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NT

Client:
LumCAT: 1-1379-L
Luminaire: 92.70.427.00
Report No: 20231110-B013
Ballast type: AC

Test No: 20231110-C013	Voltage(V): 34.740
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1750.7	Power (W): 11.116
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1595.69, Efficiency(%): 91.15% , Luminous Efficacy(lm/W): 143.55
Central intensity(cd): 3734.845, Maximum intensity(cd): 3734.845
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.2
[C90/270]Total=37.2
Field angle(10%Imax): [C0/180]Total=60.2
[C90/270]Total=60.2
Beam angle of C0 plane : 37.19
Aveage BeamAngle(IEC 61341):37.19
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.59 C90_270=0.59
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.15%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.026%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3734.846	0.000	0	0.00%	0.00%
1.0	3734.707	3.574	3.574	0.20%	0.22%
2.0	3732.147	10.717	14.291	0.61%	0.90%
3.0	3720.869	17.825	32.116	1.02%	2.01%
4.0	3699.350	24.838	56.954	1.42%	3.57%
5.0	3663.855	31.676	88.63	1.81%	5.55%
6.0	3615.213	38.253	126.884	2.19%	7.95%
7.0	3550.172	44.475	171.359	2.54%	10.74%
8.0	3464.167	50.200	221.559	2.87%	13.88%
9.0	3370.550	55.392	276.951	3.16%	17.36%
10.0	3248.426	59.899	336.85	3.42%	21.11%
11.0	3126.441	63.698	400.548	3.64%	25.10%
12.0	2976.778	66.717	467.265	3.81%	29.28%
13.0	2825.317	68.856	536.122	3.93%	33.60%
14.0	2667.006	70.301	606.423	4.02%	38.00%
15.0	2496.586	70.888	677.311	4.05%	42.45%
16.0	2323.467	70.627	747.938	4.03%	46.87%
17.0	2139.278	69.497	817.435	3.97%	51.23%
18.0	1973.633	67.813	885.248	3.87%	55.48%
19.0	1794.910	65.565	950.813	3.75%	59.59%
20.0	1624.490	62.585	1013.398	3.57%	63.51%
21.0	1401.193	58.099	1071.497	3.32%	67.15%
22.0	1242.405	53.124	1124.621	3.03%	70.48%
23.0	1149.009	50.178	1174.799	2.87%	73.62%
24.0	1014.500	47.302	1222.101	2.70%	76.59%
25.0	882.599	43.136	1265.237	2.46%	79.29%
26.0	758.171	38.731	1303.968	2.21%	81.72%
27.0	647.907	34.400	1338.368	1.96%	83.87%
28.0	544.880	30.199	1368.567	1.73%	85.77%
29.0	460.286	26.298	1394.865	1.50%	87.41%
30.0	381.116	22.718	1417.582	1.30%	88.84%
31.0	307.697	19.169	1436.751	1.09%	90.04%
32.0	253.616	16.081	1452.832	0.92%	91.05%
33.0	226.369	14.141	1466.973	0.81%	91.93%
34.0	161.259	11.731	1478.703	0.67%	92.67%
35.0	123.072	8.830	1487.534	0.50%	93.22%
36.0	105.006	7.262	1494.796	0.41%	93.68%
37.0	91.714	6.416	1501.211	0.37%	94.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.567	5.751	1506.962	0.33%	94.44%
39.0	71.067	5.176	1512.138	0.30%	94.76%
40.0	63.165	4.682	1516.819	0.27%	95.06%
41.0	56.212	4.251	1521.07	0.24%	95.32%
42.0	50.732	3.885	1524.956	0.22%	95.57%
43.0	45.473	3.564	1528.519	0.20%	95.79%
44.0	40.899	3.260	1531.779	0.19%	95.99%
45.0	37.011	2.994	1534.773	0.17%	96.18%
46.0	33.883	2.773	1537.546	0.16%	96.36%
47.0	31.199	2.588	1540.134	0.15%	96.52%
48.0	28.805	2.426	1542.56	0.14%	96.67%
49.0	26.729	2.281	1544.841	0.13%	96.81%
50.0	24.937	2.154	1546.995	0.12%	96.95%
51.0	23.477	2.048	1549.043	0.12%	97.08%
52.0	22.079	1.955	1550.998	0.11%	97.20%
53.0	20.889	1.869	1552.867	0.11%	97.32%
54.0	19.775	1.792	1554.659	0.10%	97.43%
55.0	18.834	1.723	1556.383	0.10%	97.54%
56.0	17.955	1.662	1558.045	0.09%	97.64%
57.0	17.201	1.607	1559.653	0.09%	97.74%
58.0	16.454	1.556	1561.209	0.09%	97.84%
59.0	15.797	1.508	1562.717	0.09%	97.93%
60.0	15.215	1.465	1564.182	0.08%	98.03%
61.0	14.669	1.426	1565.608	0.08%	98.11%
62.0	14.164	1.389	1566.997	0.08%	98.20%
63.0	13.686	1.354	1568.352	0.08%	98.29%
64.0	13.271	1.323	1569.674	0.08%	98.37%
65.0	12.863	1.293	1570.968	0.07%	98.45%
66.0	12.468	1.264	1572.232	0.07%	98.53%
67.0	12.109	1.236	1573.467	0.07%	98.61%
68.0	11.749	1.209	1574.676	0.07%	98.68%
69.0	11.437	1.183	1575.859	0.07%	98.76%
70.0	11.112	1.158	1577.017	0.07%	98.83%
71.0	10.829	1.134	1578.151	0.06%	98.90%
72.0	10.524	1.110	1579.261	0.06%	98.97%
73.0	10.240	1.086	1580.347	0.06%	99.04%
74.0	9.971	1.063	1581.41	0.06%	99.11%
75.0	9.687	1.039	1582.448	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.431	1.015	1583.463	0.06%	99.23%
77.0	9.189	0.993	1584.456	0.06%	99.30%
78.0	8.926	0.970	1585.425	0.06%	99.36%
79.0	8.725	0.948	1586.374	0.05%	99.42%
80.0	8.504	0.929	1587.303	0.05%	99.47%
81.0	8.303	0.909	1588.212	0.05%	99.53%
82.0	8.158	0.893	1589.104	0.05%	99.59%
83.0	7.978	0.877	1589.981	0.05%	99.64%
84.0	7.798	0.859	1590.841	0.05%	99.70%
85.0	7.639	0.843	1591.683	0.05%	99.75%
86.0	7.500	0.828	1592.511	0.05%	99.80%
87.0	7.327	0.812	1593.322	0.05%	99.85%
88.0	7.251	0.799	1594.121	0.05%	99.90%
89.0	7.113	0.787	1594.908	0.04%	99.95%
90.0	7.085	0.778	1595.687	0.04%	100.00%

Zonal flux distribution table

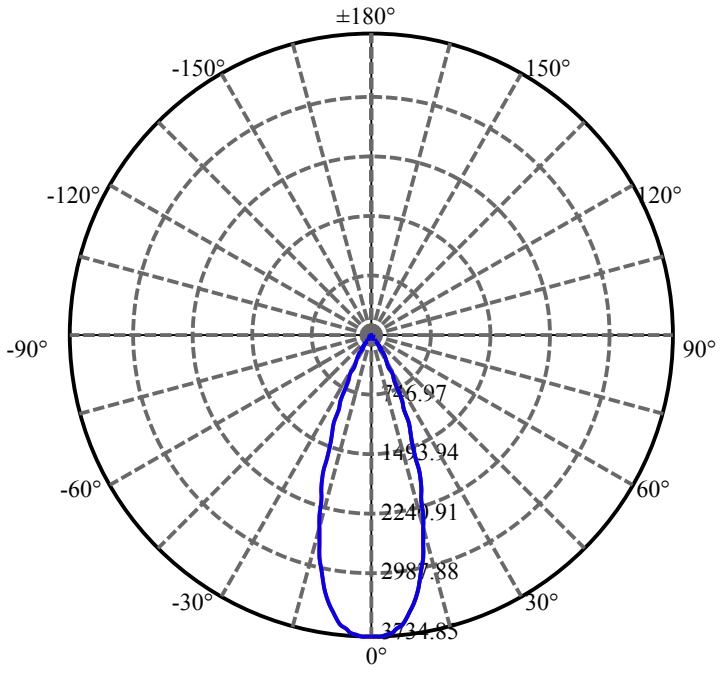
ZONAL LUMEN SUMMARY

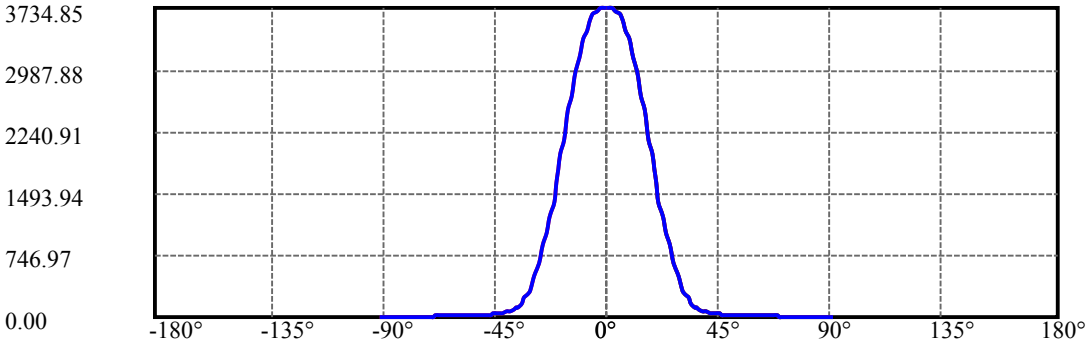
Zone	Lumens	%Lamp	%Fixt
0-30	1417.58	80.97%	88.84%
0-40	1516.82	86.64%	95.06%
0-60	1564.18	89.35%	98.03%
0-90	1594.91	91.10%	99.95%
0-120	1594.91	91.10%	99.95%
0-180	1595.69	91.15%	100.00%
60-90	30.73	1.76%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.29	1276.55	72.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	336.85
10-20	676.55
20-30	404.18
30-40	99.24
40-50	30.18
50-60	17.19
60-70	12.84
70-80	10.29
80-90	7.61
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):

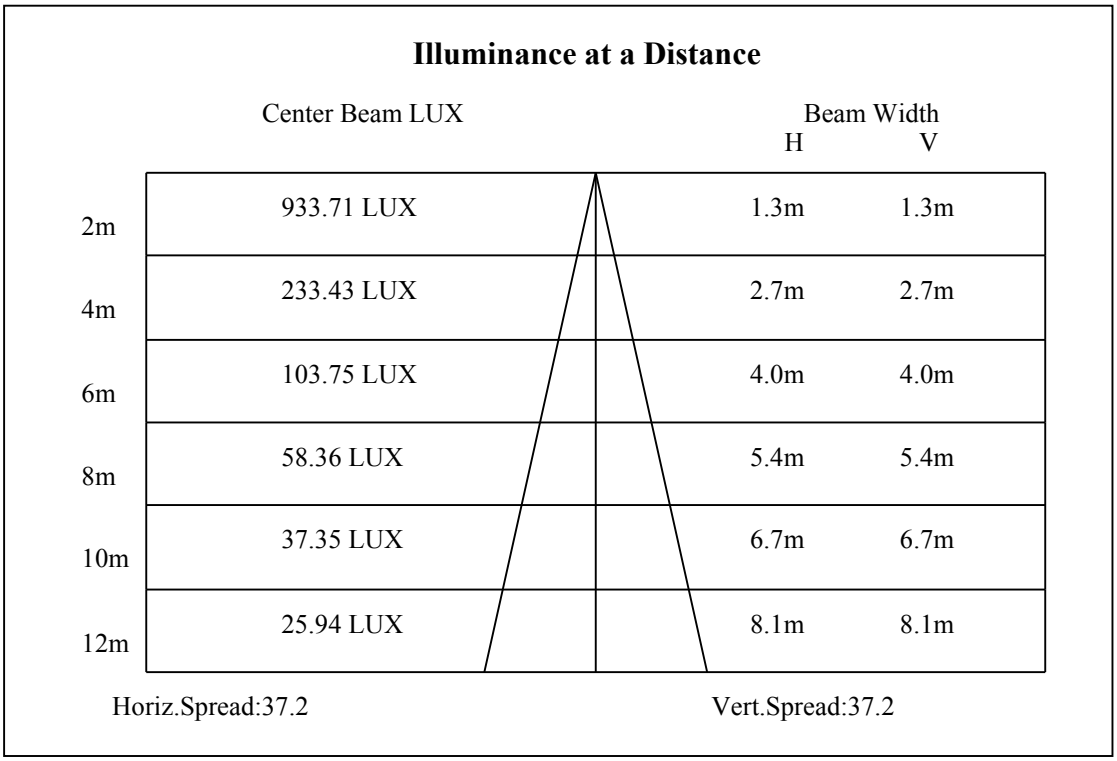
C0/C180:

C90/C270:

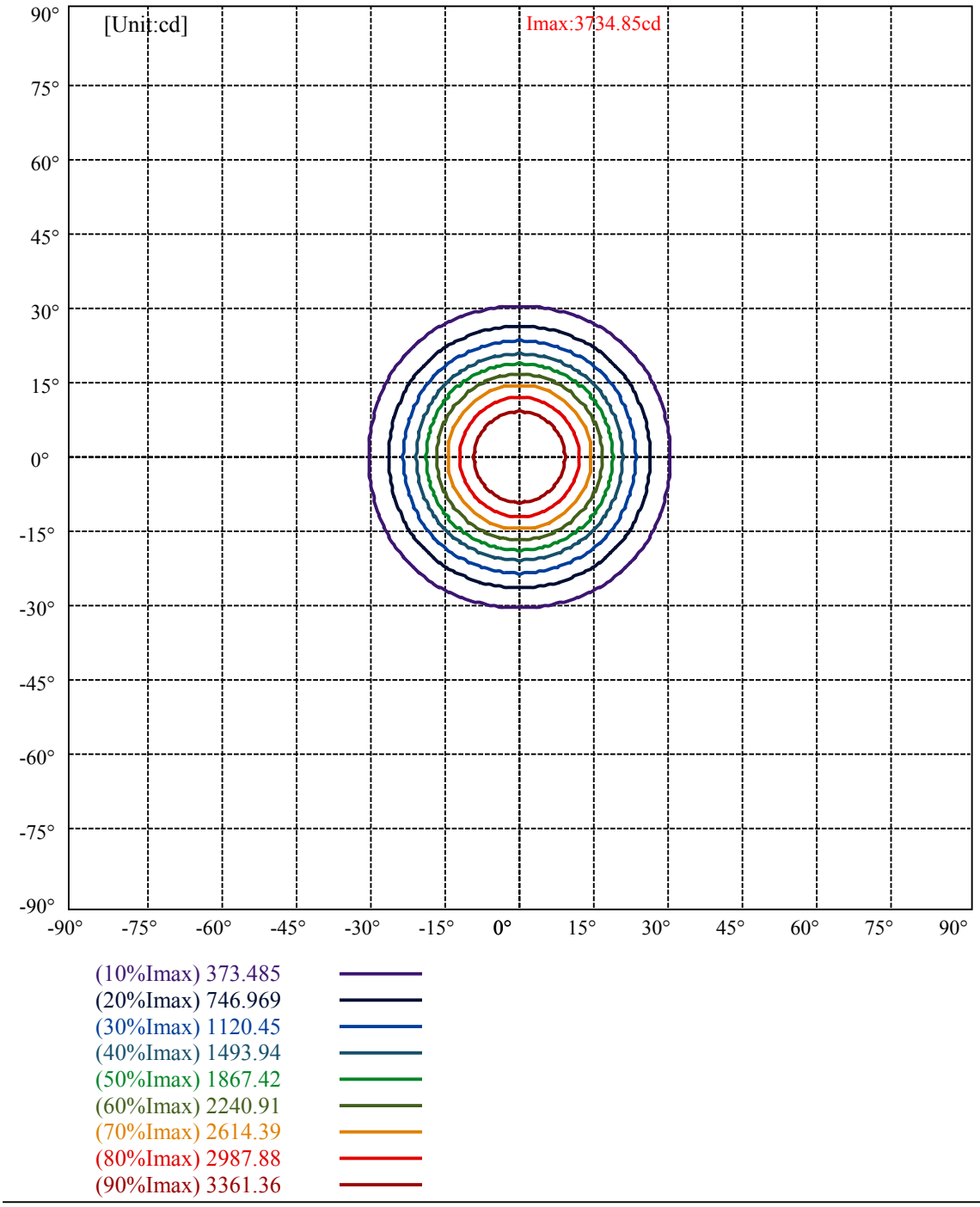
Field angle(10%Imax):C0/180Left:30.1 Right:30.1
:C90/270Left:30.1 Right:30.1

Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6

Lux distance Curve



ISO-Intensity(V-H)

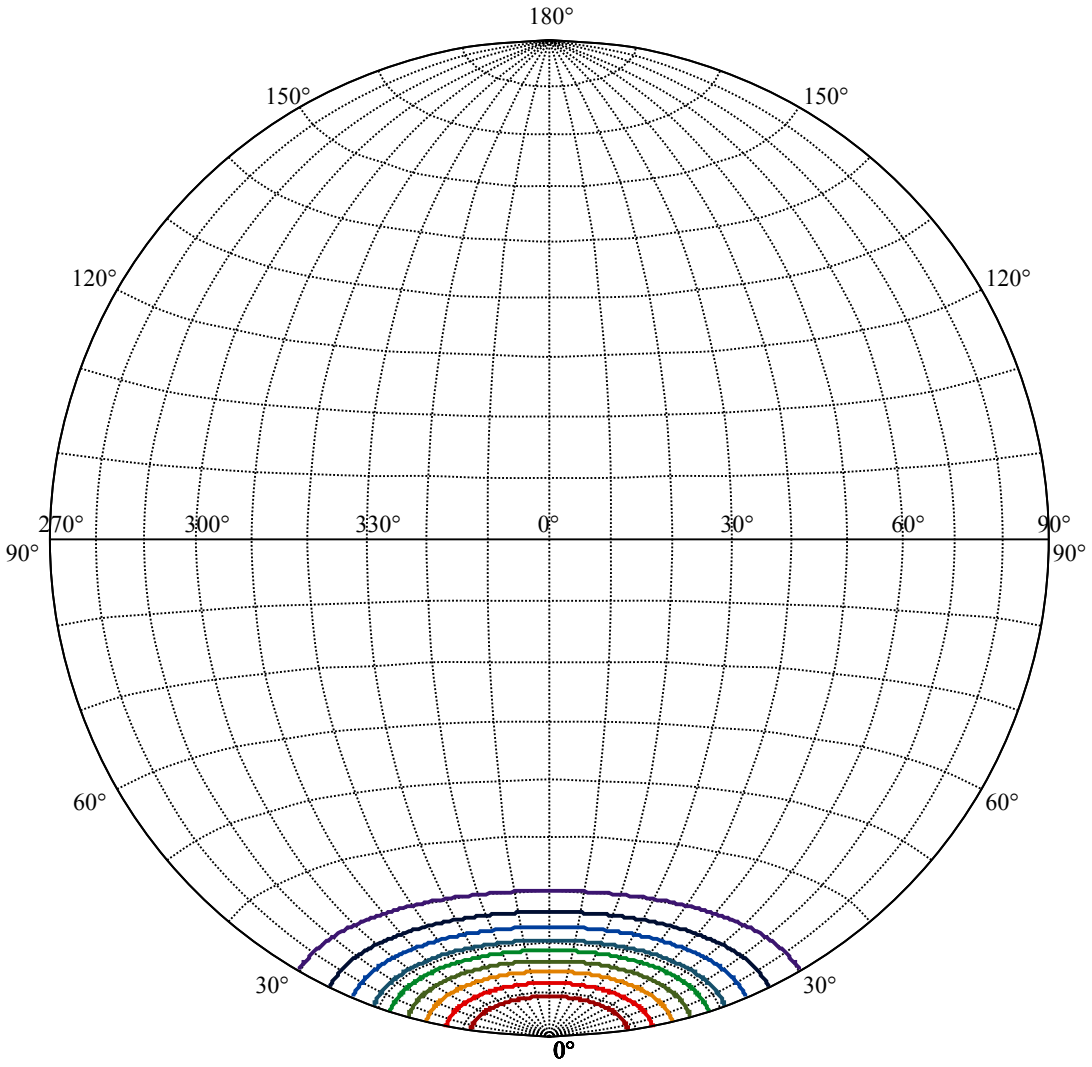


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

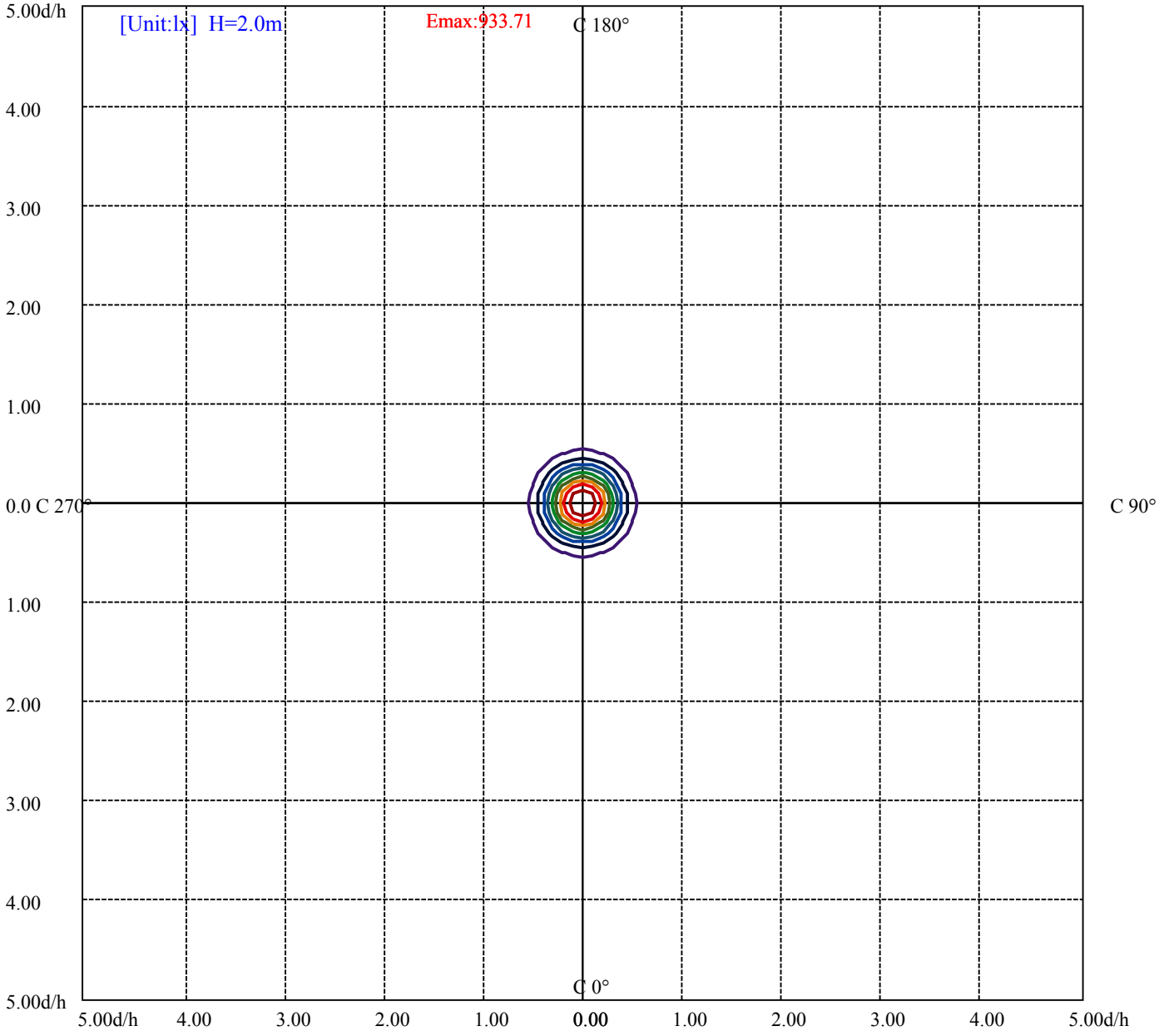
Imax:3734.85

(10%Imax) 373.485
(20%Imax) 746.969
(30%Imax) 1120.45
(40%Imax) 1493.94
(50%Imax) 1867.42
(60%Imax) 2240.91
(70%Imax) 2614.39
(80%Imax) 2987.88
(90%Imax) 3361.36

Equipment: GMS1980 Date: 2023/11/10 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1379-L

ISO illuminance diagram

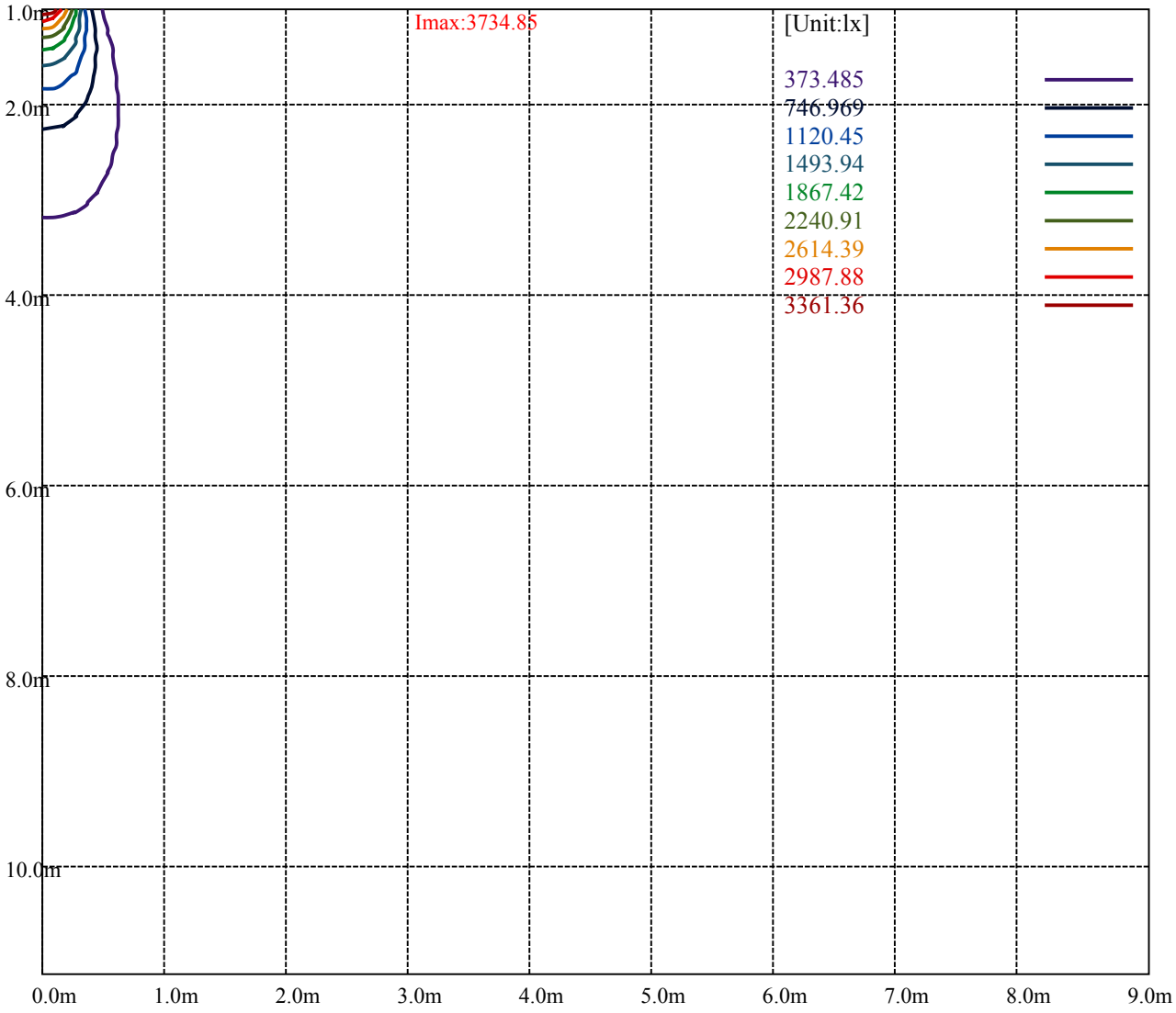


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1379-L

Luminance Limitting Curve(no luminous side)

Luminance Table

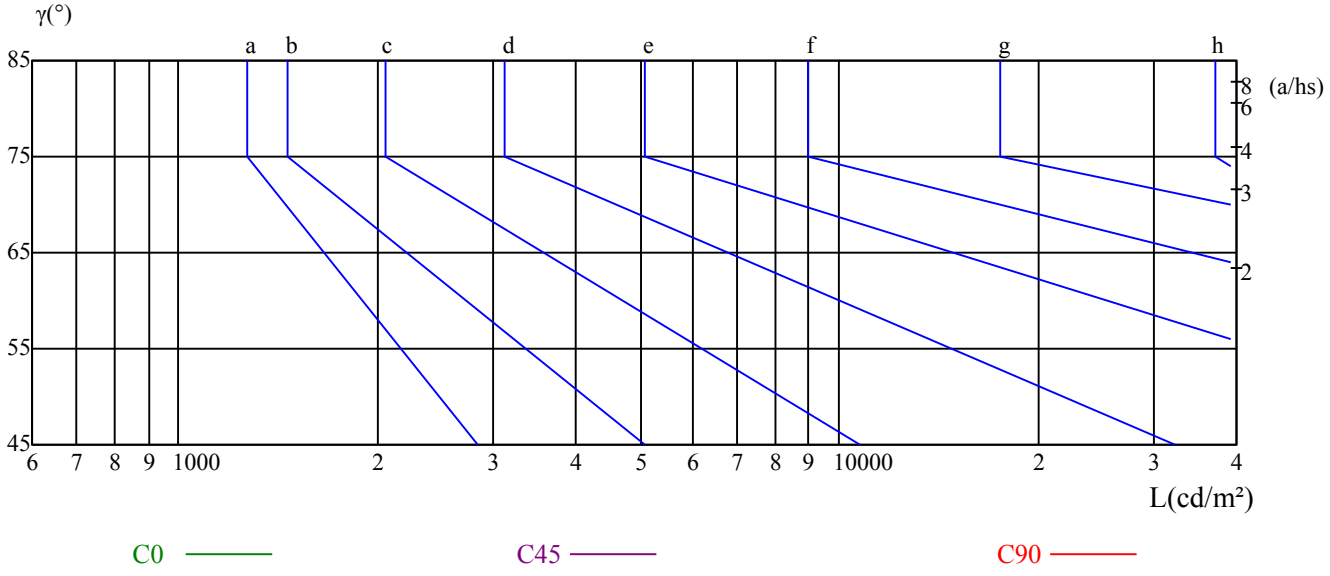
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

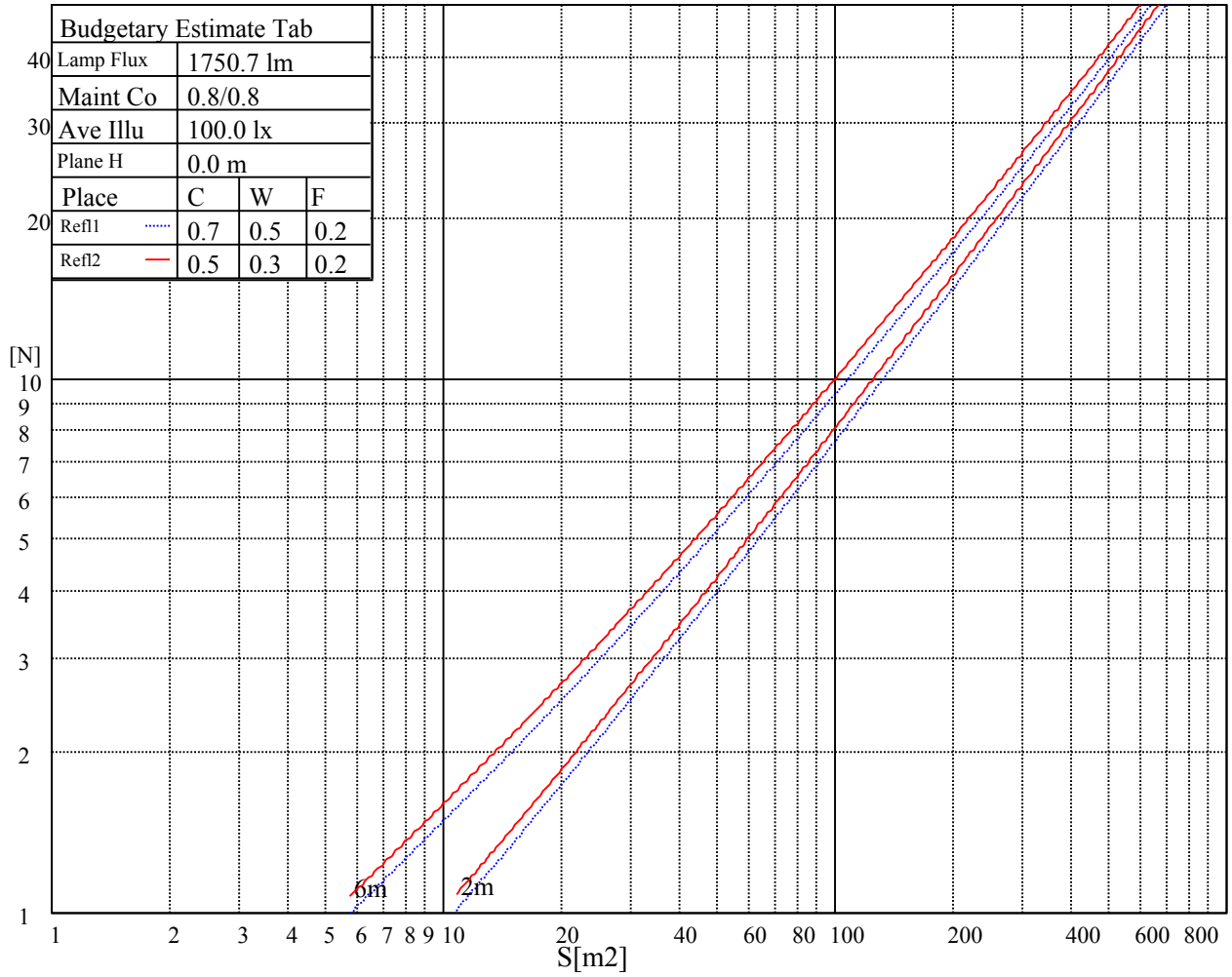
Luminance Limitting Curve



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

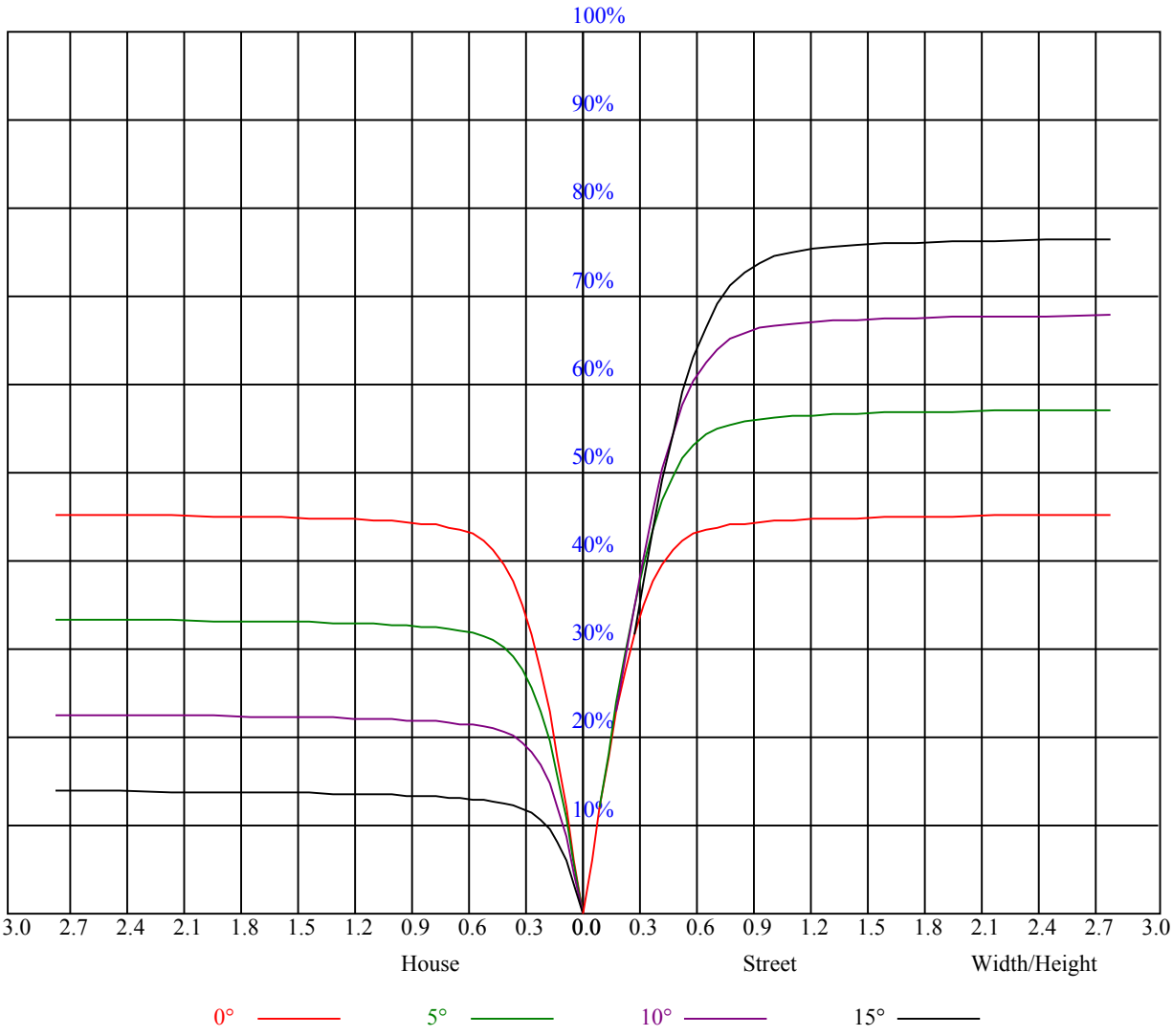


Equipment: GMS1980 Date: 2023/11/10 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/10	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	3734.15	3745.22	3735.81	3726.40	3695.41	3642.82	3580.82	3504.99	3392.07
45.0	3734.71	3735.26	3728.62	3727.51	3719.76	3689.87	3650.02	3599.09	3508.86
90.0	3733.05	3729.73	3733.05	3704.26	3669.94	3626.77	3551.49	3482.85	3391.52
135.0	3737.48	3734.15	3739.69	3725.85	3701.50	3679.35	3642.27	3568.65	3497.24
180.0	3734.15	3734.15	3737.48	3732.49	3711.46	3685.44	3657.77	3613.48	3548.72
225.0	3734.71	3734.71	3726.96	3707.58	3679.35	3641.16	3570.86	3497.79	3413.10
270.0	3733.05	3739.69	3731.39	3724.19	3706.48	3681.01	3640.05	3583.59	3509.42
315.0	3737.48	3724.74	3724.19	3718.65	3710.91	3664.41	3628.43	3550.93	3452.40
360.0	3734.15	3745.22	3735.81	3726.40	3695.41	3642.82	3580.82	3504.99	3392.07

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3280.25	3120.28	2979.68	2828.57	2637.60	2481.50	2306.58	2134.99	1927.41
45.0	3416.42	3319.56	3205.53	3044.45	2900.53	2752.73	2595.53	2394.60	2229.09
90.0	3294.09	3150.17	3019.54	2872.30	2721.74	2528.55	2368.58	2208.06	2009.89
135.0	3402.03	3273.61	3162.90	3007.36	2865.66	2713.43	2554.02	2356.96	2192.00
180.0	3473.44	3363.84	3273.61	3155.71	2999.61	2865.66	2710.67	2556.78	2355.85
225.0	3321.22	3191.14	3066.59	2901.08	2761.04	2612.14	2408.99	2242.37	2070.78
270.0	3421.96	3330.07	3223.79	3064.38	2924.88	2746.65	2591.10	2422.83	2216.91
315.0	3354.98	3238.74	3079.87	2940.38	2791.48	2635.38	2437.22	2271.16	2112.29
360.0	3280.25	3120.28	2979.68	2828.57	2637.60	2481.50	2306.58	2134.99	1927.41

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1757.48	1595.29	1442.51	1086.59	1086.59	988.45	863.18	718.43	614.26
45.0	2060.26	1847.15	1682.20	1522.22	1341.77	1197.30	1025.70	896.17	773.29
90.0	1842.17	1680.54	1485.14	1100.87	1100.87	1034.17	908.96	791.39	684.06
135.0	2028.16	1869.84	1668.36	1512.26	1364.47	1191.21	1062.79	934.37	782.15
180.0	2198.64	2036.46	1873.72	1660.61	1505.06	1371.11	1198.41	1066.11	913.89
225.0	1903.06	1701.57	1546.58	1392.14	1092.68	1092.68	973.78	862.02	730.61
270.0	2053.62	1887.56	1722.05	1510.60	1365.02	1234.39	1096.55	956.51	840.82
315.0	1945.68	1740.87	1575.36	1424.25	1082.77	1082.77	986.62	835.78	726.29
360.0	1757.48	1595.29	1442.51	1086.59	1086.59	988.45	863.18	718.43	614.26

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	502.89	427.05	356.31	278.26	223.24	177.19	143.03	117.18	103.18
45.0	656.49	534.72	451.69	379.73	312.19	280.64	280.64	151.72	127.98
90.0	559.74	471.72	392.18	322.16	247.54	198.89	160.97	129.25	113.75
135.0	670.89	547.45	463.31	388.58	320.50	288.39	288.39	147.46	119.40
180.0	798.75	694.69	598.37	487.67	410.17	336.55	288.39	288.39	154.71
225.0	635.29	550.99	454.07	383.60	313.74	238.80	187.81	148.62	115.91
270.0	734.54	618.85	533.06	448.36	355.92	288.39	288.39	168.44	136.56
315.0	624.67	513.57	433.31	360.57	278.26	220.09	173.31	138.99	113.09
360.0	502.89	427.05	356.31	278.26	223.24	177.19	143.03	117.18	103.18

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	91.55	81.70	70.91	63.32	56.90	50.10	45.17	41.02	36.70
45.0	109.10	96.65	83.81	74.84	66.92	58.56	52.97	47.83	43.18
90.0	101.68	88.84	79.88	69.91	62.99	57.07	51.98	46.94	41.74
135.0	100.85	89.95	80.48	72.13	62.83	56.68	51.59	45.83	41.52
180.0	122.61	104.40	89.23	79.21	68.80	61.39	55.30	48.93	44.23
225.0	100.36	87.96	77.38	66.54	59.51	53.58	48.60	42.79	38.80
270.0	114.25	95.87	83.97	74.01	65.82	57.18	51.59	46.55	42.18
315.0	99.64	88.34	78.88	68.58	61.55	55.13	48.66	43.90	38.86
360.0	91.55	81.70	70.91	63.32	56.90	50.10	45.17	41.02	36.70

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	33.77	31.16	28.40	26.51	24.85	23.47	21.86	20.70	19.76
45.0	38.53	35.43	32.60	30.22	27.51	25.74	24.19	22.53	21.37
90.0	38.30	35.32	32.71	29.84	27.95	25.85	24.47	23.14	21.64
135.0	36.98	34.10	31.55	29.28	26.74	25.02	23.64	22.31	20.92
180.0	39.91	35.59	32.71	30.39	28.12	25.85	24.24	22.81	21.59
225.0	35.54	32.22	29.89	27.34	25.57	24.08	22.69	21.20	20.15
270.0	37.36	34.26	31.11	28.89	26.85	24.80	23.41	22.14	20.98
315.0	35.70	32.99	30.61	27.95	26.24	24.69	23.30	21.81	20.70
360.0	33.77	31.16	28.40	26.51	24.85	23.47	21.86	20.70	19.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.82	17.88	17.10	16.27	15.67	15.17	14.45	14.00	13.56
45.0	20.04	19.10	18.27	17.49	16.66	16.00	15.39	14.83	14.23
90.0	20.65	19.71	18.60	17.88	17.10	16.50	15.72	15.11	14.61
135.0	19.87	18.99	18.16	17.33	16.61	15.89	15.33	14.78	14.23
180.0	20.20	19.21	18.32	17.60	16.77	15.94	15.39	14.83	14.45
225.0	19.21	18.32	17.33	16.66	16.05	15.33	14.83	14.39	13.84
270.0	19.71	18.76	17.93	17.21	16.38	15.78	15.28	14.67	14.17
315.0	19.71	18.71	17.93	17.16	16.38	15.78	15.33	14.72	14.23
360.0	18.82	17.88	17.10	16.27	15.67	15.17	14.45	14.00	13.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.06	12.68	12.34	12.01	11.68	11.29	11.02	10.79	10.41
45.0	13.73	13.28	12.84	12.40	12.07	11.62	11.29	10.96	10.68
90.0	14.12	13.62	13.17	12.73	12.29	11.85	11.51	11.13	10.85
135.0	13.78	13.40	13.01	12.57	12.23	11.90	11.62	11.24	10.96
180.0	13.89	13.45	13.12	12.73	12.34	12.07	11.73	11.40	11.18
225.0	13.40	13.06	12.62	12.23	11.96	11.57	11.29	11.02	10.79
270.0	13.78	13.28	12.90	12.51	12.12	11.85	11.57	11.18	10.90
315.0	13.73	13.40	12.90	12.57	12.18	11.85	11.46	11.18	10.85
360.0	13.06	12.68	12.34	12.01	11.68	11.29	11.02	10.79	10.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.13	9.74	9.52	9.19	8.91	8.75	8.52	8.41	8.14
45.0	10.35	10.13	9.80	9.58	9.30	9.08	8.80	8.58	8.41
90.0	10.46	10.19	9.91	9.63	9.41	9.08	8.86	8.69	8.47
135.0	10.68	10.41	10.13	9.80	9.58	9.35	9.02	8.80	8.64
180.0	10.90	10.57	10.35	10.07	9.80	9.58	9.30	9.08	8.86
225.0	10.52	10.24	10.02	9.74	9.47	9.24	8.97	8.69	8.47
270.0	10.63	10.41	10.13	9.80	9.58	9.30	9.02	8.80	8.58
315.0	10.52	10.24	9.91	9.69	9.41	9.13	8.91	8.75	8.47
360.0	10.13	9.74	9.52	9.19	8.91	8.75	8.52	8.41	8.14

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.03	8.03	7.80	7.64	7.47	7.42	7.25	7.25	7.42
45.0	8.19	8.03	7.86	7.64	7.53	7.42	7.31	7.20	7.14
90.0	8.30	8.14	7.86	7.69	7.47	7.42	7.31	7.20	6.97
135.0	8.41	8.25	8.03	7.86	7.75	7.53	7.36	7.31	7.09
180.0	8.58	8.36	8.19	8.03	7.86	7.69	7.42	7.36	7.20
225.0	8.25	8.14	7.97	7.75	7.58	7.42	7.31	7.20	7.09
270.0	8.36	8.19	7.97	7.92	7.69	7.53	7.31	7.25	7.03
315.0	8.30	8.14	8.14	7.86	7.75	7.58	7.36	7.25	6.97
360.0	8.03	8.03	7.80	7.64	7.47	7.42	7.25	7.25	7.42

Intensity data(cd)

C/γ(°)	90.0
0.0	7.36
45.0	7.25
90.0	7.09
135.0	6.97
180.0	7.09
225.0	6.97
270.0	6.92
315.0	7.03
360.0	7.36