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Nata

Client: NT
LumCAT: 1-1586-L & 92.70.397.00
Luminaire: 92.70.410.00LED HOLDER
Report No: 20250110-B015
Ballast type: AC

Test No: 20250110-C015	Voltage(V): 35.070
LampCAT: LUMILEDS 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): 1214.10, Efficiency(%): 95.30% , Luminous Efficacy(lm/W): 115.40
Central intensity(cd): 2337.886, Maximum intensity(cd): 2337.886
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=42.2
[C90/270]Total=42.2
Field angle(10%Imax): [C0/180]Total=66.6
[C90/270]Total=66.6
Maximum s/h(1/2): C0_180=0.68 C90_270=0.68
Maximum s/h(1/4): C0_180=0.66 C90_270=0.66
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.30%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.035%

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	2337.886	0.000	0	0.00%	0.00%
1.0	2335.399	2.236	2.236	0.18%	0.18%
2.0	2325.084	6.689	8.925	0.53%	0.74%
3.0	2313.160	11.093	20.018	0.87%	1.65%
4.0	2296.043	15.428	35.447	1.21%	2.92%
5.0	2269.049	19.639	55.086	1.54%	4.54%
6.0	2241.617	23.705	78.79	1.86%	6.49%
7.0	2207.088	27.613	106.403	2.17%	8.76%
8.0	2167.586	31.309	137.712	2.46%	11.34%
9.0	2125.523	34.793	172.505	2.73%	14.21%
10.0	2079.656	38.055	210.561	2.99%	17.34%
11.0	2028.595	41.050	251.611	3.22%	20.72%
12.0	1972.706	43.740	295.351	3.43%	24.33%
13.0	1901.601	45.978	341.329	3.61%	28.11%
14.0	1831.081	47.778	389.107	3.75%	32.05%
15.0	1756.758	49.255	438.362	3.87%	36.11%
16.0	1676.216	50.303	488.665	3.95%	40.25%
17.0	1577.459	50.668	539.333	3.98%	44.42%
18.0	1463.465	50.138	589.472	3.94%	48.55%
19.0	1369.975	49.296	638.768	3.87%	52.61%
20.0	1265.542	48.237	687.005	3.79%	56.59%
21.0	1180.626	46.971	733.976	3.69%	60.45%
22.0	1089.243	45.614	779.59	3.58%	64.21%
23.0	992.410	43.679	823.269	3.43%	67.81%
24.0	895.541	41.277	864.546	3.24%	71.21%
25.0	805.474	38.677	903.224	3.04%	74.39%
26.0	712.219	35.825	939.049	2.81%	77.35%
27.0	628.875	32.810	971.859	2.58%	80.05%
28.0	553.067	29.924	1001.784	2.35%	82.51%
29.0	478.692	26.994	1028.777	2.12%	84.74%
30.0	401.764	23.772	1052.549	1.87%	86.69%
31.0	342.123	20.701	1073.251	1.62%	88.40%
32.0	290.367	18.120	1091.371	1.42%	89.89%
33.0	252.686	15.999	1107.369	1.26%	91.21%
34.0	190.586	13.415	1120.784	1.05%	92.31%
35.0	165.933	11.072	1131.856	0.87%	93.23%
36.0	111.317	8.828	1140.684	0.69%	93.95%
37.0	85.743	6.427	1147.111	0.50%	94.48%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	66.533	5.083	1152.194	0.40%	94.90%
39.0	52.092	4.049	1156.243	0.32%	95.23%
40.0	42.070	3.284	1159.527	0.26%	95.51%
41.0	34.748	2.735	1162.262	0.21%	95.73%
42.0	30.095	2.356	1164.618	0.18%	95.92%
43.0	26.350	2.091	1166.709	0.16%	96.10%
44.0	23.950	1.898	1168.607	0.15%	96.25%
45.0	22.063	1.768	1170.376	0.14%	96.40%
46.0	20.424	1.662	1172.037	0.13%	96.54%
47.0	19.086	1.571	1173.609	0.12%	96.66%
48.0	18.083	1.503	1175.111	0.12%	96.79%
49.0	17.242	1.451	1176.562	0.11%	96.91%
50.0	16.401	1.403	1177.965	0.11%	97.02%
51.0	15.706	1.358	1179.323	0.11%	97.14%
52.0	15.113	1.322	1180.645	0.10%	97.24%
53.0	14.572	1.291	1181.937	0.10%	97.35%
54.0	14.104	1.264	1183.201	0.10%	97.46%
55.0	13.636	1.238	1184.439	0.10%	97.56%
56.0	13.197	1.212	1185.651	0.10%	97.66%
57.0	12.780	1.188	1186.839	0.09%	97.75%
58.0	12.348	1.162	1188.001	0.09%	97.85%
59.0	11.909	1.134	1189.135	0.09%	97.94%
60.0	11.522	1.107	1190.242	0.09%	98.03%
61.0	11.127	1.081	1191.323	0.08%	98.12%
62.0	10.754	1.054	1192.377	0.08%	98.21%
63.0	10.351	1.026	1193.404	0.08%	98.30%
64.0	9.993	0.998	1194.402	0.08%	98.38%
65.0	9.634	0.971	1195.373	0.08%	98.46%
66.0	9.276	0.943	1196.317	0.07%	98.54%
67.0	8.881	0.913	1197.23	0.07%	98.61%
68.0	8.603	0.886	1198.115	0.07%	98.68%
69.0	8.361	0.865	1198.981	0.07%	98.75%
70.0	8.142	0.848	1199.828	0.07%	98.82%
71.0	7.981	0.833	1200.662	0.07%	98.89%
72.0	7.805	0.821	1201.483	0.06%	98.96%
73.0	7.645	0.808	1202.291	0.06%	99.03%
74.0	7.498	0.796	1203.087	0.06%	99.09%
75.0	7.337	0.784	1203.871	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.184	0.771	1204.641	0.06%	99.22%
77.0	7.052	0.759	1205.4	0.06%	99.28%
78.0	6.920	0.748	1206.148	0.06%	99.35%
79.0	6.767	0.735	1206.884	0.06%	99.41%
80.0	6.598	0.721	1207.604	0.06%	99.47%
81.0	6.474	0.707	1208.311	0.06%	99.52%
82.0	6.342	0.695	1209.006	0.05%	99.58%
83.0	6.225	0.683	1209.689	0.05%	99.64%
84.0	6.079	0.670	1210.36	0.05%	99.69%
85.0	5.940	0.656	1211.016	0.05%	99.75%
86.0	5.794	0.641	1211.657	0.05%	99.80%
87.0	5.684	0.628	1212.285	0.05%	99.85%
88.0	5.567	0.616	1212.901	0.05%	99.90%
89.0	5.450	0.604	1213.505	0.05%	99.95%
90.0	5.384	0.594	1214.099	0.05%	100.00%

Zonal flux distribution table

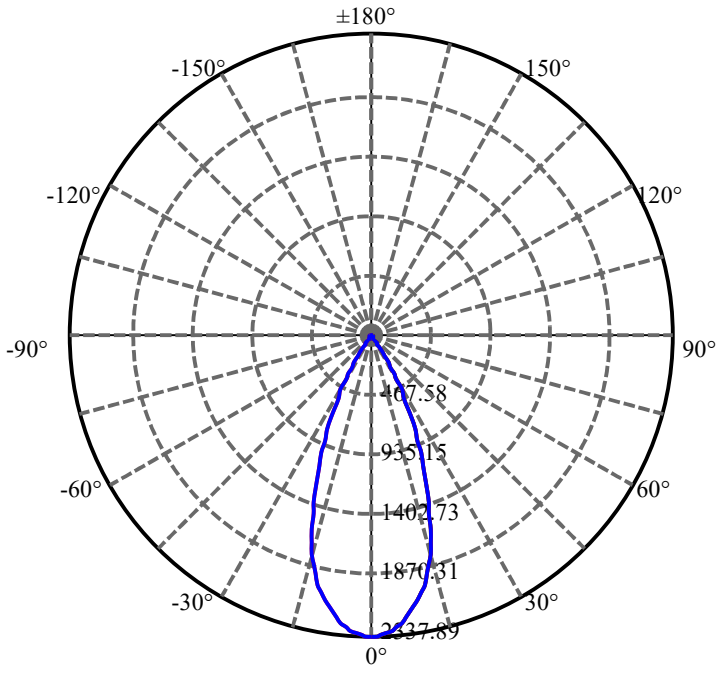
ZONAL LUMEN SUMMARY

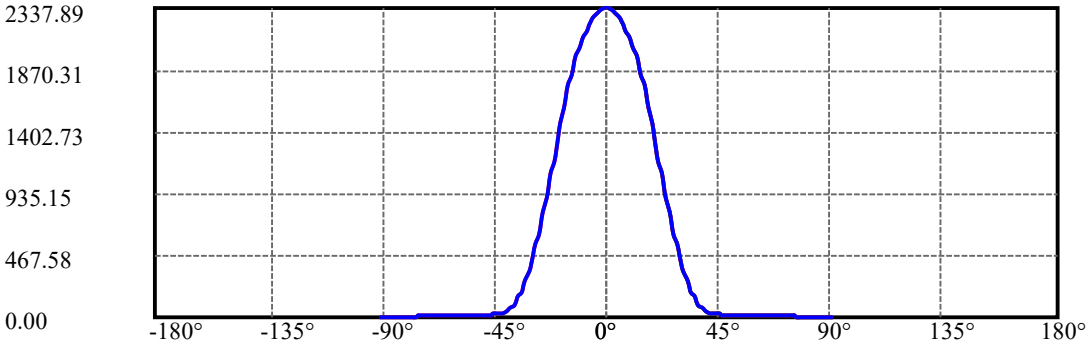
Zone	Lumens	%Lamp	%Fixt
0-30	1052.55	82.62%	86.69%
0-40	1159.53	91.01%	95.51%
0-60	1190.24	93.43%	98.03%
0-90	1213.51	95.25%	99.95%
0-120	1213.51	95.25%	99.95%
0-180	1214.10	95.30%	100.00%
60-90	23.26	1.83%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.98	971.28	76.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	210.56
10-20	476.44
20-30	365.54
30-40	106.98
40-50	18.44
50-60	12.28
60-70	9.59
70-80	7.78
80-90	5.90
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):

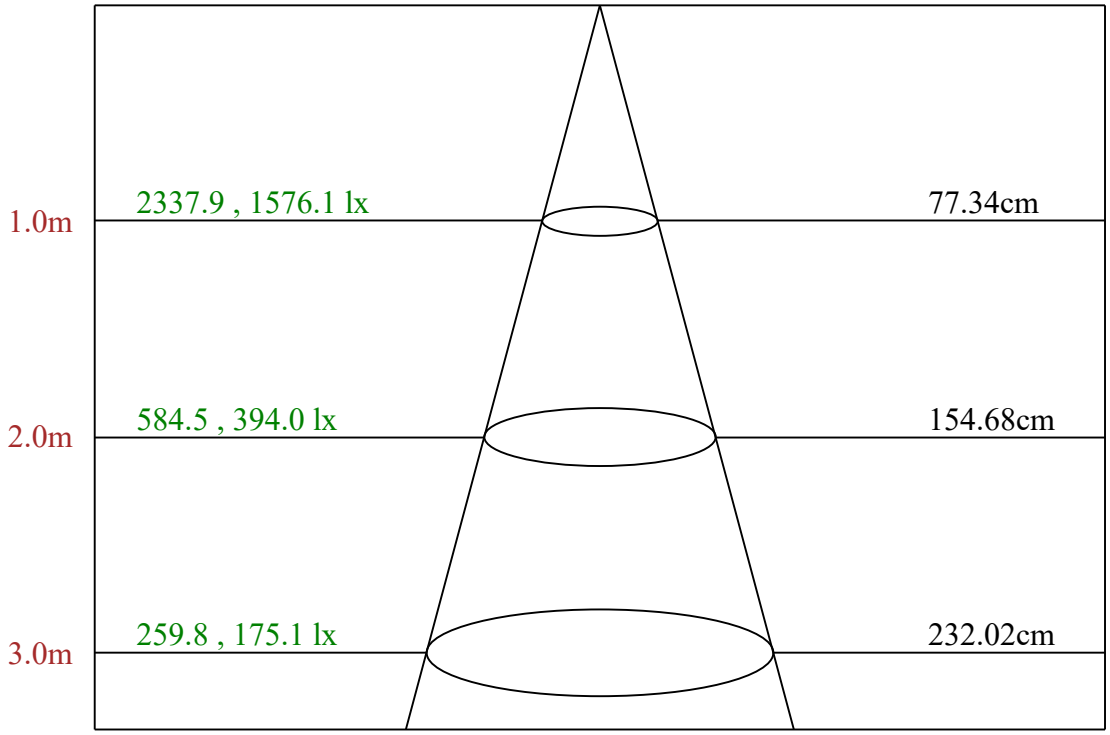
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.3 Right:33.3
:C90/270Left:33.3 Right:33.3

Beam Angle(50%Imax):C0/180Left:21.1 Right:21.1
:C90/270Left:21.1 Right:21.1

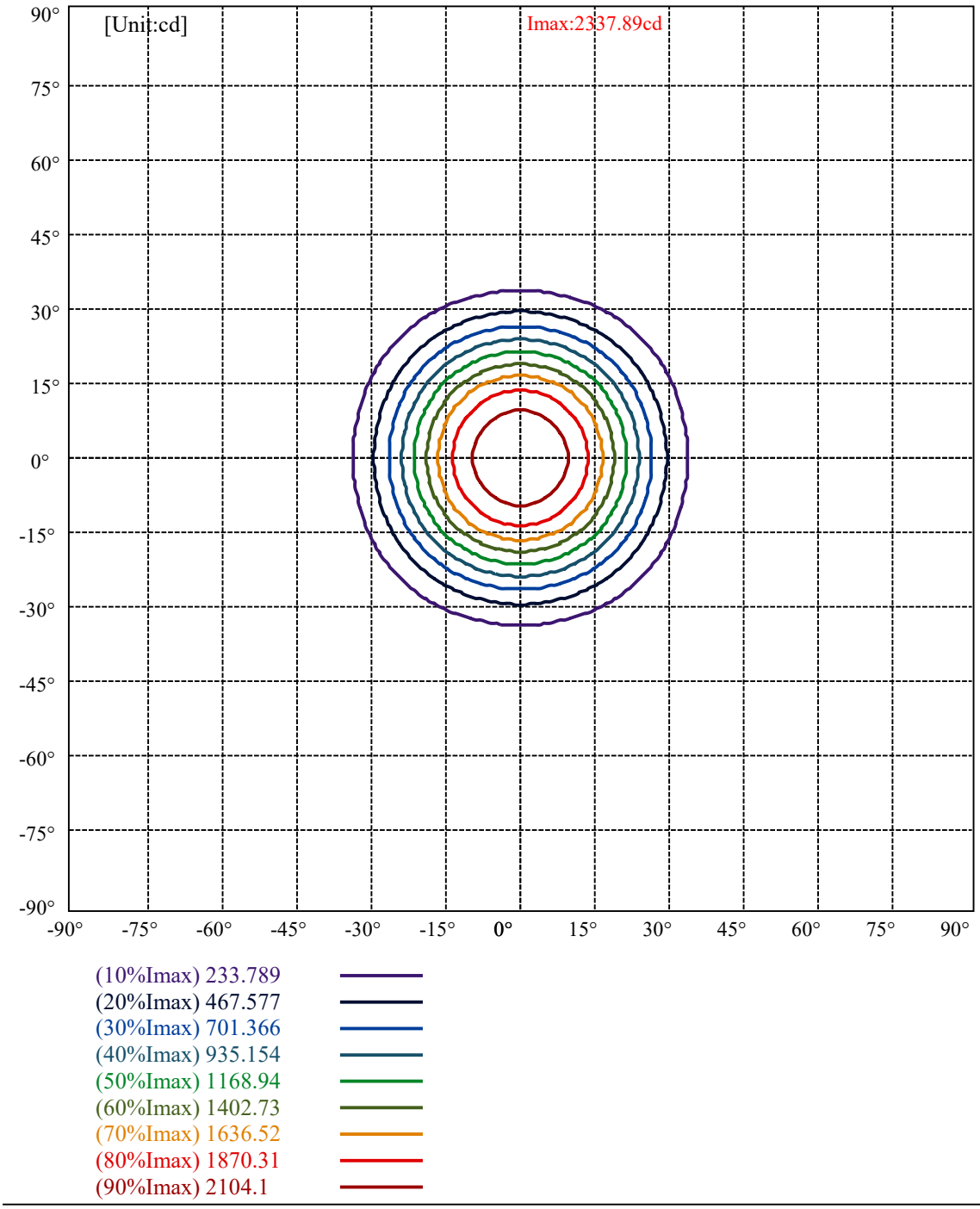
Lux distance Curve



Max , Ave

Beam angle of C0 plane 42.28

ISO-Intensity(V-H)

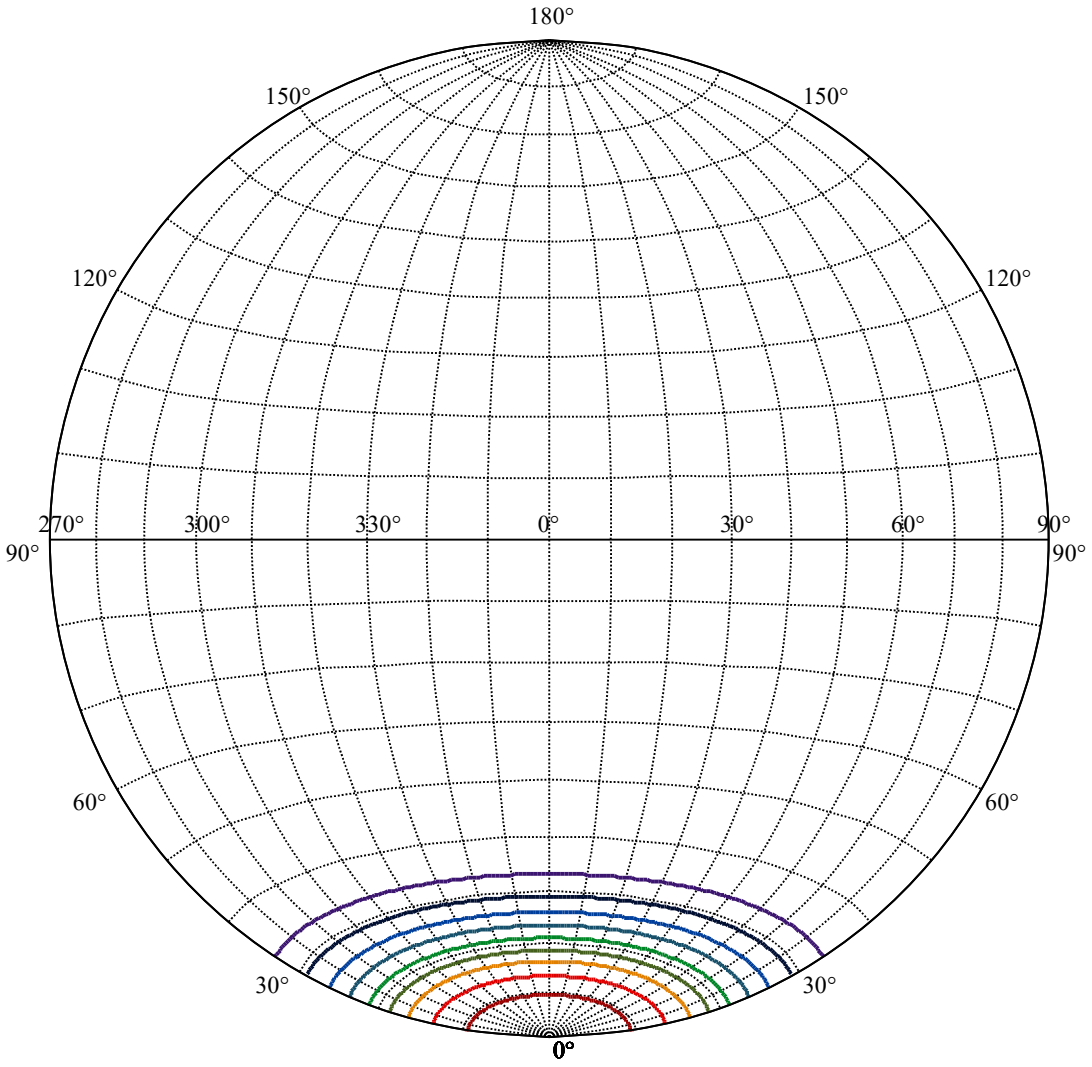


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2337.89

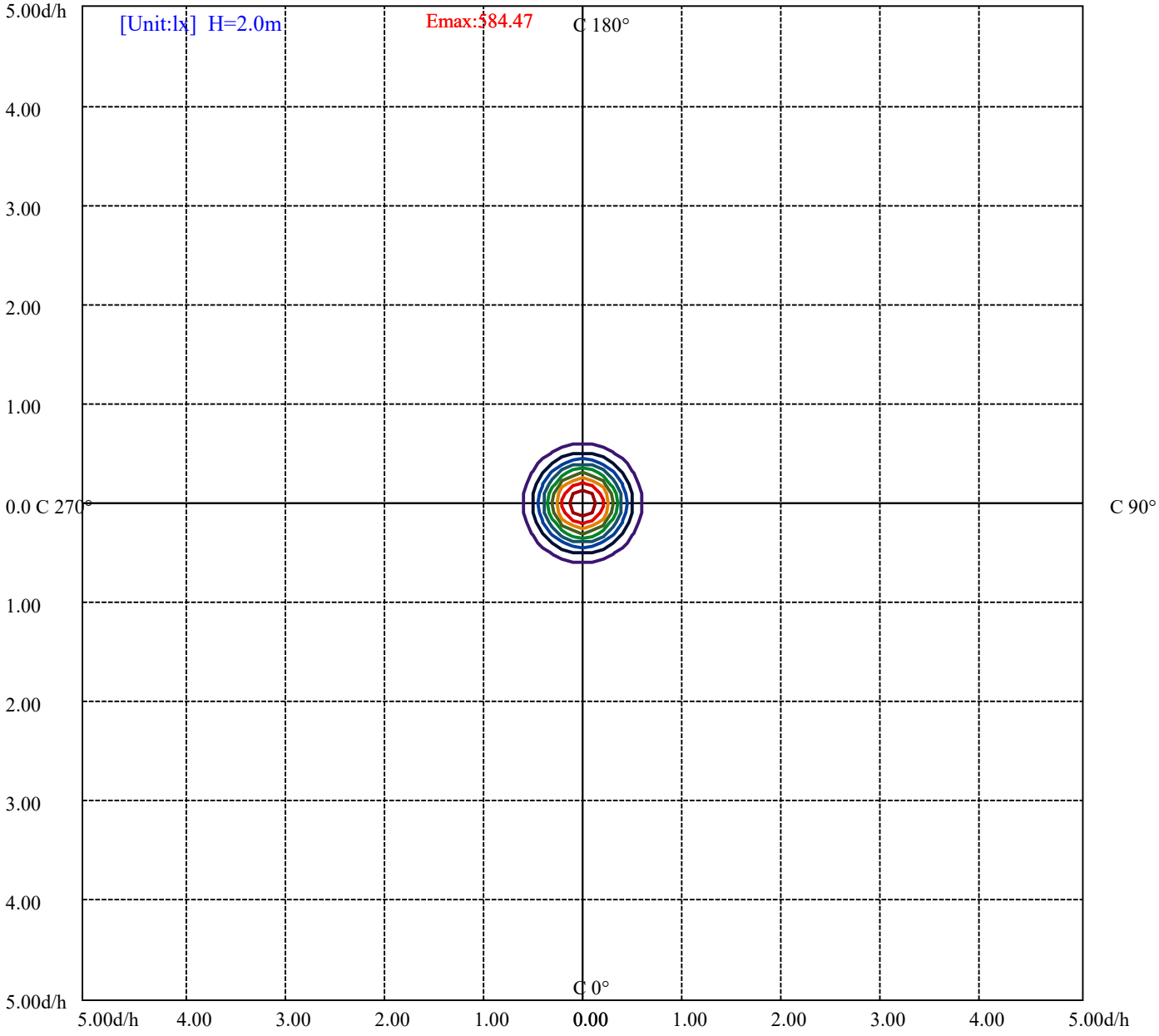
(10%Imax) 233.789
(20%Imax) 467.577
(30%Imax) 701.366
(40%Imax) 935.154
(50%Imax) 1168.94
(60%Imax) 1402.73
(70%Imax) 1636.52
(80%Imax) 1870.31
(90%Imax) 2104.1

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO illuminance diagram



(10%Emax) 58.44725
(20%Emax) 116.8942
(30%Emax) 175.3415
(40%Emax) 233.7885
(50%Emax) 292.235
(60%Emax) 350.6825
(70%Emax) 409.13
(80%Emax) 467.5775
(90%Emax) 526.025

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

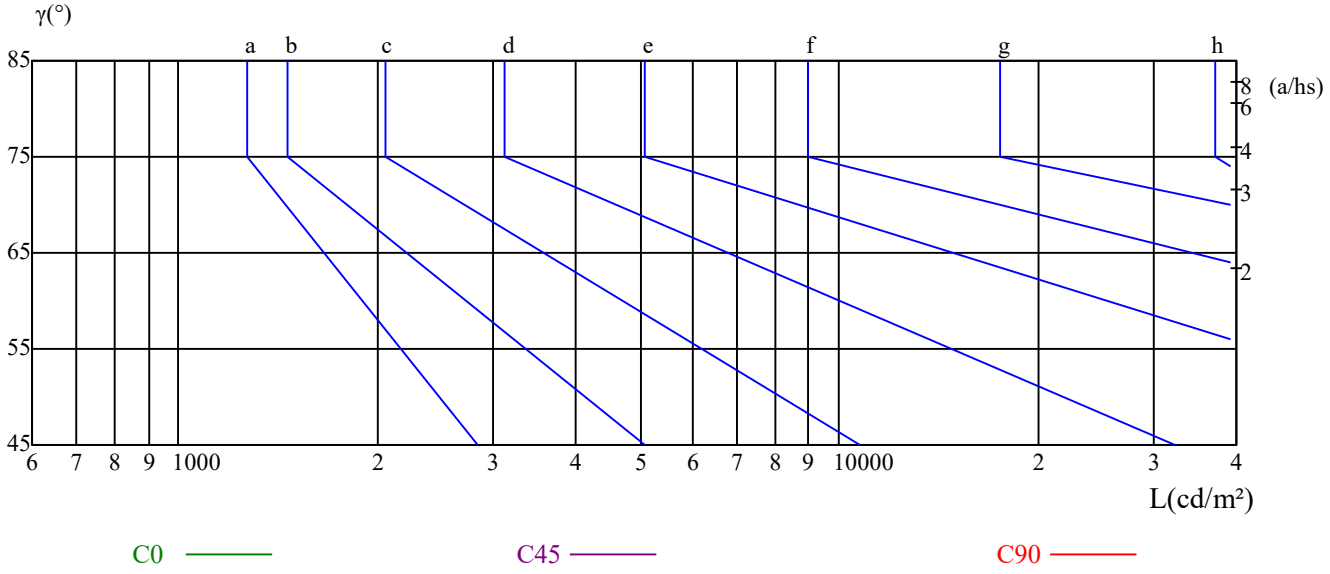
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

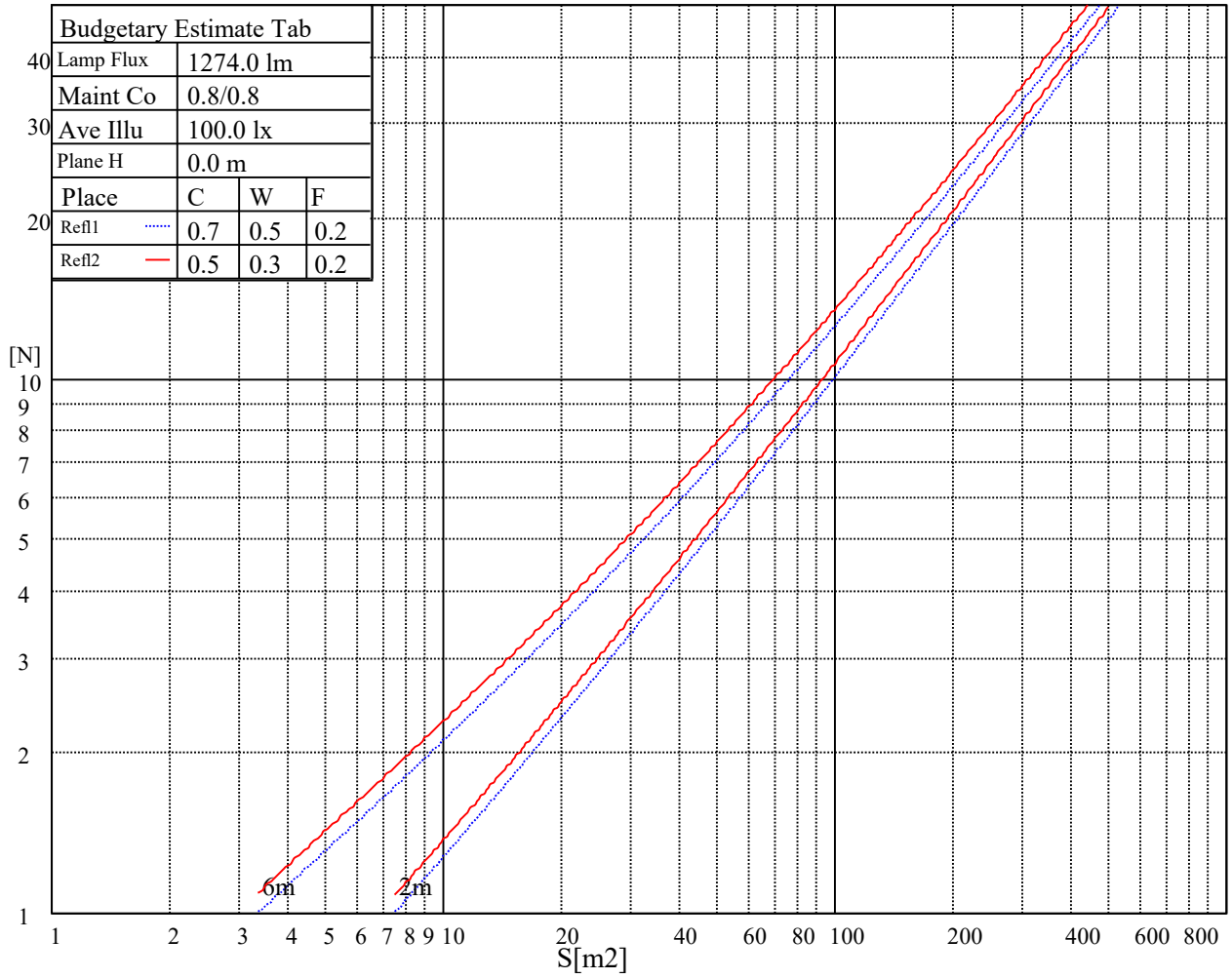


UGR Glare

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	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.85
3	0.94	0.90	0.86	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
4	0.89	0.84	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
6	0.80	0.75	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
7	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.66
8	0.73	0.68	0.65	0.73	0.68	0.65	0.72	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	0.65	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	2330.42	2317.55	2308.77	2295.31	2276.58	2230.35	2199.92	2163.64	2118.57
45.0	2341.54	2348.57	2333.35	2332.18	2327.50	2303.50	2275.41	2239.13	2200.50
90.0	2353.25	2349.15	2334.52	2329.25	2328.08	2302.33	2261.37	2225.67	2190.56
135.0	2326.33	2357.34	2371.39	2355.59	2325.74	2312.28	2302.92	2281.85	2246.15
180.0	2330.42	2356.76	2353.83	2332.18	2307.60	2295.31	2287.70	2253.17	2219.82
225.0	2341.54	2320.48	2297.65	2290.63	2276.00	2249.08	2212.21	2178.27	2146.66
270.0	2353.25	2329.25	2305.85	2290.04	2278.92	2254.35	2221.57	2181.19	2136.71
315.0	2326.33	2304.09	2295.31	2280.10	2247.91	2205.19	2171.83	2133.79	2081.70
360.0	2330.42	2317.55	2308.77	2295.31	2276.58	2230.35	2199.92	2163.64	2118.57

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2072.34	2005.04	1942.42	1871.61	1781.48	1709.50	1625.23	1532.76	1420.40
45.0	2167.73	2134.96	2094.58	2044.83	1969.93	1908.48	1841.76	1743.44	1654.49
90.0	2150.76	2100.43	2043.08	1978.70	1915.50	1829.47	1755.15	1671.46	1558.51
135.0	2206.36	2165.98	2129.11	2081.12	2012.06	1957.05	1886.82	1816.60	1722.38
180.0	2175.93	2129.11	2099.26	2061.81	2003.87	1944.18	1882.73	1824.20	1746.37
225.0	2091.65	2053.03	2005.04	1950.03	1880.39	1818.94	1739.35	1670.29	1589.53
270.0	2103.94	2067.07	2009.14	1954.71	1897.36	1813.67	1740.52	1659.17	1554.42
315.0	2035.47	1981.63	1906.14	1838.84	1752.22	1667.36	1582.51	1491.80	1373.58
360.0	2072.34	2005.04	1942.42	1871.61	1781.48	1709.50	1625.23	1532.76	1420.40

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1267.66	1146.51	1146.51	1029.00	937.30	850.16	743.88	661.07	585.81
45.0	1563.19	1448.49	1354.27	1234.88	1137.74	1040.00	945.78	829.91	736.86
90.0	1463.71	1299.26	1167.17	1142.30	1044.51	924.42	832.72	751.43	656.97
135.0	1641.03	1555.00	1461.37	1343.15	1251.27	1136.57	1043.51	956.90	842.78
180.0	1676.14	1602.99	1515.79	1407.52	1326.18	1233.13	1122.52	1034.74	921.20
225.0	1480.09	1390.55	1158.10	1158.10	1090.57	999.86	916.05	832.83	726.38
270.0	1464.29	1365.39	1243.08	1142.42	1045.27	956.32	842.78	757.34	678.92
315.0	1151.61	1151.61	1078.04	987.63	881.11	798.83	717.08	619.58	548.82
360.0	1267.66	1146.51	1146.51	1029.00	937.30	850.16	743.88	661.07	585.81

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	494.22	427.86	366.53	294.49	244.98	201.20	162.05	119.50	92.99
45.0	654.34	578.26	488.72	424.35	362.31	304.96	304.96	194.59	155.73
90.0	584.82	520.44	461.10	388.76	331.53	278.45	233.15	179.31	141.33
135.0	755.00	670.14	594.06	508.62	446.00	385.72	326.03	299.11	299.11
180.0	834.59	748.56	659.61	550.17	471.75	400.35	330.13	296.18	296.18
225.0	640.24	558.89	465.20	391.98	326.32	253.23	203.83	152.33	119.09
270.0	601.67	515.06	447.17	372.85	316.67	303.21	303.21	166.15	131.50
315.0	466.13	405.33	347.16	282.90	237.43	195.82	158.13	117.51	91.53
360.0	494.22	427.86	366.53	294.49	244.98	201.20	162.05	119.50	92.99

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	73.80	59.17	46.00	38.74	33.53	28.97	26.34	23.88	22.30
45.0	114.47	89.13	70.52	53.20	43.60	37.04	31.37	28.09	25.63
90.0	103.70	81.11	64.02	48.81	40.50	34.65	30.37	26.74	24.64
135.0	170.30	127.75	99.78	76.78	56.59	45.30	37.40	30.61	26.92
180.0	160.12	122.72	89.48	69.41	54.07	41.08	34.70	29.20	26.16
225.0	92.93	72.10	56.83	43.42	36.11	30.96	27.27	23.94	21.95
270.0	102.88	75.73	59.99	47.93	38.98	31.37	27.21	24.23	21.89
315.0	72.33	58.23	45.65	38.45	33.18	28.62	26.10	24.11	22.12
360.0	73.80	59.17	46.00	38.74	33.53	28.97	26.34	23.88	22.30

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	21.01	19.72	18.79	18.08	17.44	16.68	16.21	15.74	15.22
45.0	23.76	21.95	20.66	19.66	18.73	17.79	17.15	16.39	15.86
90.0	22.94	21.48	20.13	19.20	18.32	17.56	16.68	16.09	15.51
135.0	24.35	21.89	20.37	19.02	17.97	16.85	16.09	15.39	14.81
180.0	23.82	22.00	20.13	18.96	17.97	17.03	16.15	15.57	14.92
225.0	20.31	18.61	17.56	16.44	15.68	14.98	14.22	13.69	13.23
270.0	19.55	18.08	16.56	15.63	14.92	14.05	13.58	13.05	12.58
315.0	20.78	19.66	18.49	17.67	16.91	16.27	15.57	14.98	14.46
360.0	21.01	19.72	18.79	18.08	17.44	16.68	16.21	15.74	15.22

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.75	14.16	13.75	13.11	12.70	12.17	11.65	11.18	10.77
45.0	15.39	14.81	14.40	13.93	13.34	12.82	12.35	11.88	11.47
90.0	15.22	14.81	14.28	13.87	13.34	12.87	12.29	11.76	11.41
135.0	14.22	13.81	13.34	12.99	12.64	12.23	11.88	11.53	11.18
180.0	14.34	13.93	13.52	13.17	12.76	12.29	12.00	11.65	11.29
225.0	12.76	12.29	11.88	11.53	11.24	10.89	10.65	10.42	10.01
270.0	12.17	11.88	11.47	11.18	10.89	10.59	10.42	10.07	9.71
315.0	13.99	13.40	12.93	12.47	11.88	11.41	10.94	10.53	10.18
360.0	14.75	14.16	13.75	13.11	12.70	12.17	11.65	11.18	10.77

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.30	9.89	9.42	9.07	8.60	8.43	8.25	8.08	7.90
45.0	10.94	10.53	10.12	9.60	9.19	8.66	8.37	8.13	7.90
90.0	11.00	10.48	10.12	9.71	9.13	8.72	8.37	8.08	7.96
135.0	10.77	10.48	10.12	9.83	9.42	9.13	8.78	8.43	8.25
180.0	11.00	10.59	10.30	9.95	9.54	9.25	8.95	8.72	8.54
225.0	9.66	9.36	8.95	8.66	8.43	8.25	8.13	7.96	7.84
270.0	9.42	9.31	9.07	8.78	8.49	8.31	8.13	7.96	7.78
315.0	9.71	9.31	8.95	8.60	8.25	8.08	7.90	7.78	7.67
360.0	10.30	9.89	9.42	9.07	8.60	8.43	8.25	8.08	7.90

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.72	7.55	7.37	7.26	7.08	6.96	6.79	6.67	6.50
45.0	7.72	7.61	7.49	7.26	7.14	7.02	6.91	6.73	6.55
90.0	7.78	7.61	7.49	7.32	7.14	7.08	6.96	6.73	6.55
135.0	8.08	7.90	7.78	7.55	7.43	7.32	7.20	7.02	6.85
180.0	8.37	8.19	8.08	7.90	7.72	7.55	7.43	7.32	7.14
225.0	7.61	7.49	7.32	7.20	7.02	6.91	6.79	6.61	6.50
270.0	7.67	7.49	7.32	7.20	7.02	6.91	6.73	6.67	6.44
315.0	7.49	7.32	7.14	7.02	6.91	6.67	6.55	6.38	6.26
360.0	7.72	7.55	7.37	7.26	7.08	6.96	6.79	6.67	6.50

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.38	6.26	6.14	5.97	5.85	5.74	5.62	5.44	5.38
45.0	6.44	6.26	6.14	5.97	5.85	5.74	5.62	5.50	5.38
90.0	6.44	6.32	6.14	6.03	5.91	5.74	5.62	5.50	5.33
135.0	6.73	6.55	6.44	6.26	6.09	5.97	5.85	5.74	5.56
180.0	6.96	6.85	6.73	6.61	6.44	6.26	6.14	6.03	5.79
225.0	6.32	6.26	6.14	5.97	5.85	5.68	5.62	5.50	5.38
270.0	6.38	6.20	6.09	5.97	5.85	5.68	5.56	5.44	5.38
315.0	6.14	6.03	5.97	5.85	5.68	5.56	5.44	5.38	5.38
360.0	6.38	6.26	6.14	5.97	5.85	5.74	5.62	5.44	5.38

Intensity data(cd)

C/γ(°)	90.0
0.0	5.38
45.0	5.33
90.0	5.33
135.0	5.44
180.0	5.68
225.0	5.33
270.0	5.27
315.0	5.33
360.0	5.38