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NT

Client:
LumCAT: 1-1380-L
Luminaire: 92.70.410.00
Report No: 20231106-B011
Ballast type: AC

Test No: 20231106-C011	Voltage(V): 35.120
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.246
Lamp flux(lm): 1385.0	Power (W): 8.639
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1297.15, Efficiency(%): 93.66% , Luminous Efficacy(lm/W): 150.15
Central intensity(cd): 1914.128, Maximum intensity(cd): 1914.128
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=52.2
[C90/270]Total=52.2
Field angle(10%Imax): [C0/180]Total=69.6
[C90/270]Total=69.6
Beam angle of C0 plane : 52.10
Aveage BeamAngle(IEC 61341):52.10
Maximum s/h(1/2): C0_180=0.85 C90_270=0.85
Maximum s/h(1/4): C0_180=0.77 C90_270=0.77
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.66%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.033%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1914.127	0.000	0	0.00%	0.00%
1.0	1911.983	1.831	1.831	0.13%	0.14%
2.0	1905.548	5.479	7.31	0.40%	0.56%
3.0	1900.151	9.102	16.412	0.66%	1.27%
4.0	1891.433	12.692	29.104	0.92%	2.24%
5.0	1879.047	16.220	45.324	1.17%	3.49%
6.0	1865.347	19.678	65.002	1.42%	5.01%
7.0	1848.672	23.053	88.055	1.66%	6.79%
8.0	1831.443	26.338	114.393	1.90%	8.82%
9.0	1811.654	29.525	143.918	2.13%	11.09%
10.0	1785.292	32.551	176.469	2.35%	13.60%
11.0	1757.062	35.395	211.864	2.56%	16.33%
12.0	1726.479	38.080	249.944	2.75%	19.27%
13.0	1696.380	40.621	290.565	2.93%	22.40%
14.0	1672.163	43.117	333.682	3.11%	25.72%
15.0	1647.531	45.574	379.256	3.29%	29.24%
16.0	1620.131	47.880	427.137	3.46%	32.93%
17.0	1587.334	49.949	477.086	3.61%	36.78%
18.0	1546.234	51.666	528.751	3.73%	40.76%
19.0	1499.391	52.988	581.739	3.83%	44.85%
20.0	1443.691	53.867	635.606	3.89%	49.00%
21.0	1384.186	54.301	689.906	3.92%	53.19%
22.0	1286.916	53.677	743.583	3.88%	57.32%
23.0	1218.706	52.575	796.158	3.80%	61.38%
24.0	1137.267	51.510	847.668	3.72%	65.35%
25.0	1063.225	50.034	897.703	3.61%	69.21%
26.0	962.350	47.814	945.516	3.45%	72.89%
27.0	856.874	44.508	990.024	3.21%	76.32%
28.0	751.155	40.712	1030.736	2.94%	79.46%
29.0	644.482	36.514	1067.25	2.64%	82.28%
30.0	541.946	32.033	1099.283	2.31%	84.75%
31.0	443.548	27.425	1126.708	1.98%	86.86%
32.0	355.391	22.889	1149.597	1.65%	88.63%
33.0	282.345	18.788	1168.385	1.36%	90.07%
34.0	237.709	15.738	1184.123	1.14%	91.29%
35.0	179.360	12.953	1197.076	0.94%	92.29%
36.0	139.422	10.150	1207.226	0.73%	93.07%
37.0	104.037	7.940	1215.166	0.57%	93.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	85.016	6.310	1221.476	0.46%	94.17%
39.0	70.797	5.318	1226.795	0.38%	94.58%
40.0	60.391	4.575	1231.37	0.33%	94.93%
41.0	51.936	4.000	1235.37	0.29%	95.24%
42.0	45.570	3.543	1238.912	0.26%	95.51%
43.0	39.986	3.169	1242.082	0.23%	95.75%
44.0	35.717	2.857	1244.939	0.21%	95.98%
45.0	31.967	2.601	1247.54	0.19%	96.18%
46.0	28.604	2.369	1249.909	0.17%	96.36%
47.0	25.912	2.168	1252.077	0.16%	96.53%
48.0	23.740	2.007	1254.084	0.14%	96.68%
49.0	21.899	1.874	1255.959	0.14%	96.82%
50.0	20.308	1.760	1257.718	0.13%	96.96%
51.0	19.021	1.664	1259.382	0.12%	97.09%
52.0	17.872	1.583	1260.965	0.11%	97.21%
53.0	16.841	1.510	1262.475	0.11%	97.33%
54.0	15.970	1.446	1263.922	0.10%	97.44%
55.0	15.222	1.392	1265.314	0.10%	97.55%
56.0	14.537	1.345	1266.659	0.10%	97.65%
57.0	13.908	1.301	1267.959	0.09%	97.75%
58.0	13.340	1.260	1269.219	0.09%	97.85%
59.0	12.863	1.225	1270.444	0.09%	97.94%
60.0	12.372	1.192	1271.636	0.09%	98.03%
61.0	11.915	1.159	1272.795	0.08%	98.12%
62.0	11.534	1.130	1273.925	0.08%	98.21%
63.0	11.161	1.104	1275.029	0.08%	98.29%
64.0	10.815	1.078	1276.107	0.08%	98.38%
65.0	10.490	1.054	1277.162	0.08%	98.46%
66.0	10.206	1.033	1278.194	0.07%	98.54%
67.0	9.915	1.012	1279.206	0.07%	98.62%
68.0	9.652	0.991	1280.197	0.07%	98.69%
69.0	9.376	0.971	1281.168	0.07%	98.77%
70.0	9.126	0.950	1282.118	0.07%	98.84%
71.0	8.884	0.931	1283.049	0.07%	98.91%
72.0	8.635	0.911	1283.96	0.07%	98.98%
73.0	8.386	0.890	1284.85	0.06%	99.05%
74.0	8.151	0.869	1285.72	0.06%	99.12%
75.0	7.922	0.849	1286.569	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.687	0.829	1287.397	0.06%	99.25%
77.0	7.459	0.808	1288.205	0.06%	99.31%
78.0	7.251	0.787	1288.992	0.06%	99.37%
79.0	7.044	0.768	1289.76	0.06%	99.43%
80.0	6.843	0.749	1290.509	0.05%	99.49%
81.0	6.663	0.730	1291.24	0.05%	99.54%
82.0	6.511	0.714	1291.954	0.05%	99.60%
83.0	6.352	0.699	1292.653	0.05%	99.65%
84.0	6.186	0.683	1293.336	0.05%	99.71%
85.0	6.034	0.667	1294.003	0.05%	99.76%
86.0	5.895	0.652	1294.655	0.05%	99.81%
87.0	5.764	0.638	1295.293	0.05%	99.86%
88.0	5.667	0.626	1295.919	0.05%	99.91%
89.0	5.591	0.617	1296.536	0.04%	99.95%
90.0	5.535	0.610	1297.146	0.04%	100.00%

Zonal flux distribution table

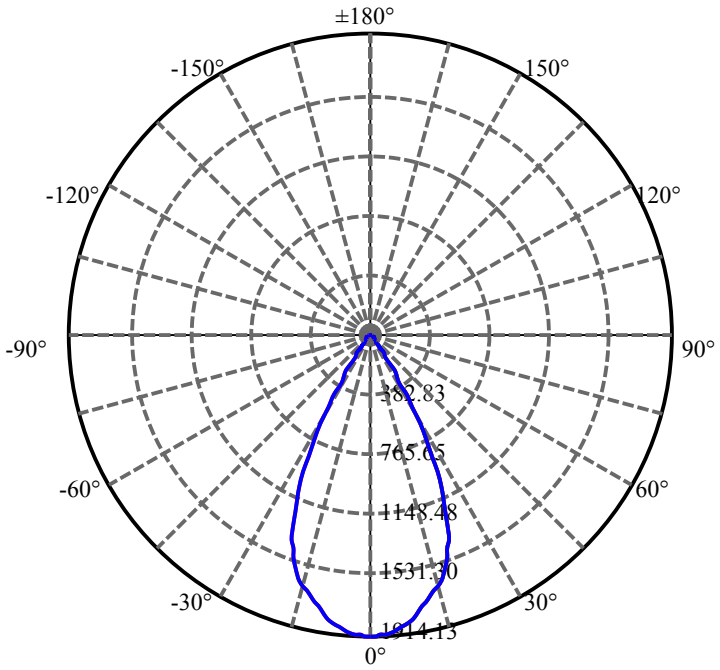
ZONAL LUMEN SUMMARY

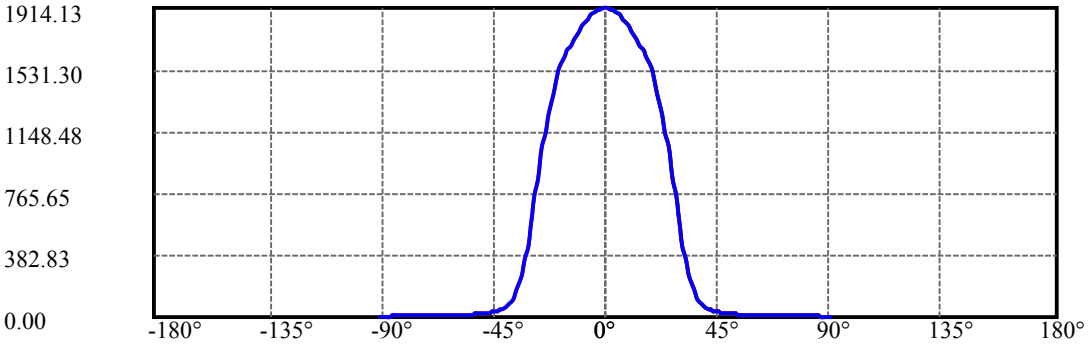
Zone	Lumens	%Lamp	%Fixt
0-30	1099.28	79.37%	84.75%
0-40	1231.37	88.91%	94.93%
0-60	1271.64	91.81%	98.03%
0-90	1296.54	93.61%	99.95%
0-120	1296.54	93.61%	99.95%
0-180	1297.15	93.66%	100.00%
60-90	24.90	1.80%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.19	1037.72	74.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	176.47
10-20	459.14
20-30	463.68
30-40	132.09
40-50	26.35
50-60	13.92
60-70	10.48
70-80	8.39
80-90	6.03
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):

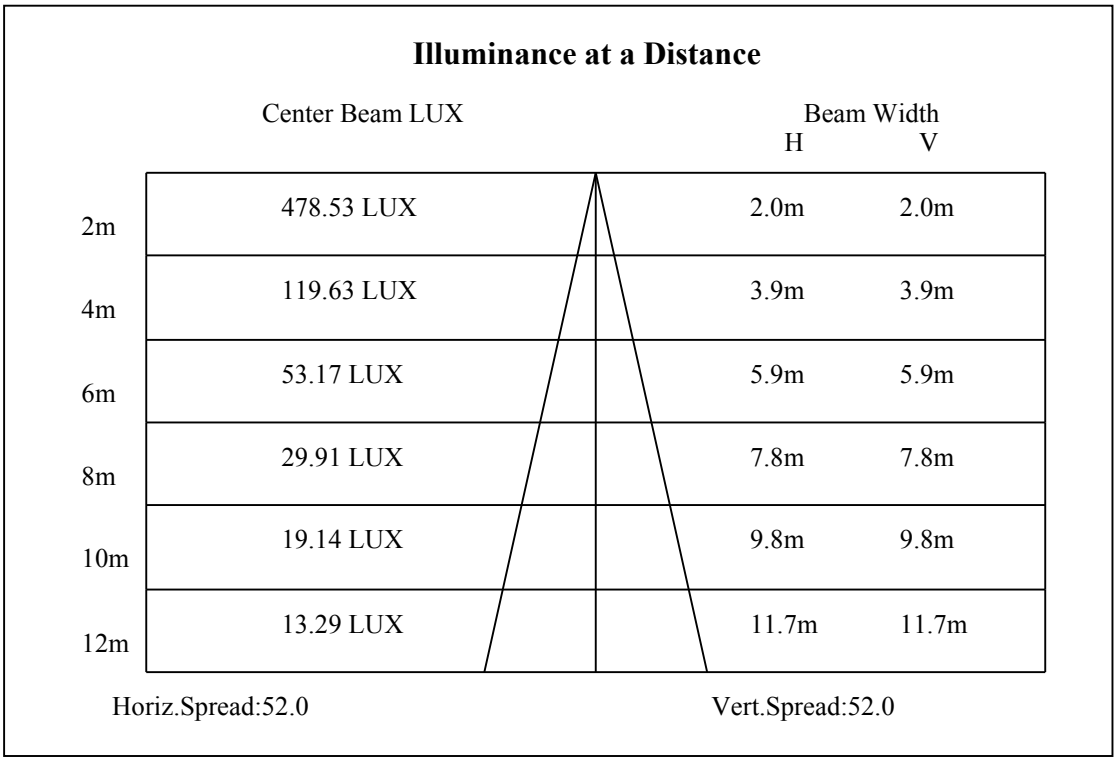
C0/C180:

C90/C270:

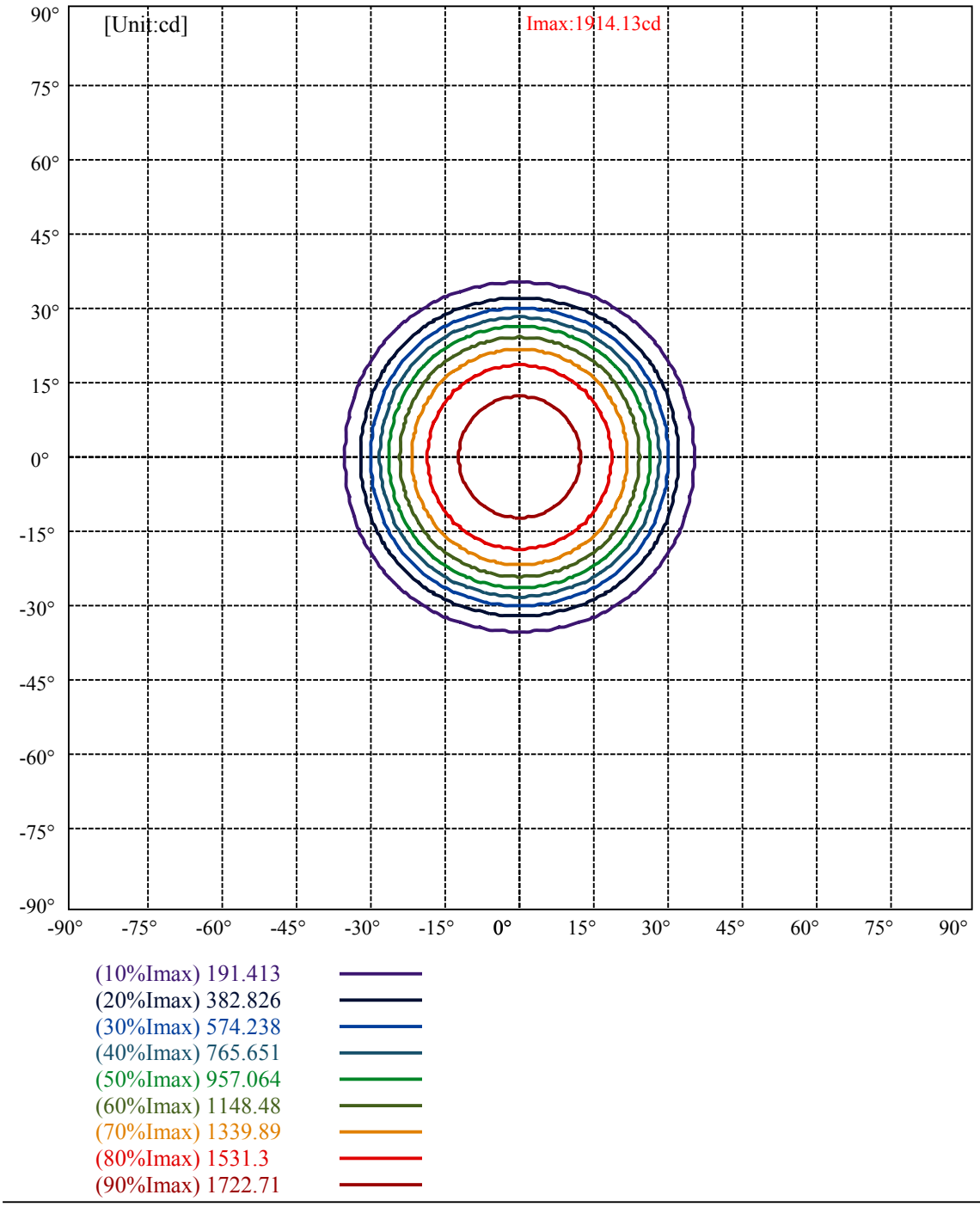
Field angle(10%Imax):C0/180Left:34.8 Right:34.8
:C90/270Left:34.8 Right:34.8

Beam Angle(50%Imax):C0/180Left:26.1 Right:26.1
:C90/270Left:26.1 Right:26.1

Lux distance Curve



ISO-Intensity(V-H)

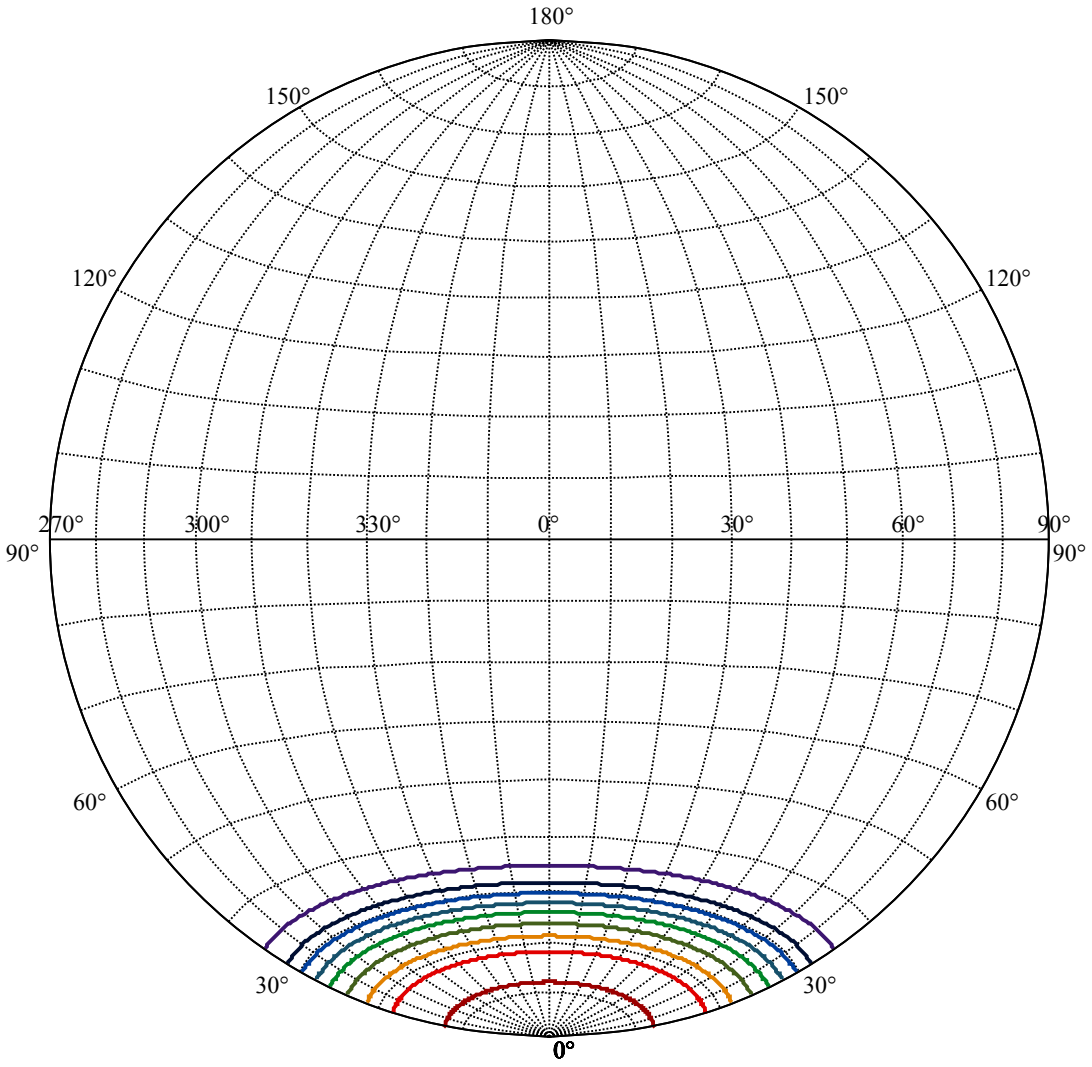


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

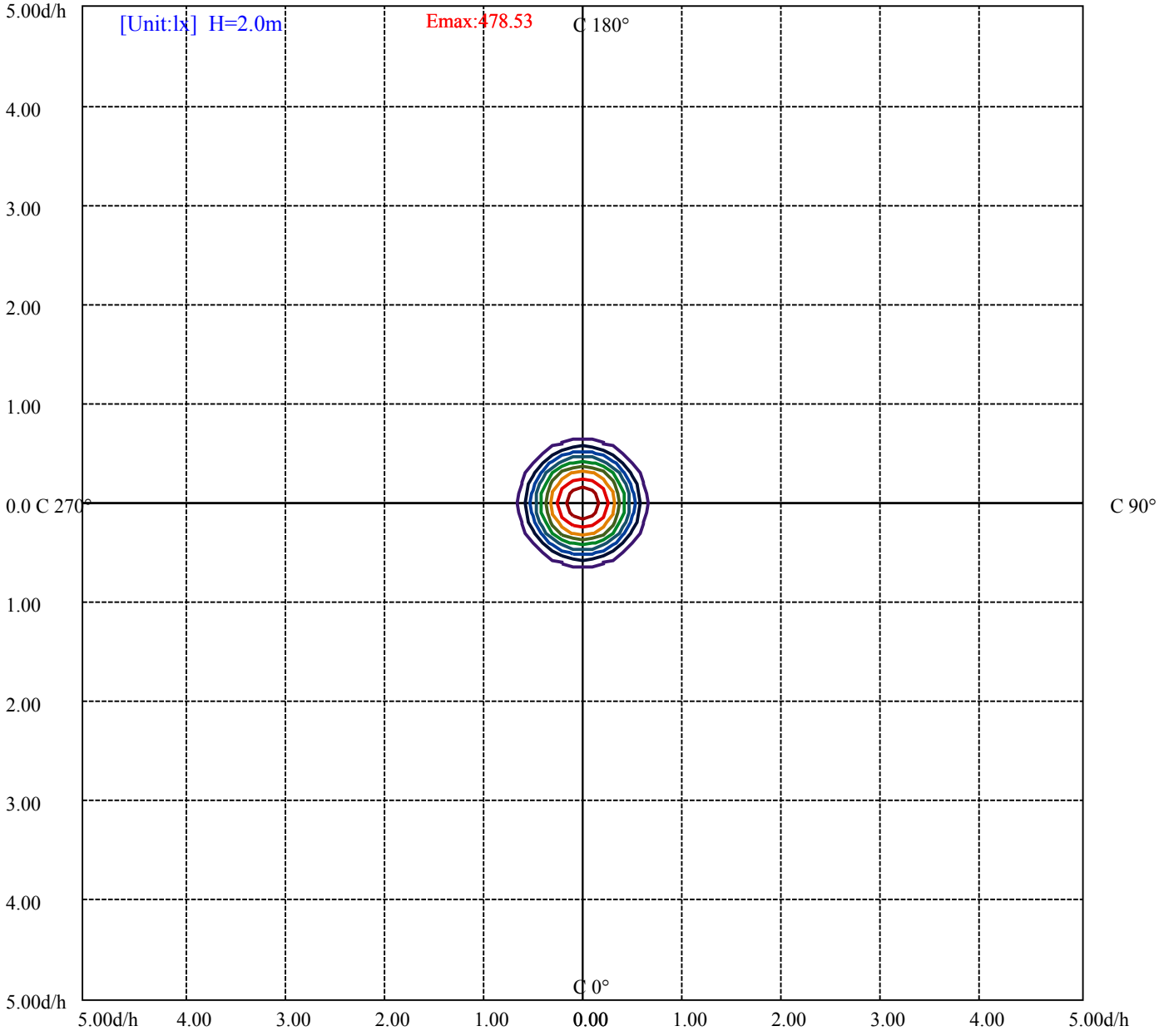
Imax:1914.13

(10%Imax) 191.413
(20%Imax) 382.826
(30%Imax) 574.238
(40%Imax) 765.651
(50%Imax) 957.064
(60%Imax) 1148.48
(70%Imax) 1339.89
(80%Imax) 1531.3
(90%Imax) 1722.71

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



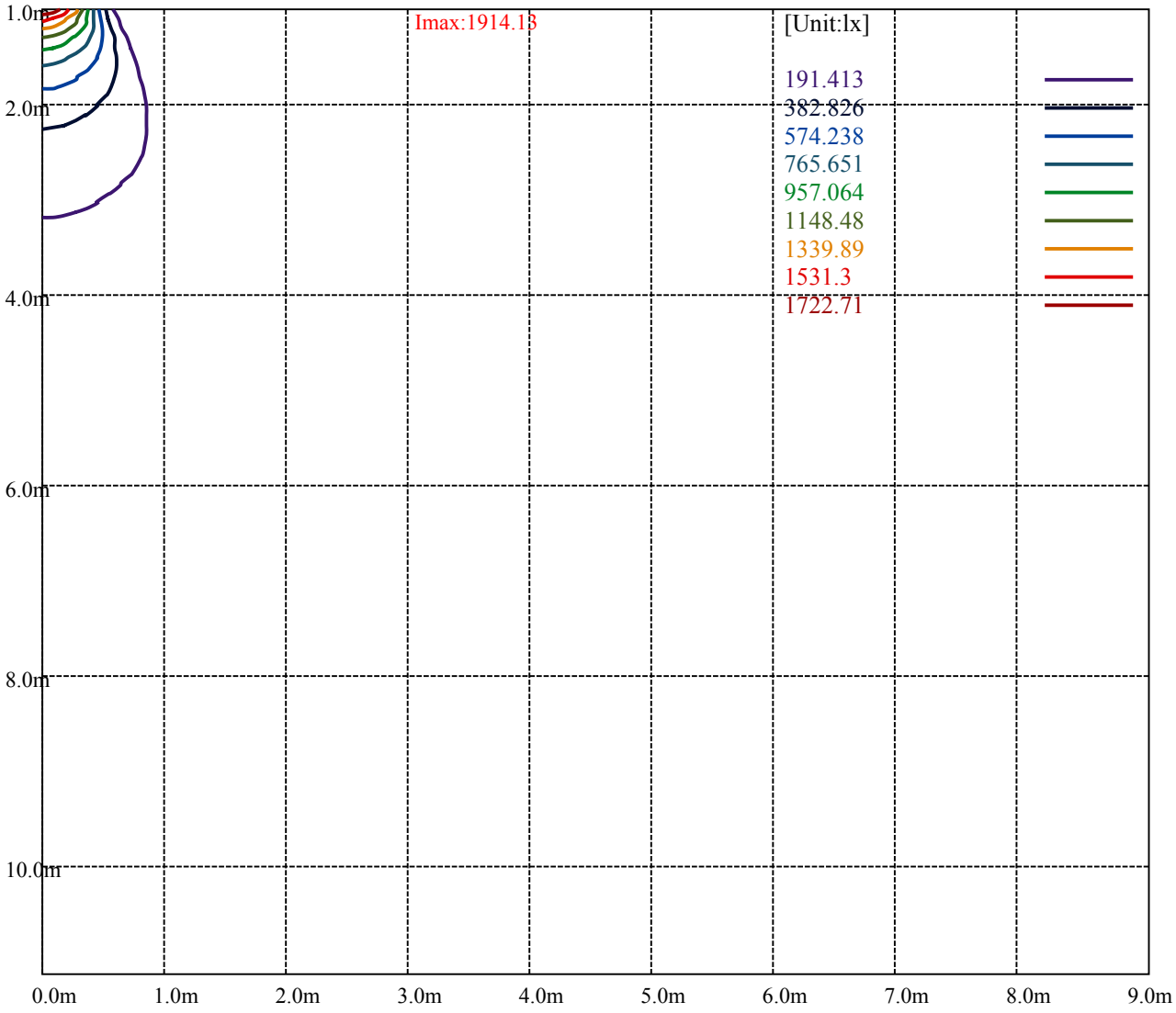
(10%Emax) 47.85325
(20%Emax) 95.70625
(30%Emax) 143.5595
(40%Emax) 191.4128
(50%Emax) 239.266
(60%Emax) 287.12
(70%Emax) 334.9725
(80%Emax) 382.825
(90%Emax) 430.6775

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

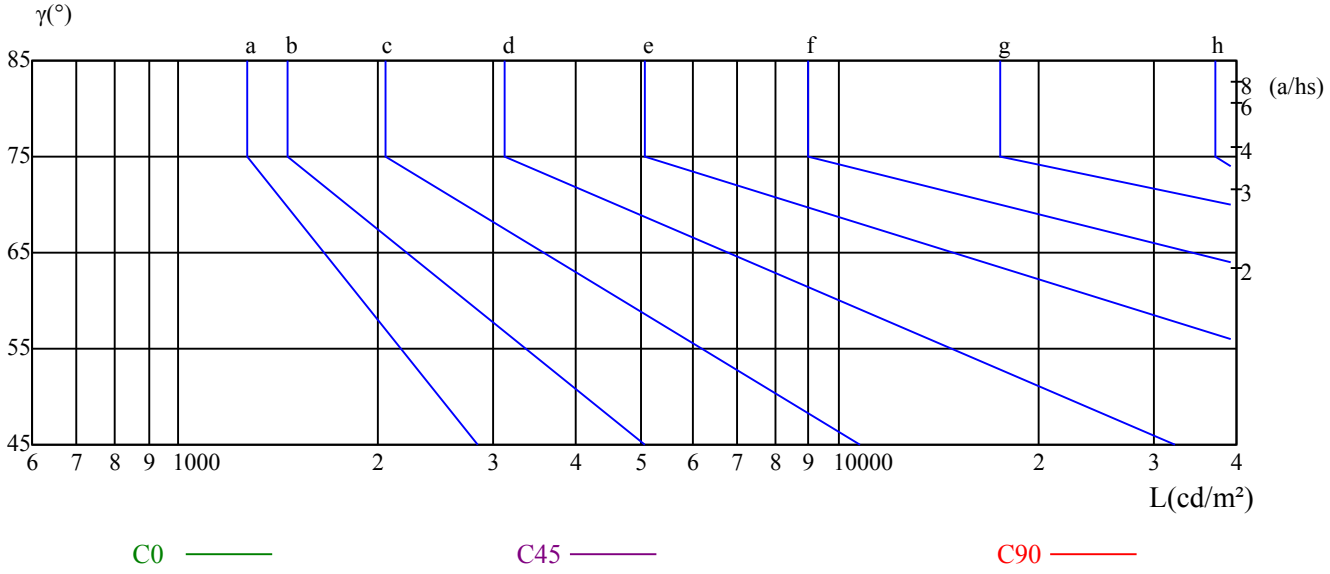
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

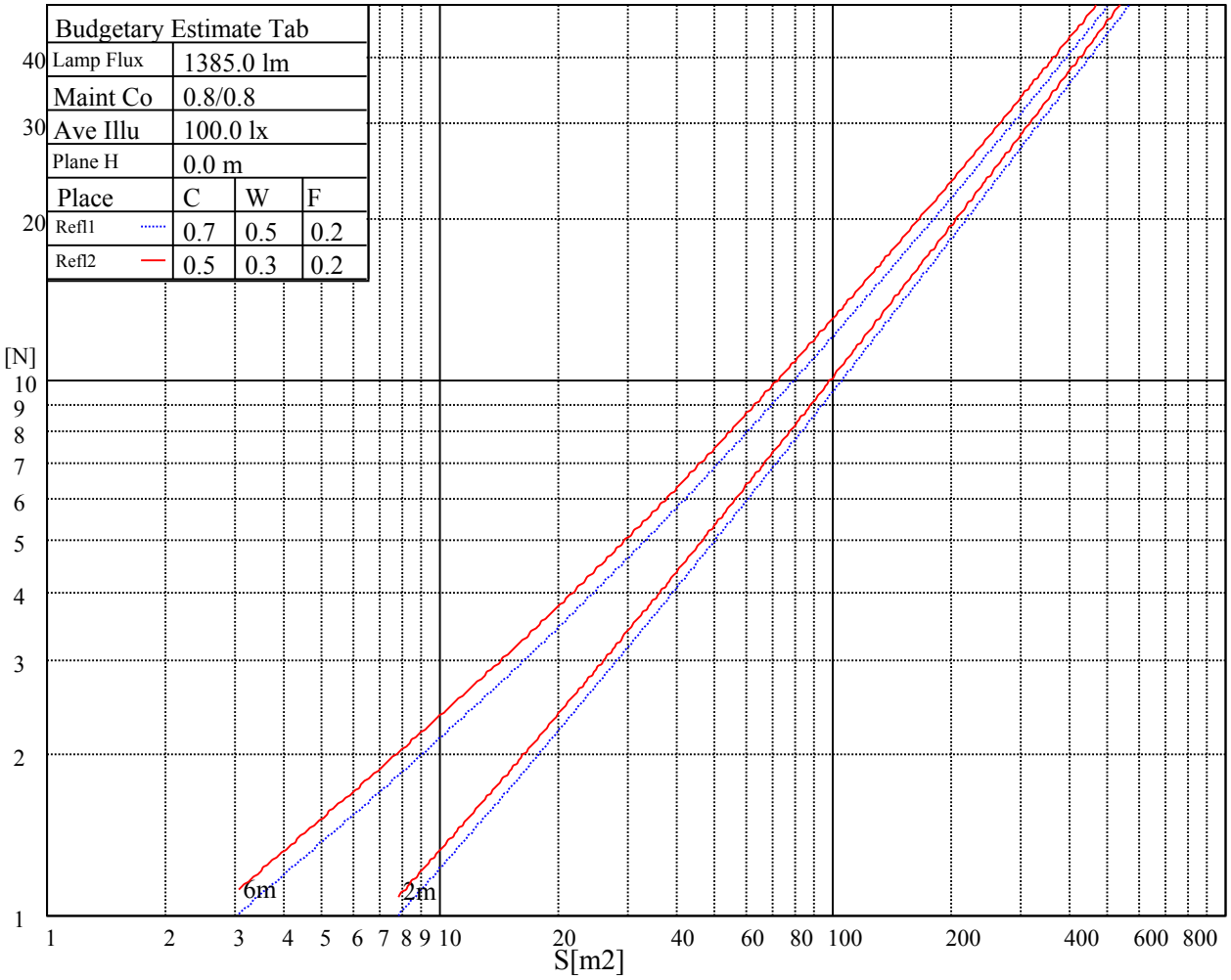
Luminance Limitting Curve



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

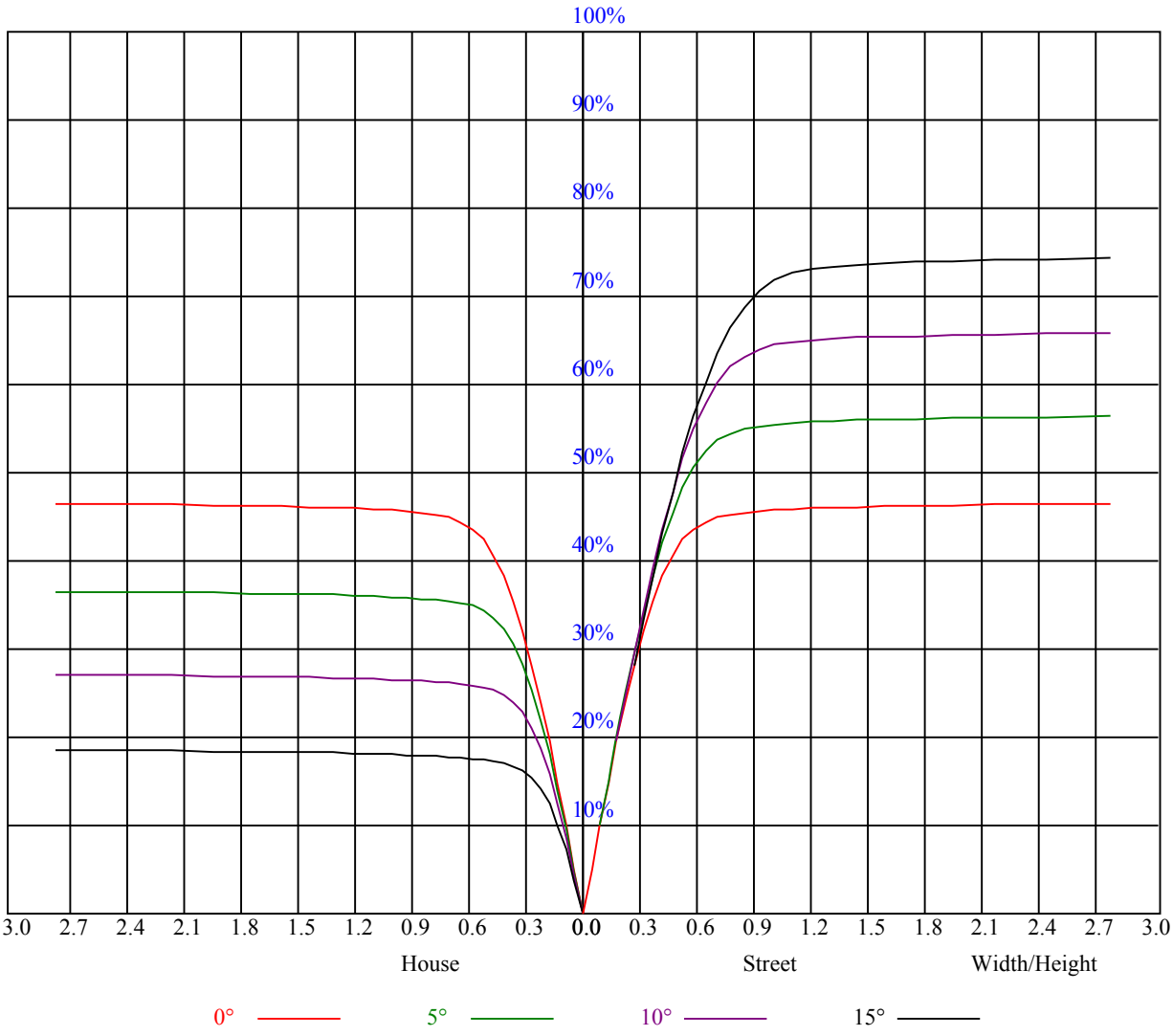


Equipment: GMS1980 Date: 2023/11/06 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	0.84	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	0.81	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	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.65
7	0.73	0.68	0.64	0.73	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
8	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	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	0.61	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	0.55	0.61	0.57	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/06	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	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	1913.02	1900.29	1887.56	1877.59	1862.10	1847.15	1832.76	1806.19	1785.15
45.0	1915.23	1916.90	1904.72	1895.86	1885.34	1863.76	1851.02	1837.19	1807.85
90.0	1914.13	1908.04	1899.74	1888.66	1880.92	1863.20	1847.70	1817.26	1801.76
135.0	1914.13	1916.34	1916.90	1916.34	1905.27	1896.97	1877.04	1862.65	1843.83
180.0	1913.02	1915.79	1914.68	1915.23	1915.23	1905.82	1894.20	1885.90	1878.70
225.0	1915.23	1911.91	1913.02	1906.38	1895.86	1889.22	1876.49	1868.18	1855.45
270.0	1914.13	1916.90	1911.36	1908.04	1905.27	1897.52	1887.56	1870.95	1854.90
315.0	1914.13	1909.70	1896.41	1893.09	1881.47	1868.74	1856.01	1841.06	1823.90
360.0	1913.02	1900.29	1887.56	1877.59	1862.10	1847.15	1832.76	1806.19	1785.15

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1755.82	1718.18	1687.73	1666.70	1642.34	1619.09	1592.52	1564.85	1524.44
45.0	1783.49	1756.37	1729.80	1691.05	1660.61	1638.47	1615.77	1590.31	1558.76
90.0	1773.53	1735.34	1706.00	1680.54	1656.73	1632.38	1601.38	1569.27	1536.06
135.0	1829.44	1807.85	1781.28	1746.96	1715.96	1689.95	1666.70	1631.82	1601.93
180.0	1861.54	1837.74	1822.24	1796.22	1762.46	1735.89	1718.73	1701.02	1670.57
225.0	1844.94	1822.79	1791.80	1755.82	1728.69	1710.98	1684.96	1662.82	1628.50
270.0	1843.83	1825.56	1798.99	1764.12	1725.37	1695.48	1668.91	1637.36	1608.02
315.0	1800.65	1778.51	1738.66	1710.43	1678.87	1655.07	1631.27	1603.59	1570.38
360.0	1755.82	1718.18	1687.73	1666.70	1642.34	1619.09	1592.52	1564.85	1524.44

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1481.82	1431.44	1376.09	1304.13	1088.25	1088.25	1041.48	946.21	846.41
45.0	1521.67	1472.96	1425.36	1360.59	1301.92	1233.83	1132.53	1041.20	943.23
90.0	1477.39	1423.14	1345.65	1278.11	1095.00	1095.00	1001.51	908.91	785.47
135.0	1564.29	1522.22	1454.69	1398.23	1320.18	1252.10	1178.48	1068.32	974.22
180.0	1642.34	1610.24	1570.38	1517.24	1468.53	1401.55	1344.54	1268.70	1172.94
225.0	1589.76	1531.63	1479.05	1423.69	1365.02	1281.44	1091.79	1091.79	994.93
270.0	1570.94	1529.97	1471.30	1420.37	1361.15	1297.49	1207.82	1124.79	1042.31
315.0	1521.67	1473.51	1427.02	1371.11	1295.27	1099.99	1099.99	1055.87	939.30
360.0	1481.82	1431.44	1376.09	1304.13	1088.25	1088.25	1041.48	946.21	846.41

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	718.10	617.86	521.38	408.18	325.70	254.57	198.66	147.90	119.23
45.0	840.82	715.72	621.62	527.52	438.95	334.89	280.09	280.09	160.75
90.0	682.84	583.76	489.71	401.70	301.29	234.15	179.95	139.71	105.39
135.0	872.37	766.65	640.99	543.02	449.47	363.12	285.07	285.07	159.47
180.0	1081.06	986.40	888.98	757.79	648.74	548.00	451.69	342.64	285.62
225.0	892.36	791.83	664.24	561.62	464.20	351.99	274.83	210.95	162.96
270.0	926.62	830.86	712.40	614.98	512.02	427.33	329.91	293.37	293.37
315.0	840.82	716.16	616.53	520.77	408.01	329.08	258.56	201.93	148.07
360.0	718.10	617.86	521.38	408.18	325.70	254.57	198.66	147.90	119.23

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	96.70	80.10	64.60	55.74	47.44	42.29	37.75	32.77	29.45
45.0	123.33	100.91	83.58	68.20	59.12	50.59	45.11	40.46	36.26
90.0	87.62	74.45	62.33	54.97	47.44	42.51	38.08	33.27	30.06
135.0	126.76	99.14	82.26	67.37	58.79	52.03	45.22	40.52	36.42
180.0	285.62	164.12	125.87	101.63	83.03	66.09	56.18	47.44	42.07
225.0	122.17	100.85	84.52	72.13	60.67	53.31	47.22	40.91	36.70
270.0	154.10	115.63	96.59	81.15	70.19	59.17	52.36	46.50	40.63
315.0	119.07	97.09	80.37	65.21	56.46	49.49	42.62	38.03	34.15
360.0	96.70	80.10	64.60	55.74	47.44	42.29	37.75	32.77	29.45

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	26.74	23.86	21.98	20.43	19.04	17.66	16.72	15.89	15.17
45.0	31.83	28.89	26.29	23.75	21.92	20.37	19.10	17.99	16.83
90.0	27.23	24.91	22.58	20.98	19.60	18.43	17.44	16.33	15.61
135.0	32.88	29.12	26.63	24.58	22.69	20.87	19.60	18.49	17.27
180.0	37.53	32.66	29.50	26.79	24.47	22.20	20.54	19.21	17.99
225.0	32.99	29.12	26.57	23.91	22.20	20.70	19.43	17.99	17.05
270.0	36.64	33.05	29.34	26.90	24.30	22.64	21.15	19.87	18.49
315.0	29.89	27.23	24.41	22.58	20.98	19.60	18.21	17.21	16.33
360.0	26.74	23.86	21.98	20.43	19.04	17.66	16.72	15.89	15.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.39	13.84	13.28	12.68	12.29	11.90	11.46	11.13	10.85
45.0	16.00	15.11	14.50	13.89	13.28	12.79	12.34	11.79	11.46
90.0	14.72	14.12	13.56	12.95	12.51	12.07	11.62	11.29	10.96
135.0	16.50	15.78	14.95	14.28	13.62	13.17	12.73	12.23	11.79
180.0	16.77	15.94	15.17	14.39	13.78	13.28	12.68	12.23	11.90
225.0	16.22	15.50	14.67	14.12	13.56	13.12	12.51	12.07	11.57
270.0	17.55	16.72	16.00	15.33	14.56	14.00	13.51	12.90	12.45
315.0	15.61	14.78	14.17	13.62	13.12	12.57	12.12	11.68	11.29
360.0	14.39	13.84	13.28	12.68	12.29	11.90	11.46	11.13	10.85

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.41	10.19	9.91	9.69	9.41	9.13	8.91	8.69	8.47
45.0	11.13	10.79	10.46	10.19	9.91	9.63	9.35	9.13	8.80
90.0	10.68	10.30	10.07	9.85	9.58	9.30	9.08	8.80	8.58
135.0	11.46	11.13	10.79	10.41	10.19	9.91	9.58	9.30	9.08
180.0	11.40	11.07	10.74	10.46	10.07	9.85	9.58	9.35	9.08
225.0	11.24	10.90	10.46	10.24	9.91	9.69	9.35	9.13	8.91
270.0	12.01	11.57	11.24	10.79	10.52	10.24	9.96	9.63	9.41
315.0	10.96	10.57	10.24	10.02	9.74	9.47	9.19	8.97	8.75
360.0	10.41	10.19	9.91	9.69	9.41	9.13	8.91	8.69	8.47

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.25	7.97	7.75	7.53	7.31	7.09	6.86	6.75	6.53
45.0	8.52	8.30	8.08	7.86	7.64	7.42	7.25	6.97	6.81
90.0	8.36	8.08	7.92	7.69	7.47	7.25	7.09	6.92	6.75
135.0	8.75	8.52	8.30	8.03	7.80	7.58	7.42	7.14	6.92
180.0	8.86	8.64	8.36	8.14	7.86	7.64	7.42	7.25	6.97
225.0	8.69	8.41	8.19	7.97	7.69	7.47	7.25	7.03	6.86
270.0	9.19	8.91	8.58	8.36	8.14	7.86	7.58	7.36	7.14
315.0	8.47	8.25	8.03	7.80	7.58	7.36	7.14	6.92	6.75
360.0	8.25	7.97	7.75	7.53	7.31	7.09	6.86	6.75	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	6.14	5.98	5.87	5.76	5.59	5.48	5.54
45.0	6.64	6.48	6.25	6.14	5.98	5.81	5.70	5.59	5.54
90.0	6.59	6.42	6.25	6.14	5.98	5.87	5.76	5.65	5.59
135.0	6.75	6.59	6.42	6.20	6.03	5.87	5.81	5.70	5.59
180.0	6.86	6.64	6.48	6.31	6.14	5.98	5.81	5.76	5.65
225.0	6.64	6.53	6.37	6.20	6.03	5.92	5.76	5.70	5.59
270.0	6.92	6.75	6.59	6.42	6.25	6.09	5.92	5.81	5.70
315.0	6.53	6.42	6.31	6.09	5.98	5.87	5.76	5.65	5.54
360.0	6.37	6.25	6.14	5.98	5.87	5.76	5.59	5.48	5.54

Intensity data(cd)

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