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NT

LumCAT: 1-1376-L
Luminaire: 92.70.427.00
LampCAT: BRIDGELUX V6HD
Ballast type: AC

Report No: 20231207-B022	Voltage(V): 35.0800
Test No: 20231207-C022	Current(A): 0.2600
Number of Lamps: 1	Power (W): 9.1200
Lamp flux(lm): 1196.2	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1090.67, Efficiency(%): 91.18% , Luminous Efficacy(lm/W): 119.59
Central intensity(cd): 1777.958, Maximum intensity(cd): 1778.304
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=48.4
[C90/270]Total=48.4
Field angle(10%Imax): [C0/180]Total=67.4
[C90/270]Total=67.4
Maximum s/h(1/2): C0_180=0.80 C90_270=0.80
Maximum s/h(1/4): C0_180=0.72 C90_270=0.72
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.18%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.073%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1777.958	0.000	0	0.00%	0.00%
1.0	1778.304	1.702	1.702	0.14%	0.16%
2.0	1777.958	5.104	6.806	0.43%	0.62%
3.0	1777.197	8.503	15.309	0.71%	1.40%
4.0	1773.599	11.886	27.194	0.99%	2.49%
5.0	1768.271	15.237	42.431	1.27%	3.89%
6.0	1760.314	18.544	60.975	1.55%	5.59%
7.0	1749.935	21.788	82.763	1.82%	7.59%
8.0	1735.197	24.942	107.705	2.09%	9.88%
9.0	1718.245	27.988	135.694	2.34%	12.44%
10.0	1697.418	30.911	166.604	2.58%	15.28%
11.0	1672.855	33.676	200.28	2.82%	18.36%
12.0	1646.147	36.281	236.562	3.03%	21.69%
13.0	1612.935	38.677	275.239	3.23%	25.24%
14.0	1577.232	40.834	316.072	3.41%	28.98%
15.0	1537.169	42.756	358.828	3.57%	32.90%
16.0	1488.943	44.341	403.169	3.71%	36.97%
17.0	1439.332	45.601	448.77	3.81%	41.15%
18.0	1381.487	46.509	495.28	3.89%	45.41%
19.0	1319.837	46.998	542.277	3.93%	49.72%
20.0	1205.553	46.222	588.499	3.86%	53.96%
21.0	1154.358	45.315	633.814	3.79%	58.11%
22.0	1086.577	45.033	678.846	3.76%	62.24%
23.0	996.863	43.716	722.563	3.65%	66.25%
24.0	904.533	41.571	764.134	3.48%	70.06%
25.0	806.218	38.899	803.033	3.25%	73.63%
26.0	705.869	35.693	838.726	2.98%	76.90%
27.0	608.869	32.165	870.891	2.69%	79.85%
28.0	514.173	28.433	899.324	2.38%	82.46%
29.0	431.675	24.746	924.07	2.07%	84.72%
30.0	353.101	21.189	945.259	1.77%	86.67%
31.0	289.548	17.884	963.143	1.50%	88.31%
32.0	247.597	15.389	978.531	1.29%	89.72%
33.0	228.195	14.017	992.548	1.17%	91.00%
34.0	155.128	11.601	1004.149	0.97%	92.07%
35.0	124.781	8.693	1012.842	0.73%	92.86%
36.0	102.058	7.223	1020.064	0.60%	93.53%
37.0	81.840	5.998	1026.062	0.50%	94.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	68.002	5.002	1031.064	0.42%	94.53%
39.0	55.962	4.231	1035.295	0.35%	94.92%
40.0	47.251	3.600	1038.895	0.30%	95.25%
41.0	39.924	3.104	1041.999	0.26%	95.54%
42.0	34.492	2.704	1044.703	0.23%	95.78%
43.0	30.258	2.399	1047.101	0.20%	96.00%
44.0	26.674	2.149	1049.25	0.18%	96.20%
45.0	23.954	1.946	1051.196	0.16%	96.38%
46.0	21.768	1.788	1052.984	0.15%	96.54%
47.0	19.754	1.651	1054.635	0.14%	96.70%
48.0	18.184	1.534	1056.169	0.13%	96.84%
49.0	16.731	1.434	1057.603	0.12%	96.97%
50.0	15.582	1.347	1058.95	0.11%	97.09%
51.0	14.586	1.276	1060.226	0.11%	97.21%
52.0	13.721	1.215	1061.441	0.10%	97.32%
53.0	12.946	1.160	1062.601	0.10%	97.43%
54.0	12.261	1.111	1063.712	0.09%	97.53%
55.0	11.666	1.068	1064.78	0.09%	97.63%
56.0	11.147	1.031	1065.811	0.09%	97.72%
57.0	10.725	1.000	1066.811	0.08%	97.81%
58.0	10.310	0.973	1067.783	0.08%	97.90%
59.0	9.957	0.947	1068.731	0.08%	97.99%
60.0	9.638	0.926	1069.657	0.08%	98.07%
61.0	9.341	0.906	1070.562	0.08%	98.16%
62.0	9.078	0.888	1071.45	0.07%	98.24%
63.0	8.808	0.870	1072.32	0.07%	98.32%
64.0	8.587	0.854	1073.173	0.07%	98.40%
65.0	8.365	0.839	1074.012	0.07%	98.47%
66.0	8.172	0.825	1074.837	0.07%	98.55%
67.0	7.978	0.812	1075.649	0.07%	98.62%
68.0	7.791	0.799	1076.448	0.07%	98.70%
69.0	7.611	0.786	1077.234	0.07%	98.77%
70.0	7.431	0.773	1078.006	0.06%	98.84%
71.0	7.265	0.760	1078.766	0.06%	98.91%
72.0	7.092	0.747	1079.513	0.06%	98.98%
73.0	6.933	0.733	1080.246	0.06%	99.04%
74.0	6.767	0.720	1080.966	0.06%	99.11%
75.0	6.608	0.707	1081.673	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.449	0.693	1082.366	0.06%	99.24%
77.0	6.276	0.678	1083.044	0.06%	99.30%
78.0	6.130	0.664	1083.709	0.06%	99.36%
79.0	5.978	0.651	1084.359	0.05%	99.42%
80.0	5.819	0.636	1084.995	0.05%	99.48%
81.0	5.695	0.623	1085.618	0.05%	99.54%
82.0	5.535	0.609	1086.227	0.05%	99.59%
83.0	5.397	0.594	1086.821	0.05%	99.65%
84.0	5.293	0.582	1087.403	0.05%	99.70%
85.0	5.182	0.572	1087.975	0.05%	99.75%
86.0	5.072	0.561	1088.536	0.05%	99.80%
87.0	4.975	0.550	1089.086	0.05%	99.85%
88.0	4.885	0.540	1089.626	0.05%	99.90%
89.0	4.767	0.529	1090.155	0.04%	99.95%
90.0	4.719	0.520	1090.675	0.04%	100.00%

Zonal flux distribution table

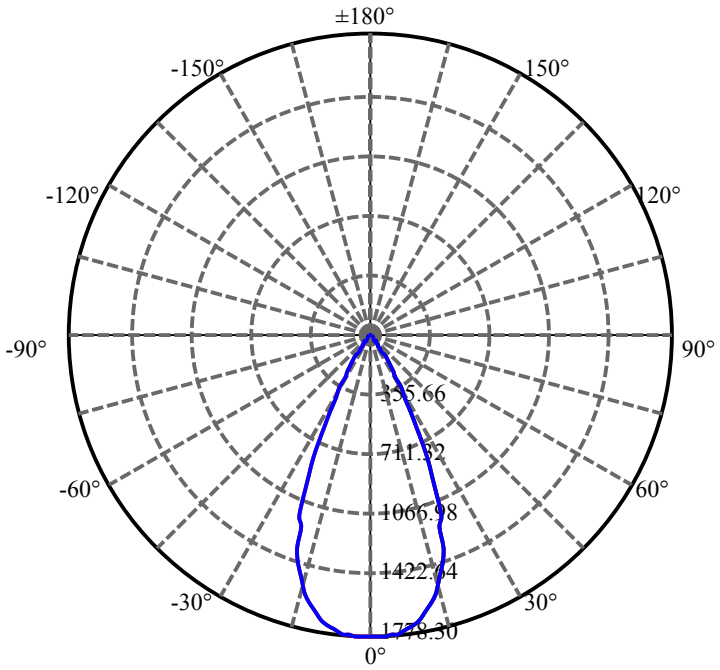
ZONAL LUMEN SUMMARY

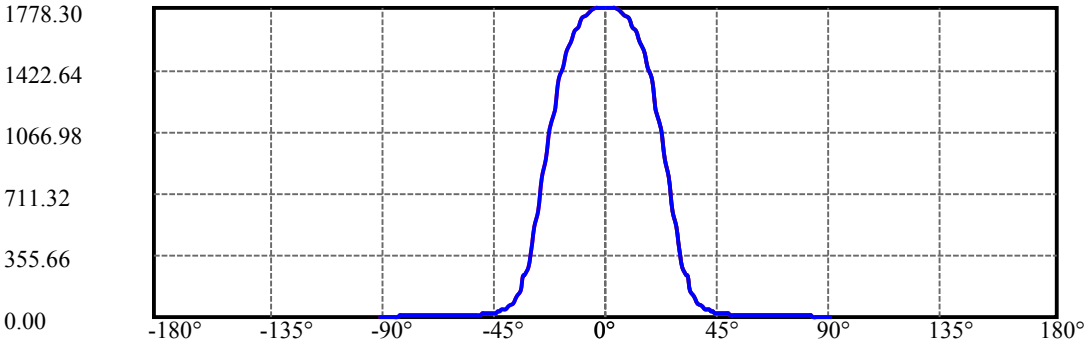
Zone	Lumens	%Lamp	%Fixt
0-30	945.26	79.02%	86.67%
0-40	1038.89	86.85%	95.25%
0-60	1069.66	89.42%	98.07%
0-90	1090.15	91.14%	99.95%
0-120	1090.15	91.14%	99.95%
0-180	1090.67	91.18%	100.00%
60-90	20.50	1.71%	1.88%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.06	872.54	72.94%	80.00%

ZONAL LUMEN SUMMARY

0-10	166.60
10-20	421.89
20-30	356.76
30-40	93.64
40-50	20.06
50-60	10.71
60-70	8.35
70-80	6.99
80-90	5.16
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):

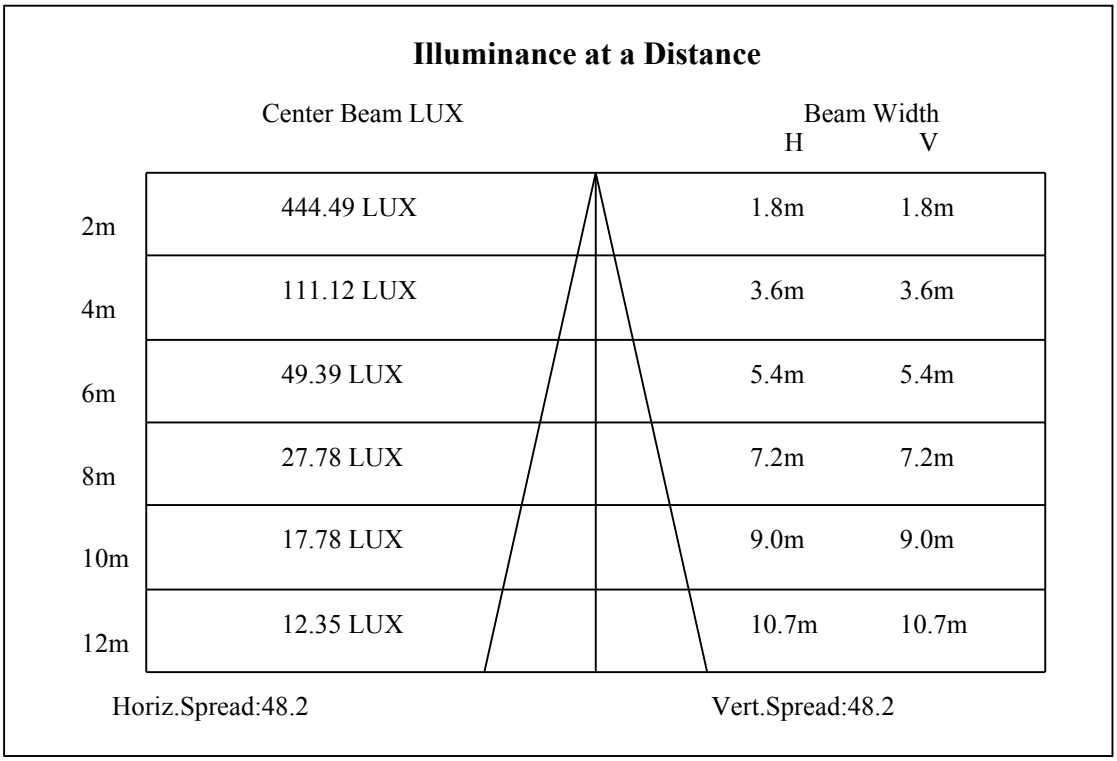
C0/C180:

C90/C270:

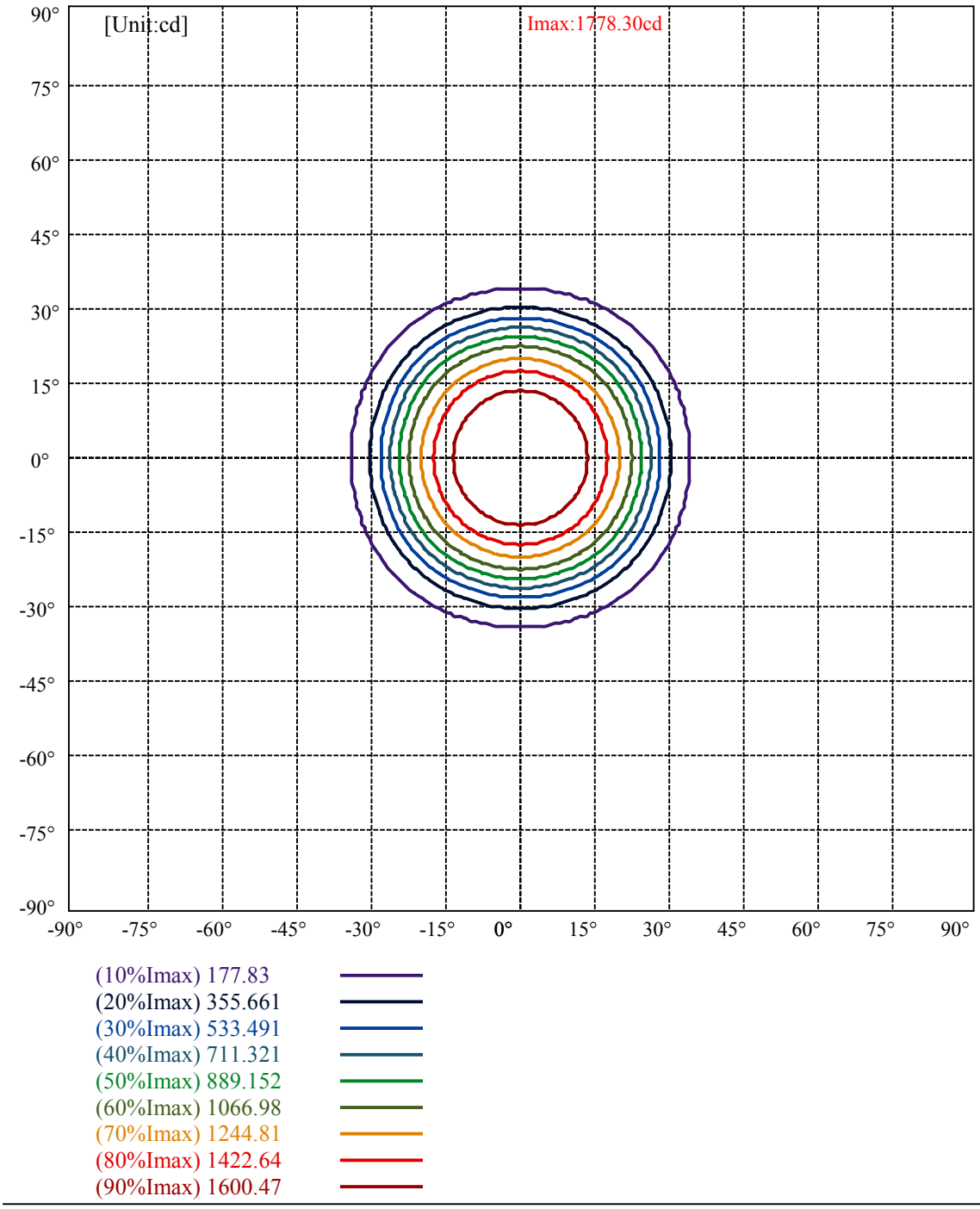
Field angle(10%Imax):C0/180Left:34.7 Right:32.7
:C90/270Left:34.7 Right:32.7

Beam Angle(50%Imax):C0/180Left:25.2 Right:23.2
:C90/270Left:25.2 Right:23.2

Lux distance Curve



ISO-Intensity(V-H)

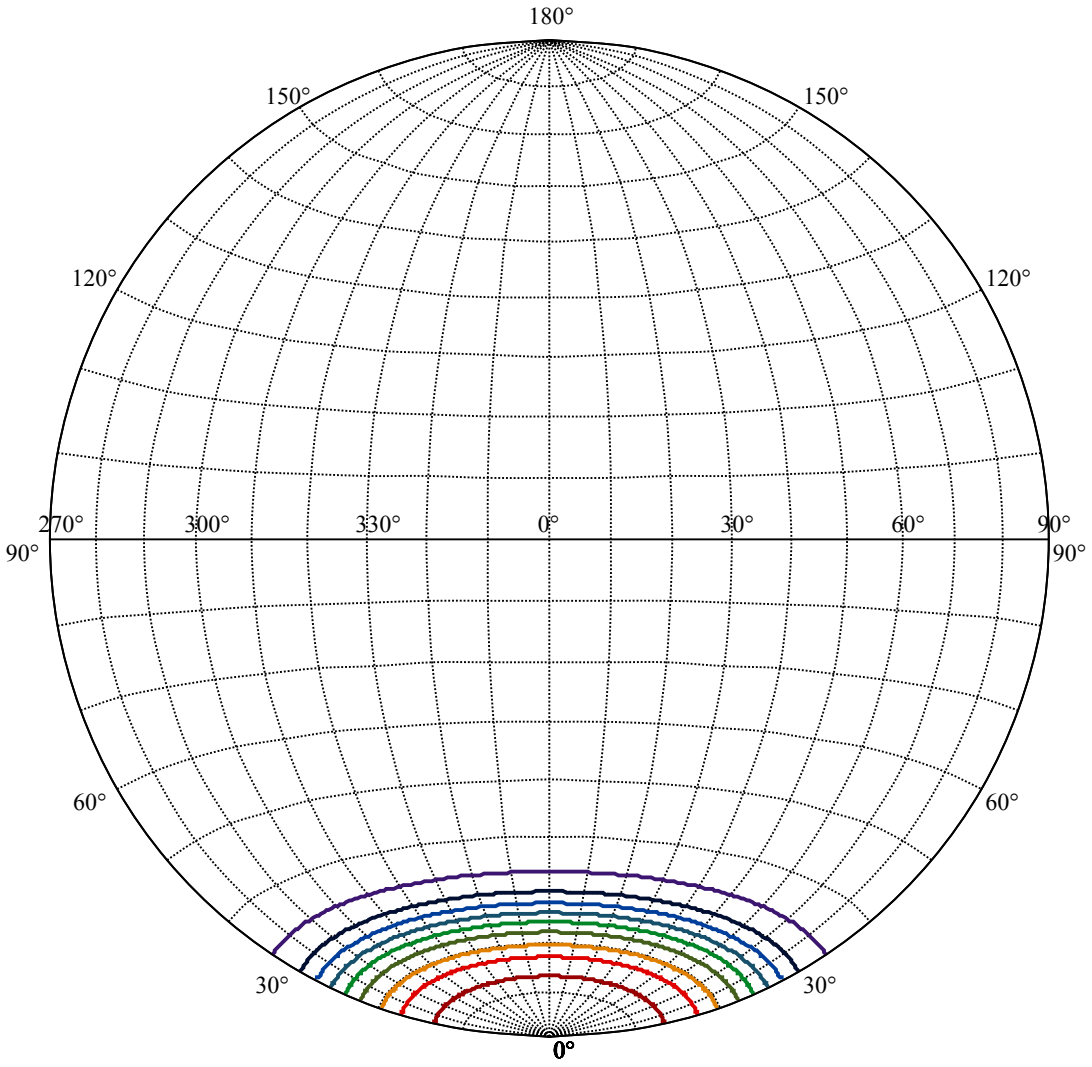


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/07
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

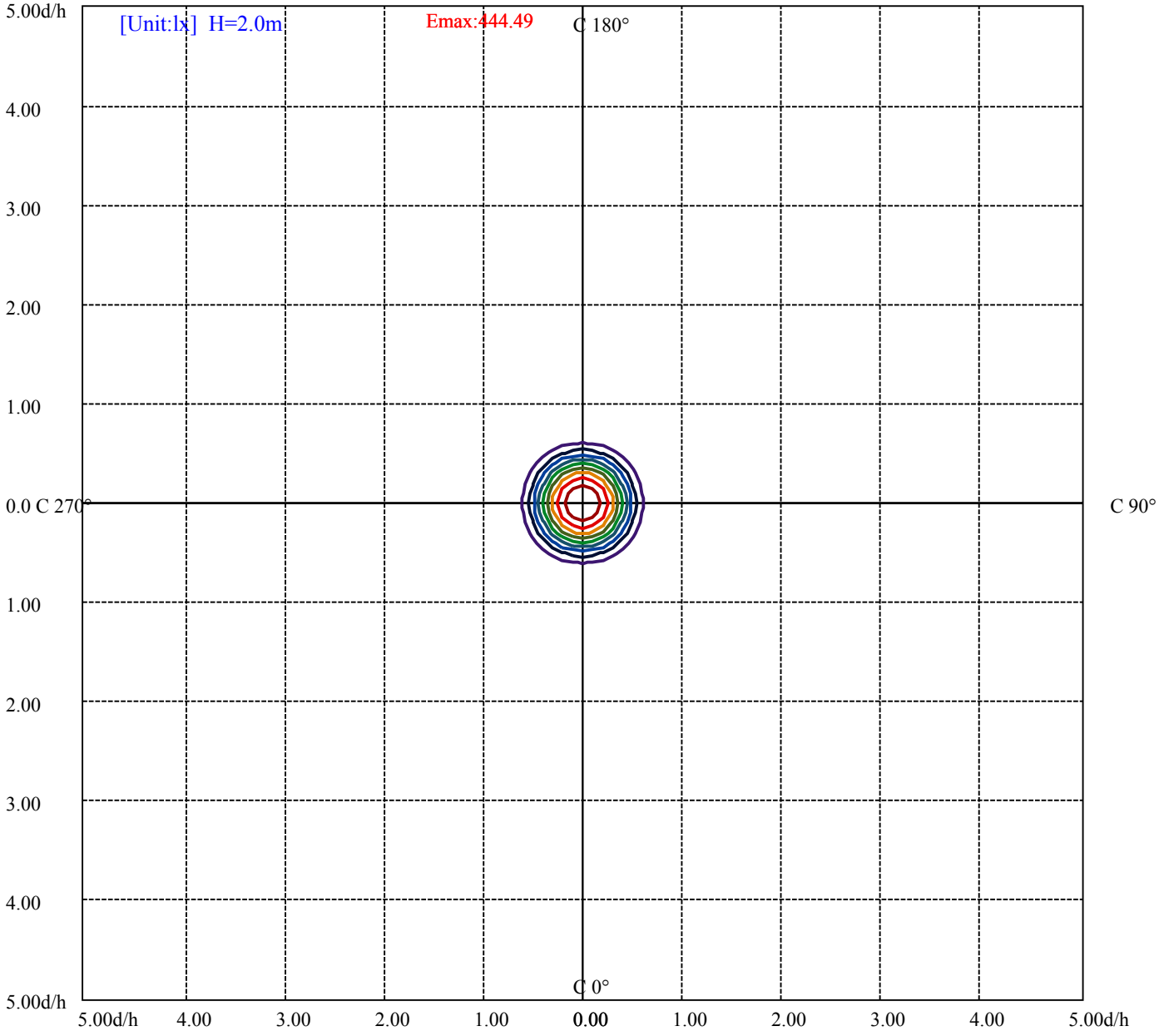
Imax:1778.30

(10%Imax) 177.83
(20%Imax) 355.661
(30%Imax) 533.491
(40%Imax) 711.321
(50%Imax) 889.152
(60%Imax) 1066.98
(70%Imax) 1244.81
(80%Imax) 1422.64
(90%Imax) 1600.47

Equipment: GMS1980 Date: 2023/12/07 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1376-L

ISO illuminance diagram



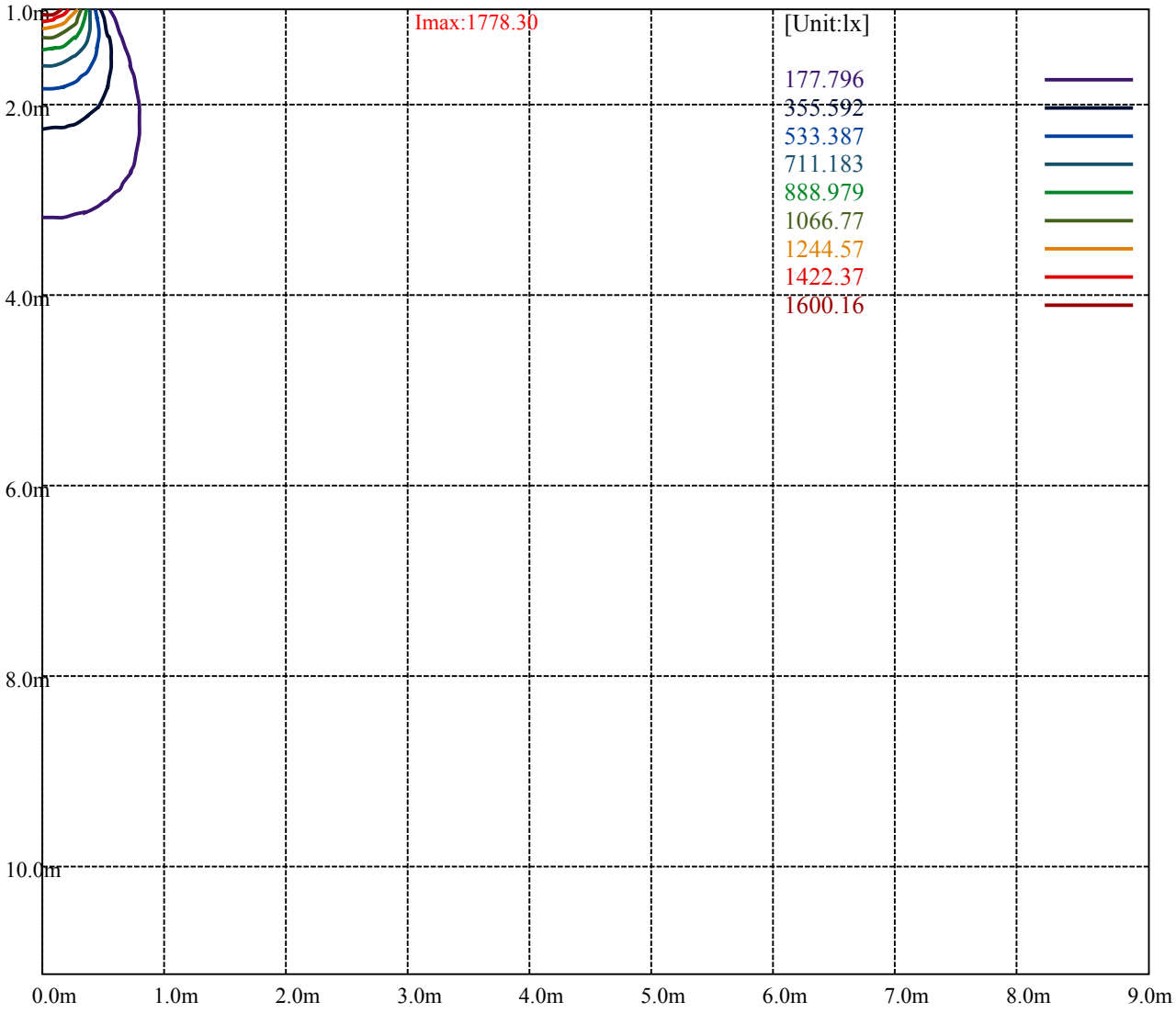
(10%Emax) 44.449
(20%Emax) 88.898
(30%Emax) 133.3468
(40%Emax) 177.7957
(50%Emax) 222.2448
(60%Emax) 266.6925
(70%Emax) 311.1425
(80%Emax) 355.5925
(90%Emax) 400.04

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/07
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/07
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Luminance Limitting Curve(no luminous side)

Luminance Table

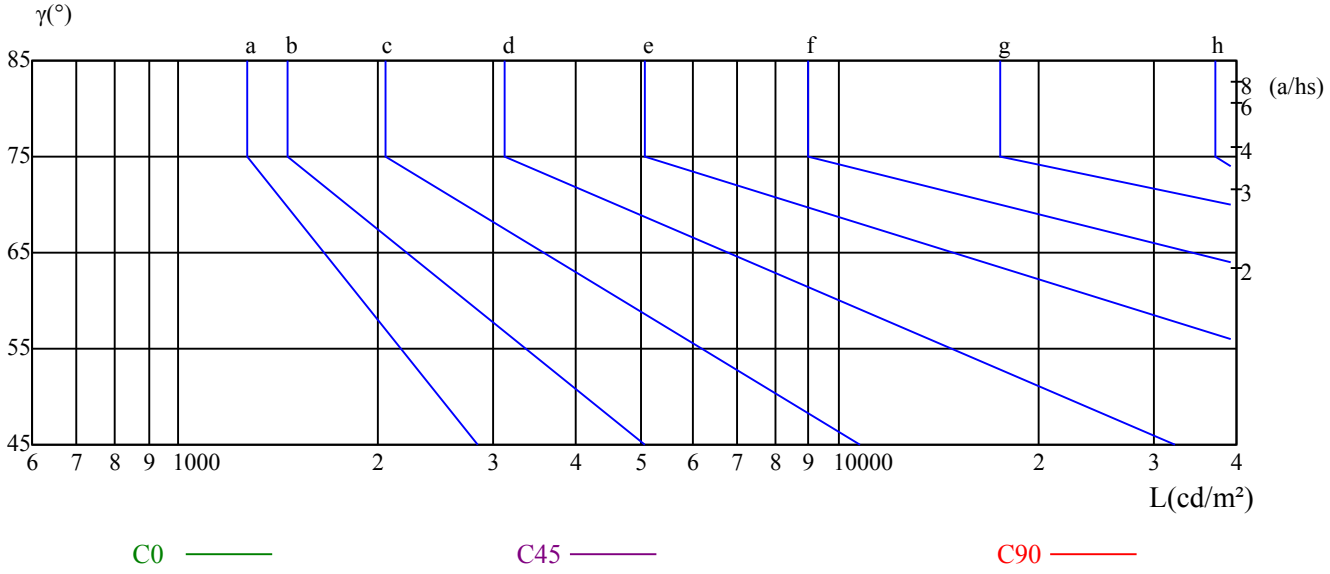
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

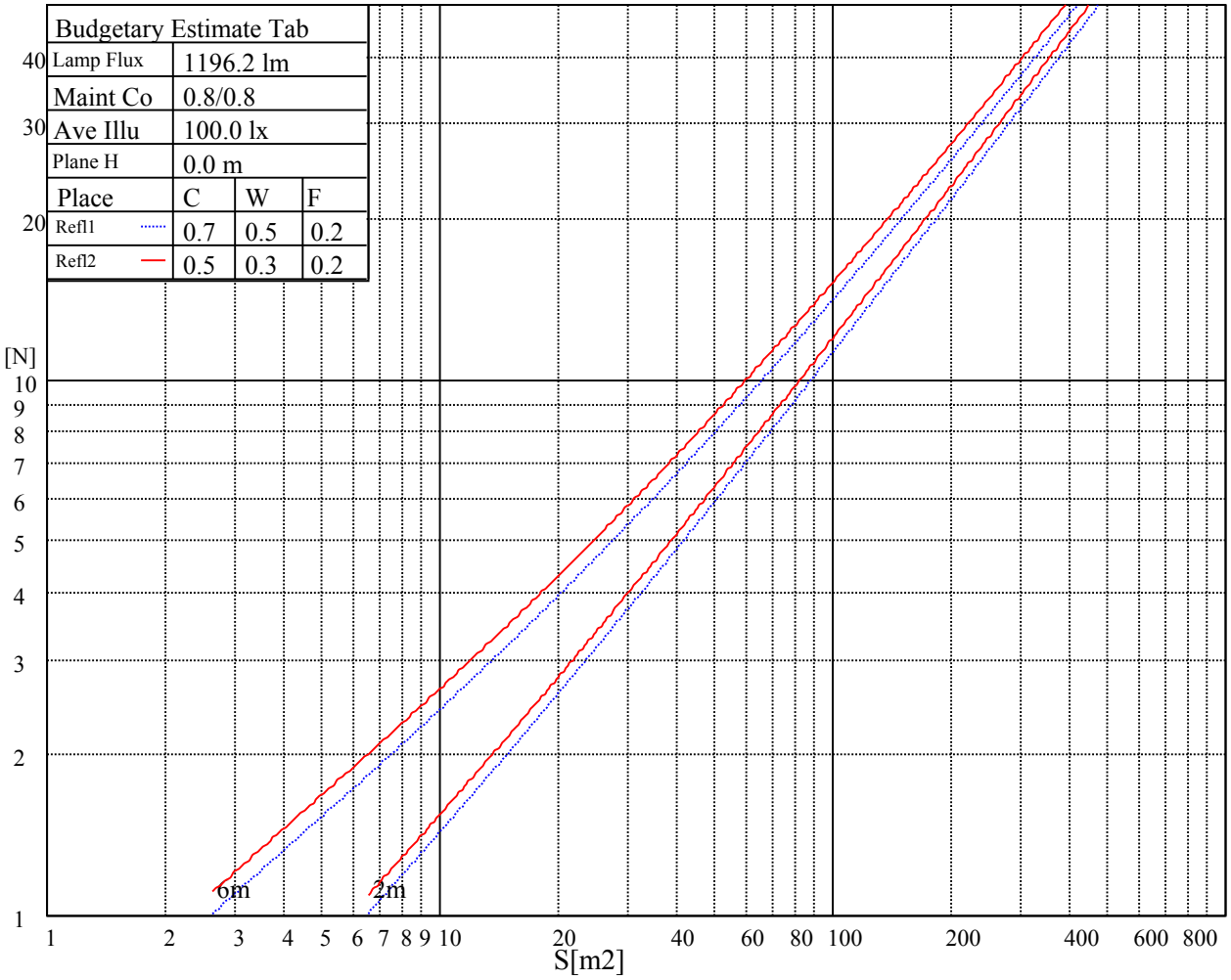
Luminance Limitting Curve



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		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

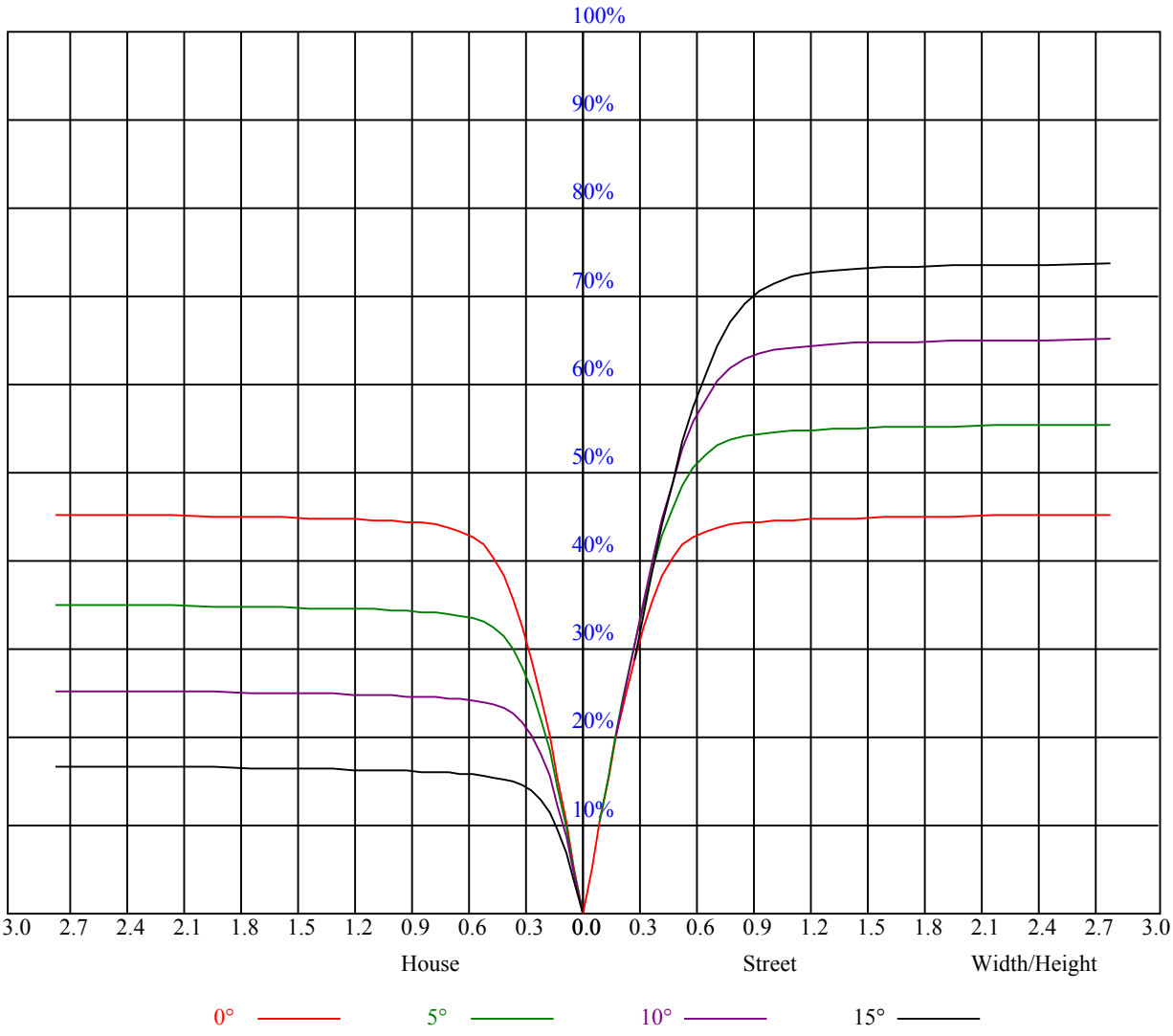


Equipment: GMS1980	Date: 2023/12/07	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.89	0.94	0.90	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.81
3	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.76
4	0.85	0.80	0.77	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.72
5	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.72	0.68	0.64	0.72	0.67	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	0.61	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	0.58	0.64	0.60	0.58	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	0.58	0.55	0.61	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/07
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	1782.39	1790.69	1800.65	1805.63	1806.19	1805.08	1803.97	1796.78	1781.28
45.0	1774.08	1785.71	1803.97	1825.01	1837.74	1846.04	1854.90	1863.20	1863.20
90.0	1784.60	1803.97	1822.24	1831.65	1832.76	1836.63	1838.85	1835.53	1825.56
135.0	1770.76	1771.32	1775.74	1781.83	1785.15	1781.83	1776.30	1768.55	1762.46
180.0	1782.39	1775.19	1765.78	1755.26	1744.19	1734.78	1723.71	1710.43	1691.61
225.0	1774.08	1759.69	1739.76	1724.26	1711.53	1692.16	1664.48	1642.89	1614.11
270.0	1784.60	1775.74	1759.69	1741.98	1725.37	1715.96	1699.36	1676.66	1649.54
315.0	1770.76	1764.12	1755.82	1751.94	1745.85	1733.67	1720.94	1705.44	1693.82
360.0	1782.39	1790.69	1800.65	1805.63	1806.19	1805.08	1803.97	1796.78	1781.28

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1759.14	1738.10	1709.87	1673.89	1627.40	1584.22	1536.06	1488.46	1419.82
45.0	1851.58	1837.19	1815.60	1780.17	1746.41	1702.12	1653.97	1588.65	1530.53
90.0	1810.06	1780.73	1749.73	1713.75	1663.93	1617.43	1567.61	1503.40	1445.84
135.0	1752.49	1730.91	1702.68	1682.75	1645.66	1611.34	1569.27	1508.39	1457.46
180.0	1672.79	1655.63	1631.82	1613.56	1590.31	1559.31	1526.65	1493.99	1449.16
225.0	1589.20	1566.51	1539.94	1522.22	1498.42	1472.96	1433.10	1396.57	1357.82
270.0	1626.84	1605.81	1588.65	1562.08	1539.94	1518.35	1495.10	1457.46	1421.48
315.0	1683.86	1664.48	1644.56	1620.75	1591.42	1552.11	1515.58	1474.62	1432.55
360.0	1759.14	1738.10	1709.87	1673.89	1627.40	1584.22	1536.06	1488.46	1419.82

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1354.50	1281.44	1097.27	1097.27	1011.25	898.78	807.06	714.50	601.69
45.0	1471.85	1407.09	1313.54	1231.62	1145.27	1034.56	942.67	848.57	732.33
90.0	1365.02	1288.63	1100.21	1100.21	1017.29	932.98	843.04	754.36	641.55
135.0	1401.00	1345.09	1270.37	1200.07	1125.89	1042.86	935.48	844.70	753.36
180.0	1405.98	1358.38	1300.81	1222.76	1153.57	1083.82	1004.11	896.73	806.50
225.0	1313.54	1244.35	1095.12	1095.12	1040.20	943.23	859.20	749.21	658.87
270.0	1367.23	1317.42	1263.72	1191.76	1123.12	1045.63	962.05	851.34	757.79
315.0	1372.77	1316.31	1203.39	1096.06	1076.02	993.04	882.67	790.34	694.85
360.0	1354.50	1281.44	1097.27	1097.27	1011.25	898.78	807.06	714.50	601.69

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	512.52	431.76	360.63	285.29	235.64	194.24	160.41	126.04	103.57
45.0	641.55	532.50	451.69	379.73	314.96	285.62	285.62	162.63	133.07
90.0	552.48	469.12	393.90	313.30	259.22	213.61	167.28	137.72	107.88
135.0	637.12	548.55	465.52	373.64	309.98	281.20	281.20	161.19	132.24
180.0	714.06	597.82	510.36	409.62	339.87	281.20	281.20	178.40	146.80
225.0	569.64	465.14	388.97	324.32	257.17	213.33	176.80	145.91	114.25
270.0	665.90	576.78	471.61	396.33	329.35	286.18	286.18	174.36	137.94
315.0	577.67	491.71	410.72	342.58	270.18	225.40	186.87	154.77	122.50
360.0	512.52	431.76	360.63	285.29	235.64	194.24	160.41	126.04	103.57

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	85.74	68.75	57.29	47.11	40.68	35.48	31.33	27.34	24.85
45.0	103.12	84.64	69.91	55.74	47.33	40.52	34.04	29.95	26.68
90.0	88.90	73.79	61.77	50.32	43.01	37.31	32.82	28.62	25.91
135.0	108.22	84.75	70.19	58.56	49.71	41.13	35.65	31.33	27.18
180.0	121.06	94.99	78.99	66.31	55.80	45.67	39.19	34.04	28.95
225.0	94.10	77.94	65.10	52.42	44.95	38.97	33.43	30.06	26.74
270.0	113.92	89.84	74.40	62.00	51.76	42.18	36.31	31.61	27.90
315.0	101.41	80.04	66.37	55.24	44.78	38.14	33.16	29.12	25.19
360.0	85.74	68.75	57.29	47.11	40.68	35.48	31.33	27.34	24.85

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	22.69	20.81	18.88	17.55	16.27	15.00	14.12	13.34	12.51
45.0	23.41	21.26	19.37	17.82	16.22	15.17	14.28	13.51	12.73
90.0	23.64	21.70	19.71	18.38	16.99	16.05	15.22	14.17	13.34
135.0	24.52	21.81	19.93	18.38	16.72	15.67	14.72	14.00	13.12
180.0	25.79	23.19	20.54	18.82	17.33	15.83	14.78	13.89	13.17
225.0	24.58	22.75	21.03	19.04	17.71	16.50	15.39	14.17	13.34
270.0	24.24	21.92	20.04	18.38	16.66	15.55	14.39	13.56	12.90
315.0	22.75	20.70	18.54	17.10	15.94	14.89	13.78	13.12	12.45
360.0	22.69	20.81	18.88	17.55	16.27	15.00	14.12	13.34	12.51

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.96	11.46	10.90	10.52	10.19	9.80	9.47	9.24	9.02
45.0	12.18	11.62	11.13	10.74	10.35	9.96	9.63	9.35	9.02
90.0	12.57	11.68	11.18	10.68	10.30	9.91	9.58	9.30	9.08
135.0	12.45	11.85	11.29	10.85	10.41	10.02	9.69	9.41	9.13
180.0	12.40	11.85	11.40	10.96	10.46	10.19	9.85	9.52	9.24
225.0	12.57	11.85	11.29	10.79	10.30	9.96	9.63	9.30	9.02
270.0	12.18	11.68	11.18	10.79	10.35	10.02	9.74	9.41	9.13
315.0	11.79	11.35	10.79	10.46	10.13	9.80	9.52	9.19	8.97
360.0	11.96	11.46	10.90	10.52	10.19	9.80	9.47	9.24	9.02

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.75	8.58	8.36	8.14	7.97	7.75	7.53	7.36	7.20
45.0	8.80	8.58	8.36	8.19	7.97	7.80	7.64	7.47	7.25
90.0	8.75	8.52	8.25	8.08	7.92	7.69	7.47	7.31	7.20
135.0	8.80	8.58	8.41	8.14	7.97	7.80	7.64	7.42	7.31
180.0	8.91	8.69	8.52	8.30	8.08	7.92	7.75	7.58	7.36
225.0	8.80	8.58	8.30	8.14	7.97	7.80	7.58	7.42	7.25
270.0	8.91	8.64	8.41	8.25	8.03	7.80	7.69	7.53	7.31
315.0	8.75	8.52	8.30	8.14	7.92	7.75	7.58	7.36	7.25
360.0	8.75	8.58	8.36	8.14	7.97	7.75	7.53	7.36	7.20

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.03	6.86	6.70	6.53	6.37	6.20	6.09	5.92	5.70
45.0	7.09	6.92	6.81	6.59	6.42	6.25	6.09	5.98	5.81
90.0	6.97	6.81	6.64	6.53	6.31	6.20	6.03	5.81	5.70
135.0	7.14	6.97	6.75	6.64	6.48	6.31	6.14	5.98	5.81
180.0	7.20	7.09	6.92	6.75	6.59	6.42	6.25	6.03	5.92
225.0	7.03	6.92	6.70	6.53	6.42	6.20	6.09	5.98	5.81
270.0	7.20	6.97	6.86	6.70	6.53	6.37	6.20	6.09	5.92
315.0	7.09	6.92	6.75	6.59	6.48	6.25	6.14	6.03	5.87
360.0	7.03	6.86	6.70	6.53	6.37	6.20	6.09	5.92	5.70

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.59	5.48	5.31	5.20	5.15	4.98	4.87	4.82	4.71
45.0	5.70	5.54	5.37	5.26	5.15	5.04	4.98	4.87	4.76
90.0	5.59	5.42	5.31	5.26	5.09	4.98	4.93	4.87	4.76
135.0	5.70	5.54	5.42	5.31	5.20	5.09	4.98	4.93	4.76
180.0	5.76	5.59	5.42	5.37	5.20	5.15	5.04	4.93	4.82
225.0	5.70	5.54	5.42	5.26	5.15	5.04	4.98	4.87	4.76
270.0	5.81	5.65	5.48	5.37	5.26	5.20	5.04	4.93	4.82
315.0	5.70	5.54	5.42	5.31	5.26	5.09	4.98	4.87	4.76
360.0	5.59	5.48	5.31	5.20	5.15	4.98	4.87	4.82	4.71

Intensity data(cd)

C/γ(°)	90.0
0.0	4.71
45.0	4.71
90.0	4.76
135.0	4.76
180.0	4.71
225.0	4.71
270.0	4.71
315.0	4.71
360.0	4.71