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NT

Client:
LumCAT: 1-1382-L
Luminaire: 92.70.410.00
Report No: 20231106-B019
Ballast type: AC

Test No: 20231106-C019	Voltage(V): 35.110
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.246
Lamp flux(lm): 1385.0	Power (W): 8.637
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1281.50, Efficiency(%): 92.53% , Luminous Efficacy(lm/W): 148.37
Central intensity(cd): 4461.777, Maximum intensity(cd): 4461.777
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.6
[C90/270]Total=25.6
Field angle(10%Imax): [C0/180]Total=57.2
[C90/270]Total=57.2
Beam angle of C0 plane : 25.65
Aveage BeamAngle(IEC 61341):25.65
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.53%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.083%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4461.777	0.000	0	0.00%	0.00%
1.0	4443.303	4.261	4.261	0.31%	0.33%
2.0	4392.723	12.682	16.943	0.92%	1.32%
3.0	4300.698	20.792	37.735	1.50%	2.94%
4.0	4175.184	28.371	66.107	2.05%	5.16%
5.0	3997.291	35.158	101.264	2.54%	7.90%
6.0	3816.146	41.062	142.326	2.96%	11.11%
7.0	3614.175	46.120	188.446	3.33%	14.71%
8.0	3383.696	50.082	238.528	3.62%	18.61%
9.0	3146.575	52.924	291.452	3.82%	22.74%
10.0	2904.680	54.762	346.214	3.95%	27.02%
11.0	2681.605	55.818	402.032	4.03%	31.37%
12.0	2427.671	55.852	457.884	4.03%	35.73%
13.0	2188.820	54.786	512.67	3.96%	40.01%
14.0	1962.424	53.136	565.806	3.84%	44.15%
15.0	1762.735	51.141	616.946	3.69%	48.14%
16.0	1542.131	48.426	665.372	3.50%	51.92%
17.0	1368.396	45.325	710.697	3.27%	55.46%
18.0	1205.463	42.437	753.134	3.06%	58.77%
19.0	1113.126	40.339	793.473	2.91%	61.92%
20.0	1006.619	38.797	832.27	2.80%	64.94%
21.0	909.204	36.788	869.058	2.66%	67.82%
22.0	818.790	34.725	903.782	2.51%	70.53%
23.0	752.214	32.964	936.746	2.38%	73.10%
24.0	691.436	31.563	968.31	2.28%	75.56%
25.0	637.770	30.223	998.533	2.18%	77.92%
26.0	586.195	28.892	1027.425	2.09%	80.17%
27.0	537.712	27.497	1054.921	1.99%	82.32%
28.0	484.434	25.879	1080.8	1.87%	84.34%
29.0	425.046	23.795	1104.595	1.72%	86.20%
30.0	369.513	21.453	1126.048	1.55%	87.87%
31.0	309.807	18.904	1144.952	1.36%	89.34%
32.0	264.210	16.445	1161.397	1.19%	90.63%
33.0	222.459	14.337	1175.734	1.04%	91.75%
34.0	173.499	11.983	1187.717	0.87%	92.68%
35.0	116.333	9.001	1196.718	0.65%	93.38%
36.0	89.278	6.547	1203.265	0.47%	93.89%
37.0	72.610	5.280	1208.545	0.38%	94.31%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	61.415	4.474	1213.018	0.32%	94.66%
39.0	54.378	3.952	1216.971	0.29%	94.96%
40.0	49.279	3.615	1220.586	0.26%	95.25%
41.0	44.539	3.341	1223.927	0.24%	95.51%
42.0	40.360	3.085	1227.011	0.22%	95.75%
43.0	36.575	2.850	1229.861	0.21%	95.97%
44.0	33.357	2.639	1232.501	0.19%	96.18%
45.0	30.154	2.441	1234.941	0.18%	96.37%
46.0	26.833	2.229	1237.17	0.16%	96.54%
47.0	24.273	2.033	1239.203	0.15%	96.70%
48.0	21.989	1.870	1241.073	0.14%	96.85%
49.0	20.211	1.733	1242.806	0.13%	96.98%
50.0	18.474	1.613	1244.419	0.12%	97.11%
51.0	17.104	1.505	1245.924	0.11%	97.22%
52.0	16.046	1.422	1247.346	0.10%	97.33%
53.0	15.070	1.354	1248.7	0.10%	97.44%
54.0	14.260	1.293	1249.993	0.09%	97.54%
55.0	13.527	1.240	1251.233	0.09%	97.64%
56.0	12.974	1.197	1252.431	0.09%	97.73%
57.0	12.496	1.165	1253.595	0.08%	97.82%
58.0	12.067	1.136	1254.731	0.08%	97.91%
59.0	11.693	1.111	1255.842	0.08%	98.00%
60.0	11.354	1.089	1256.931	0.08%	98.08%
61.0	11.071	1.070	1258.001	0.08%	98.17%
62.0	10.801	1.054	1259.055	0.08%	98.25%
63.0	10.552	1.038	1260.093	0.07%	98.33%
64.0	10.289	1.023	1261.116	0.07%	98.41%
65.0	10.074	1.008	1262.124	0.07%	98.49%
66.0	9.839	0.994	1263.117	0.07%	98.57%
67.0	9.583	0.977	1264.094	0.07%	98.64%
68.0	9.334	0.958	1265.052	0.07%	98.72%
69.0	9.071	0.939	1265.991	0.07%	98.79%
70.0	8.808	0.918	1266.909	0.07%	98.86%
71.0	8.552	0.897	1267.807	0.06%	98.93%
72.0	8.296	0.876	1268.683	0.06%	99.00%
73.0	8.054	0.855	1269.538	0.06%	99.07%
74.0	7.805	0.834	1270.371	0.06%	99.13%
75.0	7.570	0.812	1271.184	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.348	0.792	1271.976	0.06%	99.26%
77.0	7.168	0.774	1272.749	0.06%	99.32%
78.0	6.988	0.758	1273.507	0.05%	99.38%
79.0	6.808	0.741	1274.249	0.05%	99.43%
80.0	6.649	0.726	1274.974	0.05%	99.49%
81.0	6.504	0.711	1275.685	0.05%	99.55%
82.0	6.373	0.698	1276.384	0.05%	99.60%
83.0	6.234	0.685	1277.069	0.05%	99.65%
84.0	6.089	0.671	1277.74	0.05%	99.71%
85.0	5.971	0.658	1278.399	0.05%	99.76%
86.0	5.819	0.644	1279.043	0.05%	99.81%
87.0	5.715	0.631	1279.674	0.05%	99.86%
88.0	5.577	0.619	1280.293	0.04%	99.91%
89.0	5.515	0.608	1280.901	0.04%	99.95%
90.0	5.445	0.601	1281.502	0.04%	100.00%

Zonal flux distribution table

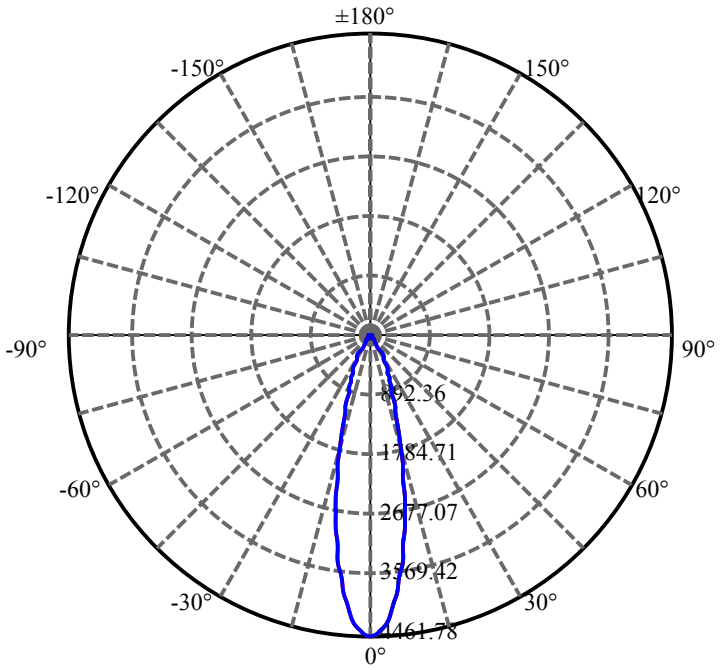
ZONAL LUMEN SUMMARY

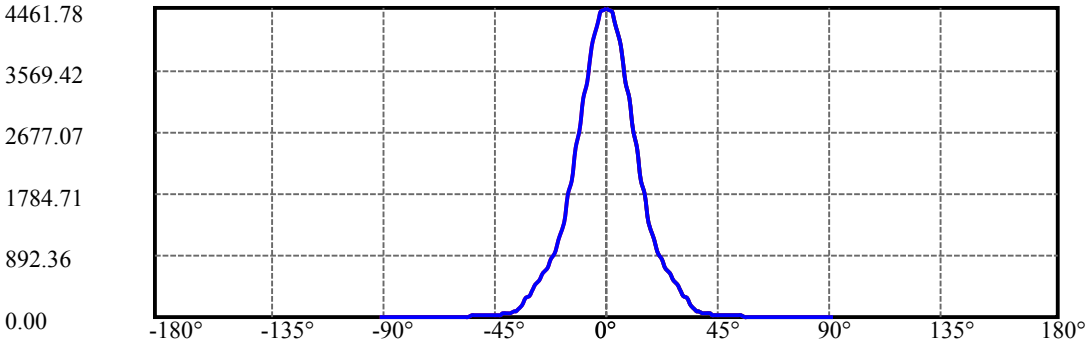
Zone	Lumens	%Lamp	%Fixt
0-30	1126.05	81.30%	87.87%
0-40	1220.59	88.13%	95.25%
0-60	1256.93	90.75%	98.08%
0-90	1280.90	92.48%	99.95%
0-120	1280.90	92.48%	99.95%
0-180	1281.50	92.53%	100.00%
60-90	23.97	1.73%	1.87%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.92	1025.20	74.02%	80.00%

ZONAL LUMEN SUMMARY

0-10	346.21
10-20	486.06
20-30	293.78
30-40	94.54
40-50	23.83
50-60	12.51
60-70	9.98
70-80	8.06
80-90	5.93
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):

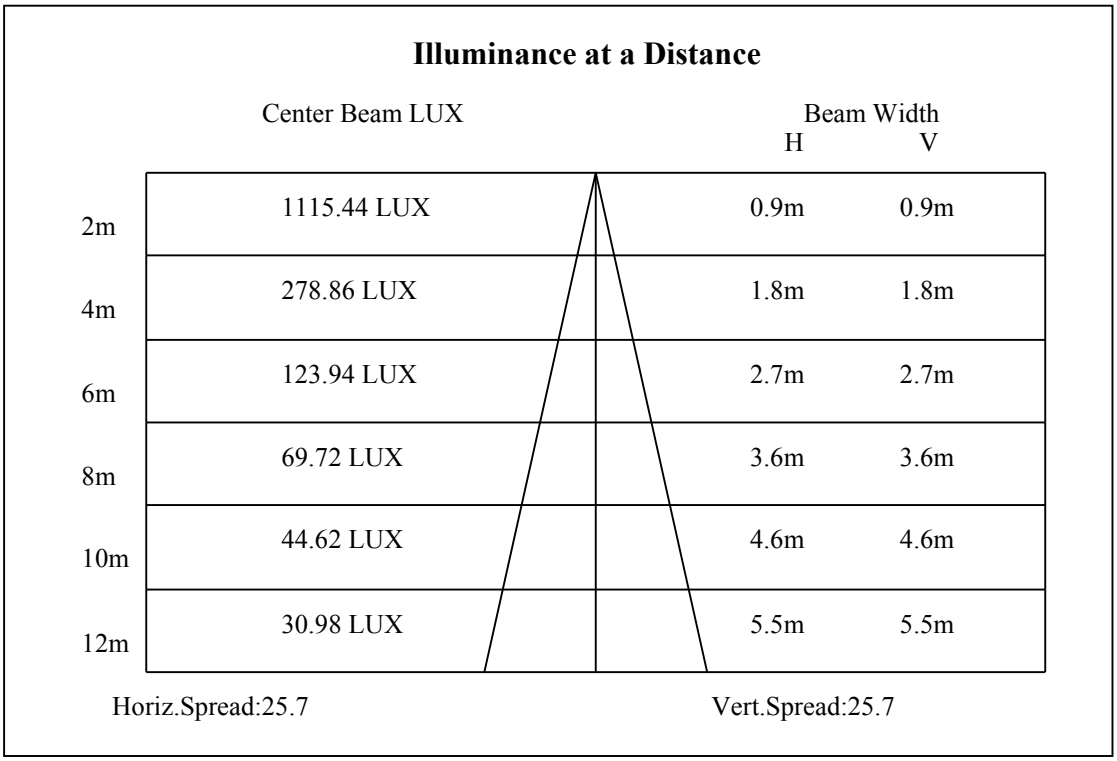
C0/C180:

C90/C270:

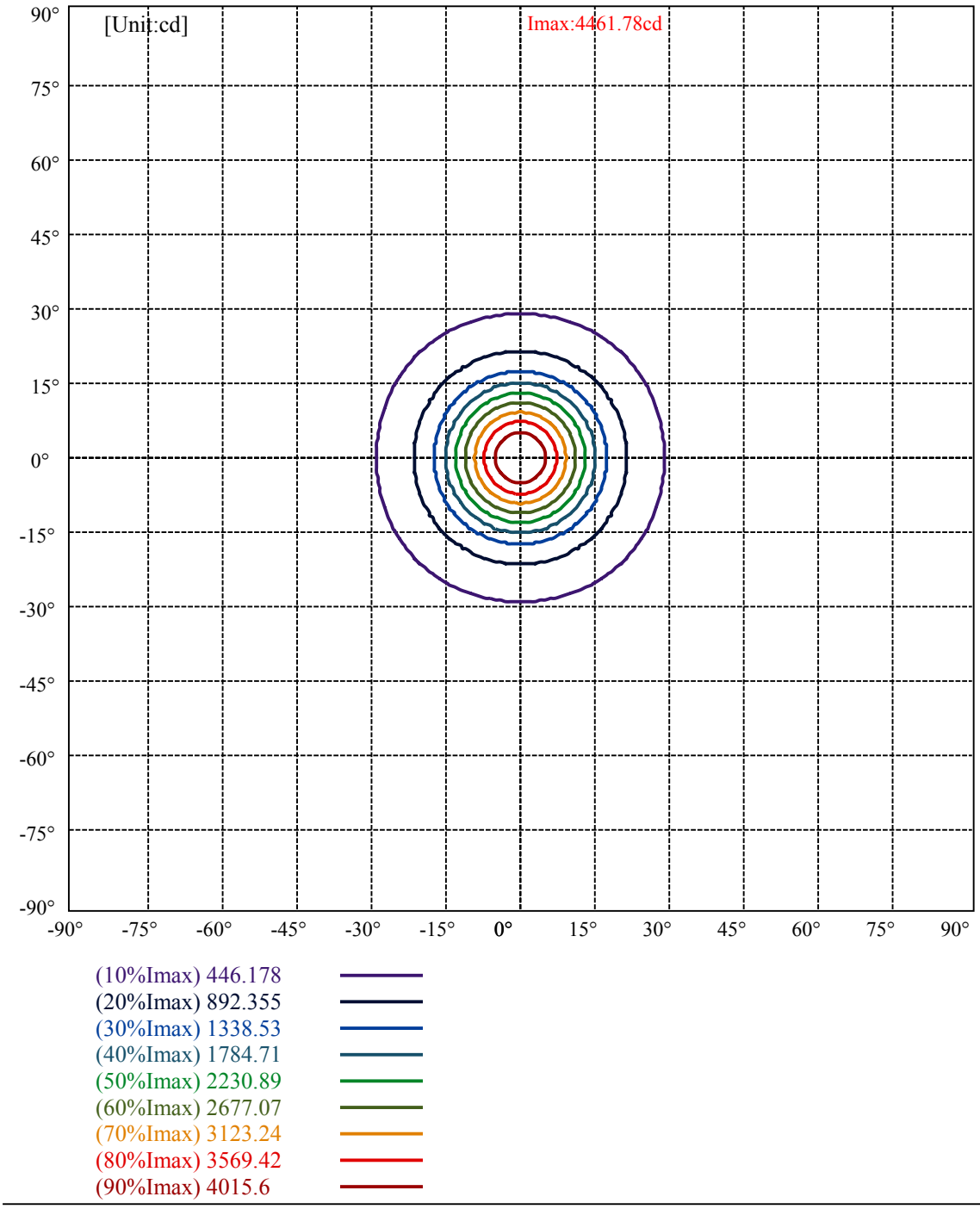
Field angle(10%Imax):C0/180Left:28.6 Right:28.6
:C90/270Left:28.6 Right:28.6

Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8
:C90/270Left:12.8 Right:12.8

Lux distance Curve



ISO-Intensity(V-H)

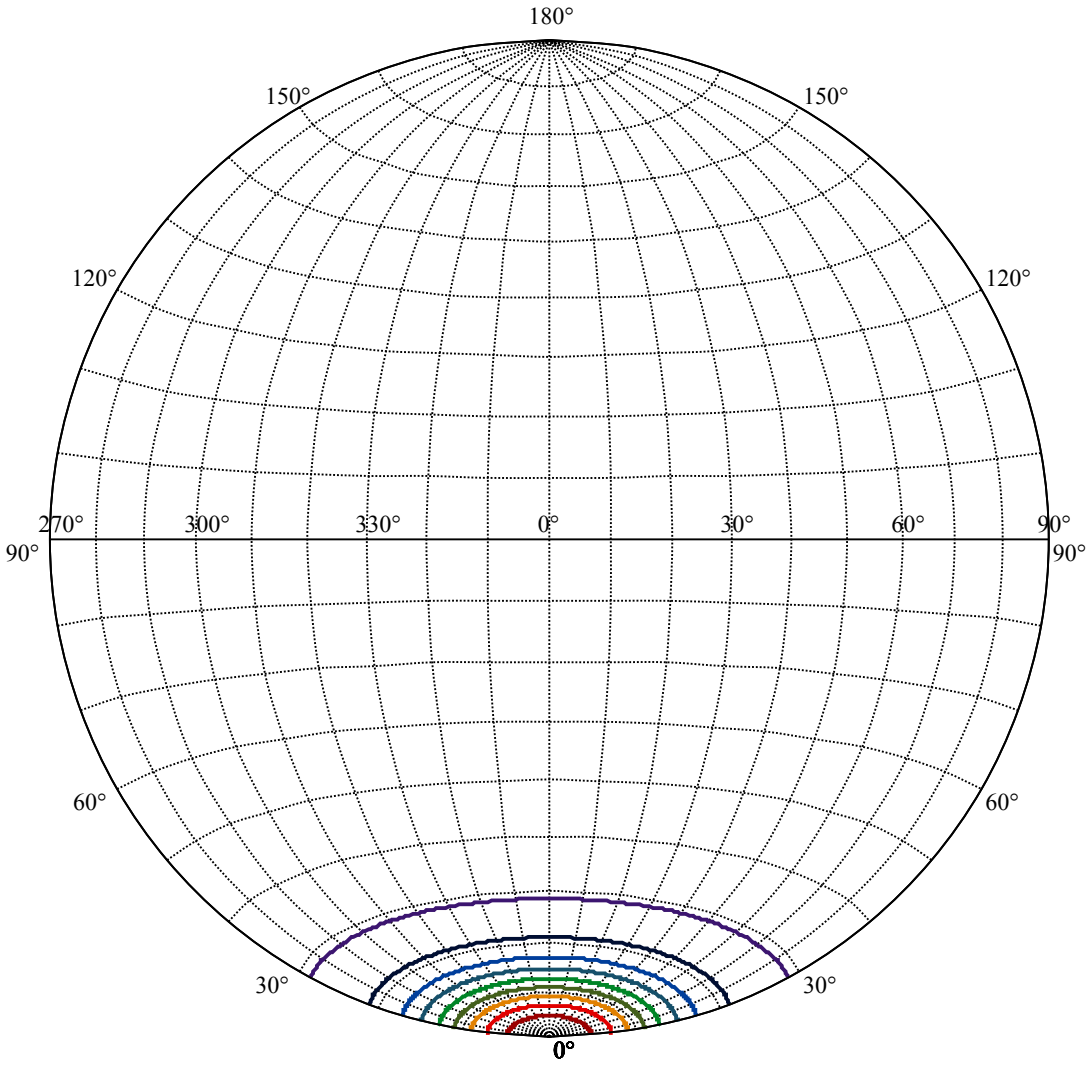


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4461.78

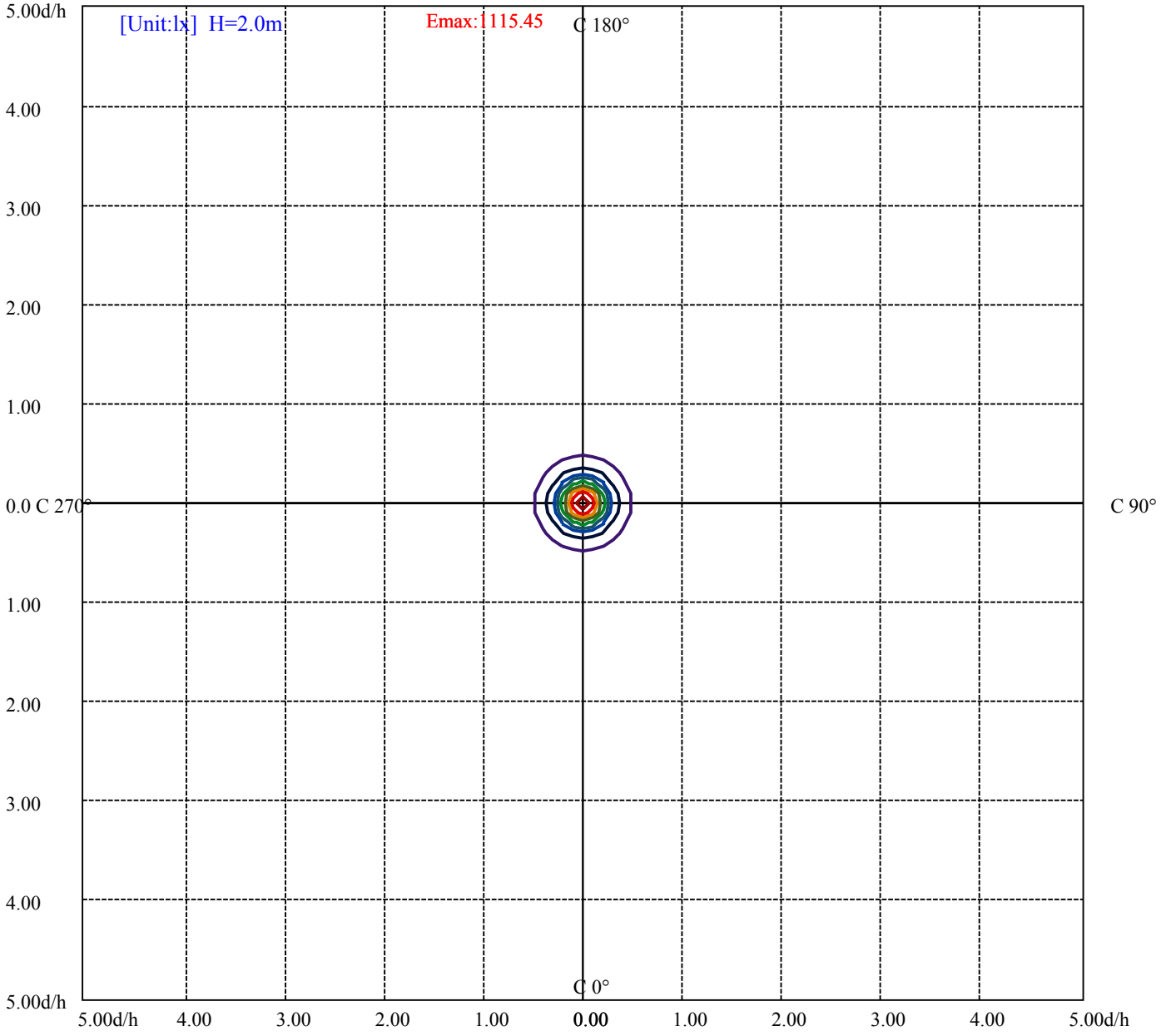
(10%Imax) 446.178
(20%Imax) 892.355
(30%Imax) 1338.53
(40%Imax) 1784.71
(50%Imax) 2230.89
(60%Imax) 2677.07
(70%Imax) 3123.24
(80%Imax) 3569.42
(90%Imax) 4015.6

Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

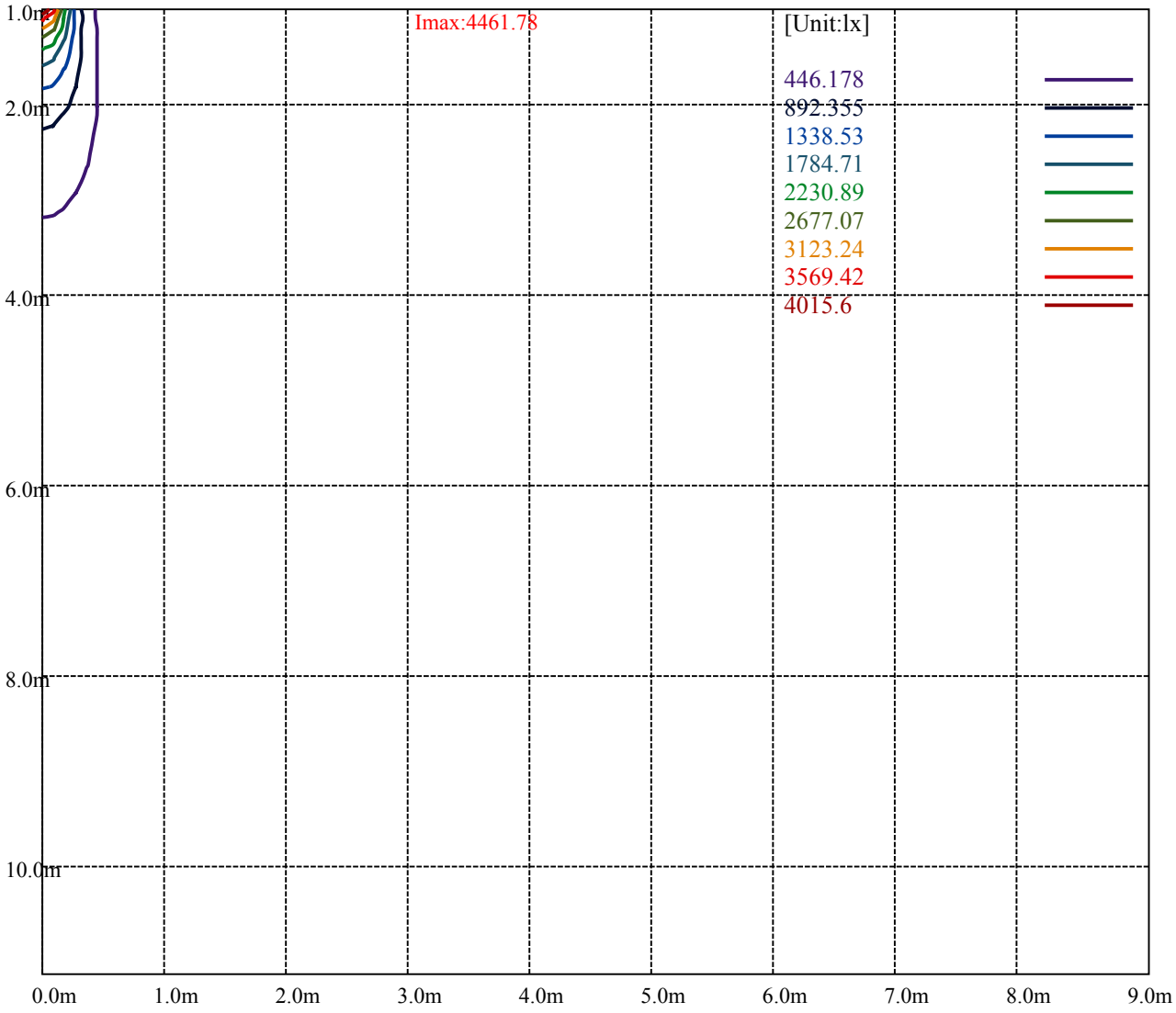
ISO illuminance diagram



(10%Emax) 111.5443
(20%Emax) 223.0887
(30%Emax) 334.6325
(40%Emax) 446.1775
(50%Emax) 557.7225
(60%Emax) 669.265
(70%Emax) 780.81
(80%Emax) 892.355
(90%Emax) 1003.9

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

NT 1-1382-L

Luminance Limitting Curve(no luminous side)

Luminance Table

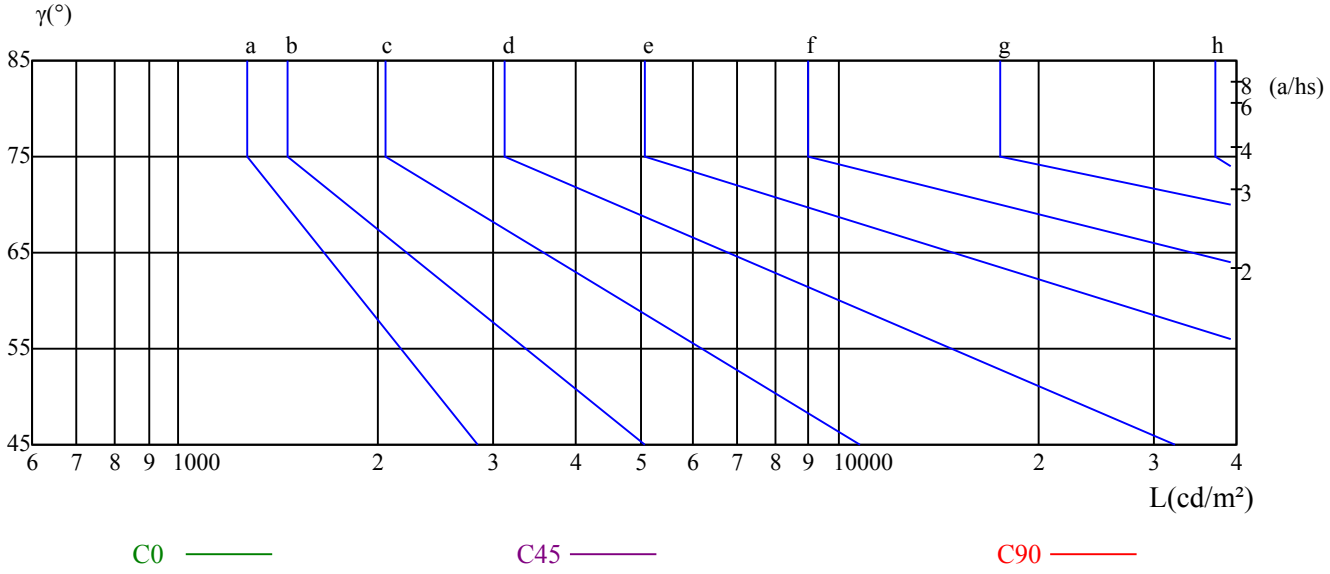
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 0.0

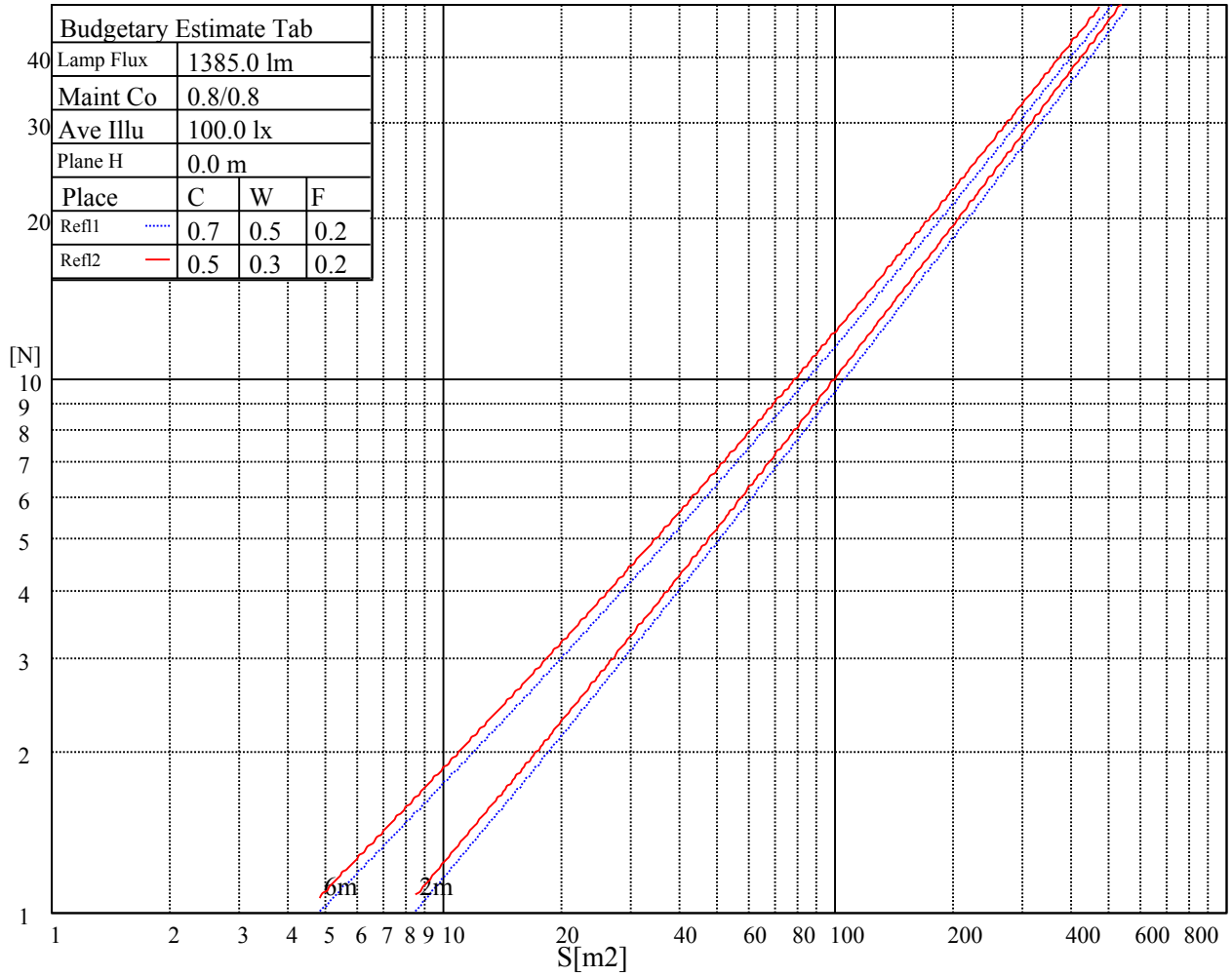
Date: 2023/11/06
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

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

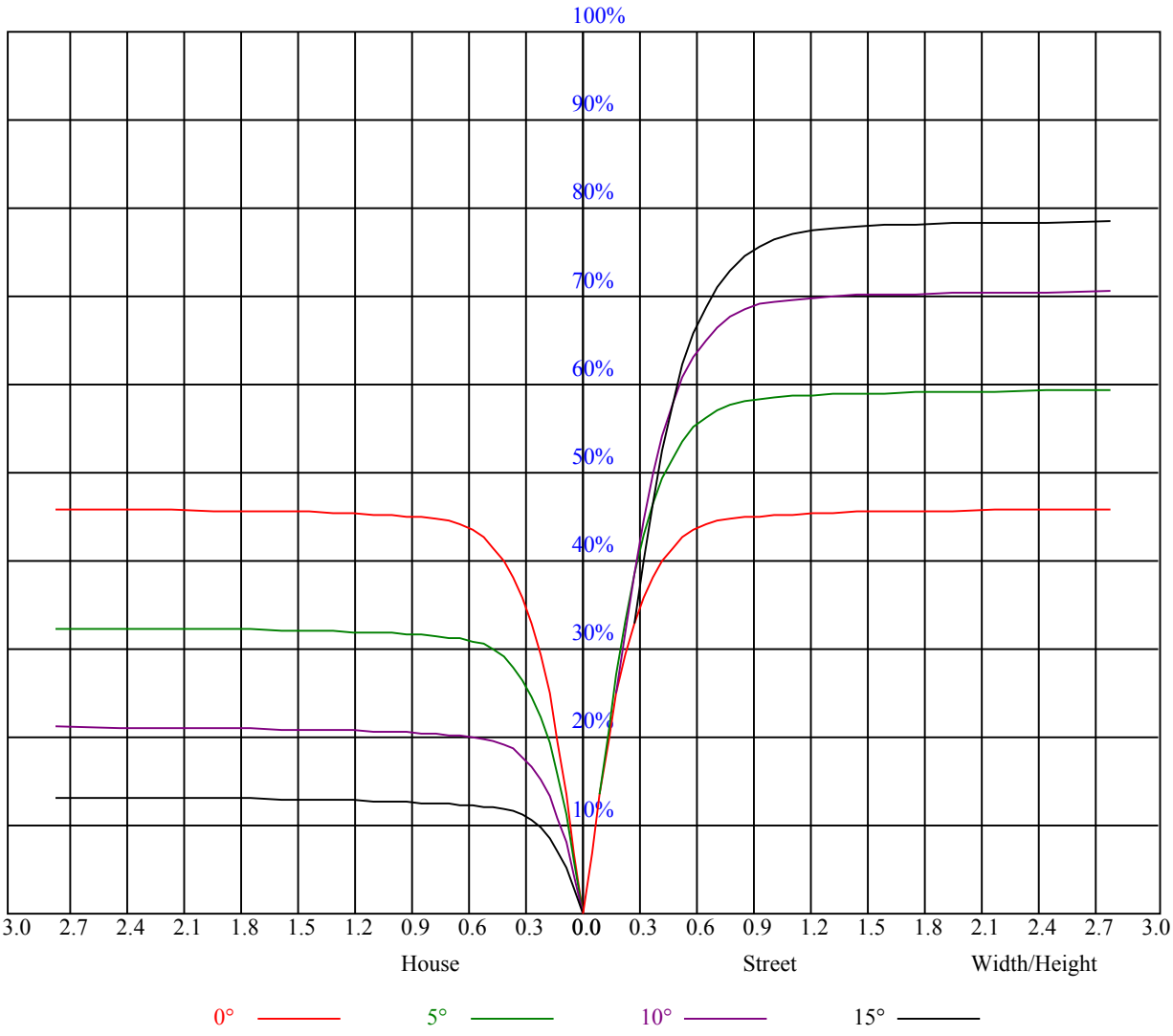


Equipment: GMS1980 Date: 2023/11/06 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.03	1.01	0.99	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.98	0.94	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.88	0.86	0.85	0.84
3	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.84	0.82	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.78	0.82	0.79	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.70	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.61	0.60

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	4442.68	4378.47	4272.74	4108.34	3937.30	3690.98	3496.69	3281.91	3061.61
45.0	4475.34	4450.98	4406.15	4315.92	4172.55	4010.92	3831.58	3585.25	3376.02
90.0	4449.88	4389.54	4304.30	4182.52	4031.96	3815.52	3622.89	3419.19	3203.31
135.0	4479.21	4460.39	4419.43	4345.26	4189.16	4038.60	3869.22	3672.16	3407.57
180.0	4442.68	4478.11	4478.11	4438.81	4378.47	4241.75	4090.63	3922.36	3718.65
225.0	4475.34	4459.29	4415.56	4328.65	4220.71	4023.10	3847.63	3648.91	3383.21
270.0	4449.88	4480.87	4452.64	4409.47	4326.99	4172.00	4012.58	3833.79	3584.70
315.0	4479.21	4448.77	4392.86	4276.62	4144.32	3985.46	3757.96	3549.83	3334.50
360.0	4442.68	4378.47	4272.74	4108.34	3937.30	3690.98	3496.69	3281.91	3061.61

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2787.61	2557.34	2333.15	2101.22	1838.29	1652.86	1479.05	1077.57	1077.57
45.0	3159.03	2874.51	2647.56	2362.49	2139.42	1921.32	1722.05	1498.98	1345.09
90.0	2983.01	2701.26	2474.86	2192.00	1977.78	1786.26	1563.74	1403.21	1077.24
135.0	3198.33	2976.36	2750.52	2479.84	2256.77	1988.85	1787.92	1604.70	1403.77
180.0	3454.62	3241.51	3017.88	2730.04	2508.63	2230.20	2013.76	1805.63	1616.88
225.0	3162.35	2885.58	2662.51	2444.97	2229.64	1971.70	1782.39	1608.58	1444.73
270.0	3369.93	3160.69	2939.83	2711.22	2425.04	2214.14	2002.14	1759.69	1592.52
315.0	3057.73	2840.19	2626.53	2399.58	2134.99	1934.05	1750.83	1578.68	1389.38
360.0	2787.61	2557.34	2333.15	2101.22	1838.29	1652.86	1479.05	1077.57	1077.57

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1050.89	953.85	848.35	780.49	708.36	659.37	616.42	560.01	508.20
45.0	1204.49	1086.04	956.51	871.82	798.20	733.44	667.56	621.62	568.48
90.0	1077.24	995.76	899.50	814.80	727.84	670.11	621.84	579.05	523.59
135.0	1265.94	1146.37	1041.20	923.85	841.37	771.63	710.74	648.74	602.25
180.0	1415.95	1274.79	1146.93	1036.22	926.62	850.78	783.25	724.03	664.24
225.0	1083.10	1083.10	1028.86	932.21	825.77	757.57	684.50	639.00	598.43
270.0	1444.73	1263.72	1136.96	1011.31	919.42	835.29	760.00	690.81	642.66
315.0	1101.37	1101.37	994.65	902.93	802.74	739.52	687.16	638.89	581.71
360.0	1050.89	953.85	848.35	780.49	708.36	659.37	616.42	560.01	508.20

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	453.40	400.43	333.23	280.92	228.72	182.28	131.85	99.97	78.38
45.0	521.98	469.40	402.42	349.28	297.25	283.96	221.25	139.55	105.01
90.0	475.60	425.72	357.14	303.73	252.02	189.42	146.58	103.90	81.20
135.0	556.30	490.99	436.19	384.15	316.62	290.05	290.05	154.33	117.90
180.0	622.73	565.71	519.22	466.63	393.56	340.42	288.95	288.95	168.99
225.0	542.69	491.32	440.01	384.38	317.07	264.15	213.89	167.33	118.79
270.0	596.16	551.88	488.77	433.97	375.85	319.39	292.27	292.27	152.72
315.0	532.83	480.03	423.40	353.05	297.36	244.00	194.84	141.71	107.66
360.0	453.40	400.43	333.23	280.92	228.72	182.28	131.85	99.97	78.38

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	65.26	59.06	53.69	48.32	44.39	40.85	36.87	33.65	30.39
45.0	80.65	63.32	56.52	51.20	46.66	41.79	38.47	34.82	31.94
90.0	67.25	59.95	54.14	47.71	43.56	40.02	36.92	33.27	30.22
135.0	91.72	74.84	63.66	57.01	51.42	46.61	41.40	38.03	34.93
180.0	131.96	101.74	76.28	66.54	59.39	53.69	47.44	43.34	39.63
225.0	90.06	71.85	59.89	53.64	48.43	43.07	39.30	35.09	32.11
270.0	108.33	83.97	68.42	58.62	52.92	46.94	42.84	39.19	35.65
315.0	78.99	66.15	58.73	51.98	47.44	43.34	39.63	35.20	31.99
360.0	65.26	59.06	53.69	48.32	44.39	40.85	36.87	33.65	30.39

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	27.46	24.52	22.53	20.76	19.21	17.60	16.55	15.61	14.56
45.0	28.95	25.52	23.30	21.42	19.65	17.93	16.83	15.83	15.00
90.0	27.12	24.02	22.09	19.93	18.49	17.27	16.00	15.17	14.45
135.0	31.05	28.01	25.30	22.75	20.92	18.93	17.66	16.61	15.72
180.0	36.31	32.44	29.34	25.85	23.75	21.86	19.76	18.38	17.10
225.0	29.06	26.18	23.08	21.15	19.43	17.93	16.38	15.33	14.50
270.0	32.44	28.67	25.57	23.08	20.92	18.76	17.33	16.16	14.95
315.0	28.84	25.30	22.97	20.98	19.32	17.49	16.33	15.28	14.28
360.0	27.46	24.52	22.53	20.76	19.21	17.60	16.55	15.61	14.56

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.84	13.12	12.62	12.18	11.79	11.40	11.13	10.85	10.63
45.0	14.12	13.51	13.01	12.40	12.01	11.68	11.29	11.02	10.74
90.0	13.78	13.12	12.68	12.29	11.96	11.68	11.29	11.02	10.68
135.0	14.72	14.06	13.45	13.01	12.45	12.12	11.79	11.40	11.13
180.0	16.11	15.06	14.34	13.73	13.17	12.57	12.18	11.79	11.46
225.0	13.73	13.01	12.51	12.01	11.68	11.35	11.02	10.79	10.57
270.0	14.17	13.34	12.79	12.34	11.85	11.51	11.18	10.96	10.68
315.0	13.62	13.01	12.40	12.01	11.62	11.24	10.96	10.74	10.52
360.0	13.84	13.12	12.62	12.18	11.79	11.40	11.13	10.85	10.63

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.30	10.07	9.85	9.63	9.35	9.08	8.75	8.52	8.25
45.0	10.52	10.24	10.07	9.85	9.63	9.35	9.13	8.86	8.58
90.0	10.46	10.24	9.96	9.69	9.41	9.13	8.86	8.58	8.30
135.0	10.90	10.57	10.35	10.13	9.80	9.58	9.30	9.02	8.75
180.0	11.13	10.85	10.57	10.30	10.02	9.80	9.52	9.24	8.97
225.0	10.41	10.07	9.91	9.69	9.47	9.19	9.02	8.75	8.52
270.0	10.46	10.24	10.02	9.80	9.63	9.41	9.13	8.86	8.64
315.0	10.24	10.02	9.85	9.63	9.35	9.13	8.86	8.64	8.41
360.0	10.30	10.07	9.85	9.63	9.35	9.08	8.75	8.52	8.25

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.97	7.75	7.47	7.31	7.09	6.92	6.81	6.59	6.48
45.0	8.36	8.08	7.80	7.58	7.31	7.14	6.97	6.81	6.64
90.0	8.03	7.80	7.58	7.36	7.14	6.97	6.86	6.64	6.48
135.0	8.47	8.19	7.97	7.69	7.47	7.25	7.03	6.86	6.70
180.0	8.69	8.47	8.19	7.92	7.64	7.47	7.20	7.03	6.86
225.0	8.30	8.03	7.75	7.53	7.31	7.14	6.97	6.81	6.64
270.0	8.41	8.19	7.97	7.69	7.53	7.36	7.14	6.92	6.81
315.0	8.14	7.92	7.69	7.47	7.31	7.09	6.92	6.81	6.59
360.0	7.97	7.75	7.47	7.31	7.09	6.92	6.81	6.59	6.48

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	5.87	5.70	5.59	5.42	5.48
45.0	6.53	6.37	6.25	6.09	5.98	5.81	5.70	5.59	5.42
90.0	6.37	6.25	6.09	5.98	5.81	5.70	5.59	5.42	5.42
135.0	6.53	6.42	6.20	6.09	5.98	5.81	5.70	5.59	5.48
180.0	6.64	6.53	6.37	6.20	6.09	5.92	5.87	5.70	5.65
225.0	6.48	6.37	6.25	6.09	5.98	5.81	5.76	5.65	5.54
270.0	6.64	6.48	6.42	6.20	6.09	5.92	5.81	5.65	5.65
315.0	6.48	6.31	6.20	6.09	5.98	5.87	5.70	5.59	5.48
360.0	6.37	6.25	6.09	5.98	5.87	5.70	5.59	5.42	5.48

Intensity data(cd)

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