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Nata

Client: NT
LumCAT: 1-1585-L & 92.70.397.00
Luminaire: 92.70.410.00 LED HOLDER
Report No: 20250110-B013
Ballast type: AC

Test No: 20250110-C013	Voltage(V): 35.060
LampCAT: LUXEON CoB 1203 LES9	Current(A): 0.300
Lamp flux(lm): 1274.0	Power (W): 10.518
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 33

Photometric Results

Lumens(lm): 1176.64, Efficiency(%): 92.36% , Luminous Efficacy(lm/W): 111.87
Central intensity(cd): 3824.357, Maximum intensity(cd): 3824.357
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.6
[C90/270]Total=27.6
Field angle(10%Imax): [C0/180]Total=58.0
[C90/270]Total=58.0
Maximum s/h(1/2): C0_180=0.47 C90_270=0.47
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.36%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.086%

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	3824.358	0.000	0	0.00%	0.00%
1.0	3815.287	3.655	3.655	0.29%	0.31%
2.0	3788.000	10.913	14.568	0.86%	1.24%
3.0	3744.035	18.014	32.583	1.41%	2.77%
4.0	3676.588	24.839	57.422	1.95%	4.88%
5.0	3587.049	31.248	88.67	2.45%	7.54%
6.0	3473.149	37.103	125.773	2.91%	10.69%
7.0	3340.157	42.290	168.063	3.32%	14.28%
8.0	3178.342	46.652	214.714	3.66%	18.25%
9.0	2986.754	49.965	264.679	3.92%	22.49%
10.0	2796.922	52.340	317.019	4.11%	26.94%
11.0	2581.193	53.738	370.758	4.22%	31.51%
12.0	2365.465	54.074	424.832	4.24%	36.11%
13.0	2118.939	53.219	478.05	4.18%	40.63%
14.0	1856.568	50.886	528.937	3.99%	44.95%
15.0	1647.072	48.100	577.036	3.78%	49.04%
16.0	1433.443	45.138	622.174	3.54%	52.88%
17.0	1246.010	41.726	663.901	3.28%	56.42%
18.0	1120.830	39.024	702.925	3.06%	59.74%
19.0	990.837	36.739	739.663	2.88%	62.86%
20.0	882.505	34.287	773.951	2.69%	65.78%
21.0	789.432	32.105	806.055	2.52%	68.51%
22.0	720.844	30.350	836.405	2.38%	71.08%
23.0	663.652	29.050	865.455	2.28%	73.55%
24.0	615.064	27.957	893.413	2.19%	75.93%
25.0	566.629	26.869	920.282	2.11%	78.21%
26.0	520.302	25.657	945.939	2.01%	80.39%
27.0	478.356	24.432	970.371	1.92%	82.47%
28.0	430.462	23.009	993.381	1.81%	84.43%
29.0	379.935	21.202	1014.583	1.66%	86.23%
30.0	328.823	19.136	1033.719	1.50%	87.85%
31.0	284.580	17.070	1050.789	1.34%	89.30%
32.0	246.219	15.207	1065.996	1.19%	90.60%
33.0	201.391	13.187	1079.183	1.04%	91.72%
34.0	162.641	11.017	1090.2	0.86%	92.65%
35.0	122.809	8.865	1099.065	0.70%	93.41%
36.0	98.581	7.049	1106.114	0.55%	94.01%
37.0	77.828	5.753	1111.867	0.45%	94.50%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	61.083	4.637	1116.504	0.36%	94.89%
39.0	49.942	3.790	1120.293	0.30%	95.21%
40.0	41.968	3.205	1123.499	0.25%	95.48%
41.0	35.852	2.771	1126.27	0.22%	95.72%
42.0	31.522	2.448	1128.718	0.19%	95.93%
43.0	28.259	2.214	1130.932	0.17%	96.12%
44.0	25.428	2.026	1132.959	0.16%	96.29%
45.0	23.372	1.875	1134.834	0.15%	96.45%
46.0	21.310	1.747	1136.581	0.14%	96.60%
47.0	19.700	1.631	1138.213	0.13%	96.73%
48.0	18.413	1.541	1139.753	0.12%	96.87%
49.0	17.198	1.462	1141.216	0.11%	96.99%
50.0	16.130	1.390	1142.605	0.11%	97.11%
51.0	15.201	1.326	1143.931	0.10%	97.22%
52.0	14.477	1.274	1145.204	0.10%	97.33%
53.0	13.819	1.231	1146.435	0.10%	97.43%
54.0	13.241	1.193	1147.628	0.09%	97.53%
55.0	12.692	1.158	1148.785	0.09%	97.63%
56.0	12.202	1.125	1149.91	0.09%	97.73%
57.0	11.785	1.097	1151.007	0.09%	97.82%
58.0	11.309	1.068	1152.075	0.08%	97.91%
59.0	10.885	1.038	1153.113	0.08%	98.00%
60.0	10.468	1.009	1154.121	0.08%	98.09%
61.0	10.132	0.983	1155.105	0.08%	98.17%
62.0	9.832	0.962	1156.066	0.08%	98.25%
63.0	9.488	0.940	1157.006	0.07%	98.33%
64.0	9.210	0.918	1157.924	0.07%	98.41%
65.0	8.917	0.897	1158.821	0.07%	98.49%
66.0	8.639	0.876	1159.697	0.07%	98.56%
67.0	8.398	0.857	1160.553	0.07%	98.63%
68.0	8.127	0.837	1161.39	0.07%	98.70%
69.0	7.952	0.820	1162.211	0.06%	98.77%
70.0	7.783	0.808	1163.019	0.06%	98.84%
71.0	7.615	0.796	1163.815	0.06%	98.91%
72.0	7.440	0.783	1164.598	0.06%	98.98%
73.0	7.293	0.770	1165.368	0.06%	99.04%
74.0	7.132	0.758	1166.126	0.06%	99.11%
75.0	6.971	0.745	1166.872	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.818	0.732	1167.604	0.06%	99.23%
77.0	6.672	0.719	1168.323	0.06%	99.29%
78.0	6.547	0.708	1169.03	0.06%	99.35%
79.0	6.416	0.696	1169.727	0.05%	99.41%
80.0	6.277	0.684	1170.411	0.05%	99.47%
81.0	6.174	0.673	1171.084	0.05%	99.53%
82.0	6.050	0.663	1171.747	0.05%	99.58%
83.0	5.940	0.652	1172.399	0.05%	99.64%
84.0	5.838	0.642	1173.041	0.05%	99.69%
85.0	5.721	0.631	1173.672	0.05%	99.75%
86.0	5.604	0.619	1174.291	0.05%	99.80%
87.0	5.486	0.607	1174.898	0.05%	99.85%
88.0	5.333	0.593	1175.49	0.05%	99.90%
89.0	5.216	0.578	1176.068	0.05%	99.95%
90.0	5.150	0.568	1176.637	0.04%	100.00%

Zonal flux distribution table

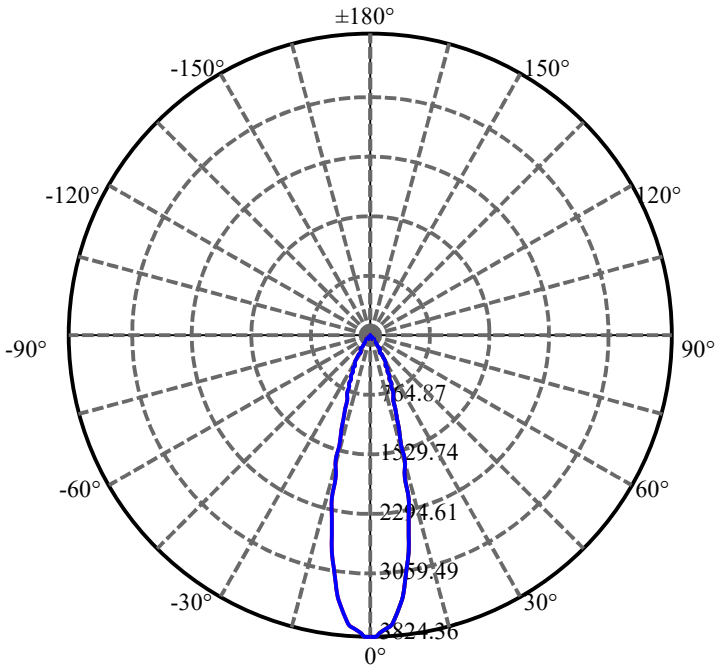
ZONAL LUMEN SUMMARY

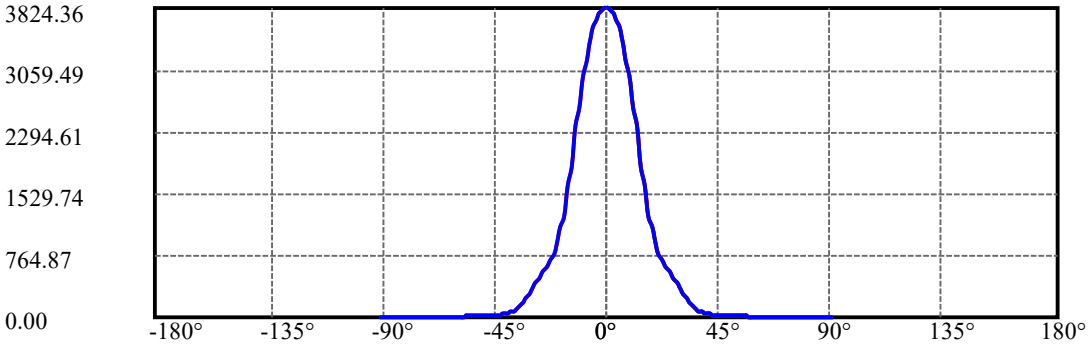
Zone	Lumens	%Lamp	%Fixt
0-30	1033.72	81.14%	87.85%
0-40	1123.50	88.19%	95.48%
0-60	1154.12	90.59%	98.09%
0-90	1176.07	92.31%	99.95%
0-120	1176.07	92.31%	99.95%
0-180	1176.64	92.36%	100.00%
60-90	21.95	1.72%	1.87%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.82	941.31	73.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	317.02
10-20	456.93
20-30	259.77
30-40	89.78
40-50	19.11
50-60	11.52
60-70	8.90
70-80	7.39
80-90	5.66
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):

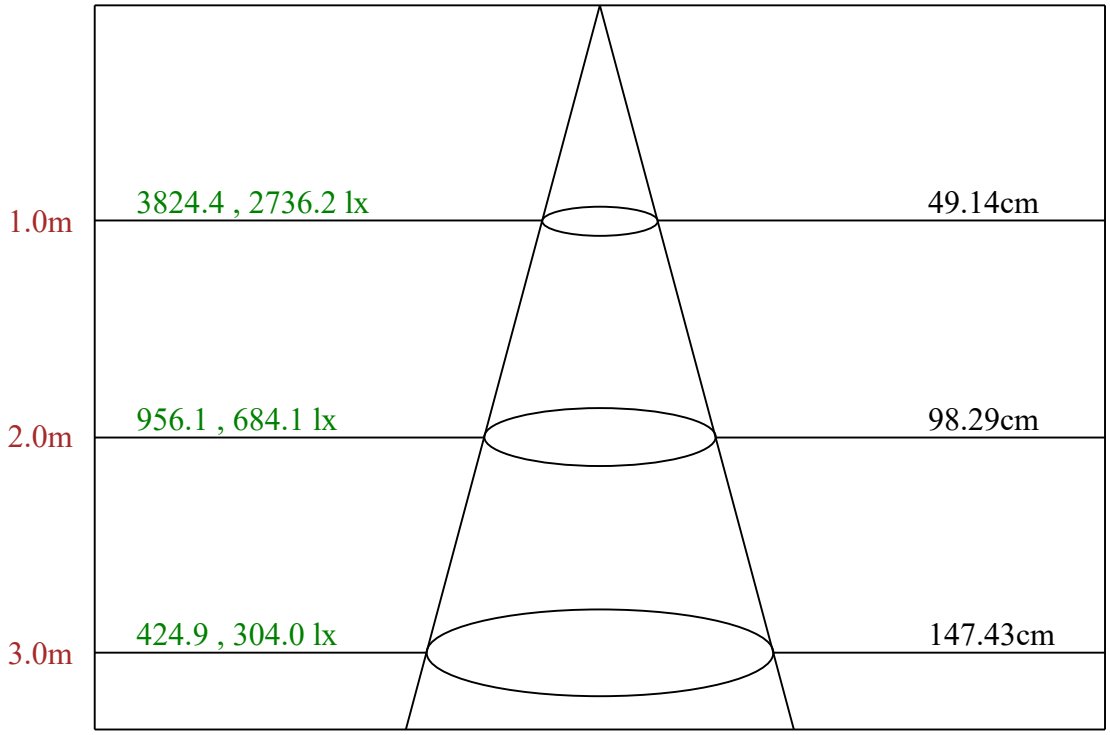
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.0 Right:29.0
:C90/270Left:29.0 Right:29.0

Beam Angle(50%Imax):C0/180Left:13.8 Right:13.8
:C90/270Left:13.8 Right:13.8

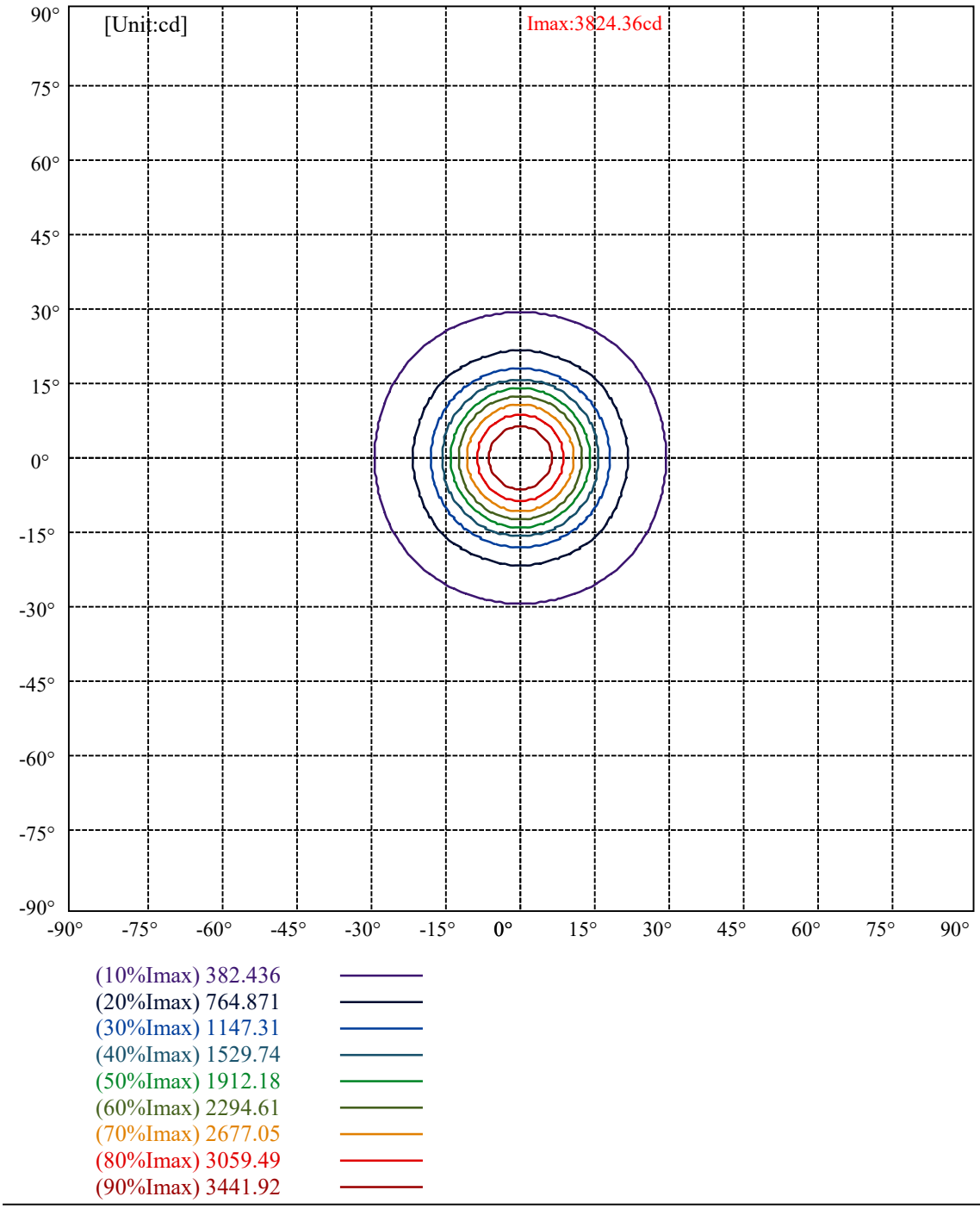
Lux distance Curve



Max , Ave

Beam angle of C0 plane 27.61

ISO-Intensity(V-H)



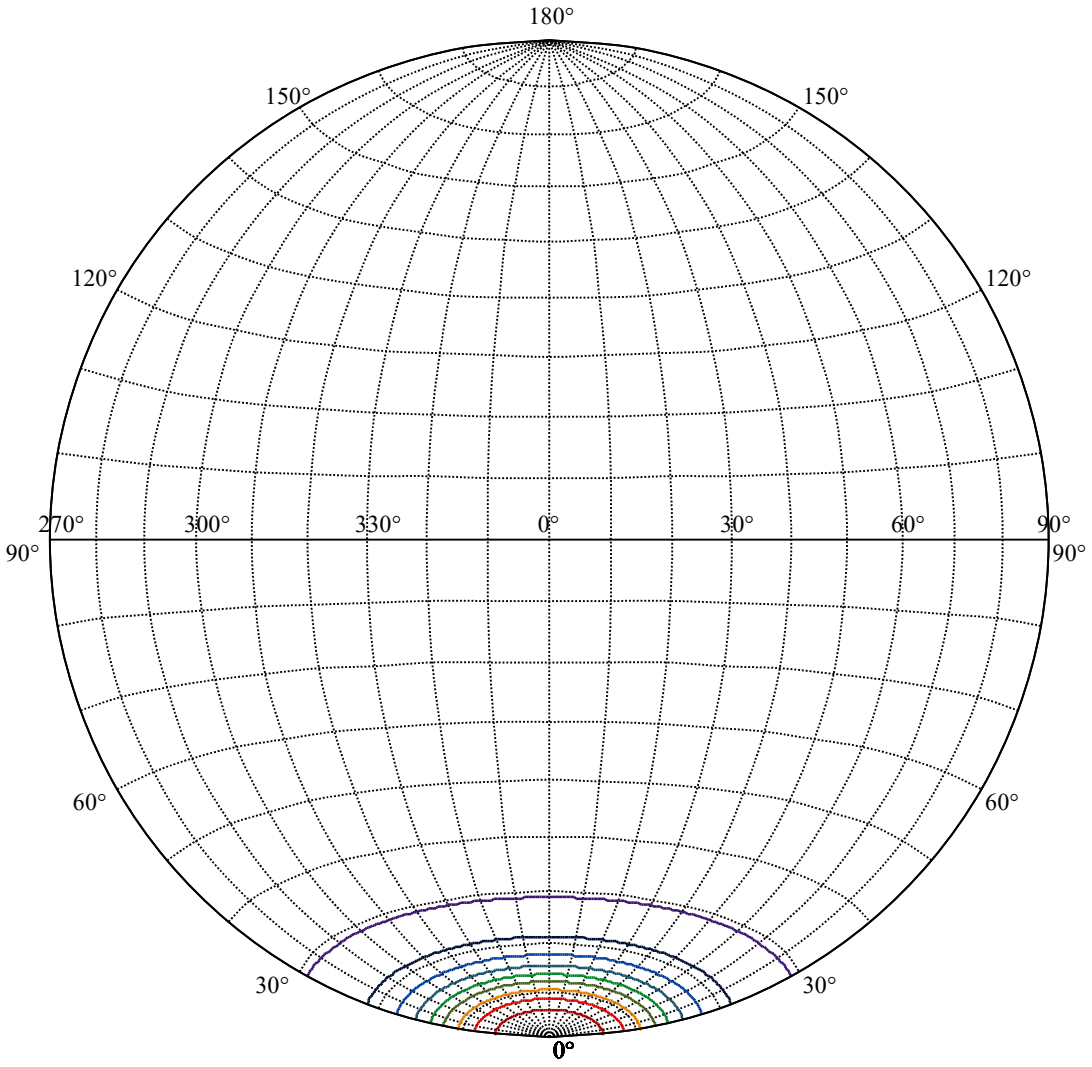
(10%Imax) 382.436
(20%Imax) 764.871
(30%Imax) 1147.31
(40%Imax) 1529.74
(50%Imax) 1912.18
(60%Imax) 2294.61
(70%Imax) 2677.05
(80%Imax) 3059.49
(90%Imax) 3441.92

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:3824.36

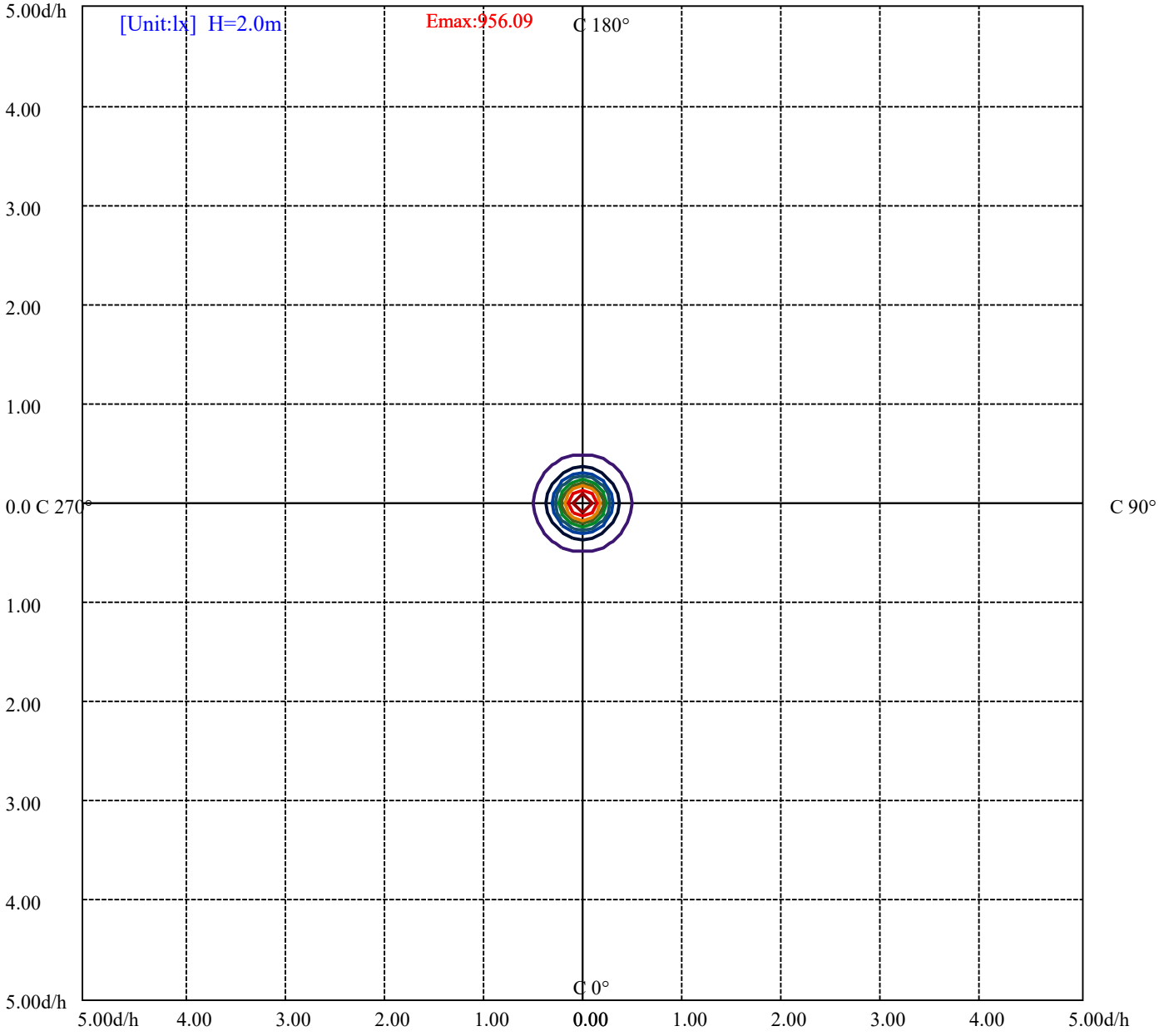
(10%Imax) 382.436
(20%Imax) 764.871
(30%Imax) 1147.31
(40%Imax) 1529.74
(50%Imax) 1912.18
(60%Imax) 2294.61
(70%Imax) 2677.05
(80%Imax) 3059.49
(90%Imax) 3441.92

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO illuminance diagram



(10%Emax) 95.609
(20%Emax) 191.2177
(30%Emax) 286.8275
(40%Emax) 382.435
(50%Emax) 478.045
(60%Emax) 573.6525
(70%Emax) 669.2625
(80%Emax) 764.87
(90%Emax) 860.48

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

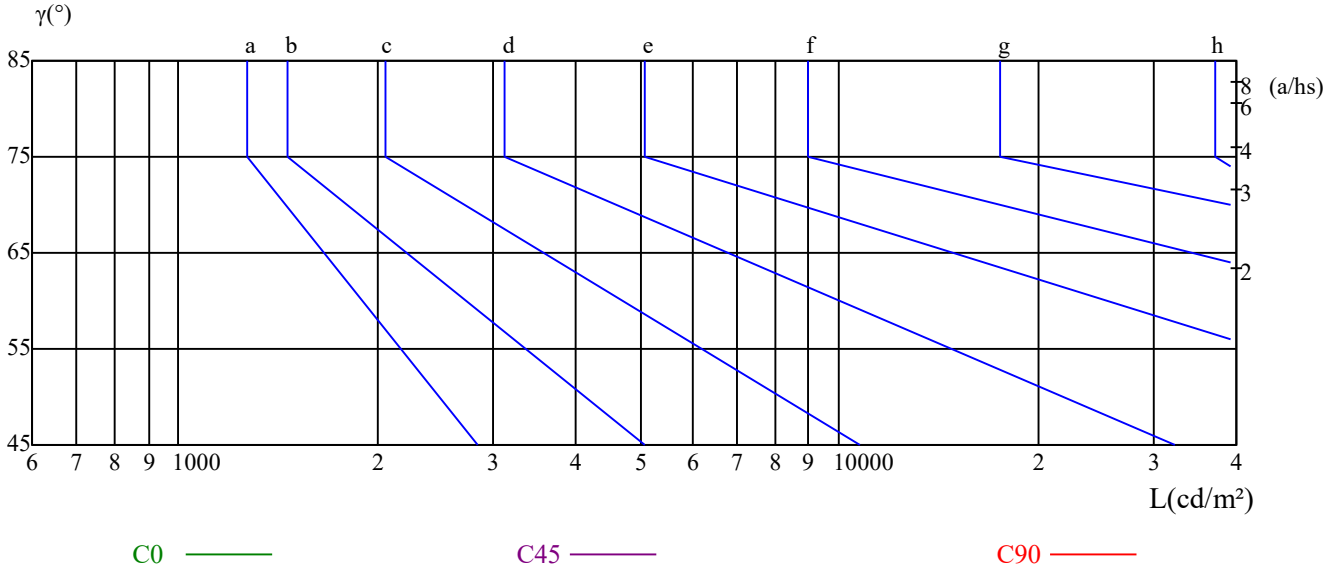
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

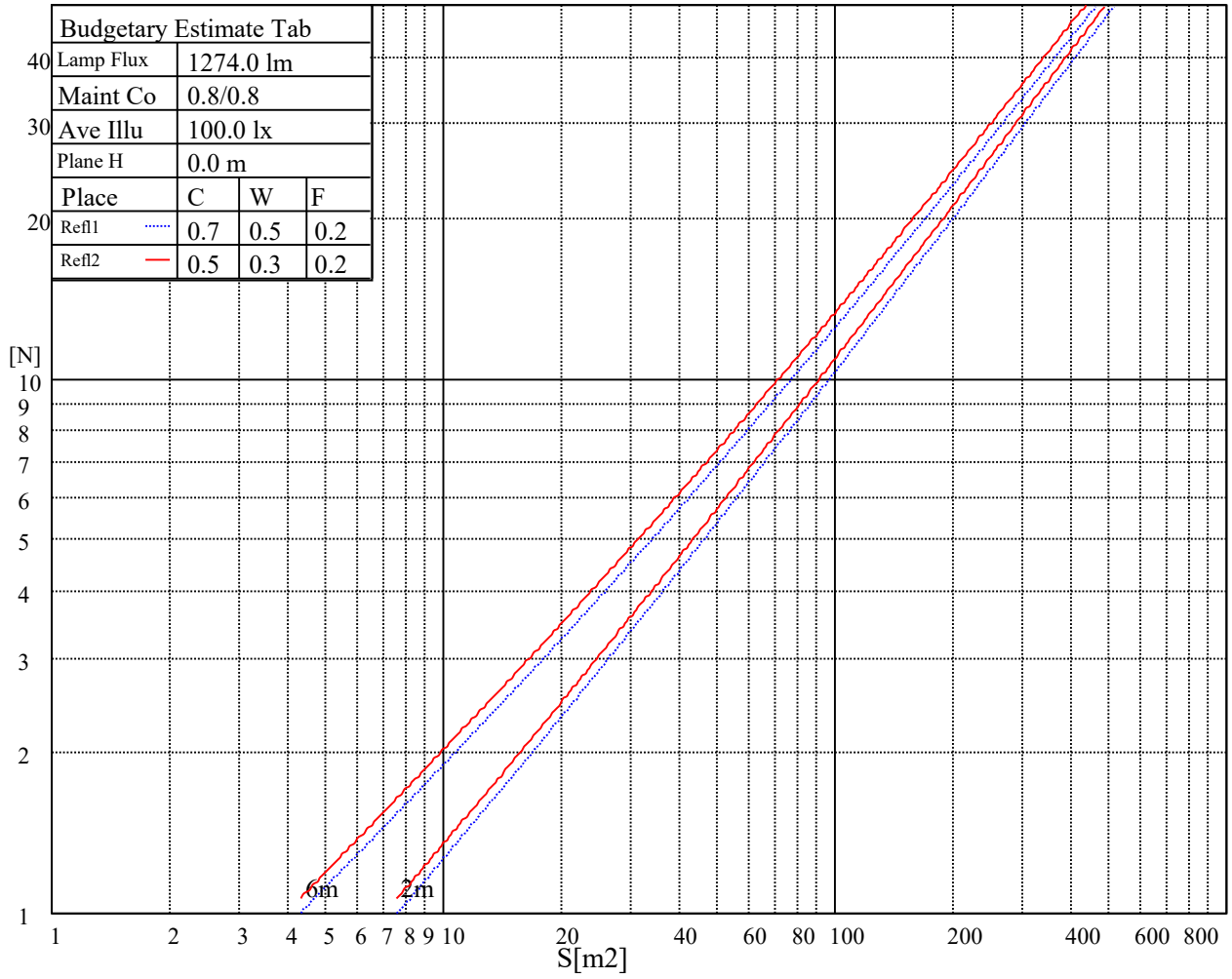


UGR Glare

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	1.10	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	1.01	0.99	1.01	0.99	0.98	0.97	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	0.91	0.89	0.90	0.88	0.87	0.88	0.86	0.85	0.83
3	0.92	0.89	0.85	0.91	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.78	0.82	0.79	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.61

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	3813.97	3777.10	3732.62	3648.94	3561.15	3454.64	3289.02	3138.03	2956.62
45.0	3828.02	3837.38	3825.67	3814.56	3780.03	3706.29	3622.02	3486.24	3356.91
90.0	3841.48	3855.52	3831.53	3795.83	3733.79	3612.07	3503.80	3352.81	3204.17
135.0	3813.97	3842.06	3859.62	3843.82	3797.00	3743.74	3653.62	3532.48	3366.27
180.0	3813.97	3838.55	3832.11	3801.68	3764.23	3713.90	3649.52	3558.81	3441.77
225.0	3828.02	3791.73	3763.64	3726.19	3672.35	3589.83	3498.53	3380.90	3205.34
270.0	3841.48	3823.33	3763.64	3714.48	3641.33	3547.11	3437.08	3305.41	3117.55
315.0	3813.97	3756.62	3695.17	3606.80	3462.83	3328.82	3131.60	2966.56	2778.12
360.0	3813.97	3777.10	3732.62	3648.94	3561.15	3454.64	3289.02	3138.03	2956.62

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2703.21	2486.09	2253.76	2028.45	1745.78	1533.35	1139.02	1139.02	1004.83
45.0	3159.69	2976.51	2770.51	2486.09	2249.66	2013.82	1783.82	1506.43	1309.21
90.0	3026.26	2787.49	2585.00	2374.90	2102.19	1880.39	1666.19	1132.82	1132.82
135.0	3208.26	3039.72	2816.75	2631.23	2379.00	2176.51	1967.58	1752.81	1504.09
180.0	3270.88	3117.55	2902.77	2704.97	2505.99	2248.49	2040.15	1835.32	1641.03
225.0	3044.40	2872.34	2629.47	2422.89	2213.96	1946.52	1737.59	1538.03	1133.52
270.0	2954.27	2782.80	2588.51	2388.36	2128.52	1912.57	1701.31	1459.02	1289.89
315.0	2527.06	2312.87	2102.77	1886.82	1626.40	1140.90	1140.90	1104.09	952.69
360.0	2703.21	2486.09	2253.76	2028.45	1745.78	1533.35	1139.02	1139.02	1004.83

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	898.26	814.87	735.34	681.08	633.68	578.90	539.23	498.79	448.46
45.0	1143.00	1004.89	875.56	797.13	733.35	666.63	620.40	580.60	531.44
90.0	1098.70	950.64	856.71	779.23	703.91	655.16	611.62	573.23	529.39
135.0	1331.45	1181.63	1056.97	931.15	850.98	781.33	720.47	656.10	612.20
180.0	1408.70	1237.22	1085.07	934.66	840.44	767.29	705.25	644.39	595.82
225.0	1133.52	992.83	871.99	777.41	696.83	644.51	599.21	545.49	502.18
270.0	1094.43	963.34	857.41	757.92	691.79	636.78	591.72	541.98	498.08
315.0	858.58	781.28	721.00	656.86	615.77	578.61	532.61	492.47	444.83
360.0	898.26	814.87	735.34	681.08	633.68	578.90	539.23	498.79	448.46

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	404.16	357.51	299.17	253.81	214.25	178.08	138.11	110.96	87.90
45.0	490.48	448.93	391.57	344.76	296.77	296.77	193.36	157.54	126.53
90.0	490.18	448.46	404.33	345.22	297.59	239.36	198.10	161.41	122.37
135.0	570.65	517.98	477.02	424.93	380.45	332.47	297.94	297.94	191.25
180.0	553.68	498.67	450.10	402.69	341.24	304.96	304.96	193.42	158.54
225.0	456.77	399.24	349.03	298.64	238.95	197.98	161.93	130.68	99.02
270.0	458.29	416.74	359.97	310.23	298.52	248.49	177.73	143.26	111.72
315.0	402.63	356.17	308.30	250.30	208.87	171.65	138.99	105.93	85.15
360.0	404.16	357.51	299.17	253.81	214.25	178.08	138.11	110.96	87.90

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	70.17	54.72	46.23	38.80	34.59	31.37	28.21	25.98	24.05
45.0	100.25	74.50	59.63	49.22	40.79	35.93	31.60	28.85	26.45
90.0	96.45	76.37	57.88	47.58	40.44	35.41	31.49	27.56	25.05
135.0	156.37	125.30	93.46	73.45	58.58	45.65	38.74	33.53	28.56
180.0	128.52	102.53	77.02	61.80	50.45	42.02	34.82	30.55	26.51
225.0	79.06	63.73	52.38	42.25	36.58	31.25	28.21	25.87	23.47
270.0	89.07	71.40	56.18	46.88	40.38	34.41	30.90	28.21	25.81
315.0	68.76	54.07	45.88	39.56	33.94	30.78	28.21	25.52	23.53
360.0	70.17	54.72	46.23	38.80	34.59	31.37	28.21	25.98	24.05

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	22.30	20.31	19.02	17.85	16.80	15.57	14.81	14.10	13.28
45.0	24.40	22.06	20.42	19.02	17.67	16.27	15.27	14.34	13.58
90.0	22.82	20.54	18.90	17.62	16.09	15.10	14.16	13.40	12.76
135.0	25.63	22.77	20.95	19.25	17.85	16.39	15.39	14.57	13.93
180.0	24.23	22.30	20.31	18.96	17.91	16.97	16.04	15.39	14.92
225.0	21.83	20.48	19.08	18.14	17.32	16.68	15.98	15.51	15.10
270.0	23.88	21.65	20.13	18.84	17.32	16.33	15.22	14.46	13.75
315.0	21.89	20.37	18.79	17.62	16.62	15.74	14.75	14.05	13.23
360.0	22.30	20.31	19.02	17.85	16.80	15.57	14.81	14.10	13.28

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.76	12.11	11.65	11.29	10.94	10.59	10.24	10.01	9.77
45.0	12.76	12.17	11.53	11.06	10.65	10.12	9.83	9.48	9.19
90.0	12.23	11.59	11.18	10.83	10.42	10.12	9.71	9.54	9.36
135.0	13.28	12.82	12.41	12.00	11.53	11.06	10.59	10.24	9.95
180.0	14.51	14.10	13.75	13.46	12.99	12.52	12.00	11.41	11.00
225.0	14.75	14.22	13.69	13.11	12.35	11.88	11.24	10.77	10.30
270.0	12.99	12.41	11.88	11.41	10.89	10.48	10.12	9.89	9.60
315.0	12.64	12.11	11.53	11.12	10.71	10.30	10.01	9.71	9.48
360.0	12.76	12.11	11.65	11.29	10.94	10.59	10.24	10.01	9.77

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.48	9.31	9.13	8.90	8.66	8.43	8.31	8.13	7.96
45.0	8.95	8.72	8.49	8.31	8.19	7.96	7.84	7.67	7.49
90.0	9.01	8.84	8.54	8.31	8.13	7.84	7.67	7.55	7.37
135.0	9.66	9.42	9.19	8.95	8.60	8.43	8.19	8.02	7.78
180.0	10.53	10.12	9.77	9.42	9.07	8.72	8.49	8.25	8.08
225.0	9.89	9.42	9.07	8.66	8.43	8.08	7.84	7.72	7.61
270.0	9.31	9.07	8.66	8.43	8.19	7.90	7.72	7.61	7.43
315.0	9.07	8.78	8.49	8.13	7.90	7.67	7.55	7.32	7.20
360.0	9.48	9.31	9.13	8.90	8.66	8.43	8.31	8.13	7.96

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.78	7.67	7.49	7.32	7.14	7.02	6.85	6.67	6.55
45.0	7.26	7.14	7.02	6.85	6.67	6.55	6.38	6.26	6.14
90.0	7.20	7.08	6.91	6.79	6.61	6.50	6.38	6.26	6.09
135.0	7.67	7.49	7.32	7.14	7.02	6.85	6.73	6.61	6.44
180.0	7.96	7.78	7.67	7.49	7.32	7.14	7.02	6.85	6.73
225.0	7.37	7.20	7.02	6.85	6.73	6.55	6.44	6.32	6.20
270.0	7.26	7.14	6.96	6.79	6.61	6.50	6.38	6.26	6.09
315.0	7.02	6.85	6.67	6.55	6.44	6.26	6.20	6.09	5.97
360.0	7.78	7.67	7.49	7.32	7.14	7.02	6.85	6.67	6.55

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.44	6.32	6.20	6.20	6.09	5.85	5.56	5.27	5.15
45.0	6.03	5.91	5.79	5.68	5.56	5.50	5.38	5.27	5.15
90.0	6.03	5.91	5.79	5.68	5.56	5.44	5.38	5.27	5.15
135.0	6.32	6.20	6.09	5.97	5.85	5.74	5.62	5.50	5.38
180.0	6.61	6.50	6.38	6.20	6.03	5.91	5.85	5.68	5.44
225.0	6.09	5.91	5.85	5.74	5.62	5.56	5.38	5.27	5.21
270.0	6.03	5.91	5.79	5.68	5.56	5.44	5.38	5.27	5.15
315.0	5.85	5.74	5.62	5.56	5.50	5.38	5.33	5.15	5.09
360.0	6.44	6.32	6.20	6.20	6.09	5.85	5.56	5.27	5.15

Intensity data(cd)

C/γ(°)	90.0
0.0	5.15
45.0	5.09
90.0	5.09
135.0	5.27
180.0	5.33
225.0	5.09
270.0	5.09
315.0	5.09
360.0	5.15