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

NT

Client: NT
LumCAT: 1-1545-L & 92.70.378.00
Luminaire: 92.70.457.00 LED HOLDER
Report No: 20241113-B006
Ballast type: AC

Test No: 20241113-C006	Voltage(V): 35.300
LampCAT: LIMILEDS LUXEON 1202HD	Current(A): 0.200
Lamp flux(lm): 855.0	Power (W): 7.060
Number of Lamps: 1	PF: 0.000
Length(mm): 35	Width(mm): 35
Phm Type: C	Height(mm): 24

Photometric Results

Lumens(lm): 794.24, Efficiency(%): 92.89% , Luminous Efficacy(lm/W): 112.50
Central intensity(cd): 1885.361, Maximum intensity(cd): 1885.361
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.2
[C90/270]Total=36.2
Field angle(10%Imax): [C0/180]Total=59.2
[C90/270]Total=59.2
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
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 : 97.583%

Equipment: GMS1980	Date: 2024/11/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1885.361	0.000	0	0.00%	0.00%
1.0	1881.264	1.802	1.802	0.21%	0.23%
2.0	1873.656	5.389	7.192	0.63%	0.91%
3.0	1861.732	8.934	16.126	1.04%	2.03%
4.0	1844.980	12.408	28.533	1.45%	3.59%
5.0	1829.179	15.806	44.339	1.85%	5.58%
6.0	1807.453	19.111	63.451	2.24%	7.99%
7.0	1780.971	22.273	85.724	2.61%	10.79%
8.0	1745.931	25.241	110.965	2.95%	13.97%
9.0	1701.893	27.943	138.908	3.27%	17.49%
10.0	1647.979	30.315	169.223	3.55%	21.31%
11.0	1580.751	32.262	201.485	3.77%	25.37%
12.0	1505.916	33.742	235.226	3.95%	29.62%
13.0	1412.616	34.636	269.862	4.05%	33.98%
14.0	1315.147	34.915	304.777	4.08%	38.37%
15.0	1212.074	34.695	339.472	4.06%	42.74%
16.0	1133.193	34.365	373.837	4.02%	47.07%
17.0	1045.175	33.923	407.76	3.97%	51.34%
18.0	950.413	32.903	440.663	3.85%	55.48%
19.0	861.846	31.530	472.192	3.69%	59.45%
20.0	783.894	30.122	502.314	3.52%	63.24%
21.0	709.563	28.677	530.991	3.35%	66.85%
22.0	639.834	27.117	558.108	3.17%	70.27%
23.0	573.213	25.453	583.561	2.98%	73.47%
24.0	508.539	23.651	607.212	2.77%	76.45%
25.0	441.618	21.604	628.816	2.53%	79.17%
26.0	376.424	19.310	648.126	2.26%	81.60%
27.0	318.479	17.001	665.127	1.99%	83.74%
28.0	275.561	15.040	680.167	1.76%	85.64%
29.0	214.953	12.833	693	1.50%	87.25%
30.0	170.176	10.398	703.399	1.22%	88.56%
31.0	125.011	8.215	711.614	0.96%	89.60%
32.0	97.067	6.362	717.976	0.74%	90.40%
33.0	75.209	5.075	723.051	0.59%	91.04%
34.0	63.709	4.204	727.255	0.49%	91.57%
35.0	55.633	3.706	730.961	0.43%	92.03%
36.0	50.044	3.365	734.326	0.39%	92.46%
37.0	45.296	3.109	737.436	0.36%	92.85%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	41.339	2.892	740.327	0.34%	93.21%
39.0	37.637	2.696	743.023	0.32%	93.55%
40.0	34.389	2.512	745.535	0.29%	93.87%
41.0	31.653	2.352	747.887	0.28%	94.16%
42.0	29.042	2.205	750.092	0.26%	94.44%
43.0	26.767	2.067	752.159	0.24%	94.70%
44.0	24.777	1.945	754.105	0.23%	94.95%
45.0	22.816	1.829	755.934	0.21%	95.18%
46.0	21.171	1.720	757.654	0.20%	95.39%
47.0	19.700	1.626	759.28	0.19%	95.60%
48.0	18.449	1.542	760.822	0.18%	95.79%
49.0	17.264	1.467	762.288	0.17%	95.98%
50.0	16.306	1.400	763.688	0.16%	96.15%
51.0	15.369	1.340	765.028	0.16%	96.32%
52.0	14.550	1.284	766.312	0.15%	96.48%
53.0	13.811	1.234	767.546	0.14%	96.64%
54.0	13.109	1.187	768.732	0.14%	96.79%
55.0	12.531	1.145	769.877	0.13%	96.93%
56.0	11.924	1.105	770.982	0.13%	97.07%
57.0	11.412	1.067	772.049	0.12%	97.21%
58.0	10.907	1.032	773.081	0.12%	97.34%
59.0	10.476	1.000	774.081	0.12%	97.46%
60.0	10.066	0.970	775.051	0.11%	97.58%
61.0	9.656	0.941	775.992	0.11%	97.70%
62.0	9.305	0.914	776.906	0.11%	97.82%
63.0	8.969	0.889	777.795	0.10%	97.93%
64.0	8.639	0.864	778.659	0.10%	98.04%
65.0	8.339	0.840	779.499	0.10%	98.14%
66.0	8.054	0.818	780.317	0.10%	98.25%
67.0	7.805	0.797	781.114	0.09%	98.35%
68.0	7.520	0.776	781.891	0.09%	98.44%
69.0	7.279	0.755	782.646	0.09%	98.54%
70.0	7.030	0.735	783.381	0.09%	98.63%
71.0	6.803	0.715	784.096	0.08%	98.72%
72.0	6.562	0.695	784.791	0.08%	98.81%
73.0	6.357	0.676	785.466	0.08%	98.89%
74.0	6.138	0.657	786.123	0.08%	98.98%
75.0	5.940	0.638	786.761	0.07%	99.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.728	0.619	787.38	0.07%	99.14%
77.0	5.523	0.600	787.98	0.07%	99.21%
78.0	5.318	0.580	788.561	0.07%	99.28%
79.0	5.106	0.560	789.121	0.07%	99.35%
80.0	4.923	0.541	789.661	0.06%	99.42%
81.0	4.755	0.523	790.185	0.06%	99.49%
82.0	4.587	0.507	790.691	0.06%	99.55%
83.0	4.418	0.490	791.181	0.06%	99.61%
84.0	4.294	0.475	791.656	0.06%	99.67%
85.0	4.155	0.461	792.117	0.05%	99.73%
86.0	4.016	0.447	792.563	0.05%	99.79%
87.0	3.914	0.434	792.997	0.05%	99.84%
88.0	3.826	0.424	793.421	0.05%	99.90%
89.0	3.738	0.415	793.836	0.05%	99.95%
90.0	3.716	0.409	794.245	0.05%	100.00%

Zonal flux distribution table

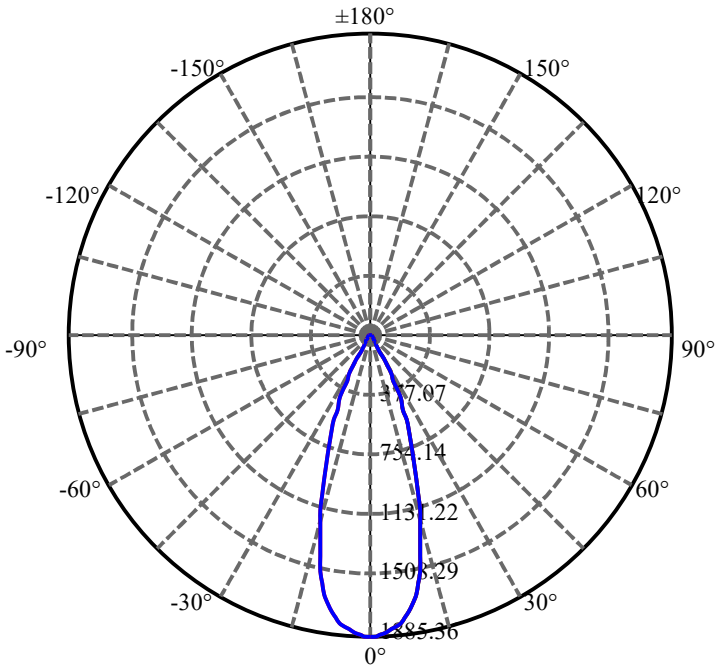
ZONAL LUMEN SUMMARY

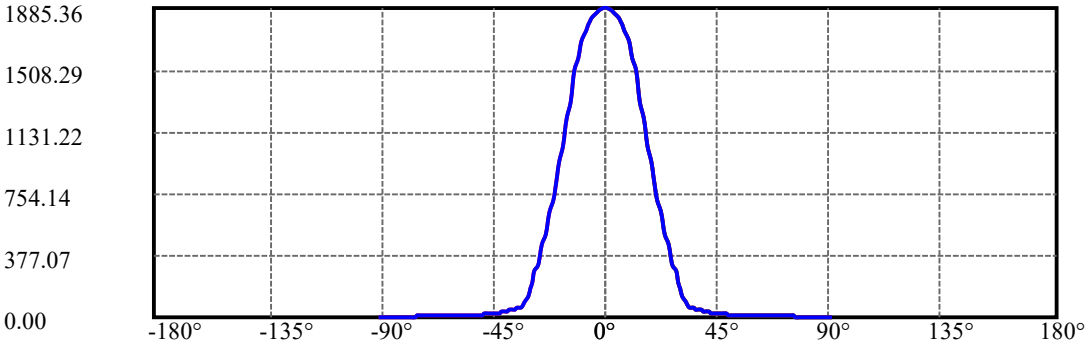
Zone	Lumens	%Lamp	%Fixt
0-30	703.40	82.27%	88.56%
0-40	745.54	87.20%	93.87%
0-60	775.05	90.65%	97.58%
0-90	793.84	92.85%	99.95%
0-120	793.84	92.85%	99.95%
0-180	794.24	92.89%	100.00%
60-90	18.78	2.20%	2.37%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.34	635.40	74.32%	80.00%

ZONAL LUMEN SUMMARY

0-10	169.22
10-20	333.09
20-30	201.08
30-40	42.14
40-50	18.15
50-60	11.36
60-70	8.33
70-80	6.28
80-90	4.17
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

Light Distribution Curve [Unit:cd]





C0(Max):

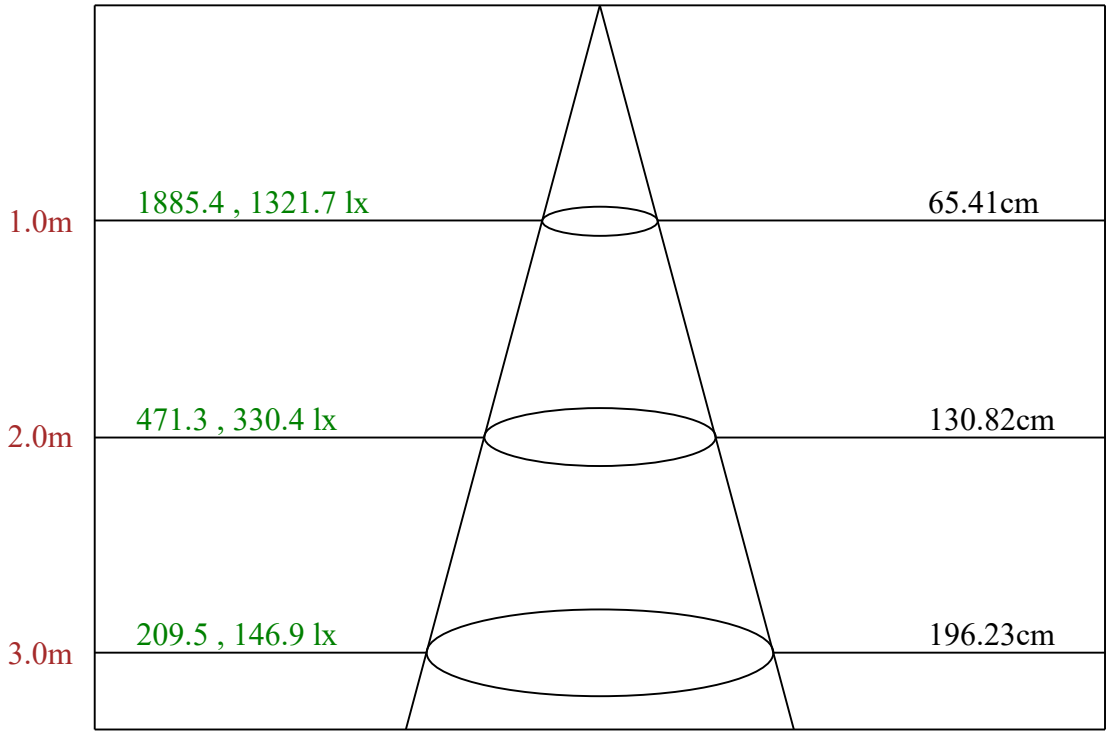
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.6 Right:29.6
:C90/270Left:29.6 Right:29.6

Beam Angle(50%Imax):C0/180Left:18.1 Right:18.1
:C90/270Left:18.1 Right:18.1

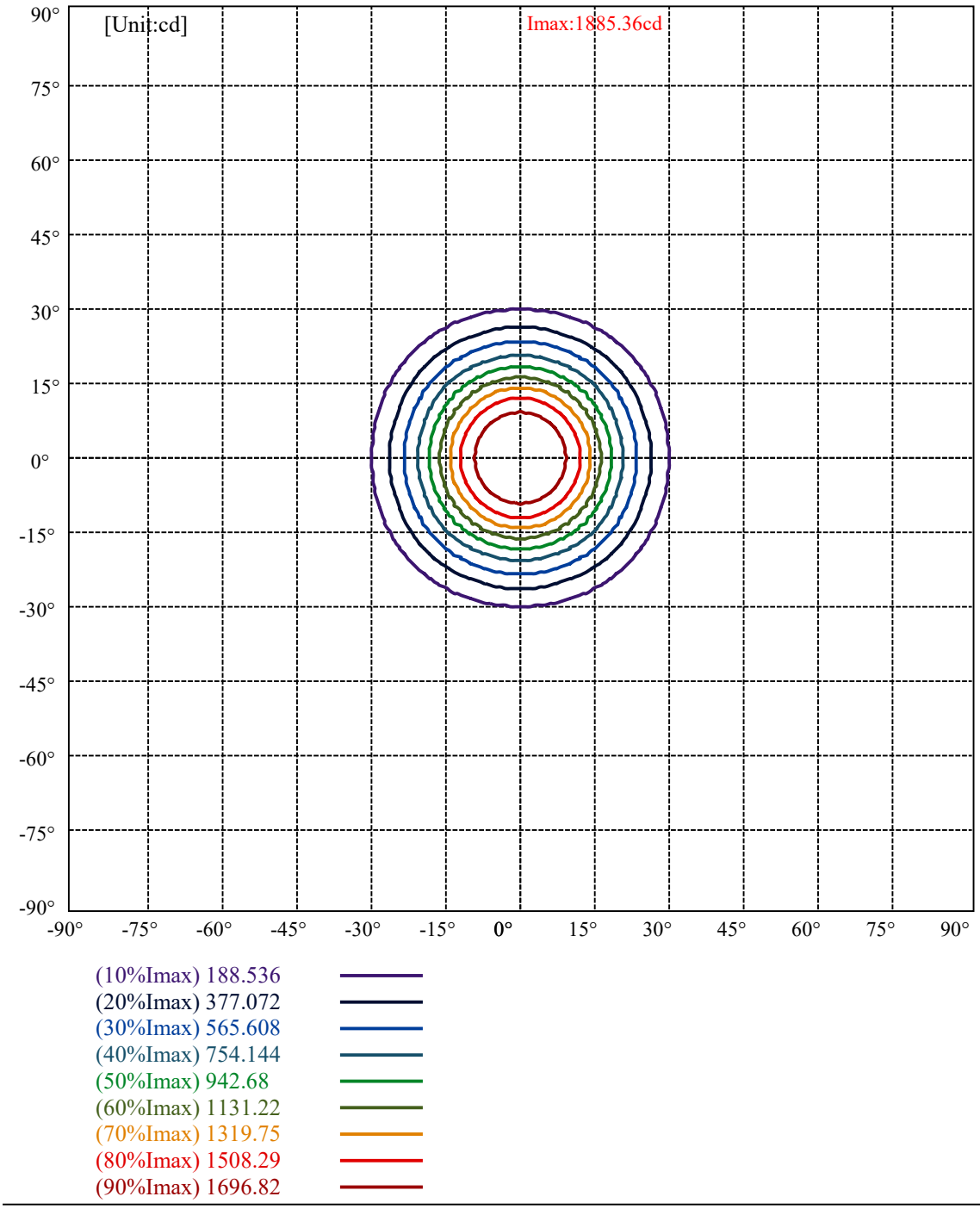
Lux distance Curve



Max , Ave

Beam angle of C0 plane 36.22

ISO-Intensity(V-H)



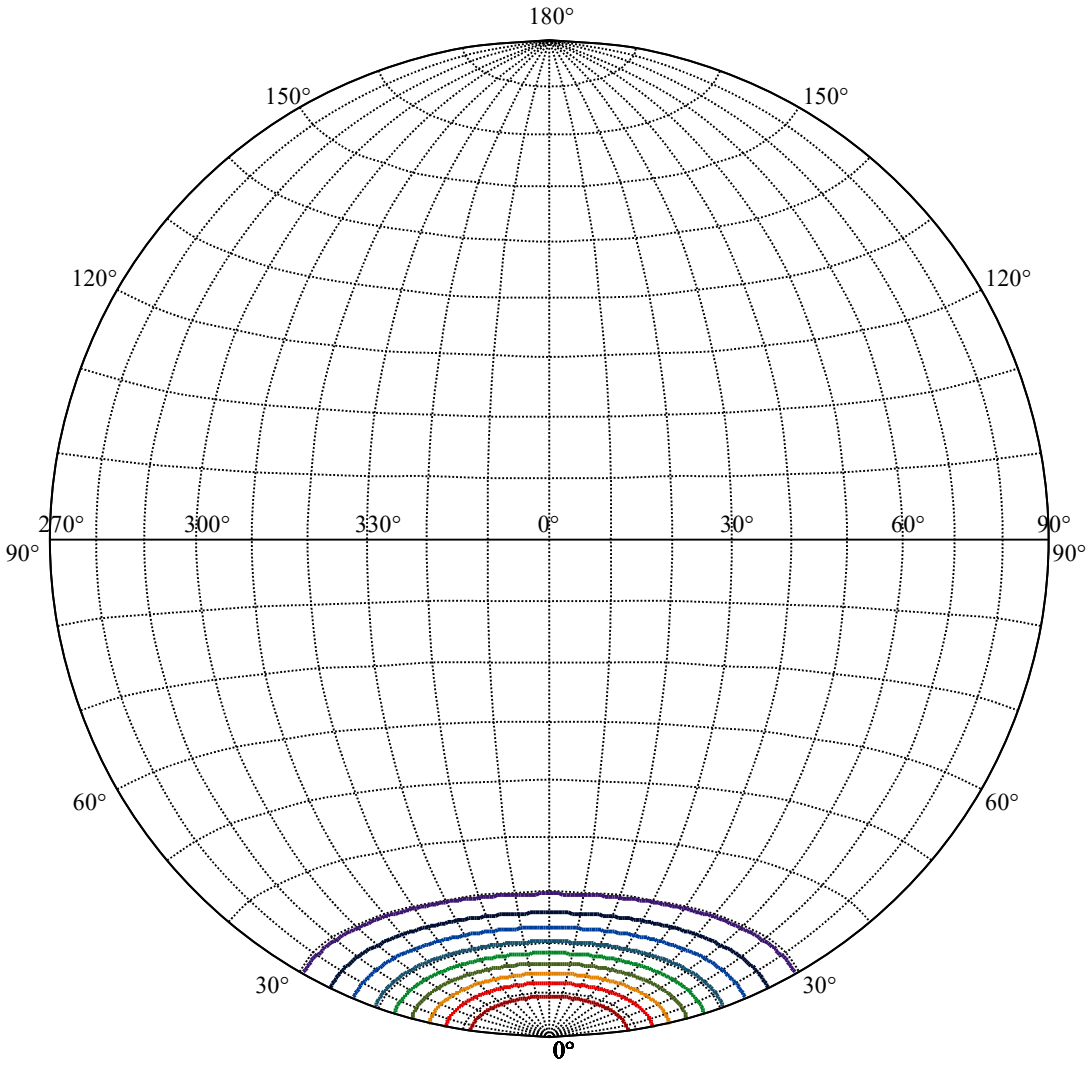
(10%Imax) 188.536
(20%Imax) 377.072
(30%Imax) 565.608
(40%Imax) 754.144
(50%Imax) 942.68
(60%Imax) 1131.22
(70%Imax) 1319.75
(80%Imax) 1508.29
(90%Imax) 1696.82

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/11/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1885.36

(10%Imax) 188.536
(20%Imax) 377.072
(30%Imax) 565.608
(40%Imax) 754.144
(50%Imax) 942.68
(60%Imax) 1131.22
(70%Imax) 1319.75
(80%Imax) 1508.29
(90%Imax) 1696.82

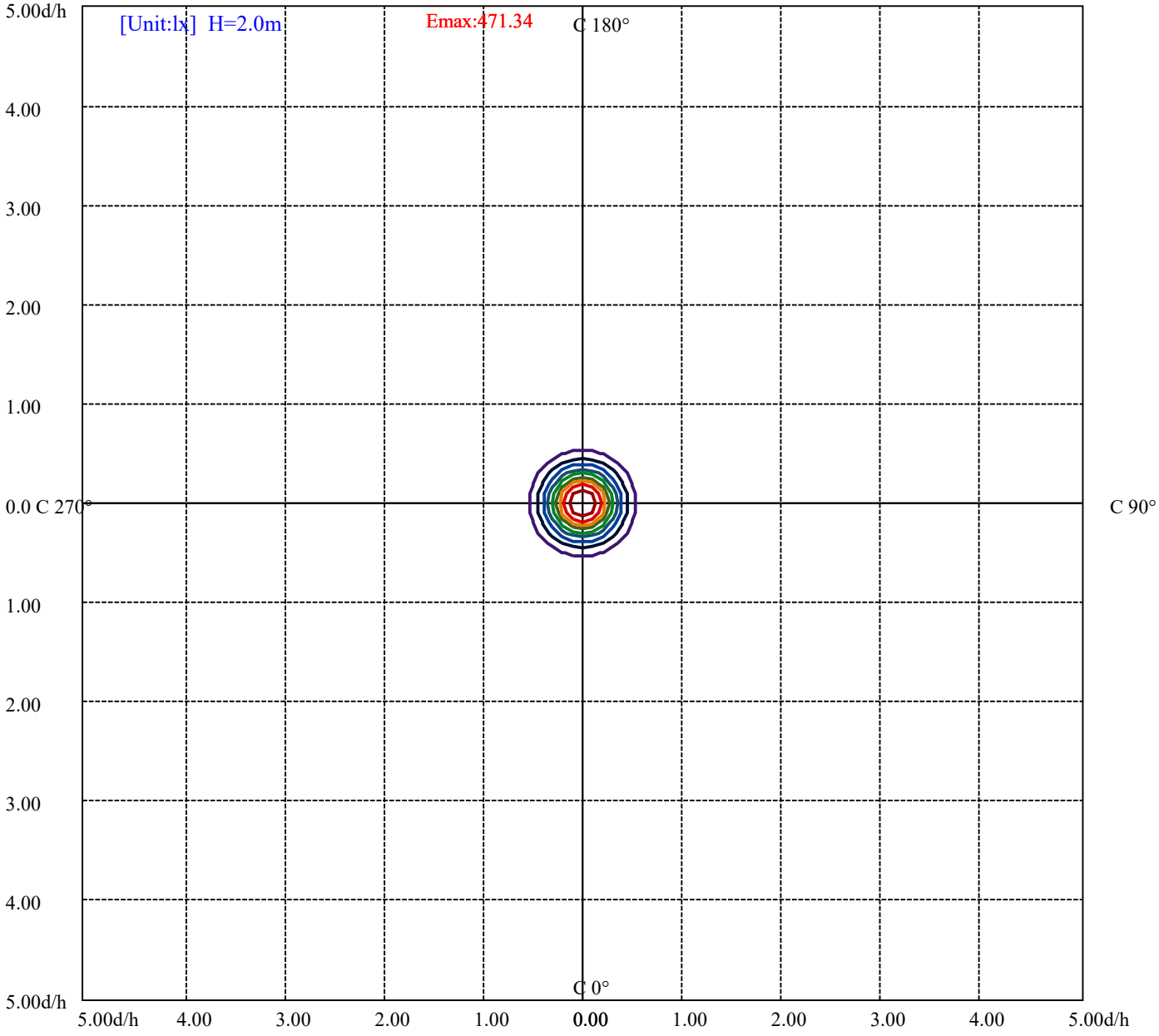
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/11/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1545-L & 92.70.378.00

ISO illuminance diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/11/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

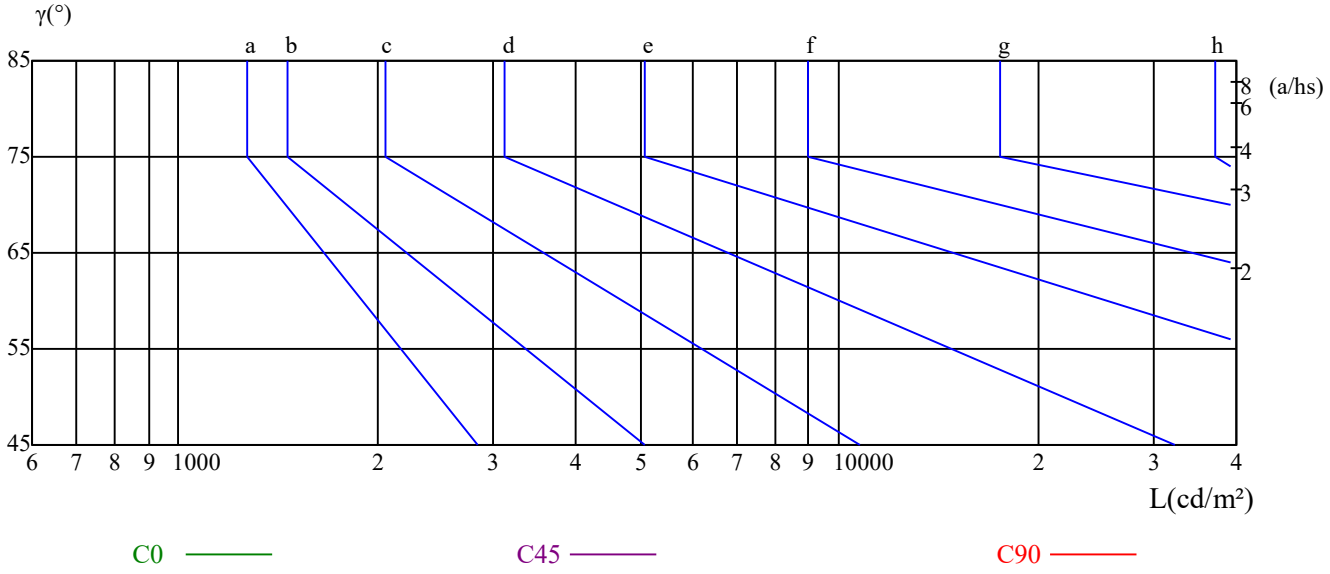
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

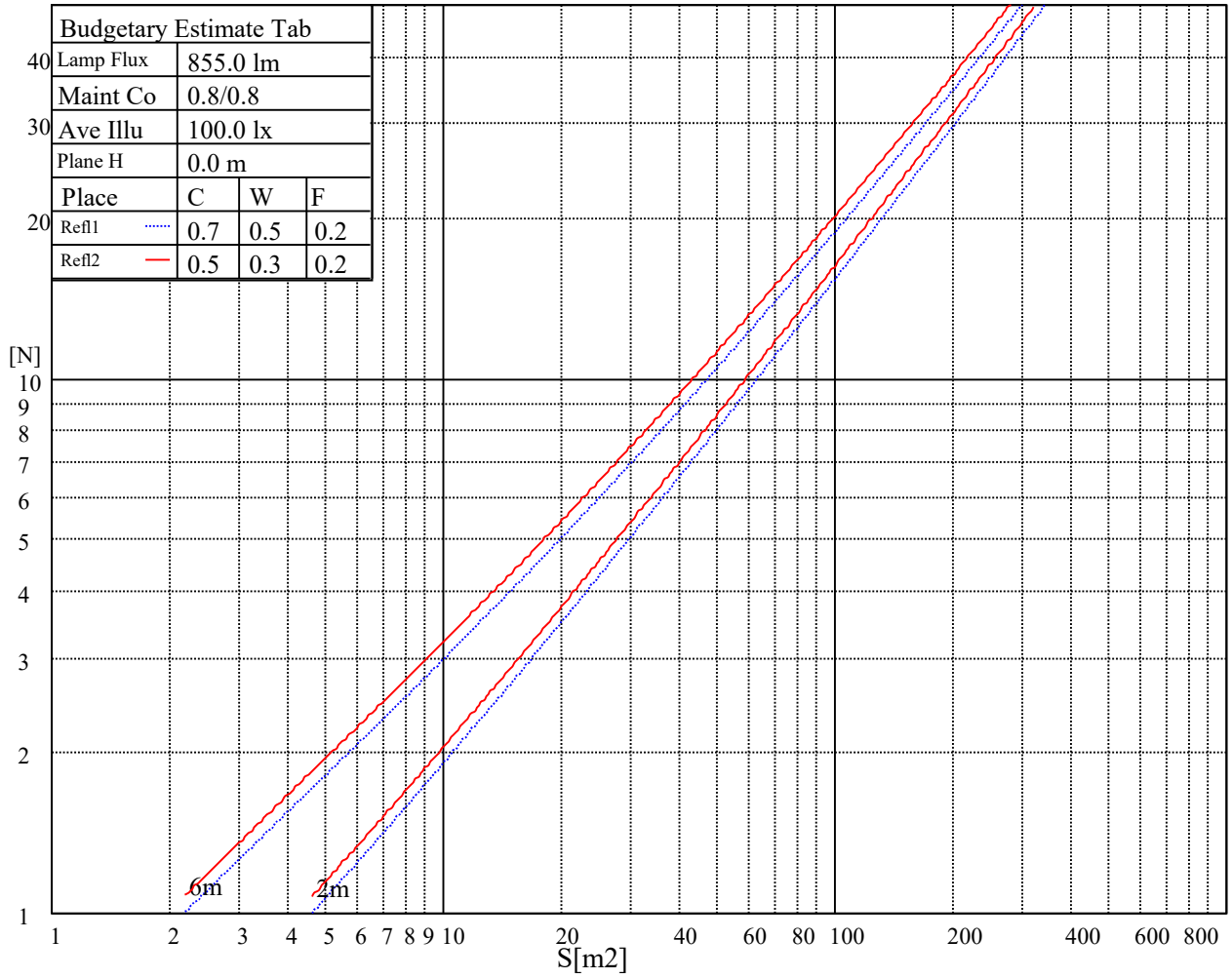
Luminance Limitting Curve



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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

Budgetary Estimate Table



Equipment: GMS1980 Date: 2024/11/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

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	COEFFCIENTS OF UTILIZATION RHOFC=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	1.03	1.01	0.99	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
5	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.76	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	0.74	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	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
9	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
10	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	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	1891.51	1893.85	1890.34	1882.73	1865.17	1852.88	1841.18	1822.45	1784.41
45.0	1883.31	1888.58	1895.02	1892.09	1885.65	1874.53	1859.90	1838.84	1820.11
90.0	1883.31	1882.14	1872.19	1864.00	1850.54	1837.67	1817.18	1792.60	1754.56
135.0	1883.31	1882.14	1878.63	1866.34	1845.27	1827.13	1807.82	1790.26	1759.83
180.0	1891.51	1886.24	1870.44	1852.30	1831.23	1817.77	1798.45	1773.88	1738.76
225.0	1883.31	1861.66	1847.03	1824.20	1807.82	1788.51	1750.47	1705.40	1656.25
270.0	1883.31	1879.22	1869.27	1856.39	1836.49	1815.43	1796.11	1765.10	1731.74
315.0	1883.31	1876.29	1866.34	1855.81	1837.67	1819.52	1788.51	1759.24	1721.79
360.0	1891.51	1893.85	1890.34	1882.73	1865.17	1852.88	1841.18	1822.45	1784.41

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1742.86	1698.38	1638.10	1550.32	1482.43	1401.67	1163.02	1163.02	1092.73
45.0	1795.53	1763.34	1707.75	1655.07	1587.19	1509.35	1435.62	1329.69	1233.71
90.0	1714.18	1666.78	1587.19	1521.64	1449.66	1284.04	1153.65	1153.65	1059.55
135.0	1722.38	1681.41	1626.40	1537.44	1472.48	1396.41	1293.41	1195.67	1098.53
180.0	1693.70	1623.47	1557.34	1485.36	1382.95	1296.33	1199.77	1078.63	987.92
225.0	1598.89	1525.15	1438.54	1364.80	1155.64	1155.64	1057.68	969.37	884.74
270.0	1673.80	1621.72	1557.34	1467.22	1397.58	1311.55	1227.28	1101.45	1013.67
315.0	1673.80	1603.58	1533.35	1465.46	1373.00	1166.18	1166.18	1074.06	990.55
360.0	1742.86	1698.38	1638.10	1550.32	1482.43	1401.67	1163.02	1163.02	1092.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1003.02	897.97	822.24	732.17	669.67	608.52	544.73	466.07	403.04
45.0	1137.15	1048.78	940.52	859.75	783.67	710.52	629.76	568.31	501.60
90.0	949.70	865.61	792.98	720.06	641.70	583.35	519.15	458.17	384.02
135.0	989.09	905.99	831.66	743.29	678.33	619.23	557.78	476.43	413.81
180.0	894.28	791.28	719.30	658.44	581.19	520.32	459.46	402.11	332.47
225.0	791.81	721.06	660.60	588.74	526.76	446.88	388.59	331.53	276.81
270.0	929.40	849.81	760.85	694.14	634.44	558.36	494.57	417.32	359.39
315.0	908.85	814.28	743.00	679.91	602.90	538.52	474.27	412.99	340.25
360.0	1003.02	897.97	822.24	732.17	669.67	608.52	544.73	466.07	403.04

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	343.59	286.35	225.14	179.43	142.03	110.84	81.58	67.94	58.23
45.0	421.42	356.46	296.77	296.77	184.29	146.31	108.38	84.74	69.52
90.0	325.15	257.79	209.74	168.25	124.77	96.80	76.02	63.38	55.83
135.0	352.95	295.60	295.60	183.23	145.55	106.34	82.40	67.71	57.76
180.0	303.21	303.21	181.77	135.30	104.99	80.12	61.98	55.19	49.16
225.0	214.95	172.47	135.83	104.93	77.31	64.43	58.00	53.08	47.46
270.0	302.03	302.03	188.97	148.18	114.70	88.90	68.12	59.58	54.25
315.0	284.54	230.58	185.81	145.31	106.45	82.81	65.19	58.05	52.85
360.0	343.59	286.35	225.14	179.43	142.03	110.84	81.58	67.94	58.23

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	53.37	48.98	44.01	40.38	37.34	34.53	31.37	29.09	26.98
45.0	57.94	51.91	47.17	43.01	38.33	35.23	32.48	29.96	27.68
90.0	51.15	46.82	42.90	38.39	35.46	32.77	29.73	27.45	25.46
135.0	52.61	46.88	42.78	39.03	35.82	32.30	29.85	27.62	25.57
180.0	44.89	41.08	37.63	33.88	31.25	28.79	26.51	24.11	22.36
225.0	43.54	39.21	36.11	33.42	30.31	28.21	26.16	24.35	22.30
270.0	49.63	44.36	40.67	37.40	33.77	31.13	28.27	26.16	24.29
315.0	47.23	43.13	39.44	35.58	32.83	30.26	27.97	25.40	23.58
360.0	53.37	48.98	44.01	40.38	37.34	34.53	31.37	29.09	26.98

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	24.70	23.00	21.48	20.19	18.73	17.73	16.56	15.74	14.98
45.0	25.16	23.29	21.24	19.78	18.49	17.15	16.21	15.33	14.34
90.0	23.23	21.59	20.07	18.55	17.56	16.56	15.68	14.75	14.05
135.0	23.70	21.65	20.13	18.84	17.56	16.56	15.45	14.75	14.05
180.0	20.78	19.08	17.91	16.85	15.68	14.86	14.10	13.23	12.58
225.0	20.83	19.61	18.49	17.26	16.33	15.51	14.51	13.81	13.17
270.0	22.18	20.66	19.37	18.20	17.03	16.15	15.33	14.57	13.75
315.0	21.95	20.48	18.90	17.91	16.74	15.92	15.10	14.22	13.58
360.0	24.70	23.00	21.48	20.19	18.73	17.73	16.56	15.74	14.98

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.10	13.46	12.82	12.29	11.65	11.12	10.71	10.24	9.83
45.0	13.64	12.99	12.41	11.70	11.24	10.83	10.36	9.89	9.60
90.0	13.40	12.82	12.17	11.70	11.12	10.71	10.30	9.83	9.48
135.0	13.23	12.64	12.11	11.65	11.06	10.65	10.30	9.89	9.48
180.0	12.00	11.53	10.89	10.48	10.12	9.77	9.31	9.01	8.72
225.0	12.47	11.88	11.41	10.83	10.36	10.01	9.66	9.19	8.90
270.0	13.11	12.52	11.82	11.35	10.89	10.36	9.95	9.60	9.19
315.0	12.93	12.41	11.76	11.29	10.83	10.36	9.95	9.60	9.25
360.0	14.10	13.46	12.82	12.29	11.65	11.12	10.71	10.24	9.83

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.42	9.13	8.78	8.54	8.25	7.90	7.67	7.43	7.14
45.0	9.31	8.90	8.60	8.25	8.02	7.78	7.49	7.26	7.02
90.0	9.19	8.78	8.49	8.25	7.96	7.67	7.43	7.14	6.96
135.0	9.13	8.84	8.43	8.19	7.96	7.67	7.43	7.14	6.91
180.0	8.37	8.08	7.84	7.55	7.32	7.08	6.85	6.67	6.44
225.0	8.60	8.31	8.02	7.78	7.49	7.20	6.96	6.67	6.50
270.0	8.84	8.54	8.25	7.96	7.72	7.43	7.20	6.96	6.73
315.0	8.90	8.54	8.31	7.90	7.72	7.43	7.20	6.96	6.73
360.0	9.42	9.13	8.78	8.54	8.25	7.90	7.67	7.43	7.14

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.91	6.67	6.44	6.20	5.97	5.74	5.56	5.33	5.09
45.0	6.79	6.61	6.32	6.20	5.97	5.79	5.56	5.38	5.15
90.0	6.67	6.44	6.20	6.03	5.85	5.62	5.38	5.21	4.97
135.0	6.67	6.50	6.26	6.03	5.85	5.68	5.44	5.21	5.03
180.0	6.26	6.03	5.85	5.68	5.44	5.27	5.03	4.86	4.68
225.0	6.26	6.03	5.85	5.68	5.44	5.21	5.03	4.86	4.74
270.0	6.44	6.26	6.09	5.85	5.62	5.44	5.27	5.03	4.86
315.0	6.50	6.32	6.09	5.85	5.68	5.44	5.27	4.97	4.86
360.0	6.91	6.67	6.44	6.20	5.97	5.74	5.56	5.33	5.09

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.92	4.74	4.56	4.45	4.33	4.10	3.98	3.92	3.80
45.0	4.97	4.80	4.56	4.45	4.27	4.16	4.04	3.98	3.86
90.0	4.80	4.62	4.51	4.33	4.21	4.04	3.98	3.86	3.80
135.0	4.86	4.68	4.45	4.33	4.16	4.04	3.98	3.86	3.75
180.0	4.56	4.39	4.27	4.10	4.04	3.92	3.80	3.69	3.63
225.0	4.51	4.39	4.21	4.16	3.98	3.92	3.75	3.69	3.69
270.0	4.74	4.51	4.39	4.27	4.16	3.98	3.92	3.80	3.69
315.0	4.68	4.56	4.39	4.27	4.10	3.98	3.86	3.80	3.69
360.0	4.92	4.74	4.56	4.45	4.33	4.10	3.98	3.92	3.80

Intensity data(cd)

C/γ(°)	90.0
0.0	3.75
45.0	3.80
90.0	3.69
135.0	3.69
180.0	3.63
225.0	3.69
270.0	3.75
315.0	3.75
360.0	3.75