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Nata

Client: NT
LumCAT: 1-1743-LM
Luminaire: 92.70.481.00 LED HOLDER
Report No: 20251210-B016
Ballast type: DC

Test No: 20251210-C016	Voltage(V): 34.460
LampCAT: PHILIPS SLM 1203 L09 1313 G8N	Current(A): 0.218
Lamp flux(lm): 1282.0	Power (W): 7.512
Number of Lamps: 1	PF: 0.000
Length(mm): 45	Width(mm): 45
Phm Type: C	Height(mm): 19

Photometric Results

Lumens(lm): 1240.06, Efficiency(%): 96.73% , Luminous Efficacy(lm/W): 165.08
Central intensity(cd): 1929.999, Maximum intensity(cd): 1929.999
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=40.8
[C90/270]Total=40.8
Field angle(10%Imax): [C0/180]Total=84.6
[C90/270]Total=84.6
Maximum s/h(1/2): C0_180=0.65 C90_270=0.65
Maximum s/h(1/4): C0_180=0.70 C90_270=0.70
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.73%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.982%

Equipment: GMS1980	Date: 2025/12/10	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.28

NT Nata 1-1743-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1929.999	0.000	0	0.00%	0.00%
1.0	1927.416	1.846	1.846	0.14%	0.15%
2.0	1922.249	5.525	7.371	0.43%	0.59%
3.0	1909.116	9.163	16.534	0.71%	1.33%
4.0	1892.323	12.725	29.259	0.99%	2.36%
5.0	1867.241	16.173	45.433	1.26%	3.66%
6.0	1829.521	19.427	64.86	1.52%	5.23%
7.0	1778.410	22.394	87.254	1.75%	7.04%
8.0	1733.908	25.137	112.391	1.96%	9.06%
9.0	1693.271	27.775	140.167	2.17%	11.30%
10.0	1639.716	30.162	170.329	2.35%	13.74%
11.0	1583.416	32.206	202.535	2.51%	16.33%
12.0	1514.844	33.868	236.403	2.64%	19.06%
13.0	1452.667	35.217	271.62	2.75%	21.90%
14.0	1385.322	36.326	307.946	2.83%	24.83%
15.0	1316.320	37.089	345.035	2.89%	27.82%
16.0	1247.124	37.562	382.597	2.93%	30.85%
17.0	1179.930	37.796	420.393	2.95%	33.90%
18.0	1110.830	37.770	458.162	2.95%	36.95%
19.0	1048.255	37.564	495.726	2.93%	39.98%
20.0	986.196	37.236	532.962	2.90%	42.98%
21.0	931.995	36.833	569.795	2.87%	45.95%
22.0	872.336	36.259	606.054	2.83%	48.87%
23.0	821.634	35.544	641.598	2.77%	51.74%
24.0	771.212	34.825	676.423	2.72%	54.55%
25.0	723.179	33.979	710.403	2.65%	57.29%
26.0	680.368	33.131	743.534	2.58%	59.96%
27.0	640.764	32.322	775.855	2.52%	62.57%
28.0	606.467	31.577	807.433	2.46%	65.11%
29.0	572.494	30.845	838.278	2.41%	67.60%
30.0	545.851	30.195	868.473	2.36%	70.03%
31.0	518.131	29.609	898.082	2.31%	72.42%
32.0	494.341	29.006	927.088	2.26%	74.76%
33.0	469.335	28.390	955.478	2.21%	77.05%
34.0	447.277	27.739	983.217	2.16%	79.29%
35.0	428.493	27.198	1010.416	2.12%	81.48%
36.0	411.398	26.742	1037.158	2.09%	83.64%
37.0	376.520	25.697	1062.855	2.00%	85.71%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	342.116	23.987	1086.843	1.87%	87.64%
39.0	307.841	22.185	1109.027	1.73%	89.43%
40.0	275.460	20.343	1129.371	1.59%	91.07%
41.0	237.353	18.261	1147.632	1.42%	92.55%
42.0	204.639	16.058	1163.69	1.25%	93.84%
43.0	167.673	13.791	1177.482	1.08%	94.95%
44.0	136.627	11.485	1188.967	0.90%	95.88%
45.0	104.419	9.264	1198.23	0.72%	96.63%
46.0	75.913	7.052	1205.283	0.55%	97.20%
47.0	52.791	5.119	1210.402	0.40%	97.61%
48.0	34.943	3.547	1213.948	0.28%	97.89%
49.0	24.436	2.438	1216.387	0.19%	98.09%
50.0	18.881	1.806	1218.193	0.14%	98.24%
51.0	16.459	1.495	1219.688	0.12%	98.36%
52.0	14.371	1.323	1221.011	0.10%	98.46%
53.0	12.369	1.163	1222.174	0.09%	98.56%
54.0	10.743	1.019	1223.193	0.08%	98.64%
55.0	9.279	0.894	1224.087	0.07%	98.71%
56.0	8.117	0.786	1224.873	0.06%	98.78%
57.0	7.363	0.708	1225.58	0.06%	98.83%
58.0	6.793	0.655	1226.235	0.05%	98.88%
59.0	6.394	0.616	1226.852	0.05%	98.93%
60.0	6.093	0.590	1227.442	0.05%	98.98%
61.0	5.791	0.567	1228.009	0.04%	99.03%
62.0	5.522	0.545	1228.554	0.04%	99.07%
63.0	5.329	0.528	1229.082	0.04%	99.11%
64.0	5.081	0.511	1229.592	0.04%	99.16%
65.0	4.920	0.495	1230.087	0.04%	99.20%
66.0	4.790	0.484	1230.572	0.04%	99.23%
67.0	4.693	0.477	1231.049	0.04%	99.27%
68.0	4.661	0.474	1231.522	0.04%	99.31%
69.0	4.661	0.476	1231.998	0.04%	99.35%
70.0	4.683	0.480	1232.478	0.04%	99.39%
71.0	4.683	0.484	1232.962	0.04%	99.43%
72.0	4.661	0.486	1233.448	0.04%	99.47%
73.0	4.575	0.483	1233.931	0.04%	99.51%
74.0	4.295	0.466	1234.397	0.04%	99.54%
75.0	4.037	0.440	1234.837	0.03%	99.58%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.832	0.418	1235.255	0.03%	99.61%
77.0	3.682	0.401	1235.656	0.03%	99.64%
78.0	3.617	0.391	1236.046	0.03%	99.68%
79.0	3.552	0.385	1236.432	0.03%	99.71%
80.0	3.488	0.380	1236.811	0.03%	99.74%
81.0	3.391	0.372	1237.183	0.03%	99.77%
82.0	3.305	0.363	1237.546	0.03%	99.80%
83.0	3.240	0.356	1237.902	0.03%	99.83%
84.0	3.143	0.348	1238.25	0.03%	99.85%
85.0	3.046	0.338	1238.588	0.03%	99.88%
86.0	2.906	0.325	1238.913	0.03%	99.91%
87.0	2.788	0.312	1239.225	0.02%	99.93%
88.0	2.584	0.294	1239.519	0.02%	99.96%
89.0	2.465	0.277	1239.796	0.02%	99.98%
90.0	2.411	0.267	1240.063	0.02%	100.00%

Zonal flux distribution table

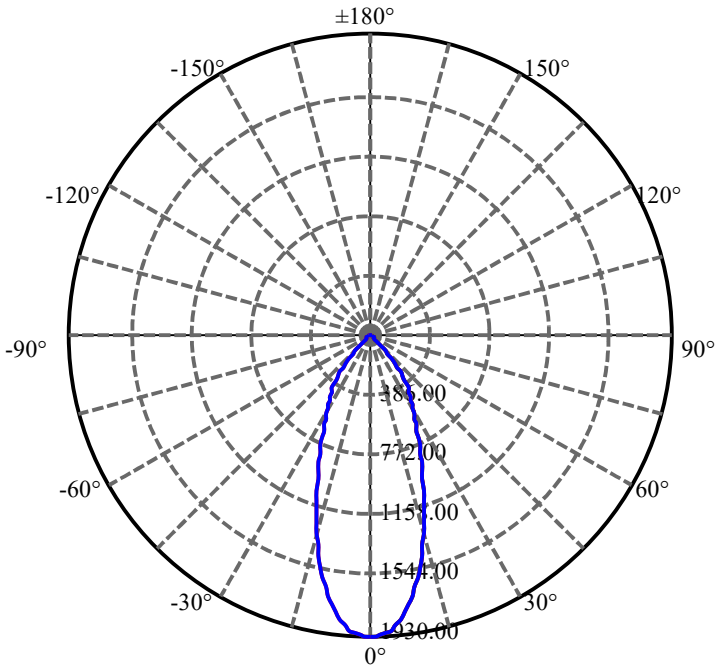
ZONAL LUMEN SUMMARY

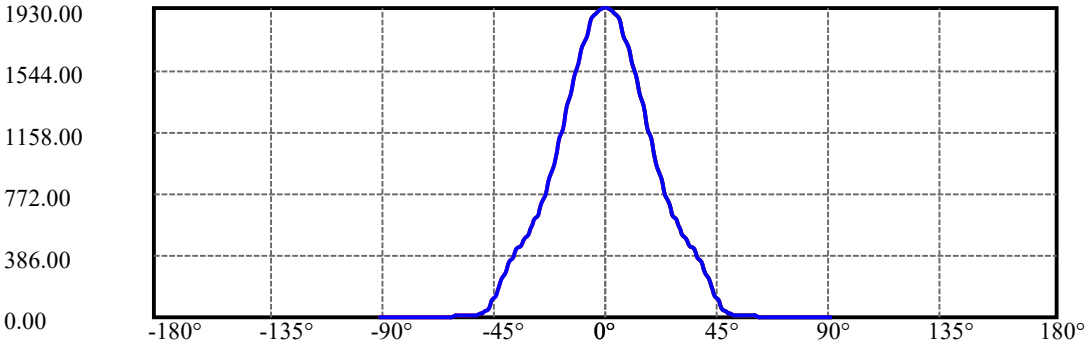
Zone	Lumens	%Lamp	%Fixt
0-30	868.47	67.74%	70.03%
0-40	1129.37	88.09%	91.07%
0-60	1227.44	95.74%	98.98%
0-90	1239.80	96.71%	99.98%
0-120	1239.80	96.71%	99.98%
0-180	1240.06	96.73%	100.00%
60-90	12.35	0.96%	1.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-34.32	992.05	77.38%	80.00%

ZONAL LUMEN SUMMARY

0-10	170.33
10-20	362.63
20-30	335.51
30-40	260.90
40-50	88.82
50-60	9.25
60-70	5.04
70-80	4.33
80-90	2.98
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:

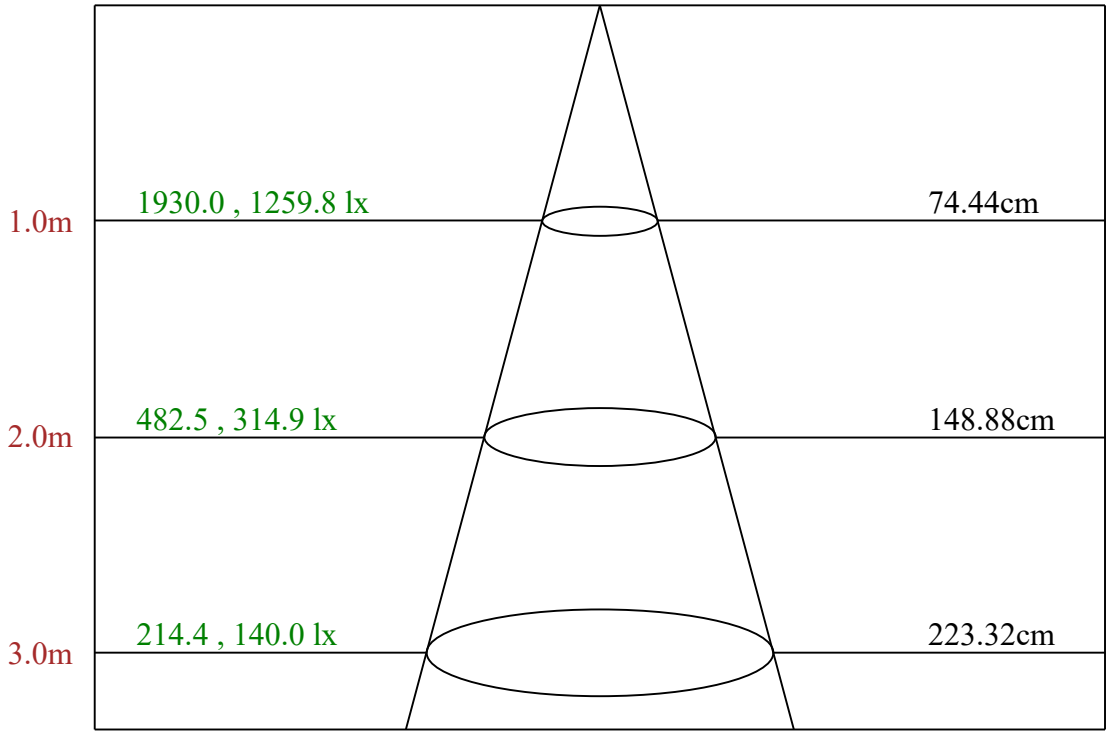
C90/C270:

Field angle(10%Imax):C0/180Left:42.3 Right:42.3
:C90/270Left:42.3 Right:42.3

Beam Angle(50%Imax):C0/180Left:20.4 Right:20.4
:C90/270Left:20.4 Right:20.4

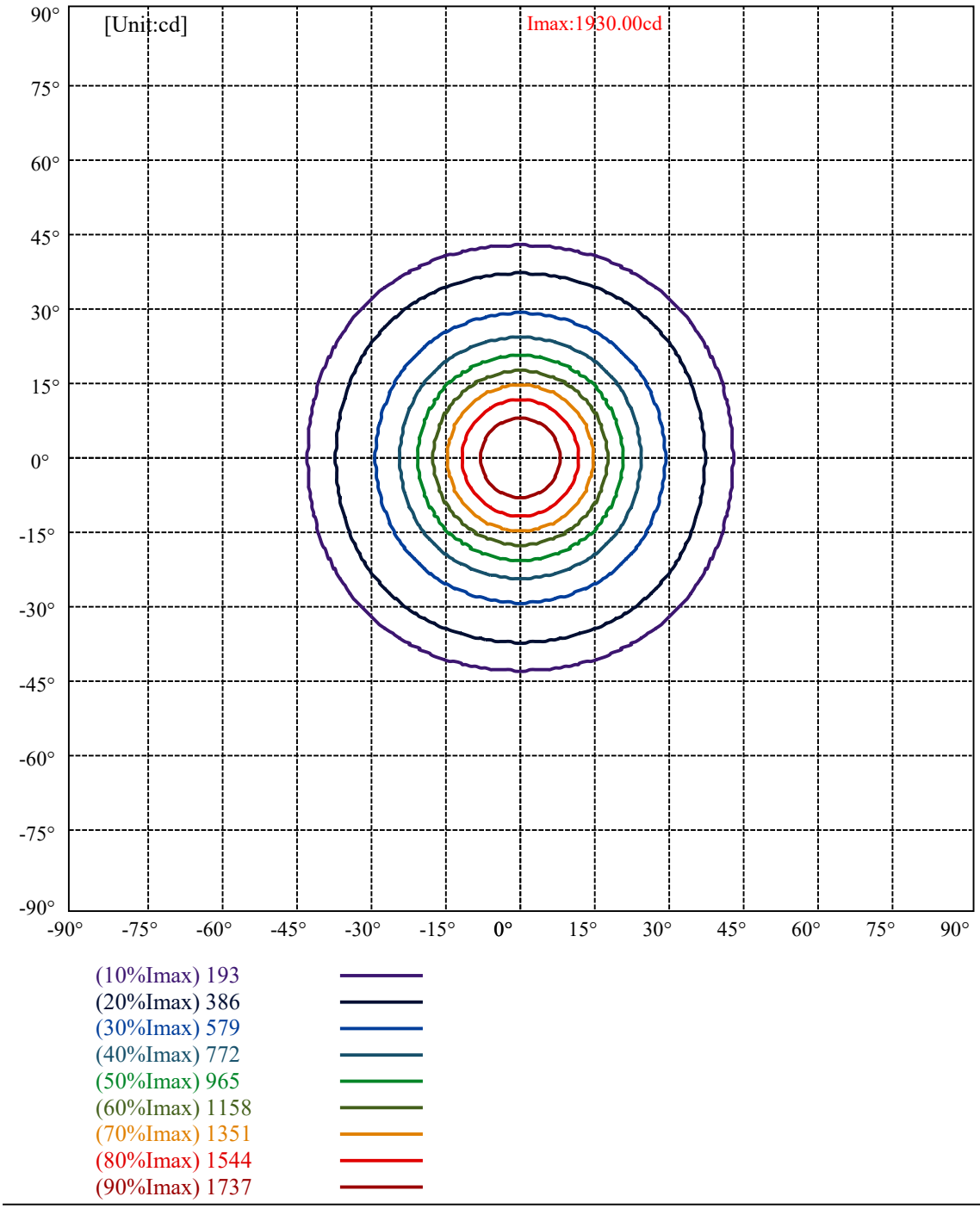
Equipment: GMS1980 Date: 2025/12/10 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

Lux distance Curve



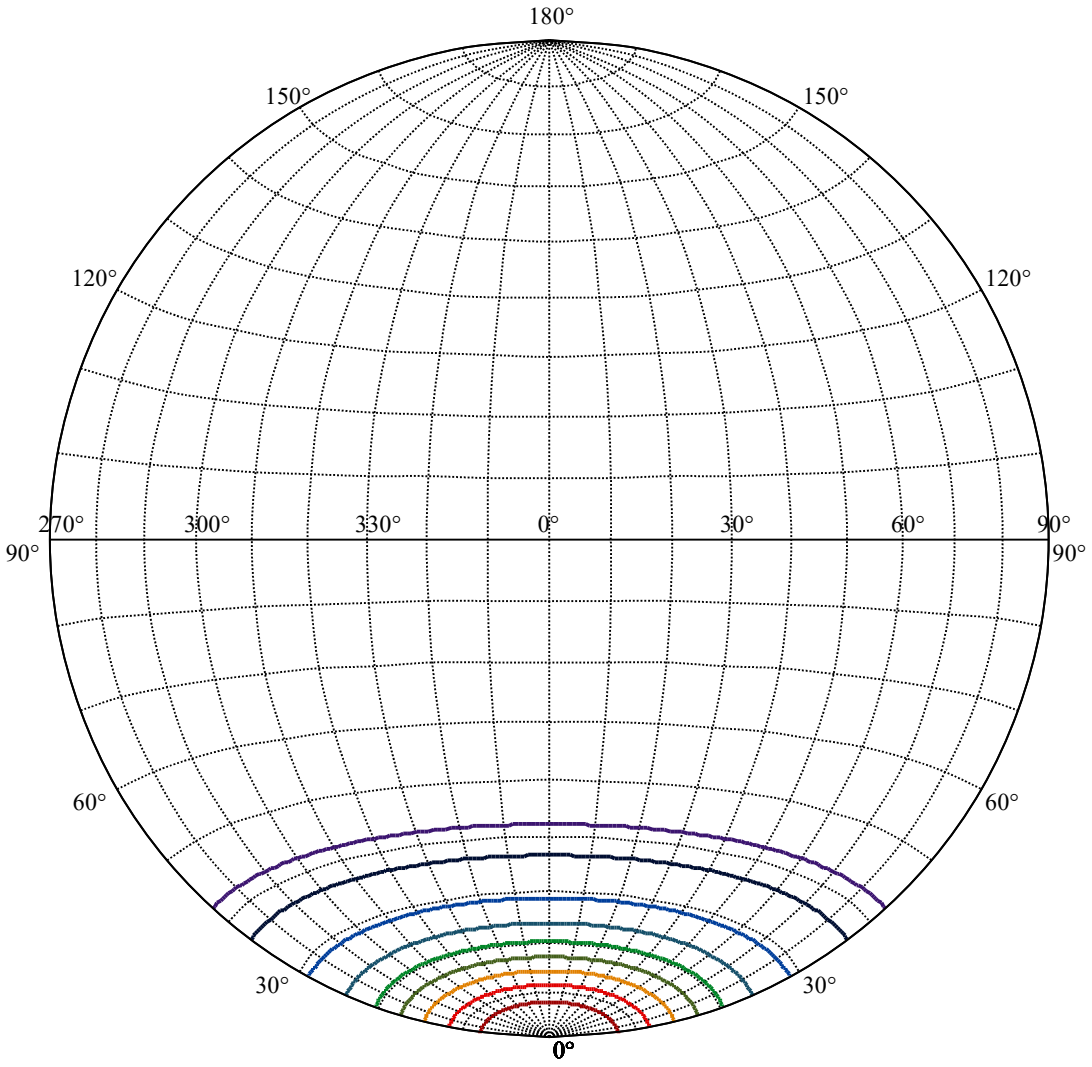
Max , Ave

Beam angle of C0 plane 40.83



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/12/10
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



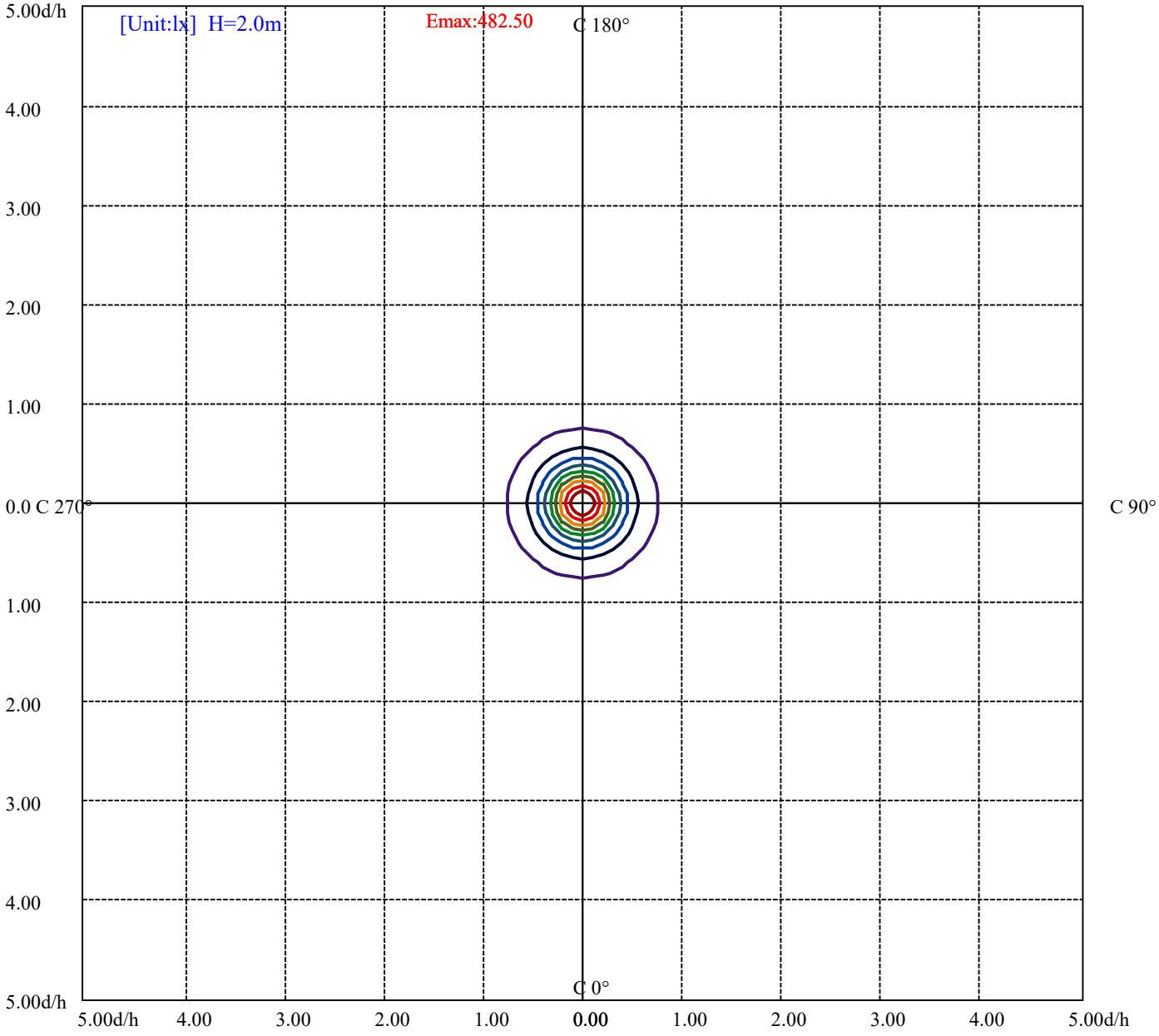
House [Unit:cd] Road

Imax:1930.00

(10%Imax) 193
(20%Imax) 386
(30%Imax) 579
(40%Imax) 772
(50%Imax) 965
(60%Imax) 1158
(70%Imax) 1351
(80%Imax) 1544
(90%Imax) 1737

NT Nata 1-1743-LM

ISO illuminance diagram

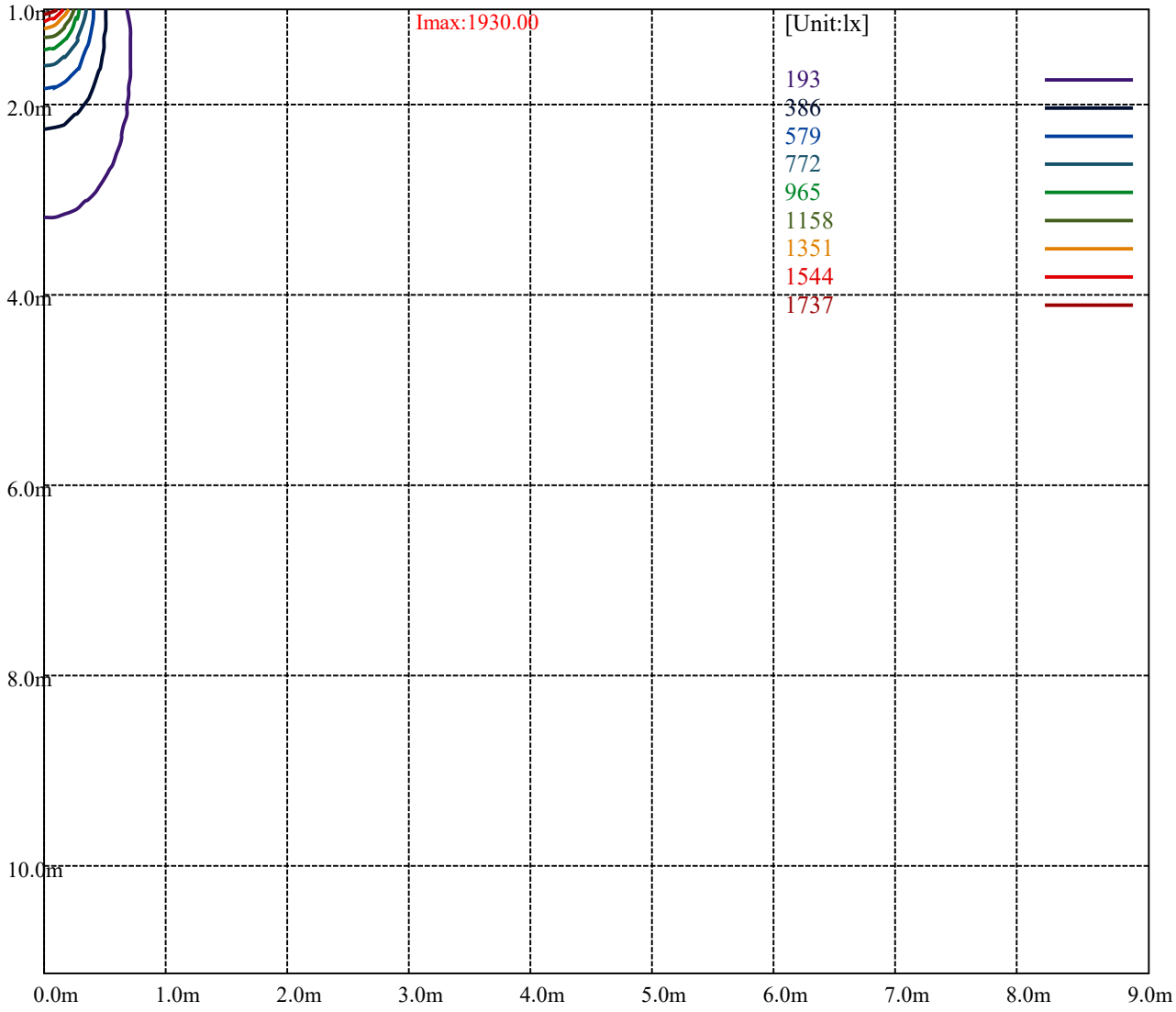


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/10
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/10
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 1-1743-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

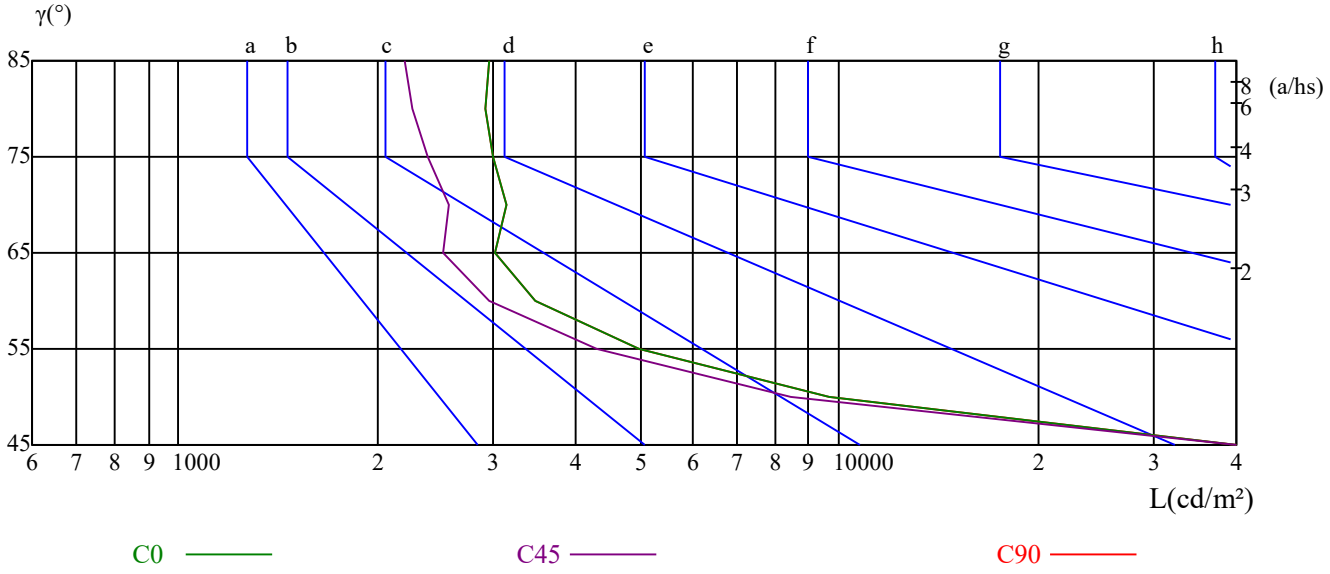
γ	45	50	55	60	65	70	75	80	85
C0	51274	9650	4984	3476	3017	3130	2990	2922	2963
C45	45660	8475	4312	2958	2521	2560	2386	2261	2206
C90	51274	9650	4984	3476	3017	3130	2990	2922	2963

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5748	5748	5748	7702	7702	7702	17261	17261	17261

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



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/10
Humidity(%): 60.0%

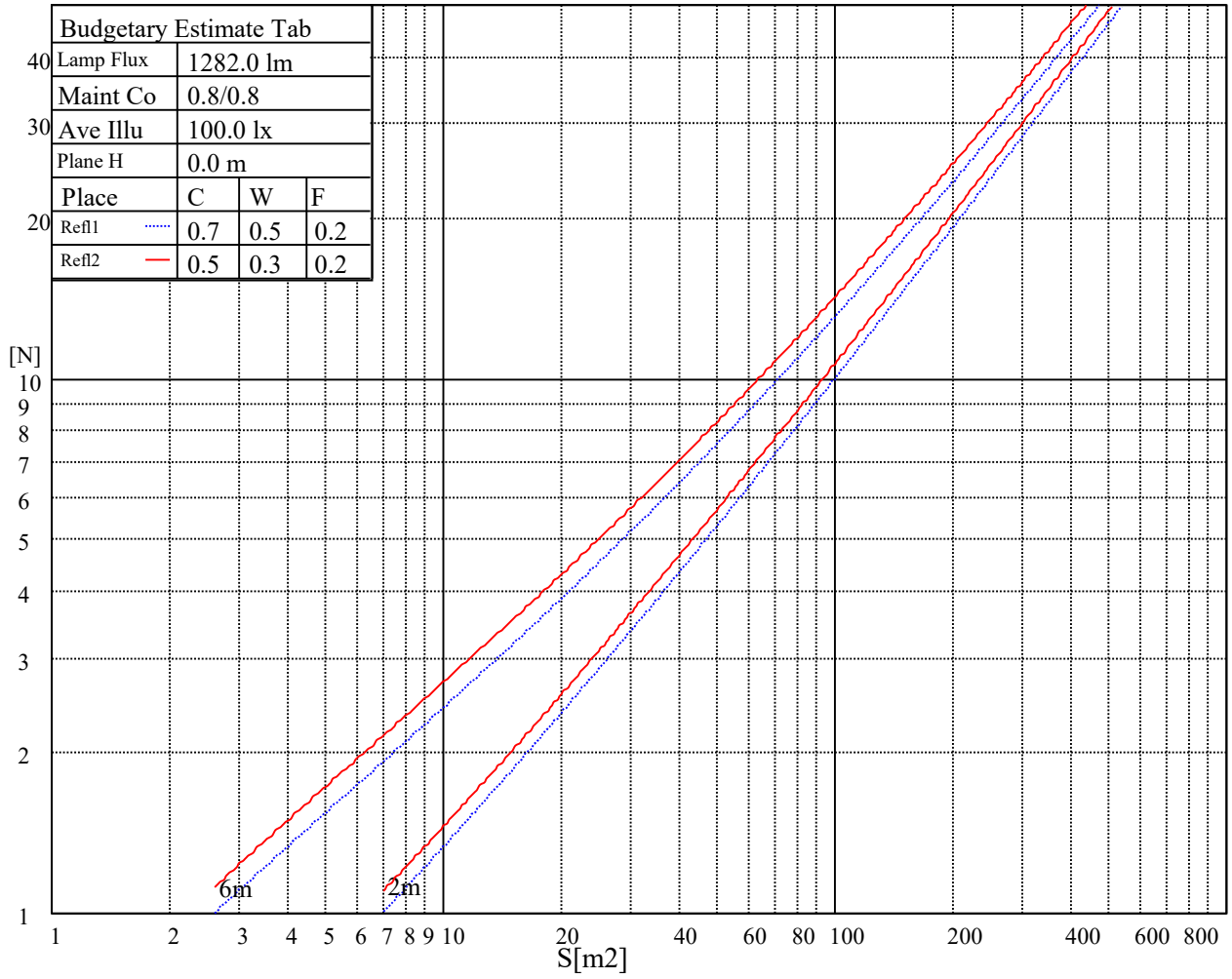
Operator: YZQ
Distance(m): 9.28

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	22.17	23.18	22.54	23.49	23.80	21.70	22.70	22.07	23.02	23.33
	3H	21.99	22.88	22.38	23.22	23.56	21.52	22.41	21.91	22.75	23.09
	4H	21.91	22.73	22.31	23.08	23.45	21.44	22.26	21.84	22.61	22.98
	6H	21.84	22.59	22.26	22.97	23.36	21.37	22.12	21.79	22.50	22.90
	8H	21.78	22.49	22.20	22.88	23.29	21.31	22.03	21.73	22.41	22.82
	12H	21.72	22.40	22.15	22.80	23.21	21.26	21.94	21.68	22.33	22.75
4H	2H	21.88	22.70	22.28	23.05	23.42	21.40	22.23	21.81	22.58	22.95
	3H	21.66	22.35	22.09	22.74	23.16	21.20	21.88	21.62	22.28	22.69
	4H	21.62	22.21	22.06	22.63	23.08	21.15	21.74	21.59	22.17	22.61
	6H	21.51	22.03	21.98	22.48	22.94	21.05	21.57	21.52	22.02	22.48
	8H	21.48	21.96	21.96	22.42	22.89	21.02	21.50	21.50	21.96	22.43
	12H	21.45	21.90	21.94	22.35	22.87	21.00	21.44	21.49	21.89	22.41
8H	4H	21.43	21.91	21.91	22.37	22.84	20.96	21.45	21.45	21.91	22.38
	6H	21.32	21.72	21.83	22.20	22.71	20.86	21.26	21.37	21.74	22.25
	8H	21.34	21.68	21.88	22.20	22.70	20.89	21.22	21.42	21.75	22.24
	12H	21.33	21.59	21.88	22.11	22.63	20.89	21.15	21.43	21.66	22.19
12H	4H	21.38	21.82	21.87	22.27	22.79	20.92	21.36	21.41	21.81	22.33
	6H	21.31	21.65	21.84	22.17	22.66	20.86	21.19	21.39	21.71	22.21
	8H	21.30	21.56	21.84	22.08	22.60	20.85	21.11	21.39	21.63	22.15

Variation with the observer position at spacings:		
S = 1.0H	3.6/-11.8	3.6/-11.8
S = 1.5H	6.3/-11.0	6.3/-11.0
S = 2.0H	8.2/-10.2	8.2/-10.2
Standard tables:	BK0	BK0
Uncorrected UGR	2.6	2.6

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/12/10 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.07	1.05	1.03	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	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	0.89	0.88	0.86	0.84
3	0.93	0.88	0.85	0.92	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.79
4	0.87	0.82	0.78	0.86	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.73
5	0.82	0.76	0.72	0.81	0.76	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.71	0.67	0.76	0.71	0.67	0.75	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.64
7	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.68	0.65	0.62	0.60
8	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.58	0.65	0.61	0.58	0.57
9	0.65	0.59	0.56	0.64	0.59	0.56	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.54
10	0.62	0.56	0.53	0.61	0.56	0.52	0.60	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.51

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	1929.14	1930.86	1935.17	1924.83	1912.78	1899.86	1867.99	1840.44	1712.98
45.0	1923.97	1928.28	1930.00	1926.55	1912.78	1905.89	1880.91	1843.88	1814.60
90.0	1930.00	1926.55	1922.25	1909.33	1893.83	1858.52	1828.38	1717.20	1717.20
135.0	1936.89	1934.31	1932.58	1923.97	1912.78	1890.38	1866.27	1835.27	1785.32
180.0	1929.14	1922.25	1912.78	1897.27	1876.61	1848.19	1811.16	1771.54	1716.43
225.0	1923.97	1917.08	1897.27	1875.74	1846.46	1801.68	1717.80	1707.21	1653.47
270.0	1930.00	1929.14	1927.42	1909.33	1894.69	1870.58	1841.30	1797.38	1756.90
315.0	1936.89	1930.86	1920.53	1905.89	1888.66	1862.83	1822.35	1714.36	1714.36
360.0	1929.14	1930.86	1935.17	1924.83	1912.78	1899.86	1867.99	1840.44	1712.98

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1712.98	1688.78	1638.49	1561.15	1502.68	1440.16	1360.76	1296.43	1229.94
45.0	1771.54	1728.48	1675.95	1608.78	1549.36	1485.63	1403.82	1337.50	1254.83
90.0	1677.07	1625.66	1555.99	1491.14	1428.27	1346.12	1279.63	1215.13	1151.49
135.0	1743.12	1694.90	1639.78	1568.30	1509.74	1449.46	1387.45	1308.22	1242.77
180.0	1659.59	1604.47	1549.36	1475.29	1415.87	1353.01	1291.00	1217.80	1158.38
225.0	1596.12	1521.54	1464.79	1404.85	1346.55	1266.37	1208.24	1147.27	1073.98
270.0	1712.12	1645.81	1588.97	1514.05	1451.18	1389.18	1324.59	1245.36	1185.08
315.0	1673.62	1608.09	1554.01	1495.19	1417.68	1352.66	1275.07	1209.27	1142.96
360.0	1712.98	1688.78	1638.49	1561.15	1502.68	1440.16	1360.76	1296.43	1229.94

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1148.65	1087.68	1028.08	970.30	903.64	852.92	801.25	755.69	701.78
45.0	1185.94	1123.07	1046.42	987.00	930.16	875.05	813.04	762.23	716.59
90.0	1071.23	1010.94	954.45	899.16	833.63	784.45	737.69	685.93	648.21
135.0	1179.91	1104.99	1045.56	991.31	924.14	875.91	829.41	775.15	733.81
180.0	1098.10	1029.20	976.67	925.86	863.85	815.63	772.57	719.17	681.28
225.0	1018.52	964.61	901.32	851.71	806.93	748.54	704.28	665.26	630.82
270.0	1119.63	1058.48	987.00	931.03	879.35	831.13	768.26	721.76	670.09
315.0	1064.68	1007.07	950.06	899.59	836.98	789.45	743.20	700.23	660.36
360.0	1148.65	1087.68	1028.08	970.30	903.64	852.92	801.25	755.69	701.78

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	663.46	629.53	591.55	565.37	533.33	511.46	486.91	463.66	438.69
45.0	675.25	625.31	592.58	562.44	528.85	504.74	479.77	451.35	435.85
90.0	602.74	572.52	545.30	518.95	490.44	467.71	447.13	426.20	402.43
135.0	694.20	657.17	614.97	585.69	559.86	535.74	501.30	478.04	452.21
180.0	645.11	613.25	577.08	550.38	524.55	497.85	469.43	449.62	435.85
225.0	596.63	569.67	545.56	522.91	493.29	473.39	453.16	431.19	409.92
270.0	633.06	598.61	561.58	532.30	507.32	484.07	455.65	434.12	434.12
315.0	615.66	585.69	551.33	528.77	507.41	479.77	461.34	444.03	418.88
360.0	663.46	629.53	591.55	565.37	533.33	511.46	486.91	463.66	438.69

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	419.74	393.73	367.47	328.37	297.02	264.30	230.97	191.44	158.72
45.0	435.85	385.12	360.15	335.43	305.81	267.23	236.31	205.22	173.96
90.0	381.42	355.67	320.79	291.42	261.02	221.32	189.80	150.88	120.91
135.0	435.85	435.85	365.31	336.12	302.79	258.61	227.78	193.25	161.21
180.0	435.85	363.85	334.14	292.37	258.36	215.47	183.69	150.53	119.70
225.0	377.20	349.12	317.60	275.32	239.15	204.27	169.31	128.66	98.52
270.0	411.30	363.59	336.46	308.99	278.33	239.15	206.00	167.93	137.53
315.0	393.99	365.23	335.00	294.70	261.20	228.47	193.25	153.46	122.46
360.0	419.74	393.73	367.47	328.37	297.02	264.30	230.97	191.44	158.72

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	127.63	90.77	64.59	38.84	26.27	19.03	16.53	14.64	12.83
45.0	134.95	104.55	78.02	51.84	34.96	22.13	18.17	16.19	13.78
90.0	93.61	68.81	43.75	31.26	23.60	20.67	18.34	15.76	13.78
135.0	122.20	93.44	68.38	46.25	30.31	19.46	16.97	14.30	12.40
180.0	84.22	59.34	39.53	26.01	17.31	15.50	13.69	11.88	9.90
225.0	71.99	51.15	31.09	21.87	18.08	15.93	14.21	12.40	10.59
270.0	107.91	76.56	55.20	38.15	25.40	20.58	18.60	16.53	14.21
315.0	92.84	62.69	41.77	25.32	19.55	17.74	15.16	13.26	11.45
360.0	127.63	90.77	64.59	38.84	26.27	19.03	16.53	14.64	12.83

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.11	9.30	8.18	7.41	6.89	6.46	6.29	5.94	5.60
45.0	12.06	10.42	9.04	8.01	7.15	6.72	6.46	6.03	5.68
90.0	12.06	10.16	8.78	7.75	7.06	6.54	6.11	5.86	5.68
135.0	10.33	8.96	7.84	6.98	6.37	6.11	5.86	5.60	5.34
180.0	8.61	7.41	6.63	6.29	5.94	5.68	5.43	5.34	5.17
225.0	9.30	8.27	7.32	6.89	6.54	6.29	6.03	5.68	5.43
270.0	12.49	10.94	9.56	8.35	7.58	6.98	6.46	6.11	5.86
315.0	9.99	8.78	7.58	7.23	6.80	6.37	6.11	5.77	5.43
360.0	11.11	9.30	8.18	7.41	6.89	6.46	6.29	5.94	5.60

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.43	5.17	4.91	4.82	4.65	4.74	4.65	4.74	4.65
45.0	5.51	5.17	4.99	4.82	4.74	4.56	4.56	4.56	4.65
90.0	5.51	5.17	4.99	4.91	4.74	4.74	4.74	4.74	4.65
135.0	5.08	4.99	4.82	4.74	4.56	4.56	4.56	4.56	4.65
180.0	4.99	4.82	4.74	4.65	4.74	4.82	4.91	4.99	4.99
225.0	5.25	4.99	4.91	4.82	4.82	4.74	4.74	4.82	4.74
270.0	5.60	5.34	5.17	4.91	4.74	4.65	4.65	4.56	4.56
315.0	5.25	4.99	4.82	4.65	4.56	4.48	4.48	4.48	4.56
360.0	5.43	5.17	4.91	4.82	4.65	4.74	4.65	4.74	4.65

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.74	4.74	4.48	4.22	3.96	3.79	3.70	3.70	3.62
45.0	4.65	4.74	4.48	4.22	3.96	3.62	3.53	3.53	3.44
90.0	4.56	4.39	4.05	3.88	3.79	3.70	3.70	3.62	3.53
135.0	4.65	4.65	4.48	4.22	3.88	3.70	3.62	3.62	3.44
180.0	4.91	4.82	4.39	4.13	3.96	3.88	3.79	3.70	3.70
225.0	4.65	4.39	4.13	3.88	3.88	3.79	3.70	3.53	3.53
270.0	4.56	4.48	4.31	4.05	3.70	3.62	3.53	3.44	3.44
315.0	4.56	4.39	4.05	3.70	3.53	3.36	3.36	3.27	3.19
360.0	4.74	4.74	4.48	4.22	3.96	3.79	3.70	3.70	3.62

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.53	3.36	3.36	3.27	3.19	3.10	2.93	2.76	2.67
45.0	3.44	3.36	3.19	3.10	3.01	2.93	2.84	2.67	2.50
90.0	3.44	3.36	3.27	3.10	3.01	2.84	2.84	2.50	2.41
135.0	3.36	3.27	3.19	3.10	3.10	2.93	2.84	2.76	2.58
180.0	3.62	3.44	3.44	3.44	3.27	3.19	3.01	2.58	2.41
225.0	3.36	3.36	3.27	3.19	3.01	2.84	2.67	2.41	2.33
270.0	3.36	3.27	3.19	3.10	3.01	2.76	2.58	2.50	2.33
315.0	3.01	3.01	3.01	2.84	2.76	2.67	2.58	2.50	2.50
360.0	3.53	3.36	3.36	3.27	3.19	3.10	2.93	2.76	2.67

Intensity data(cd)

C/γ(°)	90.0
0.0	2.58
45.0	2.41
90.0	2.41
135.0	2.33
180.0	2.41
225.0	2.41
270.0	2.33
315.0	2.41
360.0	2.58