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NT

Client:
LumCAT: 1-1380-L
Luminaire: 92.70.410.00
Report No: 20231106-B012
Ballast type: AC

Test No: 20231106-C012	Voltage(V): 35.100
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.246
Lamp flux(lm): 1385.0	Power (W): 8.641
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1296.34, Efficiency(%): 93.60% , Luminous Efficacy(lm/W): 150.02
Central intensity(cd): 1898.628, Maximum intensity(cd): 1898.628
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=52.0
[C90/270]Total=52.0
Field angle(10%Imax): [C0/180]Total=71.0
[C90/270]Total=71.0
Beam angle of C0 plane : 51.98
Aveage BeamAngle(IEC 61341):51.98
Maximum s/h(1/2): C0_180=0.85 C90_270=0.85
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(%): 93.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.115%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1898.628	0.000	0	0.00%	0.00%
1.0	1891.986	1.814	1.814	0.13%	0.14%
2.0	1879.116	5.413	7.226	0.39%	0.56%
3.0	1873.512	8.975	16.201	0.65%	1.25%
4.0	1868.668	12.526	28.728	0.90%	2.22%
5.0	1860.711	16.044	44.771	1.16%	3.45%
6.0	1847.357	19.487	64.258	1.41%	4.96%
7.0	1831.028	22.832	87.09	1.65%	6.72%
8.0	1813.730	26.085	113.175	1.88%	8.73%
9.0	1792.765	29.229	142.403	2.11%	10.99%
10.0	1771.315	32.254	174.657	2.33%	13.47%
11.0	1749.589	35.181	209.838	2.54%	16.19%
12.0	1727.032	38.004	247.843	2.74%	19.12%
13.0	1704.337	40.722	288.564	2.94%	22.26%
14.0	1680.743	43.329	331.893	3.13%	25.60%
15.0	1653.896	45.779	377.672	3.31%	29.13%
16.0	1624.974	48.045	425.717	3.47%	32.84%
17.0	1591.693	50.092	475.809	3.62%	36.70%
18.0	1555.021	51.882	527.692	3.75%	40.71%
19.0	1505.134	53.240	580.932	3.84%	44.81%
20.0	1446.113	54.016	634.948	3.90%	48.98%
21.0	1383.978	54.343	689.292	3.92%	53.17%
22.0	1288.341	53.701	742.993	3.88%	57.31%
23.0	1211.891	52.462	795.455	3.79%	61.36%
24.0	1130.549	51.214	846.669	3.70%	65.31%
25.0	1047.705	49.529	896.197	3.58%	69.13%
26.0	948.436	47.119	943.317	3.40%	72.77%
27.0	841.382	43.788	987.105	3.16%	76.15%
28.0	725.873	39.680	1026.784	2.86%	79.21%
29.0	628.028	35.422	1062.206	2.56%	81.94%
30.0	527.195	31.191	1093.397	2.25%	84.35%
31.0	443.583	27.015	1120.412	1.95%	86.43%
32.0	363.978	23.136	1143.548	1.67%	88.21%
33.0	300.376	19.572	1163.12	1.41%	89.72%
34.0	254.080	16.779	1179.9	1.21%	91.02%
35.0	217.415	14.643	1194.542	1.06%	92.15%
36.0	160.505	12.033	1206.576	0.87%	93.08%
37.0	127.888	9.406	1215.981	0.68%	93.80%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	98.308	7.550	1223.531	0.55%	94.38%
39.0	79.322	6.063	1229.594	0.44%	94.85%
40.0	64.522	5.017	1234.611	0.36%	95.24%
41.0	53.610	4.207	1238.818	0.30%	95.56%
42.0	44.657	3.570	1242.388	0.26%	95.84%
43.0	38.132	3.067	1245.455	0.22%	96.07%
44.0	32.942	2.683	1248.137	0.19%	96.28%
45.0	28.673	2.368	1250.505	0.17%	96.46%
46.0	25.670	2.125	1252.63	0.15%	96.63%
47.0	23.159	1.942	1254.572	0.14%	96.78%
48.0	21.048	1.787	1256.359	0.13%	96.92%
49.0	19.318	1.658	1258.017	0.12%	97.04%
50.0	17.872	1.551	1259.568	0.11%	97.16%
51.0	16.758	1.465	1261.033	0.11%	97.28%
52.0	15.741	1.395	1262.428	0.10%	97.38%
53.0	14.814	1.329	1263.757	0.10%	97.49%
54.0	14.101	1.274	1265.031	0.09%	97.59%
55.0	13.451	1.230	1266.261	0.09%	97.68%
56.0	12.890	1.190	1267.451	0.09%	97.77%
57.0	12.378	1.155	1268.607	0.08%	97.86%
58.0	11.936	1.124	1269.731	0.08%	97.95%
59.0	11.541	1.098	1270.829	0.08%	98.03%
60.0	11.181	1.073	1271.902	0.08%	98.12%
61.0	10.842	1.051	1272.953	0.08%	98.20%
62.0	10.503	1.029	1273.982	0.07%	98.28%
63.0	10.247	1.009	1274.991	0.07%	98.35%
64.0	9.977	0.992	1275.983	0.07%	98.43%
65.0	9.721	0.975	1276.958	0.07%	98.51%
66.0	9.500	0.959	1277.917	0.07%	98.58%
67.0	9.272	0.944	1278.861	0.07%	98.65%
68.0	9.071	0.929	1279.79	0.07%	98.72%
69.0	8.870	0.915	1280.706	0.07%	98.79%
70.0	8.649	0.900	1281.605	0.06%	98.86%
71.0	8.462	0.884	1282.49	0.06%	98.93%
72.0	8.262	0.870	1283.359	0.06%	99.00%
73.0	8.054	0.853	1284.213	0.06%	99.06%
74.0	7.867	0.837	1285.05	0.06%	99.13%
75.0	7.680	0.821	1285.871	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.487	0.805	1286.676	0.06%	99.25%
77.0	7.293	0.788	1287.464	0.06%	99.32%
78.0	7.106	0.771	1288.235	0.06%	99.38%
79.0	6.933	0.754	1288.989	0.05%	99.43%
80.0	6.767	0.739	1289.728	0.05%	99.49%
81.0	6.601	0.723	1290.451	0.05%	99.55%
82.0	6.463	0.708	1291.159	0.05%	99.60%
83.0	6.338	0.696	1291.855	0.05%	99.65%
84.0	6.172	0.682	1292.536	0.05%	99.71%
85.0	6.013	0.665	1293.201	0.05%	99.76%
86.0	5.895	0.651	1293.852	0.05%	99.81%
87.0	5.764	0.638	1294.49	0.05%	99.86%
88.0	5.646	0.625	1295.115	0.05%	99.91%
89.0	5.563	0.614	1295.73	0.04%	99.95%
90.0	5.508	0.607	1296.337	0.04%	100.00%

Zonal flux distribution table

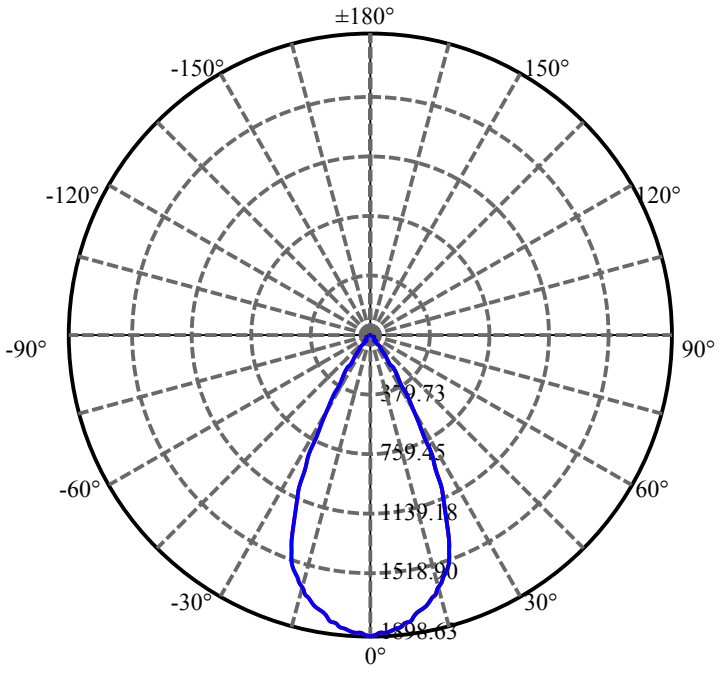
ZONAL LUMEN SUMMARY

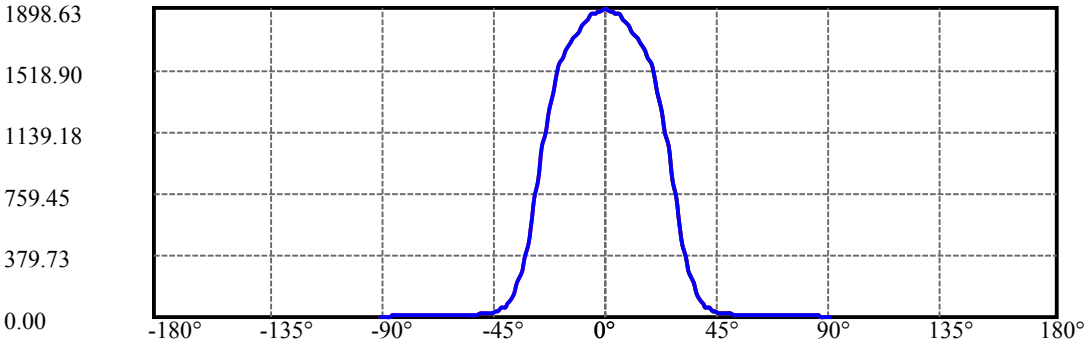
Zone	Lumens	%Lamp	%Fixt
0-30	1093.40	78.94%	84.35%
0-40	1234.61	89.14%	95.24%
0-60	1271.90	91.83%	98.12%
0-90	1295.73	93.55%	99.95%
0-120	1295.73	93.55%	99.95%
0-180	1296.34	93.60%	100.00%
60-90	23.83	1.72%	1.84%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.29	1037.07	74.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	174.66
10-20	460.29
20-30	458.45
30-40	141.21
40-50	24.96
50-60	12.33
60-70	9.70
70-80	8.12
80-90	6.00
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):

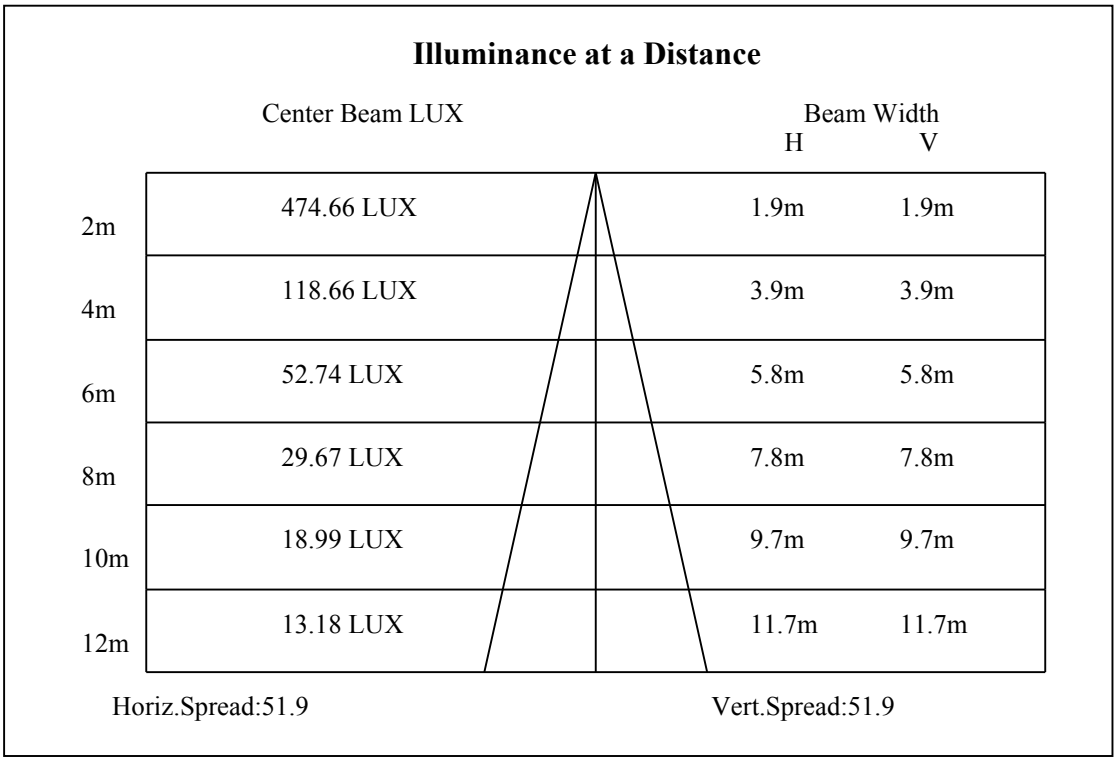
C0/C180:

C90/C270:

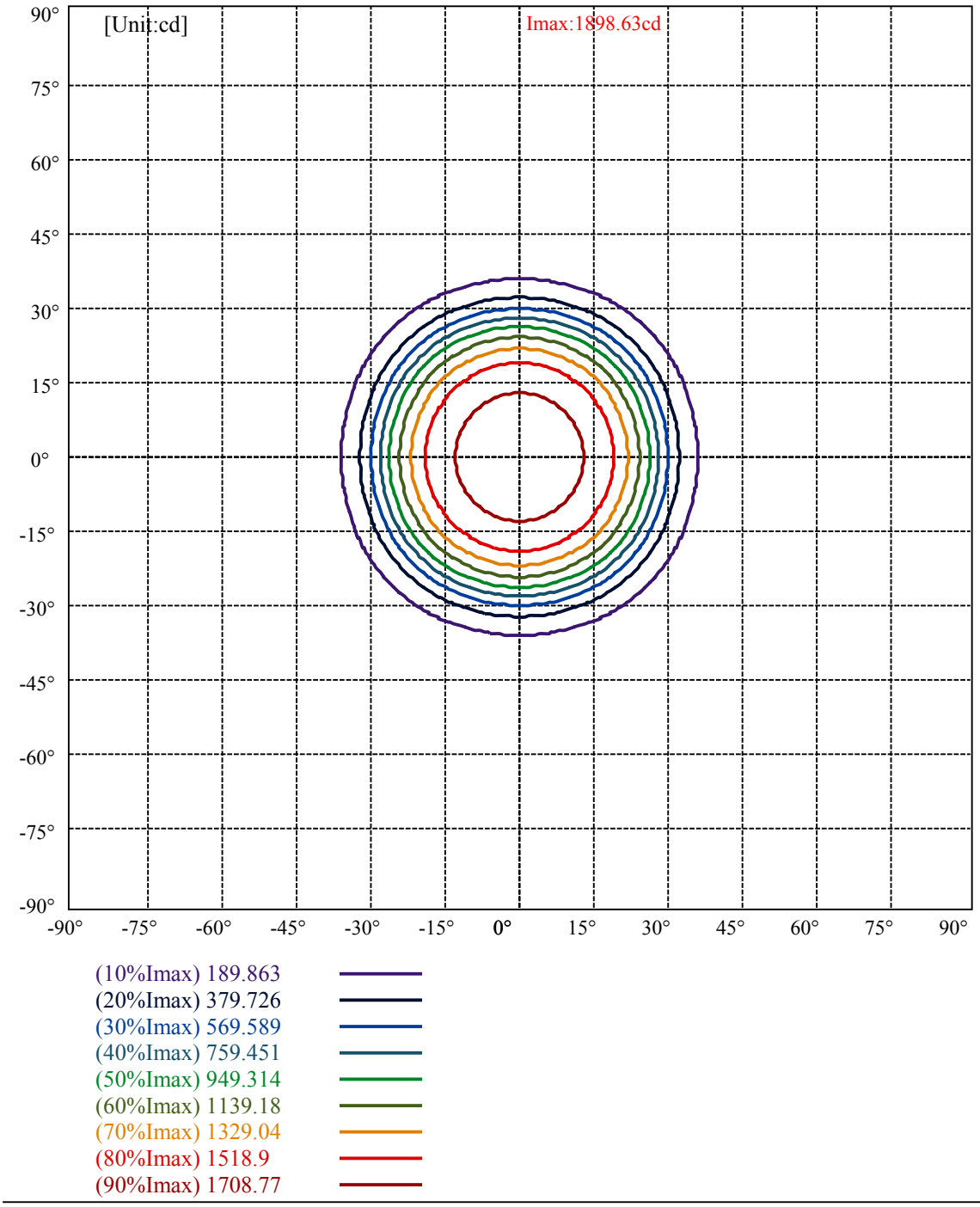
Field angle(10%Imax):C0/180Left:35.5 Right:35.5
:C90/270Left:35.5 Right:35.5

Beam Angle(50%Imax):C0/180Left:26.0 Right:26.0
:C90/270Left:26.0 Right:26.0

Lux distance Curve



ISO-Intensity(V-H)

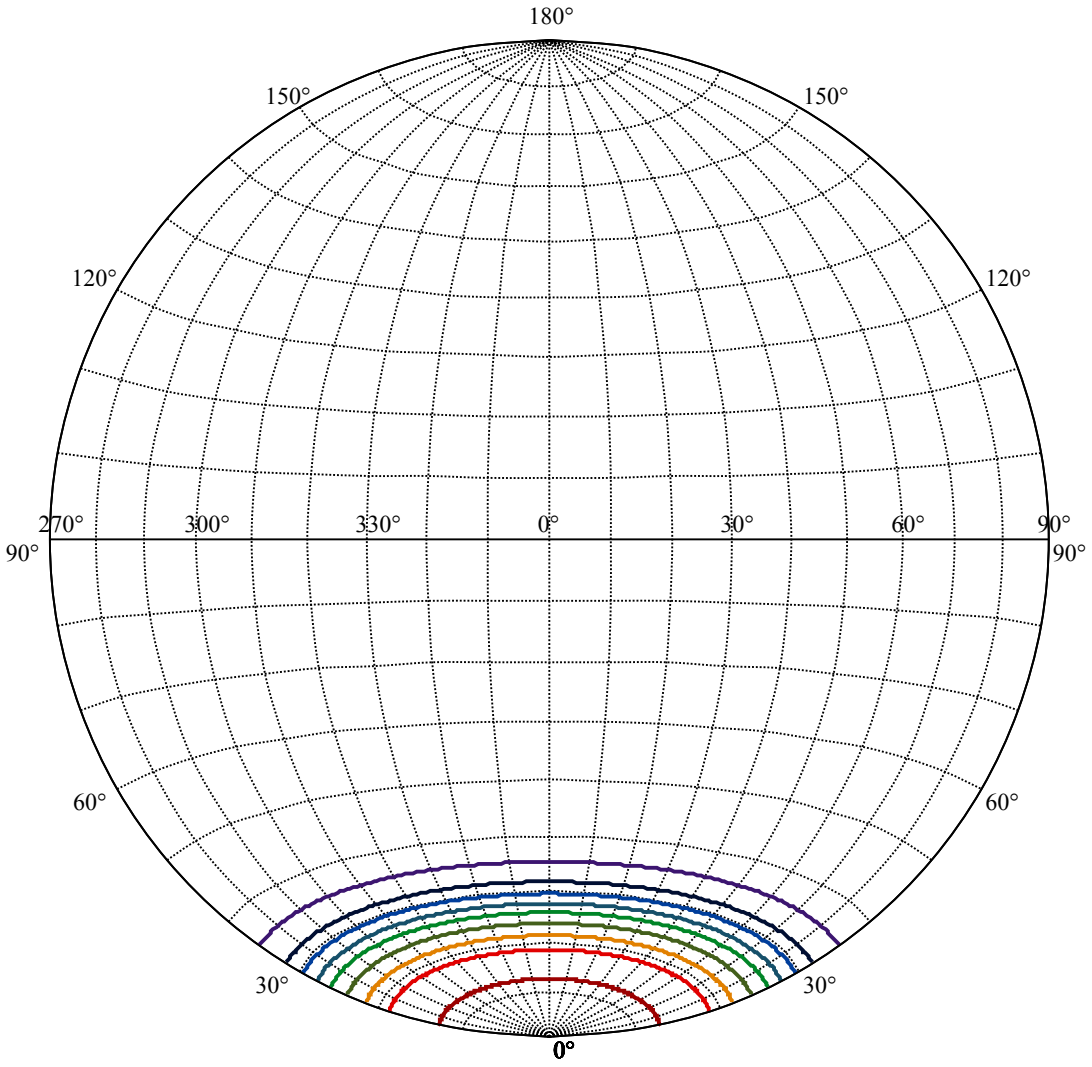


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/06
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

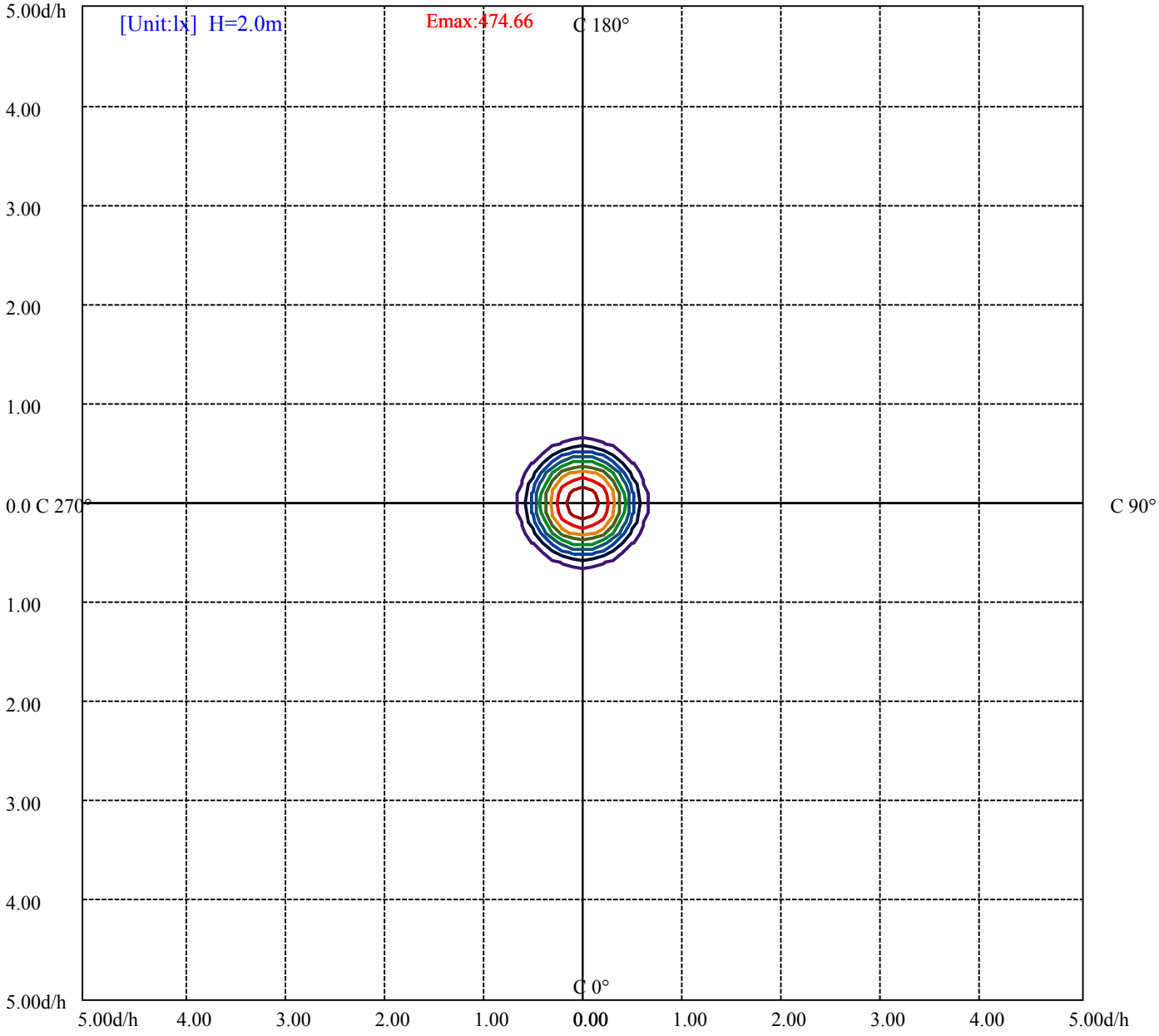
Imax:1898.63

(10%Imax) 189.863
(20%Imax) 379.726
(30%Imax) 569.589
(40%Imax) 759.451
(50%Imax) 949.314
(60%Imax) 1139.18
(70%Imax) 1329.04
(80%Imax) 1518.9
(90%Imax) 1708.77

Equipment: GMS1980 Date: 2023/11/06 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1380-L

ISO illuminance diagram

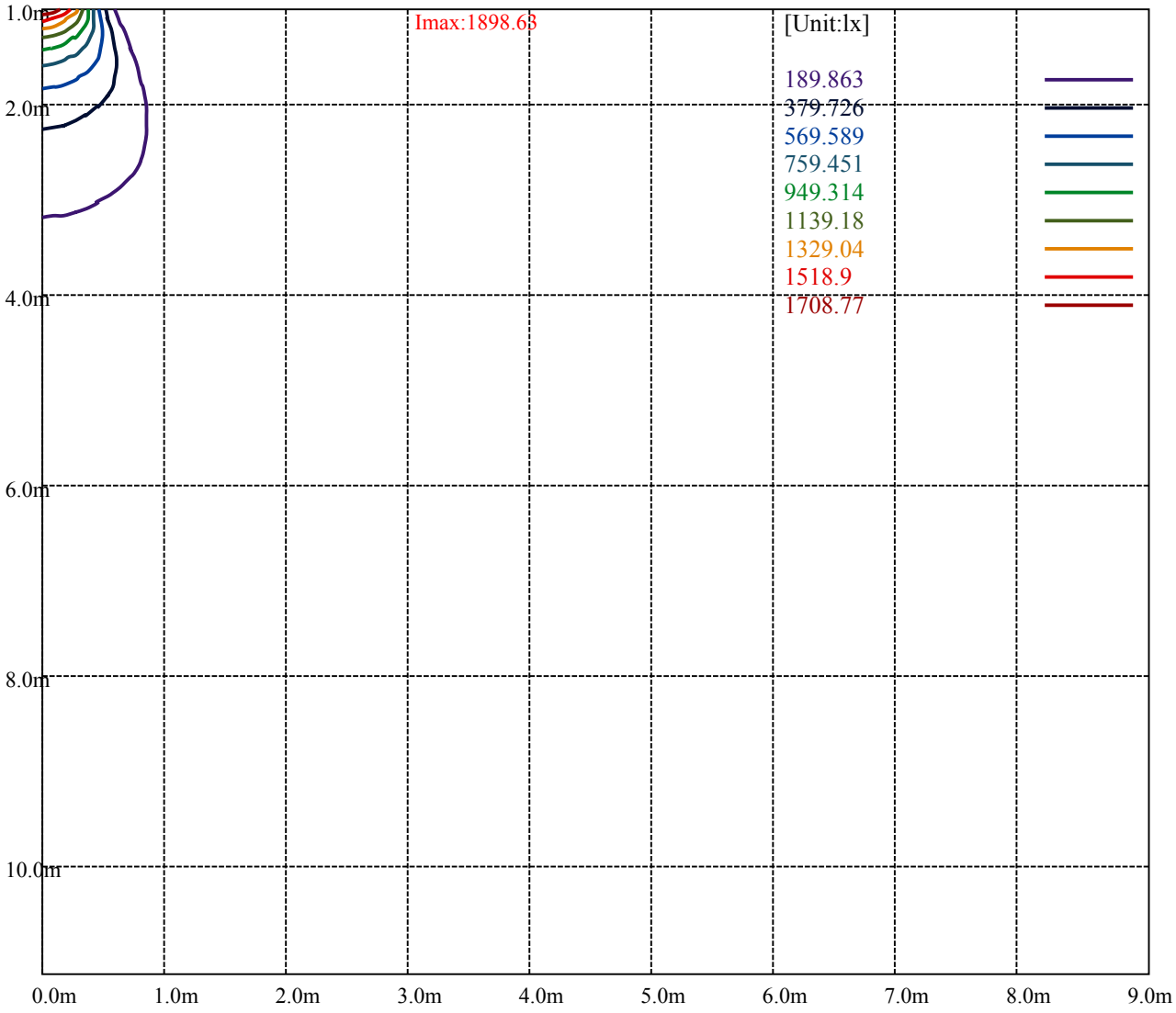


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/06
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/06
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

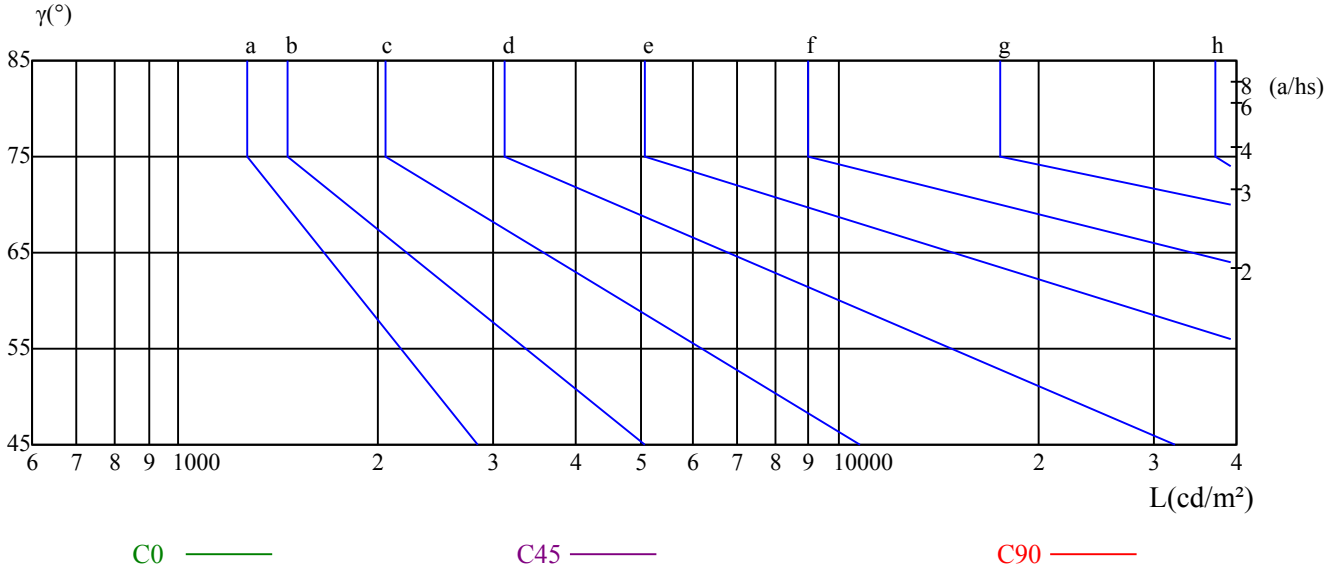
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

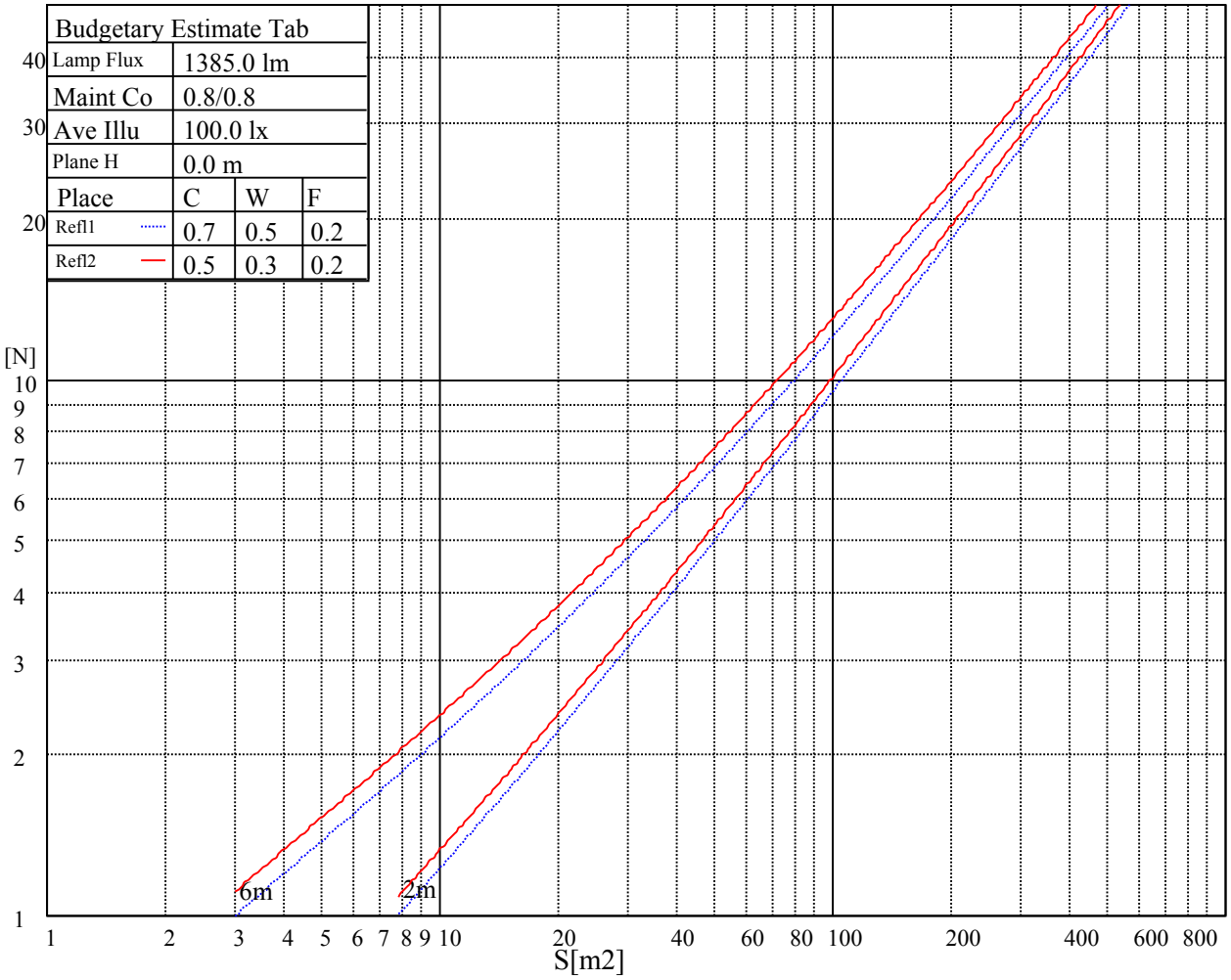
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

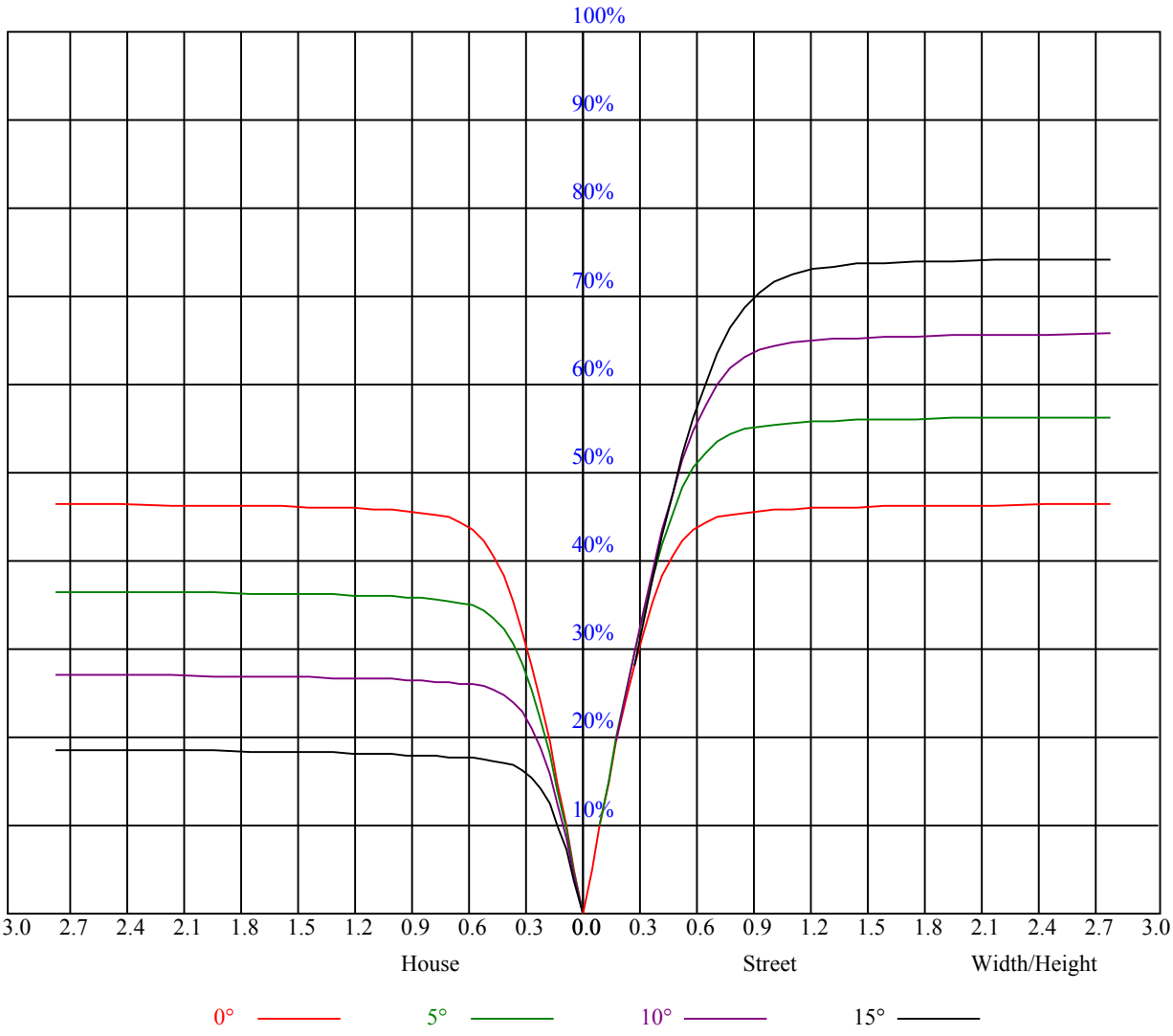


Equipment: GMS1980 Date: 2023/11/06 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.96	0.92	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.83	0.88	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.65
7	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.54	0.61	0.57	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/06
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

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	1878.15	1863.20	1863.76	1858.22	1842.17	1828.88	1810.62	1787.92	1760.80
45.0	1908.59	1893.65	1872.61	1866.52	1863.76	1849.36	1829.99	1806.74	1786.81
90.0	1898.63	1878.70	1882.58	1872.06	1862.10	1851.02	1826.12	1811.17	1786.81
135.0	1909.15	1900.29	1879.25	1889.77	1893.09	1880.92	1868.18	1857.67	1840.51
180.0	1878.15	1908.04	1905.27	1888.66	1882.58	1884.79	1882.58	1870.95	1862.65
225.0	1908.59	1903.61	1877.59	1876.49	1878.15	1868.74	1860.99	1855.45	1839.40
270.0	1898.63	1909.15	1889.77	1869.29	1868.74	1876.49	1867.08	1841.06	1833.31
315.0	1909.15	1879.25	1862.10	1867.08	1858.77	1845.49	1833.31	1817.26	1799.55
360.0	1878.15	1863.20	1863.76	1858.22	1842.17	1828.88	1810.62	1787.92	1760.80

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1732.57	1714.85	1694.93	1676.11	1652.86	1632.38	1608.58	1578.13	1529.42
45.0	1759.14	1733.67	1716.52	1692.71	1672.23	1650.64	1628.50	1601.38	1572.04
90.0	1762.46	1735.89	1715.96	1683.30	1652.86	1623.52	1590.86	1561.53	1526.10
135.0	1816.71	1794.56	1771.32	1753.05	1728.69	1700.46	1674.45	1641.23	1616.33
180.0	1848.81	1834.97	1815.04	1791.24	1770.76	1746.41	1733.12	1716.52	1687.18
225.0	1822.79	1801.21	1786.26	1766.89	1746.96	1719.84	1689.39	1659.50	1629.06
270.0	1825.56	1806.19	1773.53	1746.41	1725.93	1709.32	1676.66	1644.00	1607.47
315.0	1774.08	1749.17	1723.16	1706.55	1684.41	1663.38	1629.61	1597.50	1565.95
360.0	1732.57	1714.85	1694.93	1676.11	1652.86	1632.38	1608.58	1578.13	1529.42

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1484.58	1412.62	1348.41	1280.33	1101.20	1101.20	1013.58	917.38	792.11
45.0	1536.06	1490.12	1426.46	1371.66	1310.77	1222.76	1141.94	1052.83	931.60
90.0	1485.14	1419.27	1357.82	1288.08	1096.22	1096.22	1006.27	917.76	820.89
135.0	1579.24	1537.17	1471.30	1408.75	1341.22	1267.60	1165.19	1079.95	985.29
180.0	1662.82	1627.40	1588.09	1528.31	1470.19	1407.09	1336.24	1237.15	1159.10
225.0	1595.84	1540.49	1485.69	1427.57	1344.54	1208.37	1085.59	1061.52	964.48
270.0	1564.29	1526.10	1475.73	1415.39	1361.15	1295.83	1199.51	1108.73	1021.27
315.0	1532.19	1487.90	1415.39	1351.73	1281.44	1096.06	1096.06	1006.33	912.73
360.0	1484.58	1412.62	1348.41	1280.33	1101.20	1101.20	1013.58	917.38	792.11

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	689.93	595.38	507.04	409.56	341.37	280.75	227.84	173.75	138.88
45.0	826.98	696.35	601.14	516.45	438.95	349.28	286.73	286.73	221.41
90.0	692.53	595.72	503.99	406.41	355.59	267.47	218.20	176.25	142.04
135.0	881.78	750.04	647.08	534.16	453.35	380.28	302.23	287.84	287.84
180.0	1068.32	948.21	843.59	712.95	615.53	527.52	446.70	355.92	292.27
225.0	862.46	734.15	631.58	535.77	428.27	354.87	291.10	237.80	183.55
270.0	922.19	801.52	700.78	603.35	512.02	413.49	347.07	290.61	290.61
315.0	786.85	685.61	589.02	498.90	403.58	338.16	283.13	223.74	182.72
360.0	689.93	595.38	507.04	409.56	341.37	280.75	227.84	173.75	138.88

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	105.06	84.91	69.63	55.80	47.60	41.29	36.09	31.00	27.73
45.0	140.32	112.70	91.61	75.28	60.34	51.31	42.40	36.81	32.11
90.0	109.32	89.45	73.29	57.84	48.49	41.18	35.43	30.89	26.51
135.0	150.73	121.22	97.75	79.38	62.99	53.19	45.67	39.69	34.71
180.0	292.27	223.46	140.16	112.31	90.61	73.84	58.07	48.88	41.68
225.0	148.74	121.11	99.36	77.99	64.60	54.41	44.39	37.97	31.83
270.0	188.81	155.93	121.94	99.91	81.59	63.49	52.81	44.62	38.14
315.0	148.79	114.31	92.72	76.06	59.95	50.15	42.40	35.20	30.83
360.0	105.06	84.91	69.63	55.80	47.60	41.29	36.09	31.00	27.73

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	25.02	22.69	20.43	18.93	17.66	16.38	15.50	14.78	13.95
45.0	27.73	25.02	22.69	20.87	18.93	17.66	16.66	15.72	14.72
90.0	23.80	21.20	19.54	18.10	16.72	15.78	15.00	14.23	13.45
135.0	29.84	26.68	23.58	21.64	19.98	18.32	17.21	16.27	15.22
180.0	35.32	31.22	27.90	24.52	22.42	20.15	18.71	17.44	16.44
225.0	28.12	25.30	22.92	20.59	19.04	17.77	16.66	15.50	14.67
270.0	32.22	28.56	25.74	23.41	21.03	19.43	18.10	16.66	15.67
315.0	27.34	24.69	22.47	20.31	18.76	17.49	16.22	15.33	14.39
360.0	25.02	22.69	20.43	18.93	17.66	16.38	15.50	14.78	13.95

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.34	12.73	12.29	11.85	11.51	11.02	10.74	10.46	10.19
45.0	14.06	13.45	12.90	12.34	11.90	11.46	11.13	10.79	10.41
90.0	12.95	12.51	11.96	11.62	11.24	10.90	10.57	10.35	10.07
135.0	14.50	13.89	13.34	12.73	12.29	11.90	11.51	11.07	10.74
180.0	15.33	14.56	13.89	13.34	12.73	12.29	11.85	11.46	11.02
225.0	14.06	13.28	12.73	12.29	11.79	11.46	11.07	10.74	10.41
270.0	14.83	13.95	13.34	12.68	12.23	11.85	11.46	11.07	10.74
315.0	13.73	13.23	12.68	12.18	11.79	11.46	11.13	10.79	10.46
360.0	13.34	12.73	12.29	11.85	11.51	11.02	10.74	10.46	10.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.91	9.69	9.47	9.24	9.02	8.80	8.58	8.41	8.19
45.0	10.19	9.91	9.69	9.47	9.24	9.08	8.86	8.64	8.47
90.0	9.85	9.63	9.35	9.19	8.97	8.80	8.64	8.41	8.25
135.0	10.52	10.19	9.96	9.69	9.47	9.30	9.08	8.80	8.64
180.0	10.68	10.35	10.07	9.85	9.58	9.35	9.13	8.91	8.69
225.0	10.19	9.91	9.63	9.41	9.24	8.97	8.80	8.64	8.41
270.0	10.46	10.19	9.91	9.69	9.47	9.24	9.02	8.80	8.64
315.0	10.19	9.96	9.69	9.47	9.19	9.02	8.86	8.58	8.41
360.0	9.91	9.69	9.47	9.24	9.02	8.80	8.58	8.41	8.19

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.97	7.80	7.64	7.42	7.20	7.03	6.86	6.70	6.53
45.0	8.25	8.03	7.86	7.64	7.47	7.31	7.09	6.92	6.70
90.0	8.08	7.86	7.69	7.53	7.31	7.14	6.97	6.75	6.64
135.0	8.47	8.25	8.03	7.86	7.64	7.42	7.25	7.09	6.92
180.0	8.52	8.30	8.14	7.92	7.75	7.53	7.31	7.14	6.97
225.0	8.19	7.97	7.75	7.58	7.42	7.20	7.03	6.86	6.70
270.0	8.41	8.25	8.03	7.86	7.64	7.47	7.25	7.09	6.92
315.0	8.19	7.97	7.80	7.64	7.47	7.25	7.09	6.92	6.75
360.0	7.97	7.80	7.64	7.42	7.20	7.03	6.86	6.70	6.53

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.37	6.25	6.09	5.98	5.81	5.76	5.59	5.48	5.48
45.0	6.59	6.48	6.31	6.14	6.03	5.87	5.76	5.59	5.48
90.0	6.48	6.37	6.20	6.09	5.87	5.81	5.70	5.59	5.54
135.0	6.70	6.59	6.42	6.25	6.09	5.98	5.81	5.70	5.59
180.0	6.81	6.64	6.48	6.31	6.14	6.03	5.87	5.76	5.65
225.0	6.53	6.37	6.31	6.09	5.98	5.87	5.76	5.65	5.54
270.0	6.75	6.59	6.59	6.37	6.14	5.98	5.87	5.76	5.70
315.0	6.59	6.42	6.31	6.14	6.03	5.87	5.76	5.65	5.54
360.0	6.37	6.25	6.09	5.98	5.81	5.76	5.59	5.48	5.48

Intensity data(cd)

C/γ(°)	90.0
0.0	5.48
45.0	5.42
90.0	5.42
135.0	5.54
180.0	5.54
225.0	5.48
270.0	5.59
315.0	5.59
360.0	5.48