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Nata

Client: NT
LumCAT: 1-1587-L & 92.70.397.00
Luminaire: 92.70.410.00LED HOLDER
Report No: 20250110-B017
Ballast type: AC

Test No: 20250110-C017	Voltage(V): 35.070
LampCAT: LUXEON CoB 1203 LES9	Current(A): 0.300
Lamp flux(lm): 1274.0	Power (W): 10.521
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 33

Photometric Results

Lumens(lm): 1171.69, Efficiency(%): 91.97% , Luminous Efficacy(lm/W): 111.37
Central intensity(cd): 1773.875, Maximum intensity(cd): 1773.875
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=50.8
[C90/270]Total=50.8
Field angle(10%Imax): [C0/180]Total=70.6
[C90/270]Total=70.6
Maximum s/h(1/2): C0_180=0.81 C90_270=0.81
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.97%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.972%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1773.875	0.000	0	0.00%	0.00%
1.0	1771.900	1.697	1.697	0.13%	0.14%
2.0	1766.268	5.078	6.775	0.40%	0.58%
3.0	1760.854	8.436	15.211	0.66%	1.30%
4.0	1756.977	11.775	26.986	0.92%	2.30%
5.0	1748.345	15.080	42.066	1.18%	3.59%
6.0	1736.787	18.315	60.381	1.44%	5.15%
7.0	1718.133	21.445	81.826	1.68%	6.98%
8.0	1698.235	24.450	106.276	1.92%	9.07%
9.0	1677.972	27.362	133.638	2.15%	11.41%
10.0	1656.830	30.179	163.817	2.37%	13.98%
11.0	1630.569	32.848	196.665	2.58%	16.78%
12.0	1599.552	35.310	231.975	2.77%	19.80%
13.0	1563.633	37.539	269.514	2.95%	23.00%
14.0	1524.935	39.533	309.047	3.10%	26.38%
15.0	1485.213	41.325	350.372	3.24%	29.90%
16.0	1445.857	42.948	393.32	3.37%	33.57%
17.0	1392.967	44.208	437.528	3.47%	37.34%
18.0	1347.173	45.179	482.707	3.55%	41.20%
19.0	1273.486	45.594	528.301	3.58%	45.09%
20.0	1218.343	45.607	573.909	3.58%	48.98%
21.0	1182.016	46.092	620	3.62%	52.91%
22.0	1123.669	46.334	666.334	3.64%	56.87%
23.0	1058.145	45.780	712.115	3.59%	60.78%
24.0	990.340	44.787	756.902	3.52%	64.60%
25.0	919.110	43.417	800.318	3.41%	68.30%
26.0	843.419	41.605	841.923	3.27%	71.86%
27.0	763.199	39.306	881.229	3.09%	75.21%
28.0	683.097	36.617	917.847	2.87%	78.34%
29.0	599.921	33.567	951.414	2.63%	81.20%
30.0	503.835	29.801	981.215	2.34%	83.74%
31.0	424.639	25.838	1007.053	2.03%	85.95%
32.0	351.610	22.239	1029.292	1.75%	87.85%
33.0	284.471	18.739	1048.031	1.47%	89.45%
34.0	240.776	15.896	1063.927	1.25%	90.80%
35.0	198.794	13.651	1077.578	1.07%	91.97%
36.0	137.104	10.695	1088.273	0.84%	92.88%
37.0	106.328	7.939	1096.212	0.62%	93.56%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	83.256	6.328	1102.54	0.50%	94.10%
39.0	66.899	5.125	1107.666	0.40%	94.54%
40.0	55.245	4.260	1111.926	0.33%	94.90%
41.0	46.233	3.614	1115.539	0.28%	95.21%
42.0	40.198	3.140	1118.679	0.25%	95.48%
43.0	34.931	2.783	1121.462	0.22%	95.71%
44.0	31.251	2.498	1123.96	0.20%	95.93%
45.0	28.113	2.281	1126.242	0.18%	96.12%
46.0	25.457	2.095	1128.337	0.16%	96.30%
47.0	23.182	1.935	1130.271	0.15%	96.46%
48.0	21.383	1.802	1132.073	0.14%	96.62%
49.0	19.905	1.695	1133.768	0.13%	96.76%
50.0	18.442	1.599	1135.367	0.13%	96.90%
51.0	17.213	1.509	1136.876	0.12%	97.03%
52.0	16.240	1.435	1138.311	0.11%	97.15%
53.0	15.362	1.375	1139.686	0.11%	97.27%
54.0	14.506	1.316	1141.002	0.10%	97.38%
55.0	13.731	1.260	1142.263	0.10%	97.49%
56.0	13.080	1.211	1143.474	0.10%	97.59%
57.0	12.487	1.169	1144.643	0.09%	97.69%
58.0	11.961	1.131	1145.774	0.09%	97.79%
59.0	11.478	1.096	1146.869	0.09%	97.88%
60.0	11.068	1.065	1147.935	0.08%	97.97%
61.0	10.739	1.041	1148.975	0.08%	98.06%
62.0	10.439	1.020	1149.996	0.08%	98.15%
63.0	10.117	1.000	1150.995	0.08%	98.23%
64.0	9.854	0.980	1151.975	0.08%	98.32%
65.0	9.612	0.963	1152.939	0.08%	98.40%
66.0	9.378	0.948	1153.886	0.07%	98.48%
67.0	9.093	0.929	1154.815	0.07%	98.56%
68.0	8.873	0.910	1155.725	0.07%	98.64%
69.0	8.683	0.896	1156.621	0.07%	98.71%
70.0	8.457	0.880	1157.501	0.07%	98.79%
71.0	8.252	0.864	1158.365	0.07%	98.86%
72.0	8.040	0.847	1159.212	0.07%	98.93%
73.0	7.842	0.830	1160.042	0.07%	99.01%
74.0	7.630	0.813	1160.856	0.06%	99.08%
75.0	7.454	0.797	1161.653	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.235	0.780	1162.432	0.06%	99.21%
77.0	7.067	0.762	1163.195	0.06%	99.27%
78.0	6.891	0.747	1163.942	0.06%	99.34%
79.0	6.708	0.731	1164.673	0.06%	99.40%
80.0	6.525	0.713	1165.386	0.06%	99.46%
81.0	6.372	0.697	1166.084	0.05%	99.52%
82.0	6.218	0.683	1166.766	0.05%	99.58%
83.0	6.057	0.667	1167.434	0.05%	99.64%
84.0	5.903	0.652	1168.085	0.05%	99.69%
85.0	5.757	0.636	1168.722	0.05%	99.75%
86.0	5.596	0.621	1169.342	0.05%	99.80%
87.0	5.472	0.606	1169.948	0.05%	99.85%
88.0	5.347	0.593	1170.541	0.05%	99.90%
89.0	5.245	0.581	1171.121	0.05%	99.95%
90.0	5.179	0.572	1171.693	0.04%	100.00%

Zonal flux distribution table

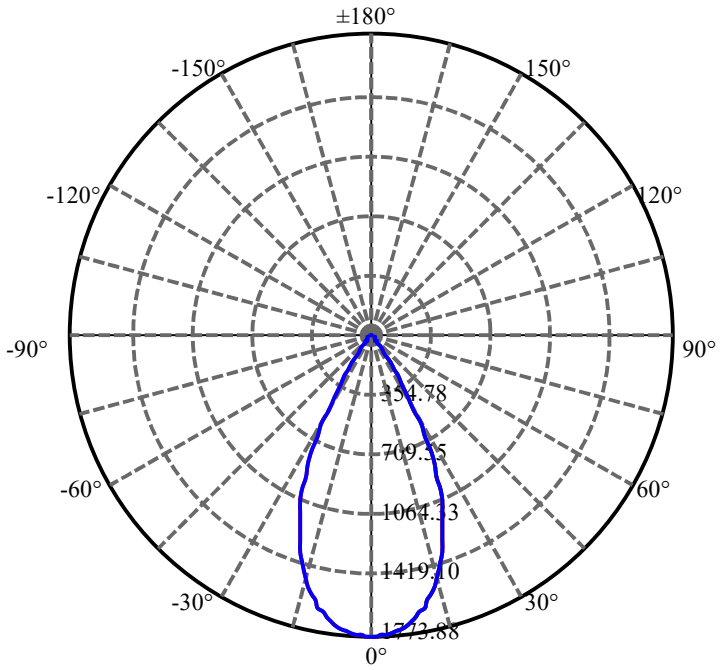
ZONAL LUMEN SUMMARY

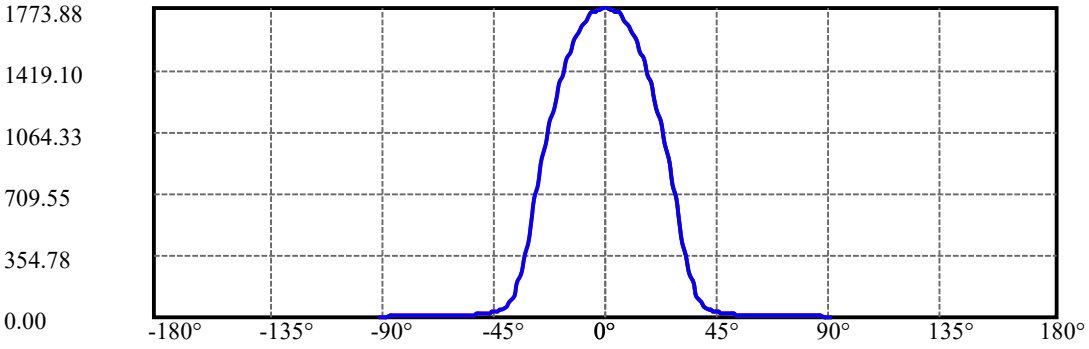
Zone	Lumens	%Lamp	%Fixt
0-30	981.22	77.02%	83.74%
0-40	1111.93	87.28%	94.90%
0-60	1147.93	90.10%	97.97%
0-90	1171.12	91.92%	99.95%
0-120	1171.12	91.92%	99.95%
0-180	1171.69	91.97%	100.00%
60-90	23.19	1.82%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.58	937.35	73.58%	80.00%

ZONAL LUMEN SUMMARY

0-10	163.82
10-20	410.09
20-30	407.31
30-40	130.71
40-50	23.44
50-60	12.57
60-70	9.57
70-80	7.89
80-90	5.74
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):

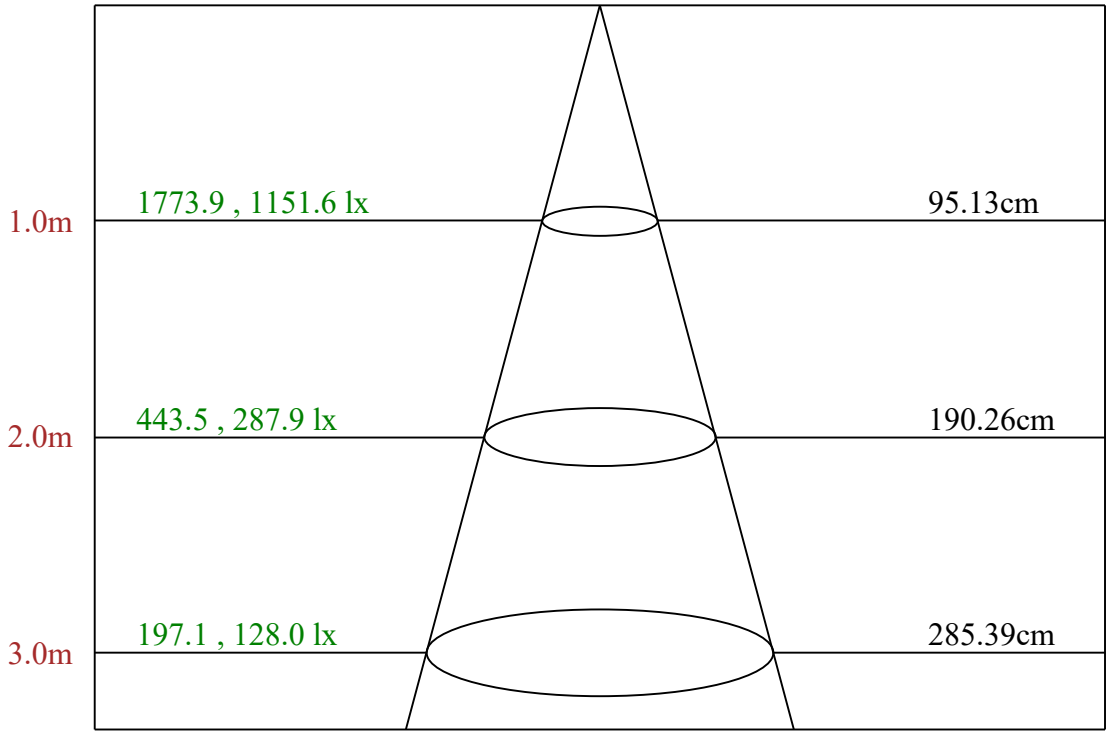
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:35.3 Right:35.3
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:25.4 Right:25.4
:C90/270Left:25.4 Right:25.4

Lux distance Curve



Max , Ave

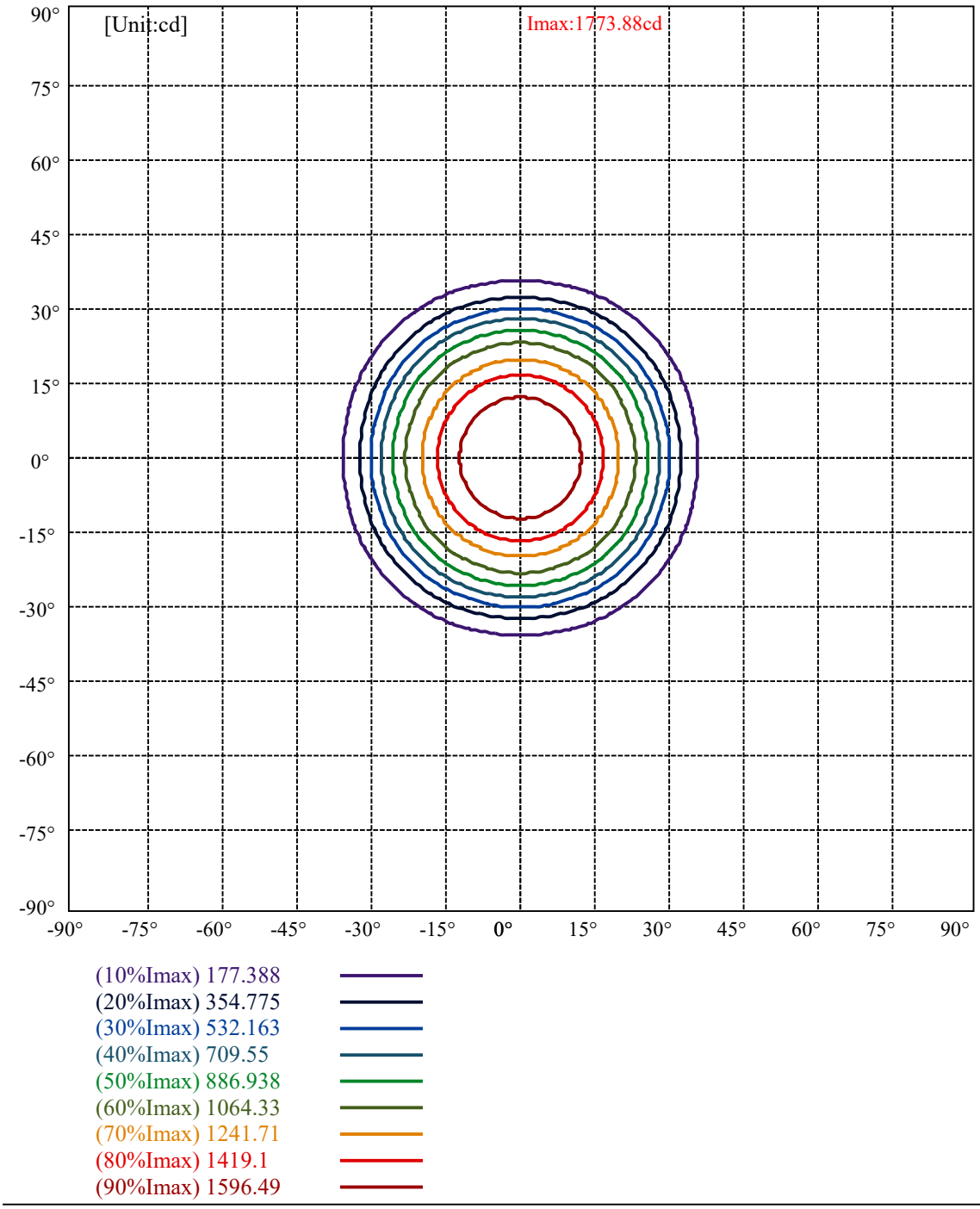
Beam angle of C0 plane 50.88

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/01/10
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO-Intensity(V-H)



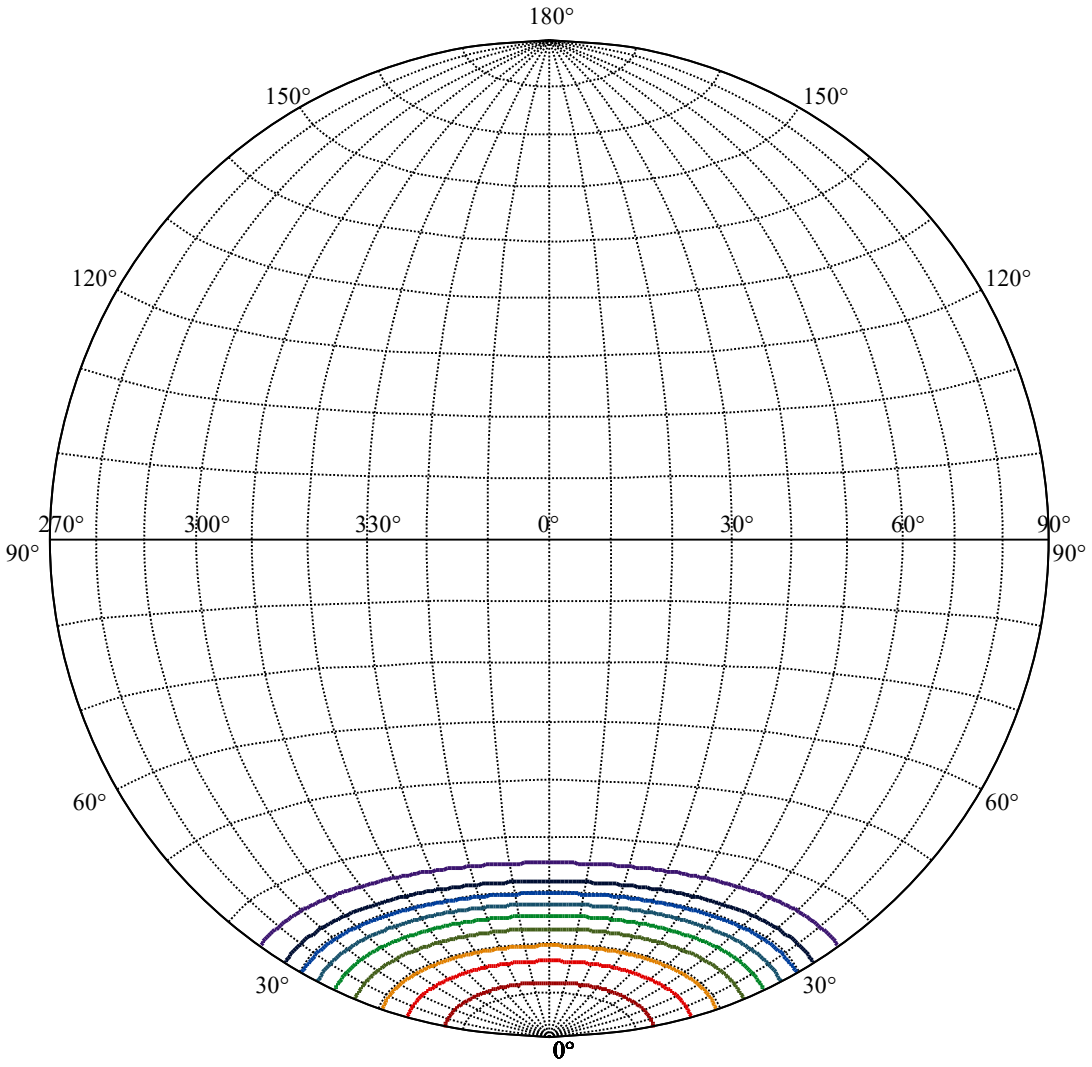
(10%Imax) 177.388
(20%Imax) 354.775
(30%Imax) 532.163
(40%Imax) 709.55
(50%Imax) 886.938
(60%Imax) 1064.33
(70%Imax) 1241.71
(80%Imax) 1419.1
(90%Imax) 1596.49

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/01/10
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

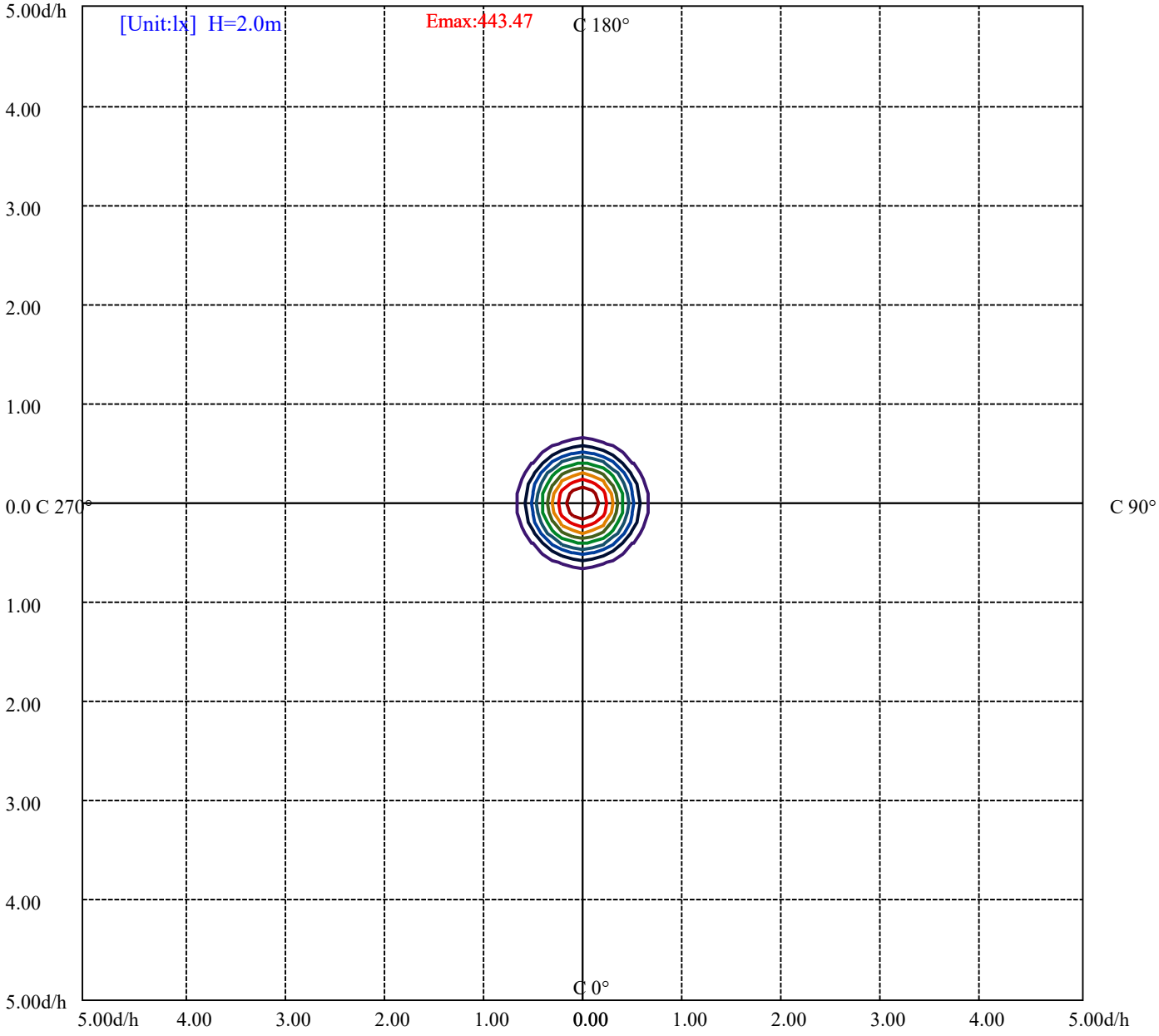


House [Unit:cd] Road

Imax:1773.88

(10%Imax) 177.388
(20%Imax) 354.775
(30%Imax) 532.163
(40%Imax) 709.55
(50%Imax) 886.938
(60%Imax) 1064.33
(70%Imax) 1241.71
(80%Imax) 1419.1
(90%Imax) 1596.49

ISO illuminance diagram



(10%Emax) 44.347
(20%Emax) 88.69375
(30%Emax) 133.0408
(40%Emax) 177.3875
(50%Emax) 221.7345
(60%Emax) 266.0825
(70%Emax) 310.4275
(80%Emax) 354.775
(90%Emax) 399.1225

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/01/10
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

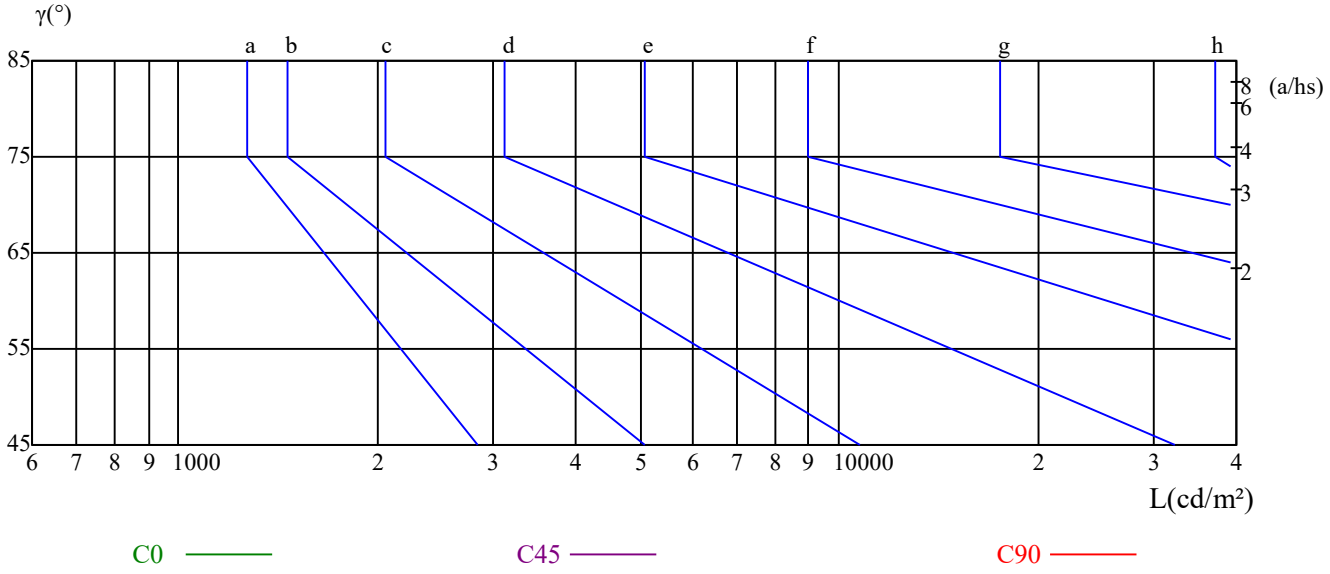
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

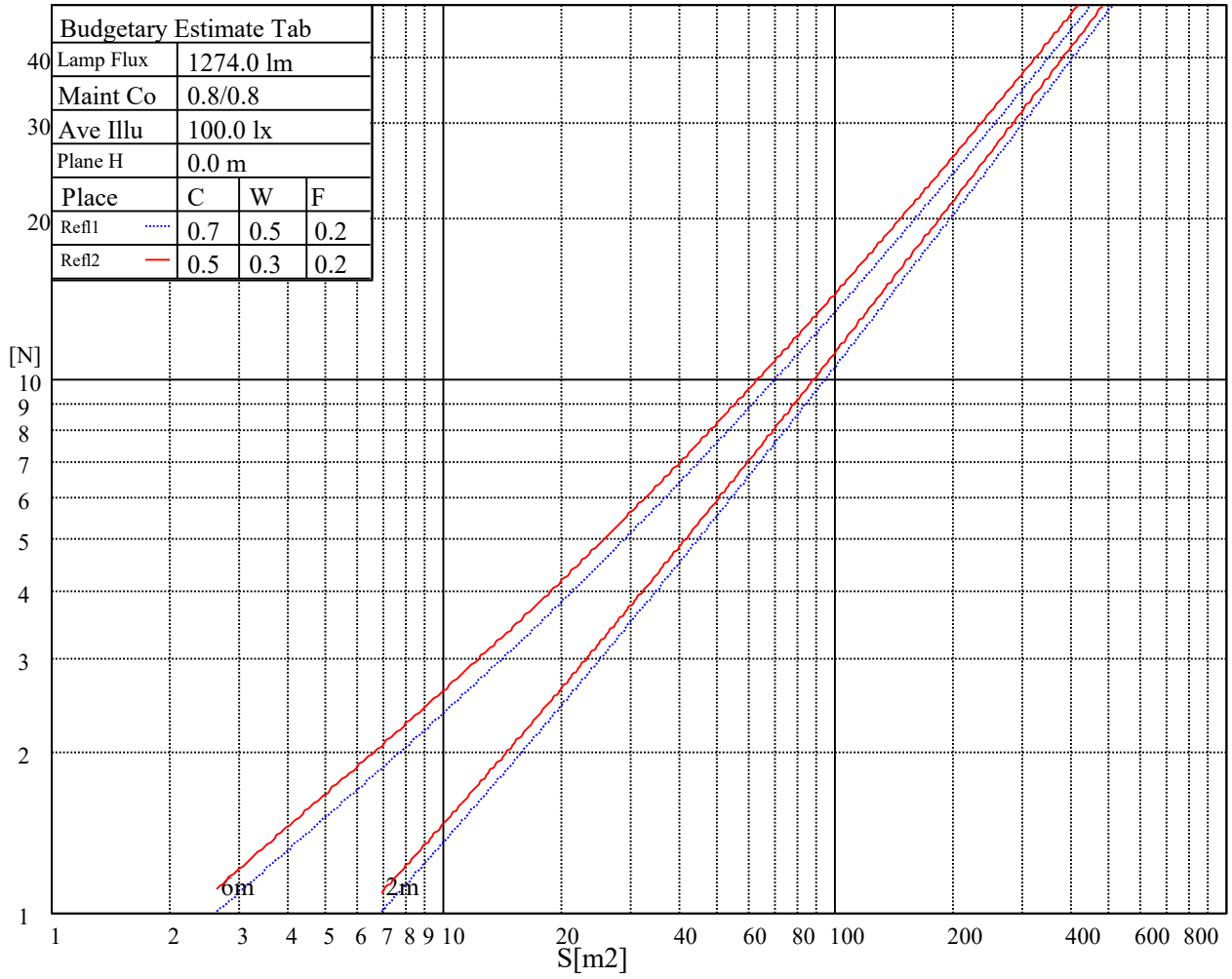


UGR Glare

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: 2025/01/10 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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.90	0.90	0.89	0.88	0.86
2	0.95	0.92	0.89	0.94	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.86	0.84	0.82	0.81
3	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.76
4	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.72
5	0.80	0.75	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.71	0.69	0.68
6	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.64
7	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
8	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.52

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	1764.51	1761.00	1764.51	1762.17	1755.73	1743.44	1732.32	1714.77	1697.80
45.0	1782.65	1777.39	1766.85	1768.02	1770.36	1761.59	1749.88	1732.32	1717.69
90.0	1777.97	1768.61	1765.68	1768.02	1761.00	1751.64	1731.74	1713.01	1693.70
135.0	1770.36	1777.39	1770.95	1762.17	1761.00	1762.17	1758.07	1742.27	1722.38
180.0	1764.51	1782.07	1776.80	1763.34	1756.90	1752.81	1738.76	1715.94	1701.31
225.0	1782.65	1776.80	1762.76	1748.71	1748.71	1731.74	1717.69	1690.77	1662.10
270.0	1777.97	1775.63	1768.61	1757.49	1750.47	1742.86	1732.32	1720.62	1703.65
315.0	1770.36	1756.32	1753.98	1756.90	1751.64	1740.52	1733.49	1715.35	1687.26
360.0	1764.51	1761.00	1764.51	1762.17	1755.73	1743.44	1732.32	1714.77	1697.80

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1679.07	1657.42	1629.91	1596.55	1544.47	1505.26	1466.63	1427.42	1372.41
45.0	1706.57	1697.21	1675.56	1649.22	1612.94	1579.58	1545.05	1500.58	1443.22
90.0	1685.51	1662.10	1639.27	1612.35	1583.68	1534.52	1491.21	1447.91	1388.80
135.0	1692.53	1679.07	1652.15	1625.23	1594.80	1551.49	1511.69	1473.66	1422.16
180.0	1678.48	1653.32	1628.74	1602.40	1565.54	1529.25	1495.31	1461.95	1418.06
225.0	1631.67	1607.09	1581.92	1547.98	1520.47	1488.29	1443.22	1406.94	1354.27
270.0	1682.00	1657.42	1630.50	1591.87	1563.78	1525.15	1484.77	1444.39	1392.31
315.0	1667.95	1641.03	1606.50	1570.80	1523.40	1485.94	1443.81	1404.01	1352.51
360.0	1679.07	1657.42	1629.91	1596.55	1544.47	1505.26	1466.63	1427.42	1372.41

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1319.74	1163.49	1163.49	1132.59	1068.04	997.52	906.34	834.12	759.86
45.0	1393.48	1327.35	1275.26	1220.25	1141.25	1076.87	1016.01	928.23	856.83
90.0	1337.30	1291.06	1160.62	1160.62	1099.70	1015.07	945.90	876.84	788.94
135.0	1385.29	1339.05	1288.72	1231.96	1182.21	1109.06	1046.44	983.24	904.23
180.0	1374.17	1332.03	1285.21	1231.37	1181.63	1126.03	1058.15	1003.13	928.23
225.0	1312.72	1269.41	1156.52	1156.52	1107.71	1052.23	990.49	927.29	842.84
270.0	1349.00	1308.04	1259.46	1193.92	1140.66	1085.65	1023.03	951.05	889.60
315.0	1305.70	1157.46	1157.46	1128.90	1068.15	1002.72	936.36	848.99	776.83
360.0	1319.74	1163.49	1163.49	1132.59	1068.04	997.52	906.34	834.12	759.86

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	656.27	573.58	491.88	396.31	328.60	270.14	206.41	163.92	128.69
45.0	779.58	698.23	615.13	514.47	435.47	361.73	297.94	297.94	179.61
90.0	710.70	629.47	548.59	445.71	368.87	302.62	245.33	183.23	142.39
135.0	838.10	763.19	684.19	588.21	509.79	431.95	359.97	299.11	299.11
180.0	858.00	788.36	713.45	610.45	529.10	446.59	369.92	304.96	304.96
225.0	770.98	695.95	593.18	510.37	430.26	339.96	278.16	214.02	171.35
270.0	816.45	723.40	644.98	558.36	458.87	385.72	296.18	296.18	232.16
315.0	675.53	592.60	507.98	406.79	336.15	274.18	221.86	166.85	132.09
360.0	656.27	573.58	491.88	396.31	328.60	270.14	206.41	163.92	128.69

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	101.54	77.19	63.20	53.20	45.88	39.09	34.82	30.49	27.74
45.0	132.20	103.12	76.78	61.92	51.32	43.54	36.69	32.36	28.91
90.0	104.05	82.17	65.60	51.62	44.18	38.57	34.06	29.50	26.74
135.0	181.07	134.25	105.46	83.10	63.61	53.02	45.41	38.33	33.88
180.0	187.62	149.88	112.89	90.59	73.50	58.52	50.39	42.90	38.33
225.0	135.54	107.45	86.15	66.42	55.48	47.52	41.49	35.64	31.89
270.0	149.58	111.95	89.60	72.57	60.04	48.98	42.55	37.81	33.77
315.0	105.22	84.62	66.36	55.77	47.93	40.61	36.17	32.42	28.73
360.0	101.54	77.19	63.20	53.20	45.88	39.09	34.82	30.49	27.74

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	25.28	22.88	21.24	19.90	18.79	17.62	16.74	15.98	15.33
45.0	26.16	23.23	21.30	19.55	18.20	16.74	15.74	14.75	14.05
90.0	24.40	22.41	20.31	18.79	17.62	16.33	15.51	14.69	13.81
135.0	30.37	26.74	24.40	22.41	20.72	18.84	17.62	16.56	15.57
180.0	34.65	31.60	28.62	26.57	24.70	23.06	21.19	19.96	18.79
225.0	28.15	25.63	23.58	21.36	19.78	18.43	16.97	15.98	15.10
270.0	29.61	26.98	24.11	22.18	20.48	18.73	17.50	16.50	15.51
315.0	26.28	24.17	21.89	20.31	18.96	17.79	16.44	15.51	14.75
360.0	25.28	22.88	21.24	19.90	18.79	17.62	16.74	15.98	15.33

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.57	14.05	13.58	12.99	12.52	12.00	11.53	11.18	10.83
45.0	13.46	12.76	12.29	11.88	11.41	11.06	10.77	10.48	10.24
90.0	13.17	12.41	11.88	11.47	11.06	10.77	10.42	10.12	9.95
135.0	14.63	13.87	13.11	12.52	12.06	11.53	11.12	10.83	10.48
180.0	17.50	16.56	15.63	14.63	13.93	13.11	12.58	12.11	11.70
225.0	14.34	13.40	12.70	12.11	11.59	11.12	10.71	10.48	10.12
270.0	14.46	13.75	13.05	12.41	11.76	11.29	10.89	10.48	10.24
315.0	13.93	13.05	12.41	11.88	11.35	10.94	10.53	10.24	9.95
360.0	14.57	14.05	13.58	12.99	12.52	12.00	11.53	11.18	10.83

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.42	10.18	9.95	9.66	9.31	9.07	8.90	8.60	8.37
45.0	9.95	9.66	9.48	9.19	9.01	8.78	8.60	8.37	8.13
90.0	9.71	9.48	9.25	9.07	8.78	8.60	8.37	8.19	8.02
135.0	10.12	9.89	9.66	9.42	9.19	8.95	8.78	8.49	8.31
180.0	11.29	10.94	10.65	10.36	10.01	9.71	9.48	9.25	9.01
225.0	9.83	9.54	9.31	9.13	8.84	8.66	8.49	8.31	8.13
270.0	9.95	9.71	9.42	9.25	8.90	8.72	8.54	8.31	8.08
315.0	9.66	9.42	9.19	8.95	8.72	8.49	8.31	8.13	7.96
360.0	10.42	10.18	9.95	9.66	9.31	9.07	8.90	8.60	8.37

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.13	7.90	7.61	7.49	7.20	7.02	6.85	6.61	6.50
45.0	7.96	7.78	7.61	7.37	7.20	7.02	6.85	6.67	6.50
90.0	7.78	7.61	7.43	7.26	7.08	6.91	6.73	6.55	6.38
135.0	8.13	7.96	7.72	7.55	7.32	7.20	7.02	6.85	6.61
180.0	8.78	8.54	8.31	8.13	7.90	7.67	7.55	7.37	7.14
225.0	7.90	7.72	7.55	7.37	7.14	6.96	6.79	6.61	6.50
270.0	7.90	7.72	7.55	7.37	7.14	7.02	6.79	6.61	6.38
315.0	7.72	7.49	7.26	7.08	6.91	6.73	6.55	6.38	6.20
360.0	8.13	7.90	7.61	7.49	7.20	7.02	6.85	6.61	6.50

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.32	6.14	5.97	5.79	5.68	5.50	5.38	5.21	5.15
45.0	6.32	6.14	5.97	5.79	5.68	5.50	5.38	5.27	5.09
90.0	6.20	6.09	5.91	5.79	5.62	5.44	5.33	5.27	5.15
135.0	6.50	6.32	6.14	5.97	5.79	5.68	5.50	5.38	5.33
180.0	6.96	6.79	6.67	6.50	6.32	6.14	6.03	5.79	5.68
225.0	6.32	6.20	6.03	5.91	5.79	5.62	5.50	5.38	5.27
270.0	6.26	6.14	5.97	5.85	5.68	5.50	5.38	5.33	5.21
315.0	6.09	5.91	5.79	5.62	5.50	5.38	5.27	5.15	5.09
360.0	6.32	6.14	5.97	5.79	5.68	5.50	5.38	5.21	5.15

Intensity data(cd)

C/γ(°)	90.0
0.0	5.15
45.0	5.09
90.0	5.15
135.0	5.21
180.0	5.50
225.0	5.15
270.0	5.09
315.0	5.09
360.0	5.15