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Nata

Client: NT
LumCAT: 1-1586-L & 92.70.364.00
Luminaire: 92.70.410.00LED HOLDER
Report No: 20250110-B014
Ballast type: AC

Test No: 20250110-C014	Voltage(V): 35.080
LampCAT: LUXEON CoB 1203 LES9	Current(A): 0.300
Lamp flux(lm): 1274.0	Power (W): 10.524
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 33

Photometric Results

Lumens(lm): 1211.46, Efficiency(%): 95.09% , Luminous Efficacy(lm/W): 115.11
Central intensity(cd): 2334.375, Maximum intensity(cd): 2334.375
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=42.4
[C90/270]Total=42.4
Field angle(10%Imax): [C0/180]Total=65.8
[C90/270]Total=65.8
Maximum s/h(1/2): C0_180=0.68 C90_270=0.68
Maximum s/h(1/4): C0_180=0.67 C90_270=0.67
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.09%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.000%

Equipment: GMS1980	Date: 2025/01/10	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	2334.375	0.000	0	0.00%	0.00%
1.0	2327.645	2.231	2.231	0.18%	0.18%
2.0	2318.062	6.668	8.899	0.52%	0.73%
3.0	2302.187	11.050	19.949	0.87%	1.65%
4.0	2281.485	15.343	35.292	1.20%	2.91%
5.0	2256.028	19.520	54.812	1.53%	4.52%
6.0	2230.424	23.577	78.389	1.85%	6.47%
7.0	2197.871	27.486	105.876	2.16%	8.74%
8.0	2160.636	31.193	137.069	2.45%	11.31%
9.0	2120.548	34.697	171.765	2.72%	14.18%
10.0	2075.852	37.976	209.741	2.98%	17.31%
11.0	2027.497	41.001	250.742	3.22%	20.70%
12.0	1974.900	43.752	294.494	3.43%	24.31%
13.0	1907.307	46.072	340.566	3.62%	28.11%
14.0	1833.788	47.886	388.452	3.76%	32.06%
15.0	1762.610	49.373	437.825	3.88%	36.14%
16.0	1679.435	50.436	488.26	3.96%	40.30%
17.0	1584.848	50.834	539.094	3.99%	44.50%
18.0	1468.169	50.338	589.432	3.95%	48.65%
19.0	1356.061	49.136	638.568	3.86%	52.71%
20.0	1282.279	48.289	686.856	3.79%	56.70%
21.0	1181.408	47.308	734.164	3.71%	60.60%
22.0	1097.926	45.804	779.968	3.60%	64.38%
23.0	994.224	43.899	823.867	3.45%	68.01%
24.0	906.448	41.556	865.423	3.26%	71.44%
25.0	811.539	39.063	904.486	3.07%	74.66%
26.0	721.765	36.194	940.68	2.84%	77.65%
27.0	641.809	33.360	974.04	2.62%	80.40%
28.0	561.004	30.453	1004.493	2.39%	82.92%
29.0	485.547	27.381	1031.874	2.15%	85.18%
30.0	400.535	23.924	1055.798	1.88%	87.15%
31.0	338.355	20.562	1076.36	1.61%	88.85%
32.0	284.639	17.848	1094.208	1.40%	90.32%
33.0	225.794	15.038	1109.245	1.18%	91.56%
34.0	196.438	12.778	1122.023	1.00%	92.62%
35.0	131.866	10.196	1132.219	0.80%	93.46%
36.0	96.145	7.260	1139.479	0.57%	94.06%
37.0	71.719	5.475	1144.954	0.43%	94.51%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	55.948	4.261	1149.215	0.33%	94.86%
39.0	46.372	3.492	1152.708	0.27%	95.15%
40.0	39.583	2.998	1155.706	0.24%	95.40%
41.0	34.397	2.634	1158.34	0.21%	95.62%
42.0	30.505	2.358	1160.698	0.19%	95.81%
43.0	27.520	2.149	1162.847	0.17%	95.99%
44.0	25.223	1.991	1164.838	0.16%	96.15%
45.0	23.241	1.863	1166.701	0.15%	96.31%
46.0	21.478	1.749	1168.449	0.14%	96.45%
47.0	20.059	1.652	1170.101	0.13%	96.59%
48.0	18.917	1.576	1171.677	0.12%	96.72%
49.0	17.908	1.512	1173.189	0.12%	96.84%
50.0	16.993	1.455	1174.644	0.11%	96.96%
51.0	16.211	1.405	1176.049	0.11%	97.08%
52.0	15.574	1.364	1177.413	0.11%	97.19%
53.0	14.989	1.330	1178.743	0.10%	97.30%
54.0	14.440	1.297	1180.04	0.10%	97.41%
55.0	13.943	1.267	1181.307	0.10%	97.51%
56.0	13.467	1.239	1182.545	0.10%	97.61%
57.0	13.036	1.212	1183.757	0.10%	97.71%
58.0	12.582	1.185	1184.942	0.09%	97.81%
59.0	12.173	1.157	1186.099	0.09%	97.91%
60.0	11.763	1.131	1187.23	0.09%	98.00%
61.0	11.346	1.103	1188.333	0.09%	98.09%
62.0	10.995	1.077	1189.409	0.08%	98.18%
63.0	10.556	1.048	1190.457	0.08%	98.27%
64.0	10.176	1.017	1191.475	0.08%	98.35%
65.0	9.817	0.989	1192.464	0.08%	98.43%
66.0	9.473	0.962	1193.427	0.08%	98.51%
67.0	9.086	0.933	1194.36	0.07%	98.59%
68.0	8.764	0.904	1195.264	0.07%	98.66%
69.0	8.530	0.882	1196.146	0.07%	98.74%
70.0	8.296	0.864	1197.01	0.07%	98.81%
71.0	8.120	0.848	1197.859	0.07%	98.88%
72.0	7.937	0.835	1198.694	0.07%	98.95%
73.0	7.776	0.822	1199.515	0.06%	99.01%
74.0	7.630	0.810	1200.325	0.06%	99.08%
75.0	7.454	0.797	1201.122	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.301	0.783	1201.906	0.06%	99.21%
77.0	7.162	0.771	1202.677	0.06%	99.27%
78.0	7.015	0.759	1203.436	0.06%	99.34%
79.0	6.862	0.746	1204.181	0.06%	99.40%
80.0	6.686	0.730	1204.912	0.06%	99.46%
81.0	6.562	0.716	1205.628	0.06%	99.52%
82.0	6.401	0.703	1206.331	0.06%	99.58%
83.0	6.277	0.689	1207.02	0.05%	99.63%
84.0	6.123	0.675	1207.696	0.05%	99.69%
85.0	6.006	0.662	1208.358	0.05%	99.74%
86.0	5.874	0.649	1209.007	0.05%	99.80%
87.0	5.721	0.635	1209.642	0.05%	99.85%
88.0	5.582	0.619	1210.261	0.05%	99.90%
89.0	5.457	0.605	1210.866	0.05%	99.95%
90.0	5.399	0.595	1211.461	0.05%	100.00%

Zonal flux distribution table

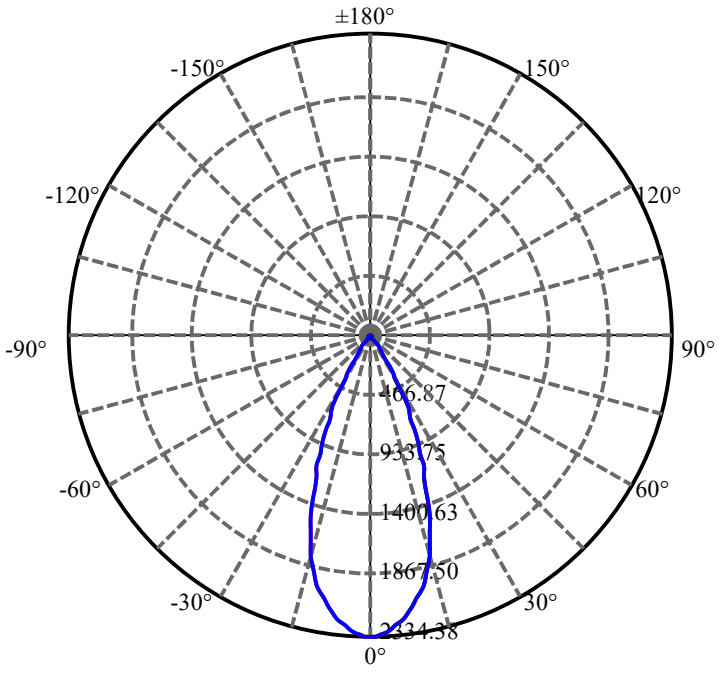
ZONAL LUMEN SUMMARY

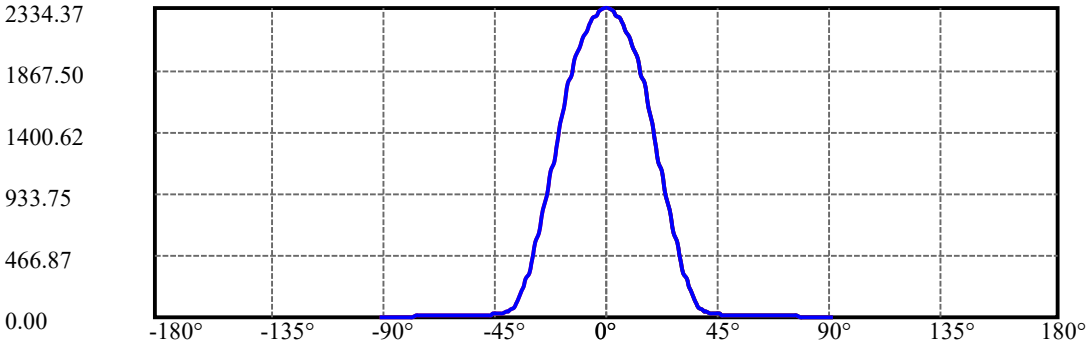
Zone	Lumens	%Lamp	%Fixt
0-30	1055.80	82.87%	87.15%
0-40	1155.71	90.71%	95.40%
0-60	1187.23	93.19%	98.00%
0-90	1210.87	95.04%	99.95%
0-120	1210.87	95.04%	99.95%
0-180	1211.46	95.09%	100.00%
60-90	23.64	1.86%	1.95%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.85	969.17	76.07%	80.00%

ZONAL LUMEN SUMMARY

0-10	209.74
10-20	477.12
20-30	368.94
30-40	99.91
40-50	18.94
50-60	12.59
60-70	9.78
70-80	7.90
80-90	5.95
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):

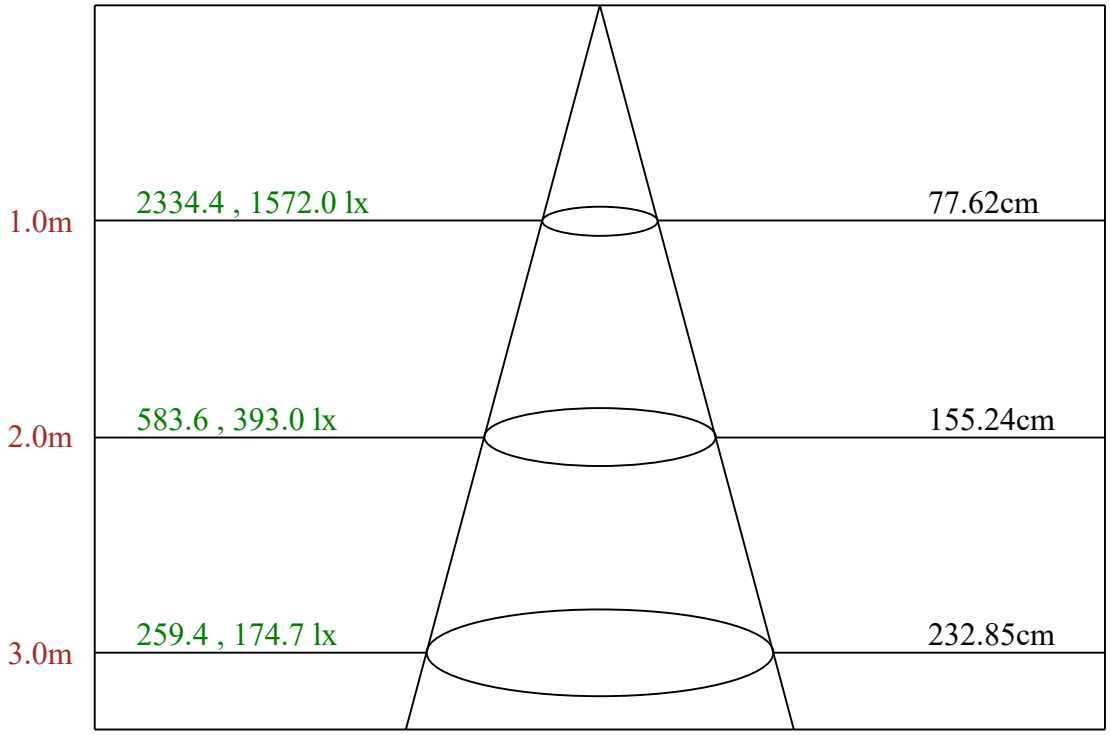
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.9 Right:32.9
:C90/270Left:32.9 Right:32.9

Beam Angle(50%Imax):C0/180Left:21.2 Right:21.2
:C90/270Left:21.2 Right:21.2

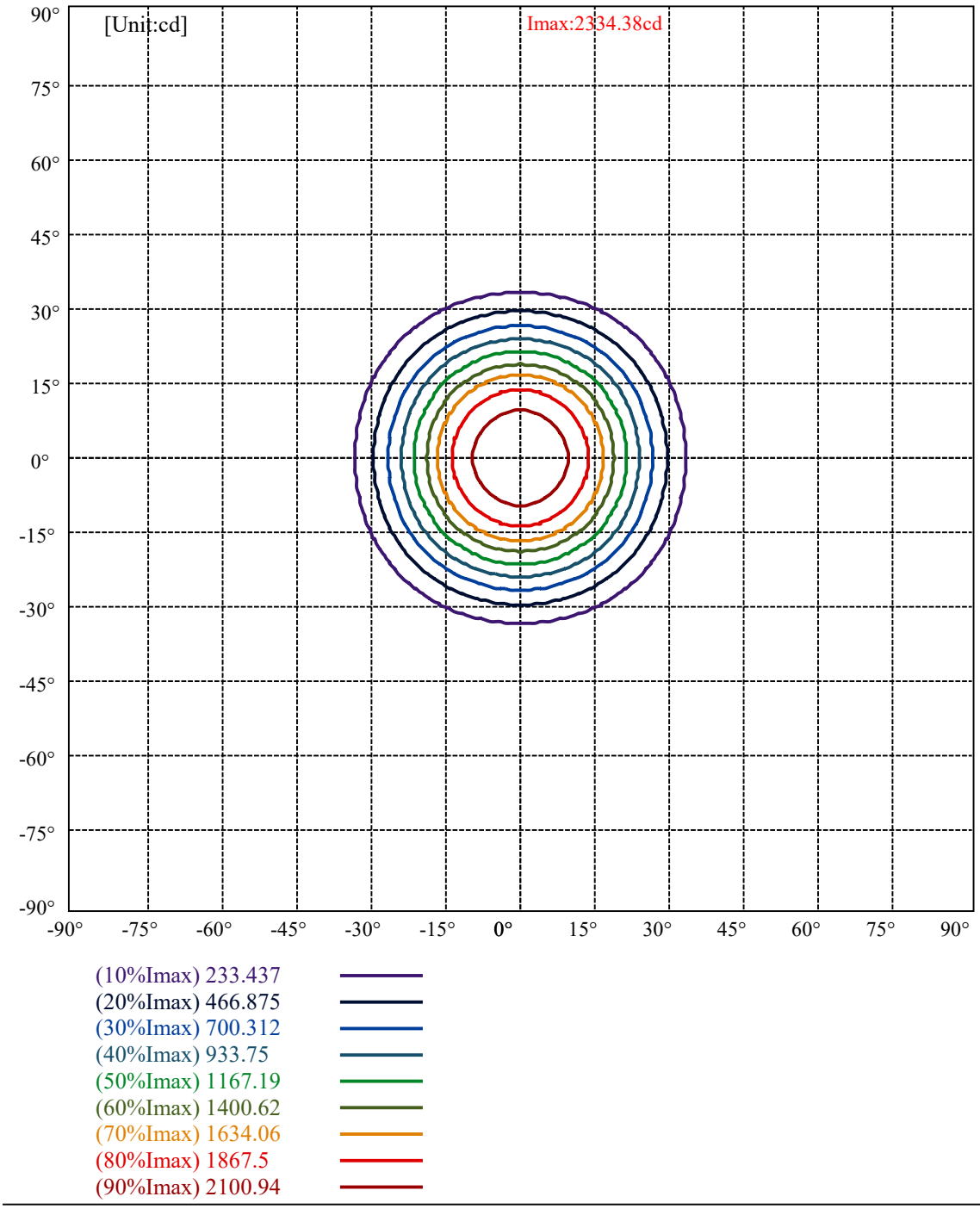
Lux distance Curve



Max , Ave

Beam angle of C0 plane 42.42

ISO-Intensity(V-H)



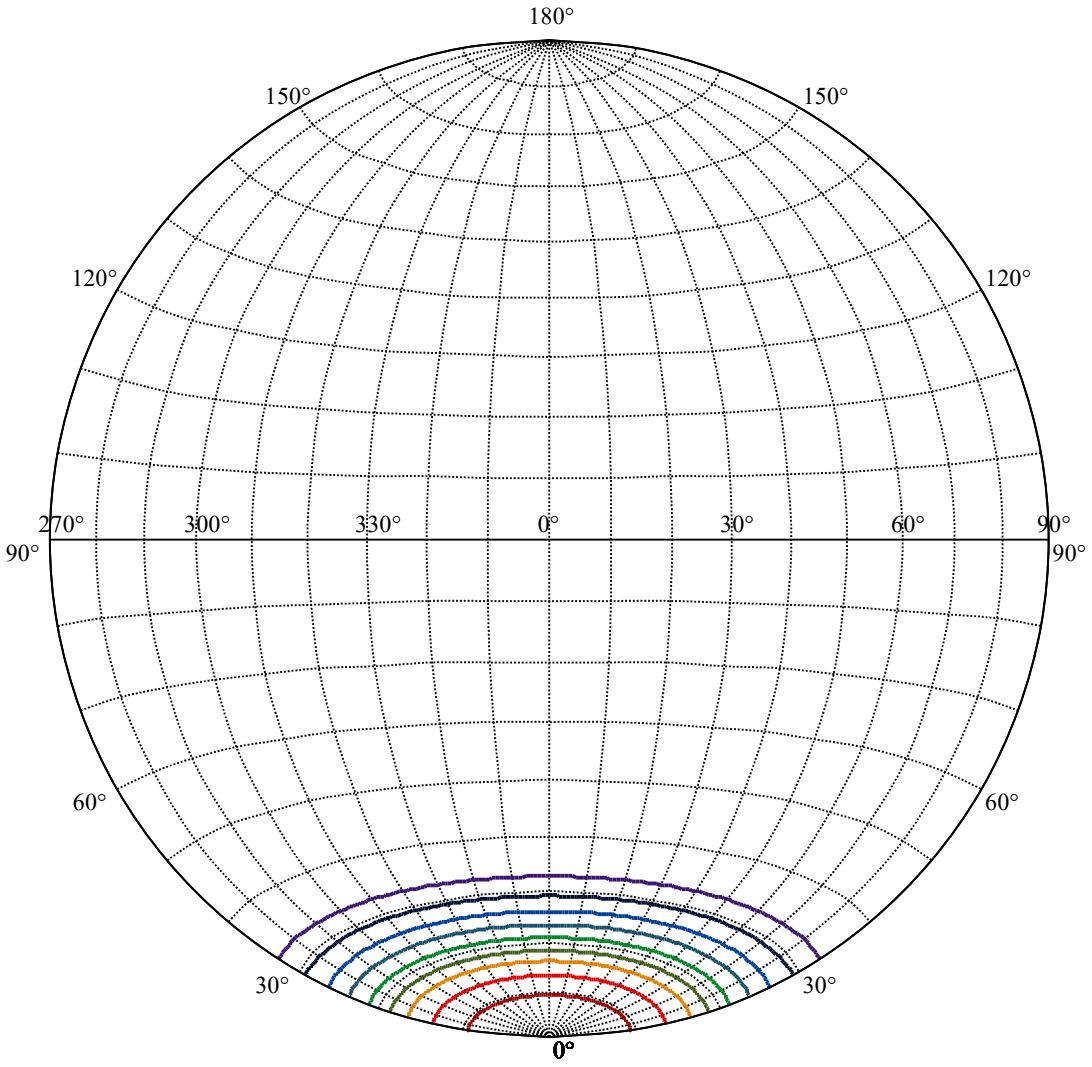
(10%Imax) 233.437
(20%Imax) 466.875
(30%Imax) 700.312
(40%Imax) 933.75
(50%Imax) 1167.19
(60%Imax) 1400.62
(70%Imax) 1634.06
(80%Imax) 1867.5
(90%Imax) 2100.94

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

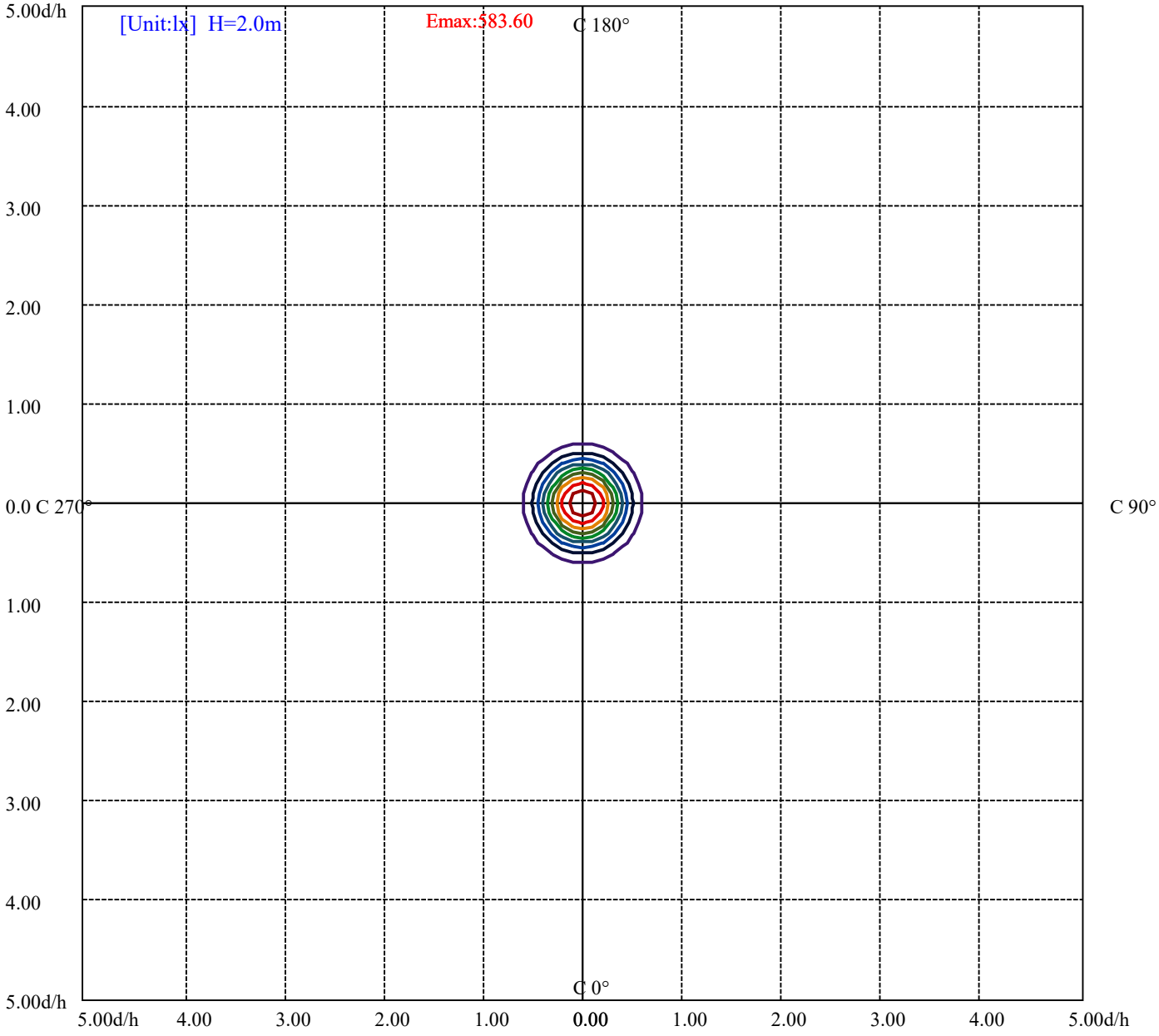


House [Unit:cd] Road

Imax:2334.38

(10%Imax) 233.437
(20%Imax) 466.875
(30%Imax) 700.312
(40%Imax) 933.75
(50%Imax) 1167.19
(60%Imax) 1400.62
(70%Imax) 1634.06
(80%Imax) 1867.5
(90%Imax) 2100.94

ISO illuminance diagram



(10%Emax) 58.35925
(20%Emax) 116.7188
(30%Emax) 175.078
(40%Emax) 233.4375
(50%Emax) 291.7975
(60%Emax) 350.155
(70%Emax) 408.515
(80%Emax) 466.875
(90%Emax) 525.235

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

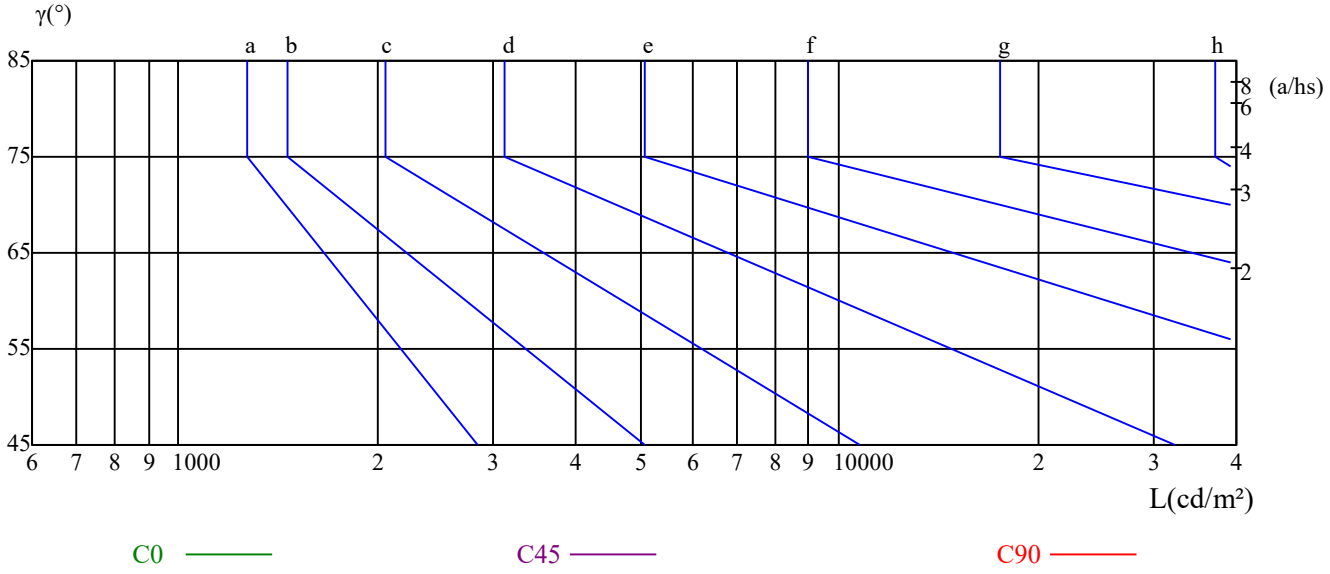
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

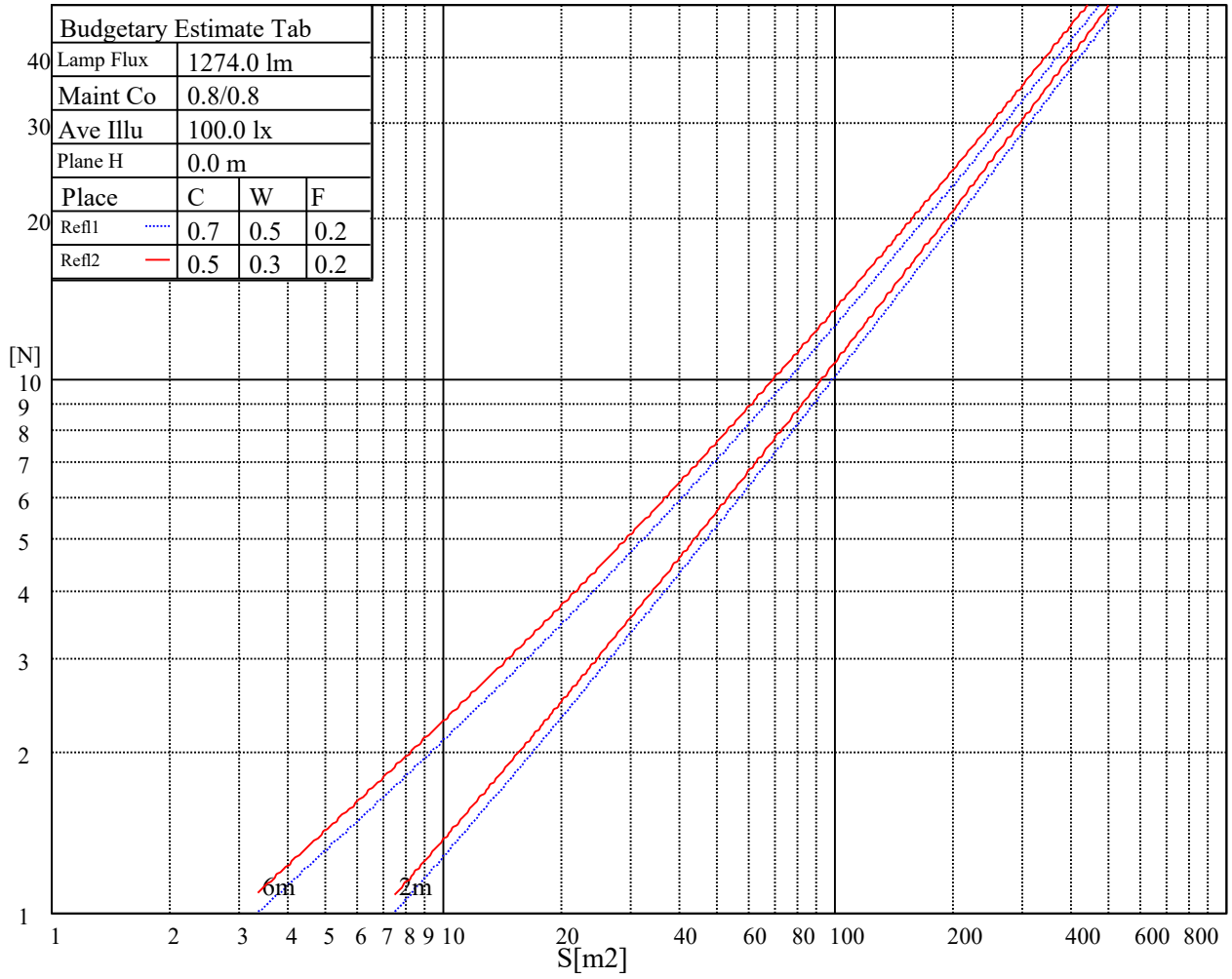


UGR Glare

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	1.13	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	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	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	0.74	0.70	0.67	0.73	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.63
9	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.60
10	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57

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	2331.59	2328.08	2325.74	2310.53	2287.70	2261.95	2234.45	2203.43	2168.90
45.0	2329.84	2343.88	2345.64	2355.00	2370.22	2367.29	2346.81	2311.11	2293.56
90.0	2348.57	2353.83	2360.27	2364.95	2369.63	2353.83	2332.77	2305.85	2278.34
135.0	2327.50	2345.64	2353.25	2345.06	2329.84	2325.16	2322.82	2310.53	2276.00
180.0	2331.59	2335.69	2325.74	2310.53	2274.24	2244.40	2228.01	2203.43	2159.54
225.0	2329.84	2295.90	2264.88	2225.67	2197.58	2151.35	2119.16	2077.02	2024.94
270.0	2348.57	2325.16	2289.46	2256.69	2216.89	2173.58	2129.11	2088.14	2039.57
315.0	2327.50	2292.97	2279.51	2249.08	2205.77	2170.66	2130.28	2083.46	2044.25
360.0	2331.59	2328.08	2325.74	2310.53	2287.70	2261.95	2234.45	2203.43	2168.90

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2116.82	2065.32	2009.72	1937.74	1851.13	1777.97	1700.14	1610.60	1488.87
45.0	2260.78	2220.99	2177.68	2126.77	2053.03	1984.56	1899.11	1816.01	1697.21
90.0	2252.00	2214.55	2170.07	2119.16	2038.40	1972.27	1896.77	1792.02	1704.82
135.0	2240.30	2209.87	2167.15	2129.69	2077.02	2007.38	1955.88	1885.65	1785.58
180.0	2120.91	2079.36	2037.23	1994.51	1948.86	1878.05	1811.92	1741.10	1656.25
225.0	1979.87	1934.23	1876.29	1823.03	1765.10	1688.43	1617.62	1543.88	1462.54
270.0	2001.53	1954.12	1906.72	1854.64	1777.97	1710.09	1645.13	1553.25	1476.58
315.0	1992.16	1928.37	1875.12	1813.67	1746.96	1651.56	1574.31	1492.97	1406.94
360.0	2116.82	2065.32	2009.72	1937.74	1851.13	1777.97	1700.14	1610.60	1488.87

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1394.06	1167.11	1167.11	1065.99	966.62	848.17	761.61	682.43	598.22
45.0	1591.87	1493.55	1368.31	1267.07	1164.07	1037.08	935.83	842.20	738.03
90.0	1581.34	1478.92	1302.77	1161.67	1135.98	1027.77	926.59	838.92	734.57
135.0	1713.60	1625.23	1543.30	1429.76	1333.20	1236.64	1140.08	1017.18	924.13
180.0	1575.48	1490.04	1405.18	1301.60	1206.79	1106.72	1023.03	909.50	829.91
225.0	1361.29	1150.79	1150.79	1088.52	1003.78	921.09	836.35	744.35	665.34
270.0	1367.73	1282.87	1200.94	1102.04	1025.37	938.17	866.19	766.12	690.62
315.0	1159.97	1159.97	1119.83	1034.62	947.60	838.16	761.90	691.62	593.30
360.0	1394.06	1167.11	1167.11	1065.99	966.62	848.17	761.61	682.43	598.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	531.21	467.83	405.74	330.59	277.69	227.54	180.42	127.40	92.70
45.0	667.80	602.26	520.32	458.87	398.01	337.15	296.18	296.18	167.32
90.0	659.14	583.64	512.13	426.86	364.48	291.68	239.94	191.08	136.24
135.0	834.00	729.25	644.39	540.22	461.22	385.72	303.21	303.21	233.91
180.0	749.73	647.90	566.56	467.65	393.91	326.03	297.35	297.35	156.37
225.0	565.33	485.74	412.17	328.14	268.50	215.48	171.94	123.66	93.52
270.0	611.03	527.93	447.17	355.29	304.96	304.96	172.06	131.56	99.66
315.0	516.23	443.48	375.89	296.65	238.07	188.56	145.25	101.07	75.20
360.0	531.21	467.83	405.74	330.59	277.69	227.54	180.42	127.40	92.70

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	68.71	52.67	44.13	36.64	32.30	29.03	26.34	24.58	23.00
45.0	125.88	85.91	63.97	52.03	42.25	36.64	32.48	28.79	26.57
90.0	100.25	73.39	57.29	46.99	41.14	36.34	32.25	28.68	26.34
135.0	150.81	106.22	80.29	63.50	53.14	43.66	38.16	33.53	29.96
180.0	117.63	87.78	64.73	54.43	46.64	40.26	34.29	30.67	27.86
225.0	72.63	60.04	48.46	41.49	36.17	31.02	28.03	25.69	23.23
270.0	73.62	59.87	47.81	40.20	34.41	30.37	26.74	24.70	22.77
315.0	59.63	47.87	40.91	35.70	30.61	27.86	25.75	23.53	22.06
360.0	68.71	52.67	44.13	36.64	32.30	29.03	26.34	24.58	23.00

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	21.77	20.42	19.55	18.79	18.08	17.32	16.74	16.21	15.63
45.0	24.70	22.59	21.24	20.01	19.02	18.02	17.32	16.68	16.15
90.0	24.23	21.95	20.48	19.25	18.02	17.15	16.21	15.51	15.04
135.0	26.45	24.11	21.59	19.96	18.55	17.15	16.21	15.45	14.75
180.0	25.11	23.17	21.48	19.78	18.61	17.50	16.62	15.86	15.16
225.0	21.59	20.19	18.67	17.73	16.91	16.09	15.27	14.69	14.10
270.0	21.24	19.61	18.67	17.79	16.74	16.04	15.33	14.69	14.16
315.0	20.83	19.78	18.79	18.02	17.32	16.68	15.98	15.51	14.92
360.0	21.77	20.42	19.55	18.79	18.08	17.32	16.74	16.21	15.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.16	14.75	14.10	13.64	13.17	12.58	12.11	11.65	11.24
45.0	15.57	15.10	14.69	14.16	13.69	13.11	12.70	12.23	11.76
90.0	14.57	13.93	13.46	13.05	12.58	12.23	11.82	11.41	11.00
135.0	14.10	13.58	13.23	12.82	12.41	12.11	11.82	11.41	11.18
180.0	14.46	13.99	13.52	13.11	12.64	12.29	11.94	11.53	11.24
225.0	13.52	12.93	12.47	12.11	11.70	11.35	10.94	10.65	10.30
270.0	13.69	13.28	12.87	12.47	12.00	11.70	11.29	10.89	10.65
315.0	14.46	13.99	13.40	12.93	12.47	12.00	11.47	11.00	10.59
360.0	15.16	14.75	14.10	13.64	13.17	12.58	12.11	11.65	11.24

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.71	10.30	9.95	9.54	9.07	8.72	8.60	8.37	8.25
45.0	11.18	10.77	10.42	9.95	9.48	9.07	8.60	8.19	8.02
90.0	10.65	10.30	9.83	9.54	9.19	8.78	8.49	8.31	8.13
135.0	10.83	10.53	10.30	10.01	9.60	9.31	9.01	8.72	8.49
180.0	10.89	10.48	10.18	9.89	9.48	9.19	8.95	8.72	8.54
225.0	9.83	9.48	9.19	8.90	8.60	8.37	8.25	8.08	7.90
270.0	10.18	9.89	9.42	9.07	8.78	8.43	8.25	8.08	7.90
315.0	10.18	9.66	9.25	8.90	8.49	8.25	8.08	7.90	7.72
360.0	10.71	10.30	9.95	9.54	9.07	8.72	8.60	8.37	8.25

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.08	7.90	7.78	7.61	7.43	7.32	7.20	7.02	6.79
45.0	7.84	7.67	7.55	7.37	7.20	7.08	6.96	6.85	6.67
90.0	7.90	7.72	7.61	7.43	7.26	7.14	7.02	6.85	6.67
135.0	8.31	8.13	7.90	7.78	7.61	7.43	7.26	7.14	6.96
180.0	8.37	8.19	8.02	7.84	7.67	7.49	7.37	7.20	7.02
225.0	7.72	7.61	7.37	7.20	7.14	6.96	6.79	6.67	6.50
270.0	7.72	7.55	7.49	7.26	7.14	7.02	6.85	6.67	6.55
315.0	7.55	7.43	7.32	7.14	6.96	6.85	6.67	6.50	6.32
360.0	8.08	7.90	7.78	7.61	7.43	7.32	7.20	7.02	6.79

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.67	6.50	6.32	6.26	6.20	6.03	5.85	5.62	5.38
45.0	6.55	6.38	6.26	6.09	5.97	5.91	5.74	5.62	5.50
90.0	6.55	6.38	6.26	6.09	5.97	5.79	5.68	5.56	5.44
135.0	6.79	6.61	6.50	6.32	6.20	6.03	5.91	5.74	5.62
180.0	6.91	6.73	6.61	6.44	6.26	6.14	5.97	5.79	5.68
225.0	6.38	6.20	6.14	5.97	5.85	5.74	5.56	5.50	5.33
270.0	6.44	6.26	6.14	5.97	5.85	5.74	5.56	5.44	5.33
315.0	6.20	6.14	5.97	5.85	5.74	5.62	5.50	5.38	5.38
360.0	6.67	6.50	6.32	6.26	6.20	6.03	5.85	5.62	5.38

Intensity data(cd)

C/γ(°)	90.0
0.0	5.38
45.0	5.33
90.0	5.38
135.0	5.56
180.0	5.50
225.0	5.33
270.0	5.33
315.0	5.38
360.0	5.38