
Test No: 20231205-C017  
Number of Lamps: 1  
Lamp flux(lm): 1012.2  
Length(mm): 0  
Phm Type: C  
Voltage(V): 37.7300  
Current(A): 0.2310  
Power (W): 8.7150  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

### Photometric Results

Lumens(lm): 935.57, Efficiency(%): 92.43% , Luminous Efficacy(lm/W): 107.35  
Central intensity(cd): 1444.591, Maximum intensity(cd): 1444.591  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=49.8  
[C90/270]Total=49.8  
Field angle(10%Imax): [C0/180]Total=67.2  
[C90/270]Total=67.2  
Maximum s/h(1/2): C0\_180=0.83 C90\_270=0.83  
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(%): 92.43%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.774%

Equipment: GMS1980  
Temperature(°C): 0.0

Date: 2023/12/05  
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	1444.591	0.000	0	0.00%	0.00%
1.0	1443.484	1.382	1.382	0.14%	0.15%
2.0	1443.068	4.143	5.525	0.41%	0.59%
3.0	1442.376	6.901	12.426	0.68%	1.33%
4.0	1440.923	9.651	22.077	0.95%	2.36%
5.0	1438.640	12.388	34.465	1.22%	3.68%
6.0	1435.388	15.104	49.569	1.49%	5.30%
7.0	1429.922	17.785	67.354	1.76%	7.20%
8.0	1420.235	20.398	87.752	2.02%	9.38%
9.0	1408.126	22.922	110.674	2.26%	11.83%
10.0	1390.136	25.323	135.997	2.50%	14.54%
11.0	1369.102	27.570	163.568	2.72%	17.48%
12.0	1344.401	29.662	193.23	2.93%	20.65%
13.0	1321.083	31.633	224.863	3.13%	24.03%
14.0	1292.451	33.453	258.316	3.31%	27.61%
15.0	1260.035	35.042	293.358	3.46%	31.36%
16.0	1234.143	36.547	329.904	3.61%	35.26%
17.0	1203.256	37.957	367.861	3.75%	39.32%
18.0	1152.247	38.837	406.698	3.84%	43.47%
19.0	1103.529	39.246	445.944	3.88%	47.67%
20.0	1059.710	39.593	485.537	3.91%	51.90%
21.0	1007.415	39.693	525.23	3.92%	56.14%
22.0	943.523	39.205	564.435	3.87%	60.33%
23.0	872.532	38.106	602.541	3.76%	64.40%
24.0	797.272	36.508	639.049	3.61%	68.31%
25.0	716.705	34.425	673.473	3.40%	71.99%
26.0	628.007	31.742	705.216	3.14%	75.38%
27.0	543.759	28.668	733.883	2.83%	78.44%
28.0	466.126	25.568	759.451	2.53%	81.18%
29.0	386.098	22.297	781.748	2.20%	83.56%
30.0	314.831	18.925	800.673	1.87%	85.58%
31.0	260.376	16.007	816.68	1.58%	87.29%
32.0	225.607	13.923	830.603	1.38%	88.78%
33.0	175.478	11.816	842.419	1.17%	90.04%
34.0	122.387	9.014	851.433	0.89%	91.01%
35.0	98.592	6.863	858.296	0.68%	91.74%
36.0	81.799	5.744	864.04	0.57%	92.35%
37.0	69.656	4.940	868.979	0.49%	92.88%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	60.128	4.332	873.311	0.43%	93.35%
39.0	52.454	3.843	877.154	0.38%	93.76%
40.0	46.054	3.436	880.59	0.34%	94.12%
41.0	40.616	3.086	883.676	0.30%	94.45%
42.0	36.340	2.796	886.472	0.28%	94.75%
43.0	32.403	2.546	889.018	0.25%	95.02%
44.0	29.317	2.329	891.348	0.23%	95.27%
45.0	26.694	2.153	893.5	0.21%	95.50%
46.0	24.418	1.999	895.499	0.20%	95.72%
47.0	22.487	1.866	897.365	0.18%	95.92%
48.0	20.868	1.753	899.117	0.17%	96.10%
49.0	19.367	1.652	900.77	0.16%	96.28%
50.0	18.121	1.563	902.333	0.15%	96.45%
51.0	16.959	1.484	903.817	0.15%	96.61%
52.0	16.011	1.415	905.232	0.14%	96.76%
53.0	15.160	1.356	906.587	0.13%	96.90%
54.0	14.316	1.299	907.887	0.13%	97.04%
55.0	13.645	1.248	909.135	0.12%	97.17%
56.0	12.974	1.203	910.338	0.12%	97.30%
57.0	12.351	1.158	911.495	0.11%	97.43%
58.0	11.825	1.118	912.613	0.11%	97.55%
59.0	11.306	1.081	913.695	0.11%	97.66%
60.0	10.822	1.045	914.74	0.10%	97.77%
61.0	10.434	1.014	915.755	0.10%	97.88%
62.0	10.019	0.986	916.74	0.10%	97.99%
63.0	9.632	0.956	917.696	0.09%	98.09%
64.0	9.306	0.929	918.625	0.09%	98.19%
65.0	8.988	0.905	919.53	0.09%	98.29%
66.0	8.704	0.883	920.413	0.09%	98.38%
67.0	8.414	0.861	921.274	0.09%	98.47%
68.0	8.144	0.839	922.113	0.08%	98.56%
69.0	7.881	0.818	922.93	0.08%	98.65%
70.0	7.604	0.795	923.725	0.08%	98.73%
71.0	7.369	0.774	924.499	0.08%	98.82%
72.0	7.134	0.754	925.253	0.07%	98.90%
73.0	6.912	0.735	925.988	0.07%	98.98%
74.0	6.691	0.715	926.703	0.07%	99.05%
75.0	6.497	0.697	927.4	0.07%	99.13%

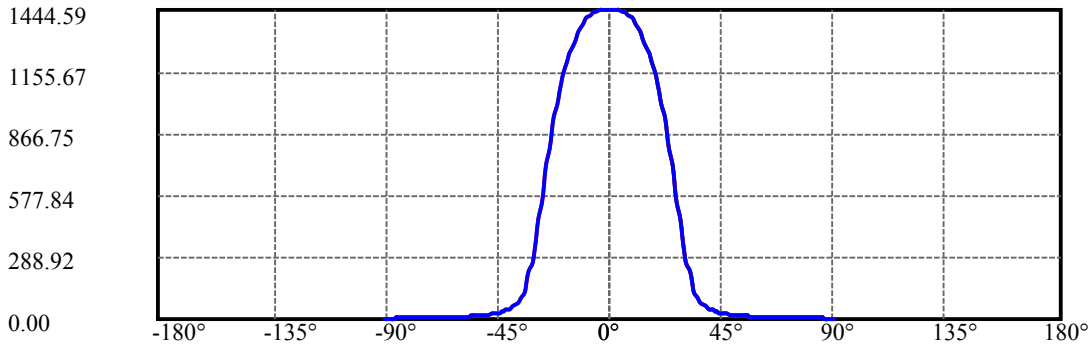
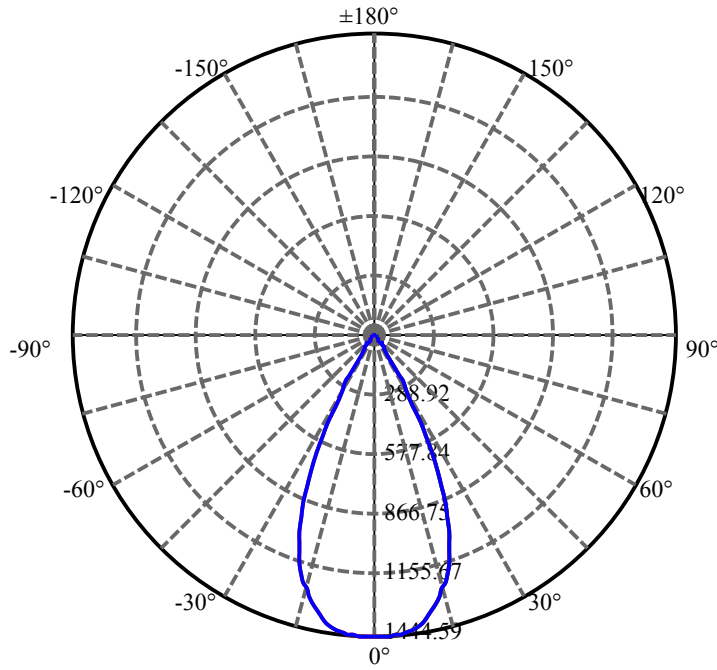
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.234	0.676	928.076	0.07%	99.20%
77.0	6.034	0.654	928.73	0.06%	99.27%
78.0	5.819	0.634	929.364	0.06%	99.34%
79.0	5.584	0.613	929.977	0.06%	99.40%
80.0	5.383	0.591	930.568	0.06%	99.47%
81.0	5.182	0.571	931.14	0.06%	99.53%
82.0	5.003	0.552	931.692	0.05%	99.59%
83.0	4.830	0.534	932.226	0.05%	99.64%
84.0	4.657	0.517	932.743	0.05%	99.70%
85.0	4.539	0.502	933.245	0.05%	99.75%
86.0	4.380	0.488	933.733	0.05%	99.80%
87.0	4.269	0.473	934.206	0.05%	99.85%
88.0	4.172	0.462	934.668	0.05%	99.90%
89.0	4.075	0.452	935.12	0.04%	99.95%
90.0	4.048	0.445	935.566	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	800.67	79.11%	85.58%
0-40	880.59	87.00%	94.12%
0-60	914.74	90.38%	97.77%
0-90	935.12	92.39%	99.95%
0-120	935.12	92.39%	99.95%
0-180	935.57	92.43%	100.00%
60-90	20.38	2.01%	2.18%
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%
0-27.57	748.45	73.95%	80.00%

ZONAL LUMEN SUMMARY

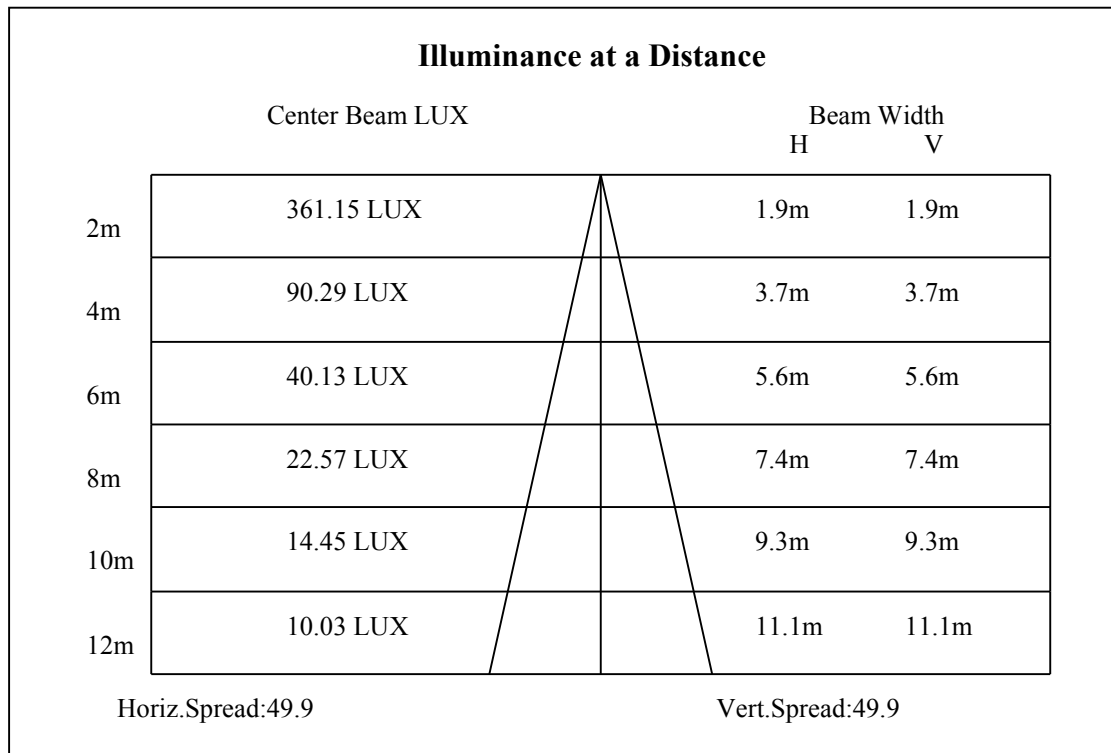
0-10	136.00
10-20	349.54
20-30	315.14
30-40	79.92
40-50	21.74
50-60	12.41
60-70	8.99
70-80	6.84
80-90	4.55
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

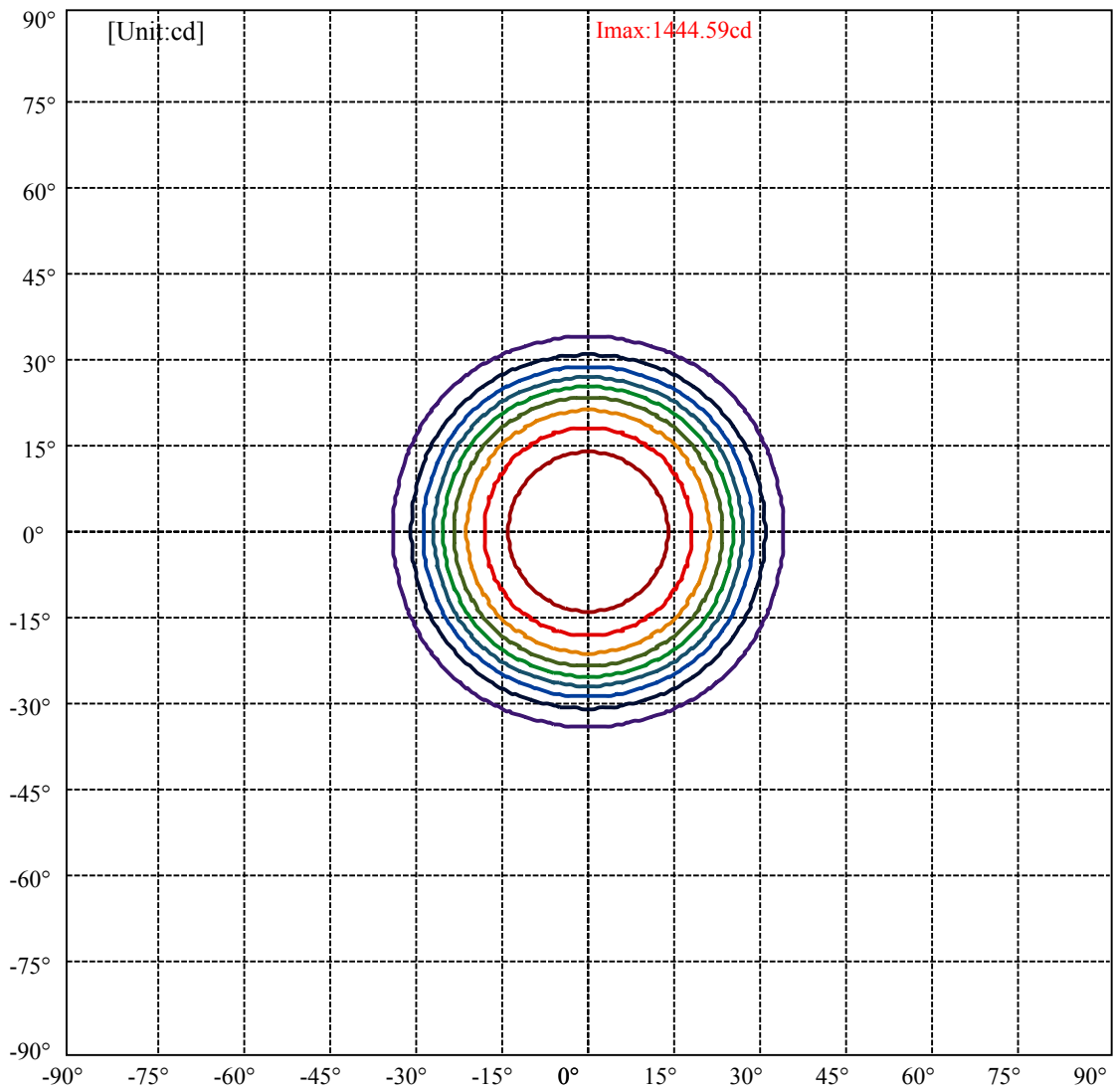


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:33.6 Right:33.6  
:C90/270Left:33.6 Right:33.6

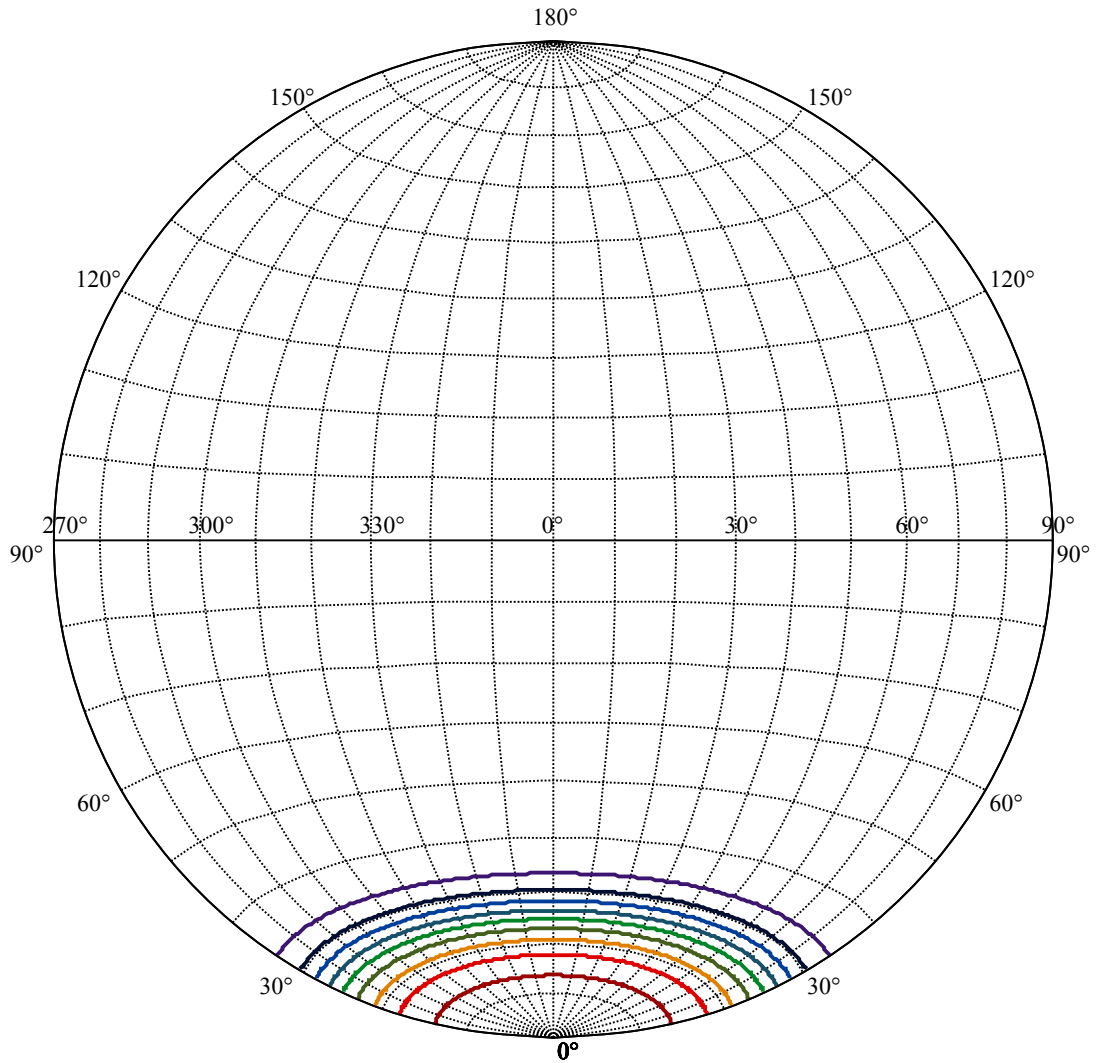
Beam Angle(50%Imax):C0/180Left:24.9 Right:24.9  
:C90/270Left:24.9 Right:24.9





(10%Imax) 144.459	—
(20%Imax) 288.918	—
(30%Imax) 433.377	—
(40%Imax) 577.836	—
(50%Imax) 722.295	—
(60%Imax) 866.754	—
(70%Imax) 1011.21	—
(80%Imax) 1155.67	—
(90%Imax) 1300.13	—





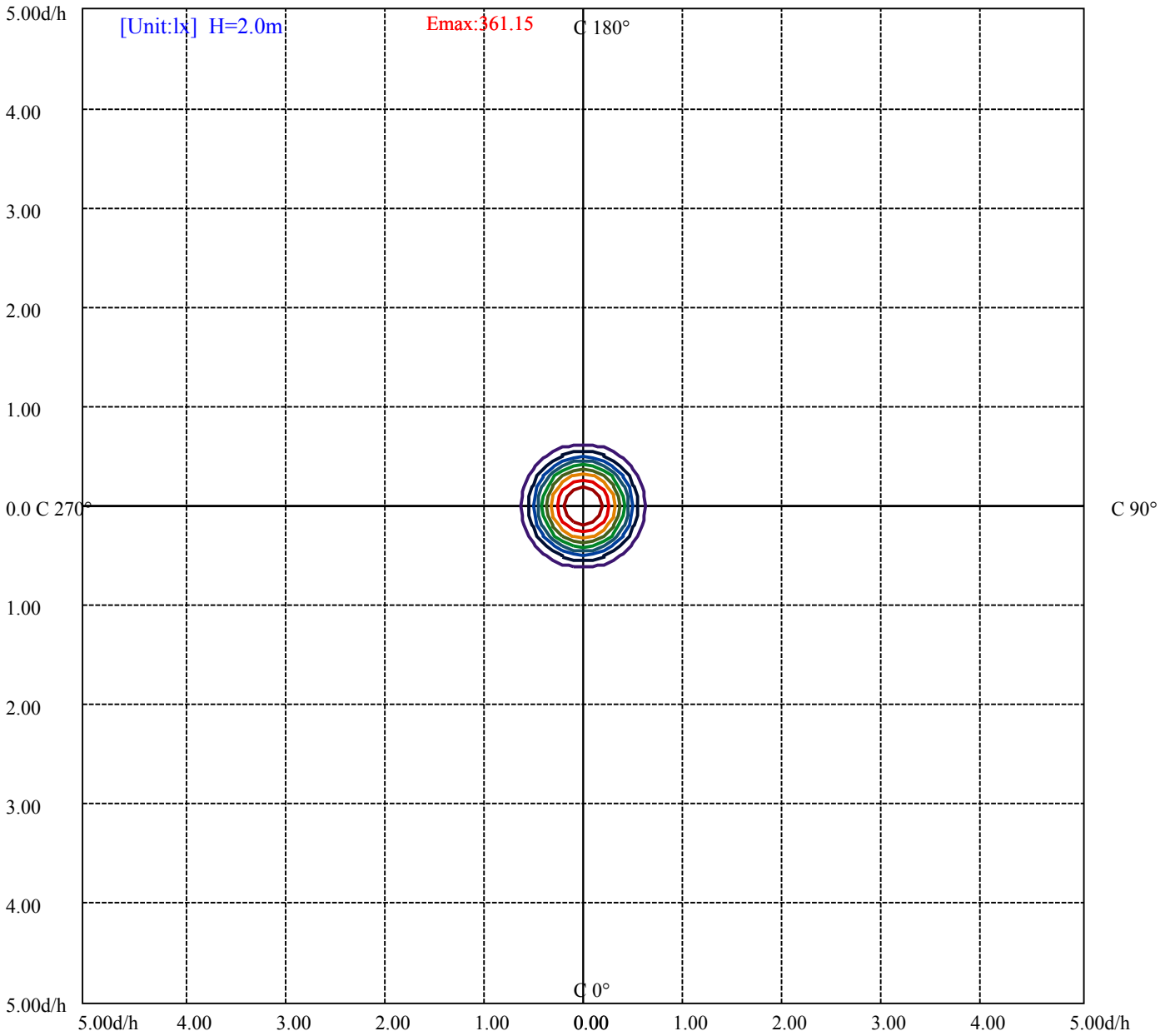
House

[Unit:cd]

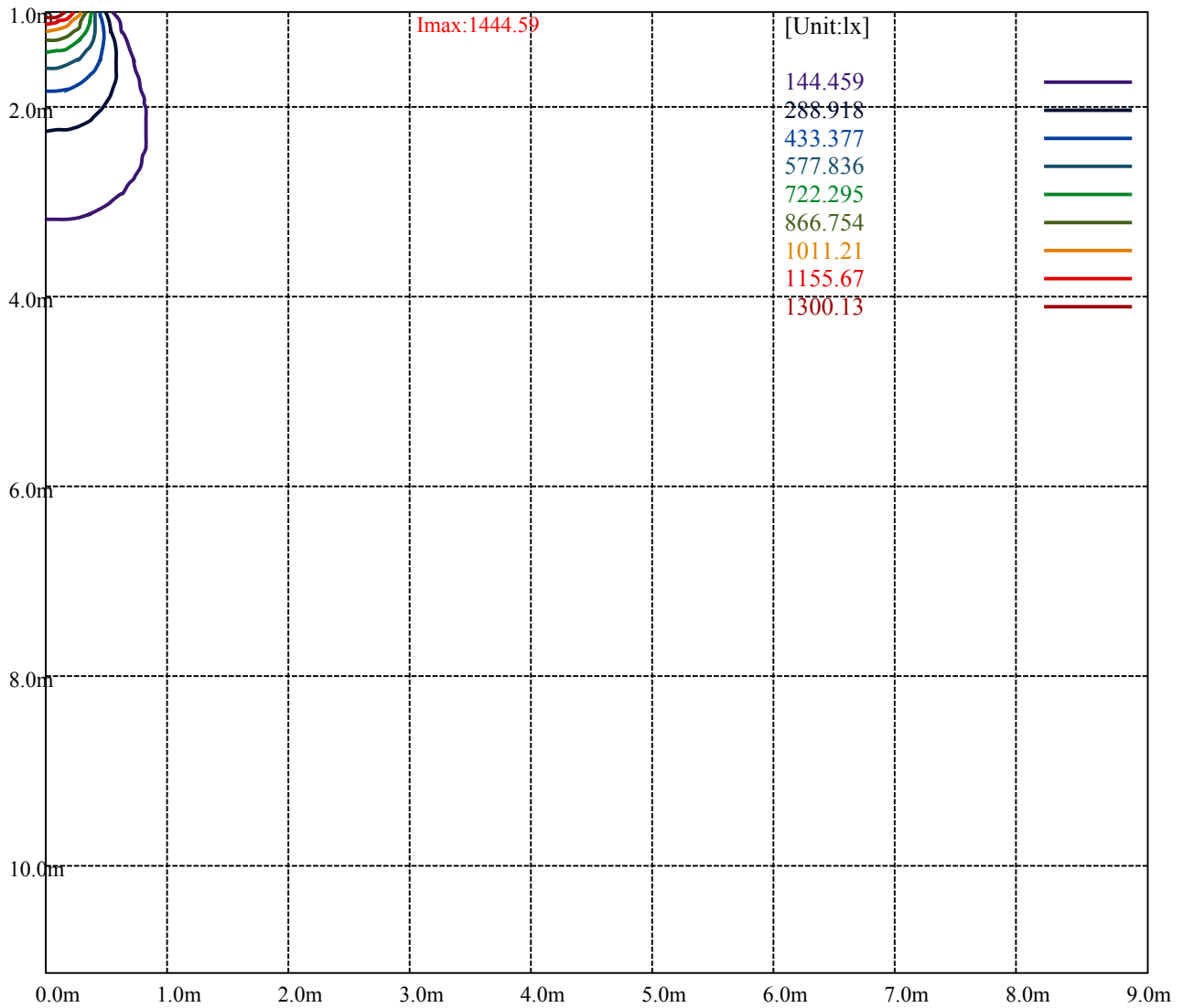
Road

**Imax:1444.59**

(10%Imax)	144.459	—
(20%Imax)	288.918	—
(30%Imax)	433.377	—
(40%Imax)	577.836	—
(50%Imax)	722.295	—
(60%Imax)	866.754	—
(70%Imax)	1011.21	—
(80%Imax)	1155.67	—
(90%Imax)	1300.13	—



- (10%Emax) 36.11475 ———
- (20%Emax) 72.2295 ———
- (30%Emax) 108.3443 ———
- (40%Emax) 144.459 ———
- (50%Emax) 180.5737 ———
- (60%Emax) 216.6885 ———
- (70%Emax) 252.8025 ———
- (80%Emax) 288.9175 ———
- (90%Emax) 325.0325 ———



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

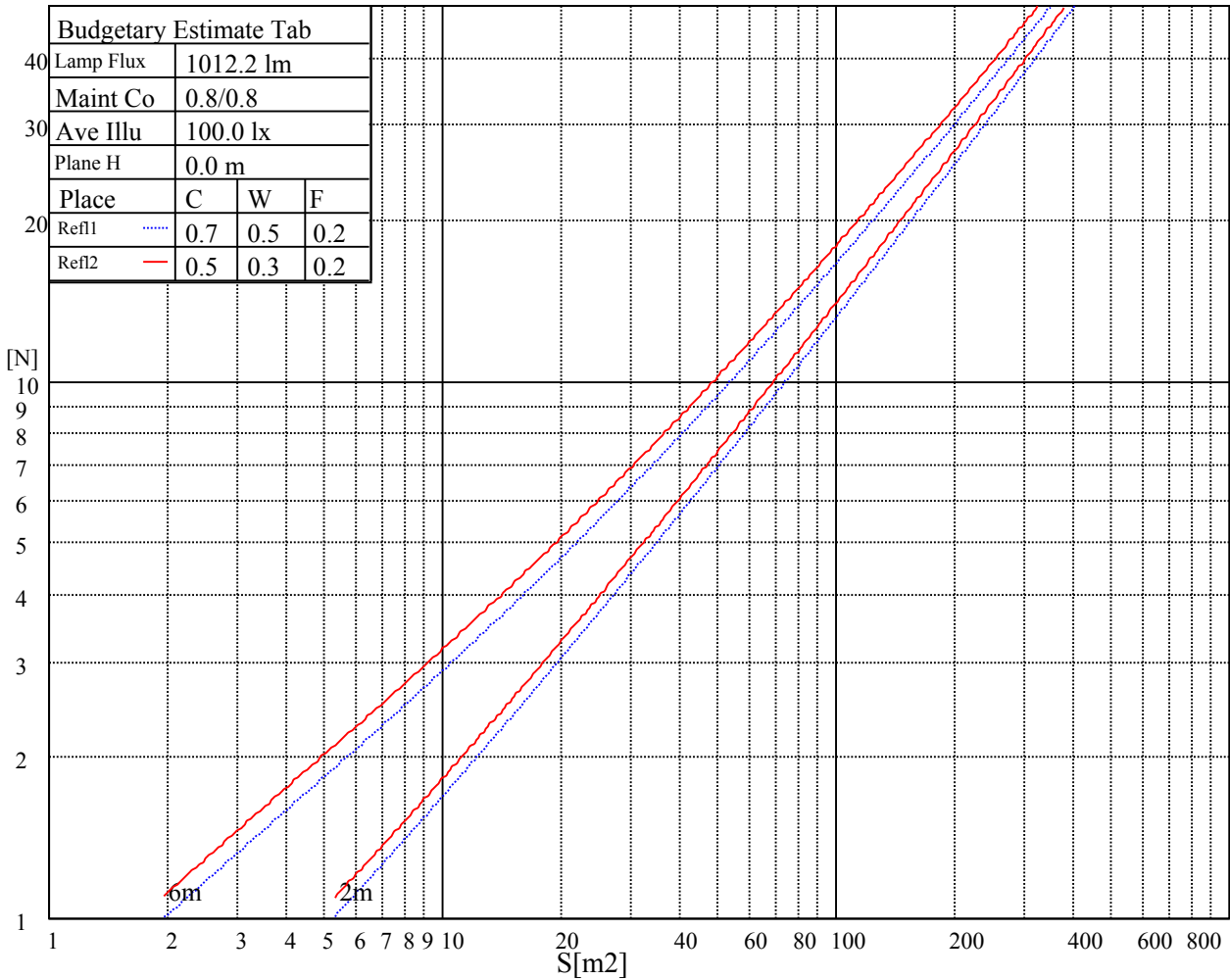
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

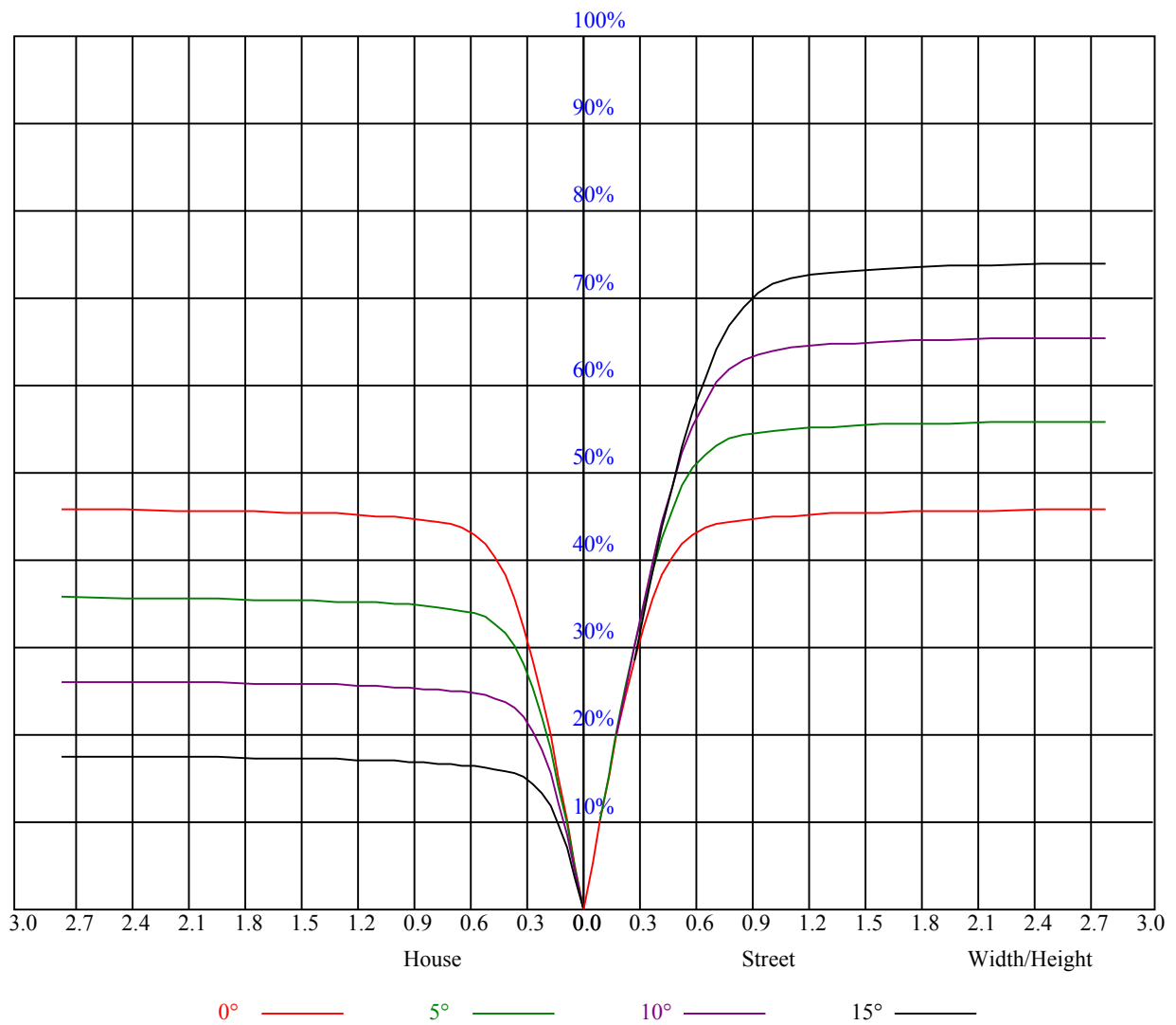


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	1.10	1.10	1.10	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.00	0.98	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.94	0.91	0.89	0.92	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	0.83	0.81	0.84	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.65
7	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.61	0.57	0.55	0.53





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	1432.55	1420.93	1413.18	1401.55	1384.39	1372.77	1356.16	1341.77	1317.42
45.0	1456.35	1434.77	1405.43	1385.50	1360.04	1342.88	1326.27	1306.34	1283.10
90.0	1436.43	1413.18	1394.91	1379.41	1363.36	1342.88	1325.72	1300.81	1279.78
135.0	1453.03	1447.50	1443.07	1441.96	1439.19	1431.44	1425.36	1419.27	1407.64
180.0	1432.55	1451.92	1461.89	1469.64	1482.37	1492.89	1500.64	1501.74	1501.19
225.0	1456.35	1470.75	1495.65	1511.15	1523.88	1537.72	1546.58	1553.78	1553.78
270.0	1436.43	1454.14	1469.08	1486.80	1507.28	1520.01	1530.53	1542.70	1548.24
315.0	1453.03	1454.69	1461.34	1463.00	1466.87	1468.53	1471.85	1472.96	1470.75
360.0	1432.55	1420.93	1413.18	1401.55	1384.39	1372.77	1356.16	1341.77	1317.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1294.72	1269.81	1241.58	1221.65	1200.07	1180.69	1097.39	1097.39	1082.27
45.0	1260.96	1233.83	1211.14	1185.67	1170.73	1159.66	1146.37	1124.23	1102.64
90.0	1253.76	1221.65	1196.74	1176.26	1159.10	1099.43	1099.43	1087.14	1063.84
135.0	1395.46	1374.98	1349.52	1317.42	1295.27	1270.37	1247.67	1217.78	1186.23
180.0	1499.53	1493.99	1482.92	1465.21	1436.43	1403.77	1378.86	1352.29	1313.54
225.0	1550.45	1538.83	1517.80	1495.10	1465.21	1439.75	1392.70	1355.06	1315.20
270.0	1550.45	1545.47	1532.19	1506.72	1477.94	1447.50	1417.05	1374.43	1336.79
315.0	1459.67	1442.51	1420.93	1387.16	1363.91	1338.45	1300.81	1264.83	1225.53
360.0	1294.72	1269.81	1241.58	1221.65	1200.07	1180.69	1097.39	1097.39	1082.27
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1047.90	1006.33	959.94	889.98	825.88	751.76	674.32	578.45	502.61
45.0	1063.90	1035.11	1001.35	948.76	896.17	838.05	776.61	687.49	610.55
90.0	1030.68	998.03	960.27	913.39	842.59	775.28	688.71	616.36	542.47
135.0	1155.78	1109.29	1060.57	1012.42	950.97	888.98	823.11	729.56	648.19
180.0	1278.11	1238.81	1176.26	1127.55	1069.43	984.19	919.98	850.78	752.81
225.0	1247.67	1094.34	1094.34	1059.74	989.33	899.72	823.50	743.90	645.31
270.0	1296.38	1248.78	1172.94	1113.71	1055.04	988.62	891.75	822.55	715.17
315.0	1097.55	1097.55	1052.00	993.76	918.76	853.66	780.21	704.54	606.95
360.0	1047.90	1006.33	959.94	889.98	825.88	751.76	674.32	578.45	502.61
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	408.62	341.42	276.99	207.35	164.68	132.79	104.06	87.74	74.89
45.0	529.73	450.02	359.80	297.25	282.30	282.30	143.20	117.40	98.97
90.0	446.32	375.52	309.32	250.03	187.87	152.67	125.32	105.67	85.47
135.0	565.71	484.90	393.01	327.14	282.30	282.30	159.47	128.14	106.39
180.0	666.46	582.87	506.49	411.83	343.75	281.20	281.20	161.02	126.87
225.0	566.93	491.21	418.09	334.61	272.67	204.31	160.69	123.83	93.44
270.0	637.12	552.43	464.97	394.67	325.48	291.71	291.71	146.13	115.41
315.0	529.18	450.63	360.13	295.75	223.96	177.57	138.16	109.16	87.29
360.0	408.62	341.42	276.99	207.35	164.68	132.79	104.06	87.74	74.89
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	64.49	55.08	49.04	43.90	39.36	34.32	31.22	28.51	25.68
45.0	80.32	67.64	56.18	49.60	43.90	39.02	33.88	30.28	27.46
90.0	73.07	62.88	53.53	47.44	41.18	36.81	32.88	29.12	26.57
135.0	86.41	74.06	64.38	54.74	48.38	42.07	37.81	33.99	31.00
180.0	101.68	84.19	70.08	61.28	52.09	46.00	40.96	35.92	32.44
225.0	79.54	69.80	61.61	52.75	46.55	42.12	37.97	33.65	30.78
270.0	93.49	77.44	68.20	59.84	52.75	44.95	40.41	36.42	32.16
315.0	75.39	66.15	58.01	50.10	44.23	39.63	35.59	31.33	28.45
360.0	64.49	55.08	49.04	43.90	39.36	34.32	31.22	28.51	25.68

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	23.80	22.14	20.31	19.04	17.93	16.77	15.94	15.17	14.45
45.0	25.08	22.64	20.98	19.48	17.93	16.83	15.67	14.83	14.12
90.0	24.41	22.58	20.65	19.26	18.05	16.99	15.89	15.11	14.34
135.0	27.68	25.52	23.64	21.98	20.09	18.82	17.71	16.72	15.67
180.0	29.50	27.01	24.30	22.47	20.92	19.54	18.05	16.99	16.05
225.0	28.23	25.52	23.75	22.09	20.26	19.10	17.71	16.72	15.83
270.0	29.34	26.35	24.41	22.58	20.98	19.26	18.10	17.05	16.11
315.0	25.52	23.58	21.86	20.04	18.76	17.66	16.61	15.50	14.72
360.0	23.80	22.14	20.31	19.04	17.93	16.77	15.94	15.17	14.45
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.67	13.06	12.51	11.85	11.40	10.96	10.46	10.07	9.74
45.0	13.34	12.79	12.23	11.73	11.29	10.79	10.35	10.02	9.58
90.0	13.51	12.95	12.34	11.73	11.29	10.85	10.35	10.02	9.63
135.0	14.83	14.00	13.40	12.84	12.18	11.68	11.18	10.79	10.24
180.0	15.00	14.28	13.56	12.84	12.29	11.68	11.24	10.79	10.41
225.0	15.06	14.34	13.51	12.90	12.34	11.73	11.24	10.85	10.41
270.0	15.11	14.34	13.67	12.90	12.34	11.85	11.24	10.85	10.46
315.0	14.00	13.40	12.57	12.01	11.46	10.90	10.52	10.07	9.69
360.0	13.67	13.06	12.51	11.85	11.40	10.96	10.46	10.07	9.74
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.35	9.08	8.80	8.52	8.19	7.97	7.75	7.53	7.25
45.0	9.24	8.97	8.64	8.41	8.08	7.86	7.64	7.36	7.14
90.0	9.35	8.97	8.69	8.47	8.25	7.86	7.64	7.42	7.14
135.0	9.91	9.58	9.24	8.91	8.64	8.36	8.03	7.75	7.47
180.0	9.91	9.63	9.30	9.02	8.64	8.41	8.14	7.80	7.58
225.0	9.96	9.63	9.24	8.91	8.69	8.36	8.08	7.80	7.58
270.0	9.96	9.63	9.30	8.97	8.64	8.41	8.14	7.80	7.58
315.0	9.35	8.97	8.69	8.41	8.19	7.92	7.64	7.36	7.20
360.0	9.35	9.08	8.80	8.52	8.19	7.97	7.75	7.53	7.25
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.03	6.81	6.53	6.37	6.03	5.81	5.65	5.42	5.20
45.0	6.97	6.75	6.53	6.31	6.14	5.92	5.70	5.48	5.37
90.0	6.92	6.64	6.48	6.31	6.09	5.87	5.65	5.42	5.26
135.0	7.25	7.03	6.81	6.59	6.37	6.14	5.98	5.70	5.48
180.0	7.36	7.09	6.92	6.70	6.42	6.25	6.03	5.81	5.59
225.0	7.25	7.09	6.86	6.64	6.42	6.14	5.92	5.70	5.42
270.0	7.36	7.14	6.86	6.70	6.37	6.20	5.98	5.70	5.48
315.0	6.92	6.75	6.53	6.37	6.03	5.92	5.65	5.42	5.26
360.0	7.03	6.81	6.53	6.37	6.03	5.81	5.65	5.42	5.20
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.04	4.87	4.71	4.54	4.48	4.26	4.15	4.10	4.10
45.0	5.09	4.98	4.82	4.65	4.48	4.32	4.26	4.15	4.04
90.0	5.04	4.87	4.76	4.54	4.43	4.26	4.21	4.10	3.99
135.0	5.31	5.09	4.93	4.71	4.59	4.43	4.26	4.21	4.04
180.0	5.37	5.15	4.98	4.82	4.71	4.54	4.43	4.32	4.15
225.0	5.26	5.09	4.87	4.71	4.59	4.43	4.32	4.21	4.15
270.0	5.31	5.09	4.87	4.76	4.59	4.48	4.32	4.21	4.10
315.0	5.04	4.87	4.71	4.54	4.43	4.32	4.21	4.10	4.04
360.0	5.04	4.87	4.71	4.54	4.48	4.26	4.15	4.10	4.10

Intensity data(cd)

C/γ(°)	90.0
0.0	4.10
45.0	4.04
90.0	3.99
135.0	4.04
180.0	4.10
225.0	4.10
270.0	4.04
315.0	3.99
360.0	4.10