NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1382-L
Luminaire: 92.70.427.00
Report No: 20231113-B004
Ballast type: AC

Test No: 20231113-C004	Voltage(V): 34.500
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.216
Lamp flux(lm): 1241.8	Power (W): 7.452
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1142.53, Efficiency(%): 92.01% , Luminous Efficacy(lm/W): 153.32
Central intensity(cd): 3794.766, Maximum intensity(cd): 3794.766
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.6
[C90/270]Total=26.6
Field angle(10%Imax): [C0/180]Total=58.4
[C90/270]Total=58.4
Beam angle of C0 plane : 26.55
Aveage BeamAngle(IEC 61341):26.55
Maximum s/h(1/2): C0_180=0.44 C90_270=0.44
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.01%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.049%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3794.766	0.000	0	0.00%	0.00%
1.0	3779.059	3.624	3.624	0.29%	0.32%
2.0	3735.676	10.786	14.41	0.87%	1.26%
3.0	3664.616	17.699	32.109	1.43%	2.81%
4.0	3556.192	24.170	56.279	1.95%	4.93%
5.0	3429.917	30.054	86.333	2.42%	7.56%
6.0	3264.894	35.183	121.516	2.83%	10.64%
7.0	3092.744	39.462	160.978	3.18%	14.09%
8.0	2911.115	42.968	203.946	3.46%	17.85%
9.0	2722.774	45.660	249.606	3.68%	21.85%
10.0	2532.773	47.561	297.167	3.83%	26.01%
11.0	2333.431	48.623	345.79	3.92%	30.27%
12.0	2134.988	48.846	394.636	3.93%	34.54%
13.0	1948.931	48.466	443.102	3.90%	38.78%
14.0	1762.943	47.512	490.614	3.83%	42.94%
15.0	1578.408	45.872	536.485	3.69%	46.96%
16.0	1346.718	42.861	579.347	3.45%	50.71%
17.0	1216.368	39.914	619.261	3.21%	54.20%
18.0	1128.079	38.655	657.916	3.11%	57.58%
19.0	1021.059	37.391	695.306	3.01%	60.86%
20.0	913.916	35.415	730.722	2.85%	63.96%
21.0	828.457	33.457	764.179	2.69%	66.88%
22.0	754.137	31.803	795.982	2.56%	69.67%
23.0	687.416	30.248	826.229	2.44%	72.32%
24.0	634.747	28.907	855.136	2.33%	74.85%
25.0	584.167	27.715	882.852	2.23%	77.27%
26.0	538.134	26.492	909.344	2.13%	79.59%
27.0	490.405	25.163	934.507	2.03%	81.79%
28.0	439.577	23.545	958.053	1.90%	83.85%
29.0	389.080	21.680	979.733	1.75%	85.75%
30.0	336.529	19.591	999.324	1.58%	87.47%
31.0	284.697	17.288	1016.612	1.39%	88.98%
32.0	245.964	15.203	1031.815	1.22%	90.31%
33.0	217.201	13.645	1045.46	1.10%	91.50%
34.0	146.383	11.003	1056.463	0.89%	92.47%
35.0	109.088	7.934	1064.397	0.64%	93.16%
36.0	82.816	6.110	1070.507	0.49%	93.70%
37.0	66.646	4.875	1075.381	0.39%	94.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	56.931	4.125	1079.506	0.33%	94.48%
39.0	50.441	3.665	1083.171	0.30%	94.80%
40.0	45.265	3.338	1086.509	0.27%	95.10%
41.0	41.100	3.075	1089.585	0.25%	95.37%
42.0	37.391	2.852	1092.436	0.23%	95.62%
43.0	34.063	2.647	1095.083	0.21%	95.85%
44.0	30.860	2.450	1097.534	0.20%	96.06%
45.0	27.704	2.251	1099.784	0.18%	96.26%
46.0	25.110	2.065	1101.85	0.17%	96.44%
47.0	22.570	1.896	1103.746	0.15%	96.61%
48.0	20.564	1.744	1105.49	0.14%	96.76%
49.0	18.703	1.612	1107.102	0.13%	96.90%
50.0	17.263	1.500	1108.602	0.12%	97.03%
51.0	16.018	1.408	1110.01	0.11%	97.15%
52.0	14.932	1.328	1111.338	0.11%	97.27%
53.0	14.032	1.260	1112.598	0.10%	97.38%
54.0	13.271	1.203	1113.801	0.10%	97.49%
55.0	12.662	1.158	1114.959	0.09%	97.59%
56.0	12.046	1.117	1116.075	0.09%	97.68%
57.0	11.590	1.081	1117.156	0.09%	97.78%
58.0	11.140	1.051	1118.207	0.08%	97.87%
59.0	10.822	1.027	1119.234	0.08%	97.96%
60.0	10.490	1.007	1120.241	0.08%	98.05%
61.0	10.192	0.987	1121.228	0.08%	98.14%
62.0	9.936	0.970	1122.198	0.08%	98.22%
63.0	9.708	0.955	1123.153	0.08%	98.30%
64.0	9.459	0.940	1124.093	0.08%	98.39%
65.0	9.223	0.925	1125.018	0.07%	98.47%
66.0	8.995	0.909	1125.927	0.07%	98.55%
67.0	8.732	0.891	1126.818	0.07%	98.63%
68.0	8.476	0.872	1127.69	0.07%	98.70%
69.0	8.255	0.854	1128.544	0.07%	98.78%
70.0	8.006	0.835	1129.379	0.07%	98.85%
71.0	7.763	0.815	1130.194	0.07%	98.92%
72.0	7.507	0.794	1130.988	0.06%	98.99%
73.0	7.293	0.774	1131.762	0.06%	99.06%
74.0	7.071	0.755	1132.517	0.06%	99.12%
75.0	6.850	0.736	1133.252	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.649	0.717	1133.969	0.06%	99.25%
77.0	6.463	0.699	1134.668	0.06%	99.31%
78.0	6.296	0.683	1135.351	0.06%	99.37%
79.0	6.137	0.668	1136.019	0.05%	99.43%
80.0	5.978	0.653	1136.672	0.05%	99.49%
81.0	5.847	0.639	1137.312	0.05%	99.54%
82.0	5.722	0.627	1137.939	0.05%	99.60%
83.0	5.591	0.615	1138.554	0.05%	99.65%
84.0	5.459	0.602	1139.156	0.05%	99.70%
85.0	5.342	0.589	1139.746	0.05%	99.76%
86.0	5.217	0.577	1140.323	0.05%	99.81%
87.0	5.127	0.566	1140.889	0.05%	99.86%
88.0	5.037	0.557	1141.446	0.04%	99.91%
89.0	4.913	0.545	1141.991	0.04%	99.95%
90.0	4.864	0.536	1142.527	0.04%	100.00%

Zonal flux distribution table

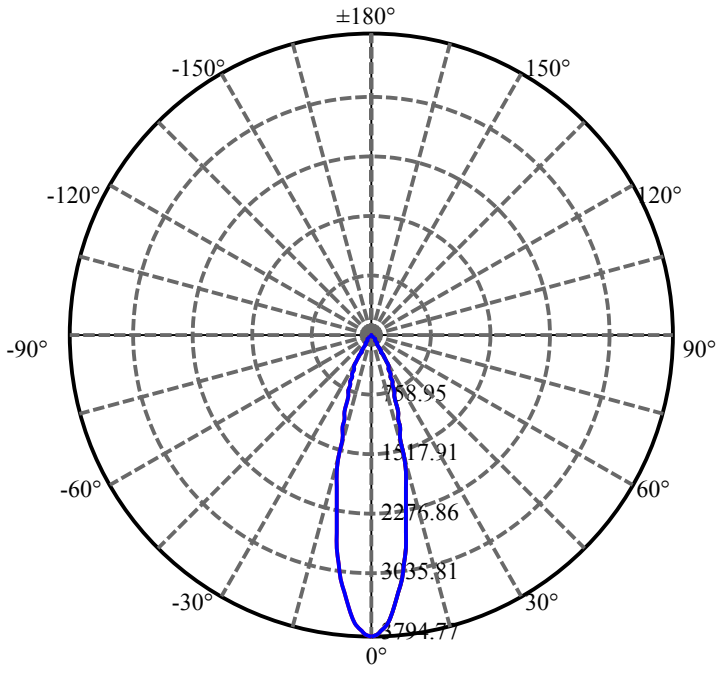
ZONAL LUMEN SUMMARY

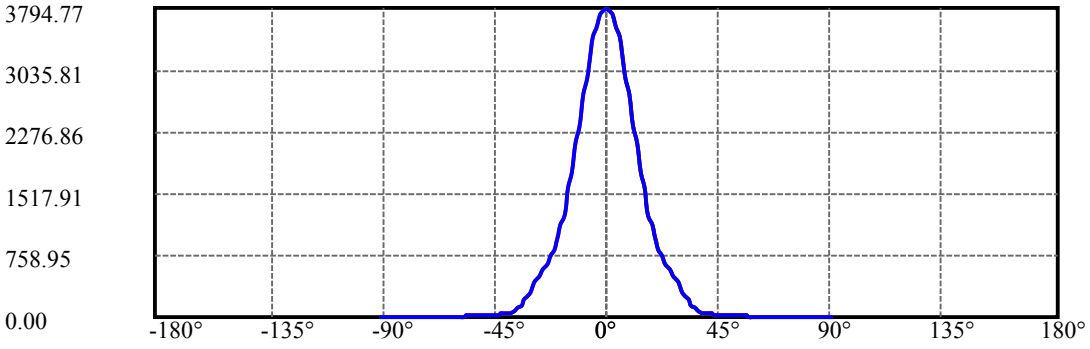
Zone	Lumens	%Lamp	%Fixt
0-30	999.32	80.47%	87.47%
0-40	1086.51	87.50%	95.10%
0-60	1120.24	90.21%	98.05%
0-90	1141.99	91.96%	99.95%
0-120	1141.99	91.96%	99.95%
0-180	1142.53	92.01%	100.00%
60-90	21.75	1.75%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.19	914.02	73.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	297.17
10-20	433.55
20-30	268.60
30-40	87.19
40-50	22.09
50-60	11.64
60-70	9.14
70-80	7.29
80-90	5.32
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):

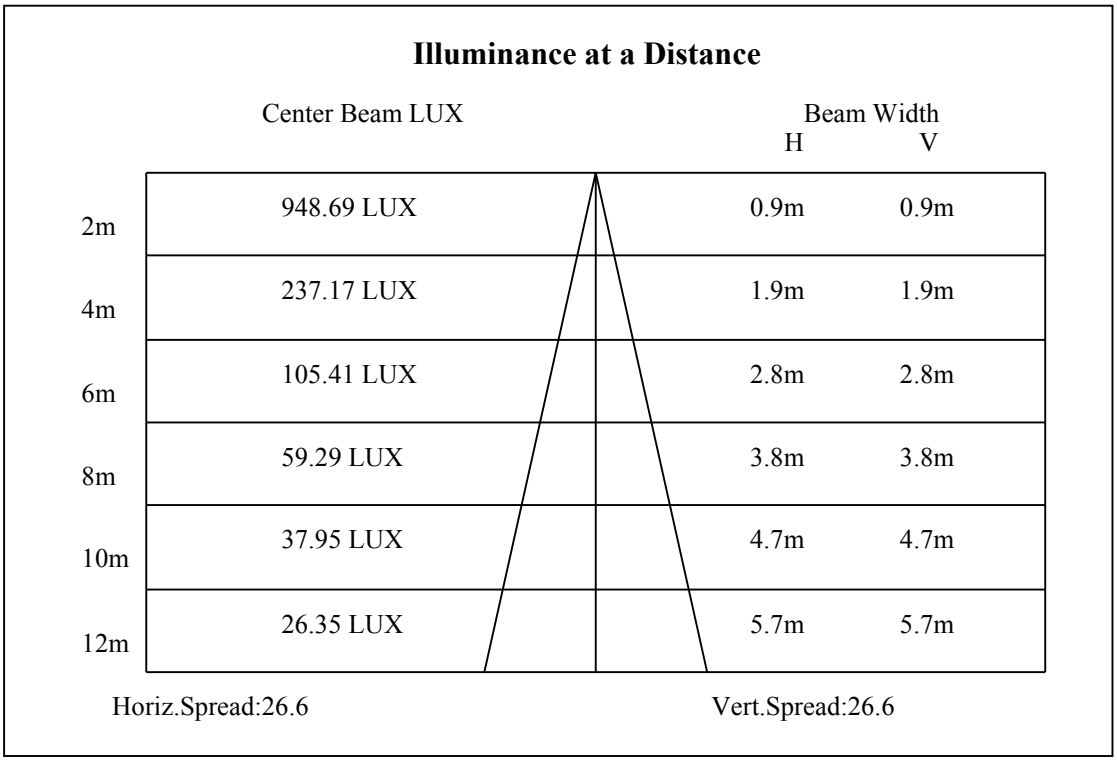
C0/C180:

C90/C270:

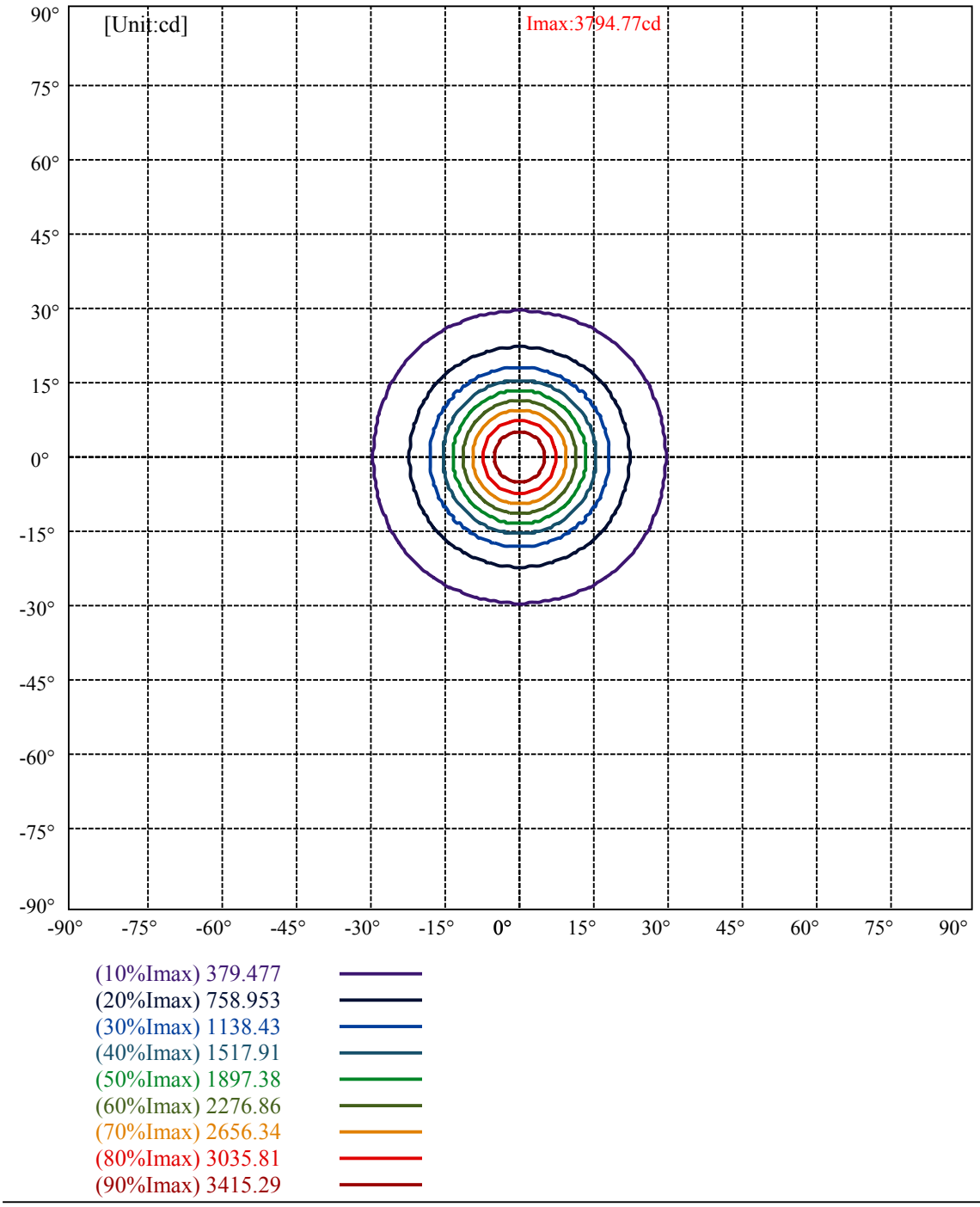
Field angle(10%Imax):C0/180Left:29.2 Right:29.2
:C90/270Left:29.2 Right:29.2

Beam Angle(50%Imax):C0/180Left:13.3 Right:13.3
:C90/270Left:13.3 Right:13.3

Lux distance Curve



ISO-Intensity(V-H)



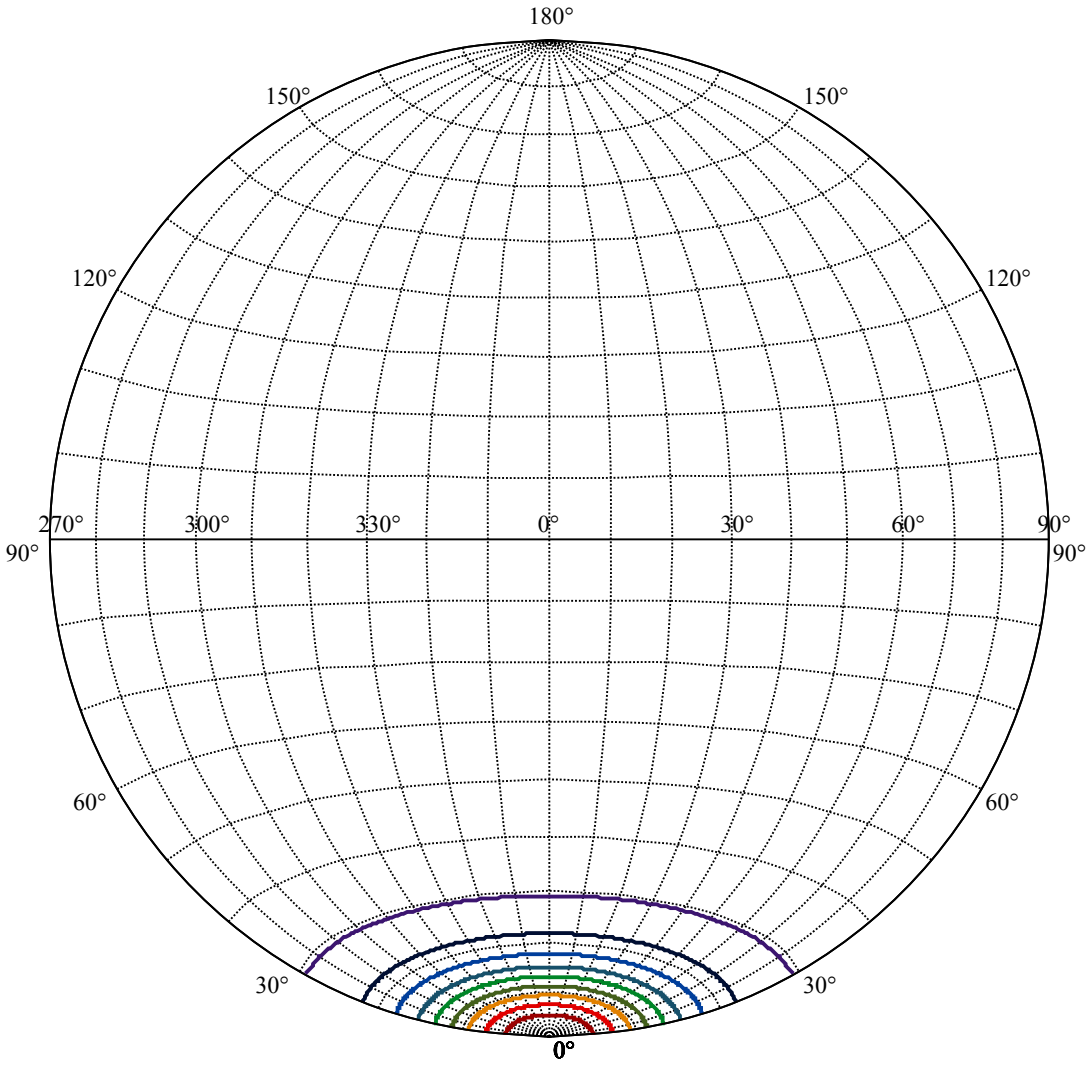
(10%Imax) 379.477
(20%Imax) 758.953
(30%Imax) 1138.43
(40%Imax) 1517.91
(50%Imax) 1897.38
(60%Imax) 2276.86
(70%Imax) 2656.34
(80%Imax) 3035.81
(90%Imax) 3415.29

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/13
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web

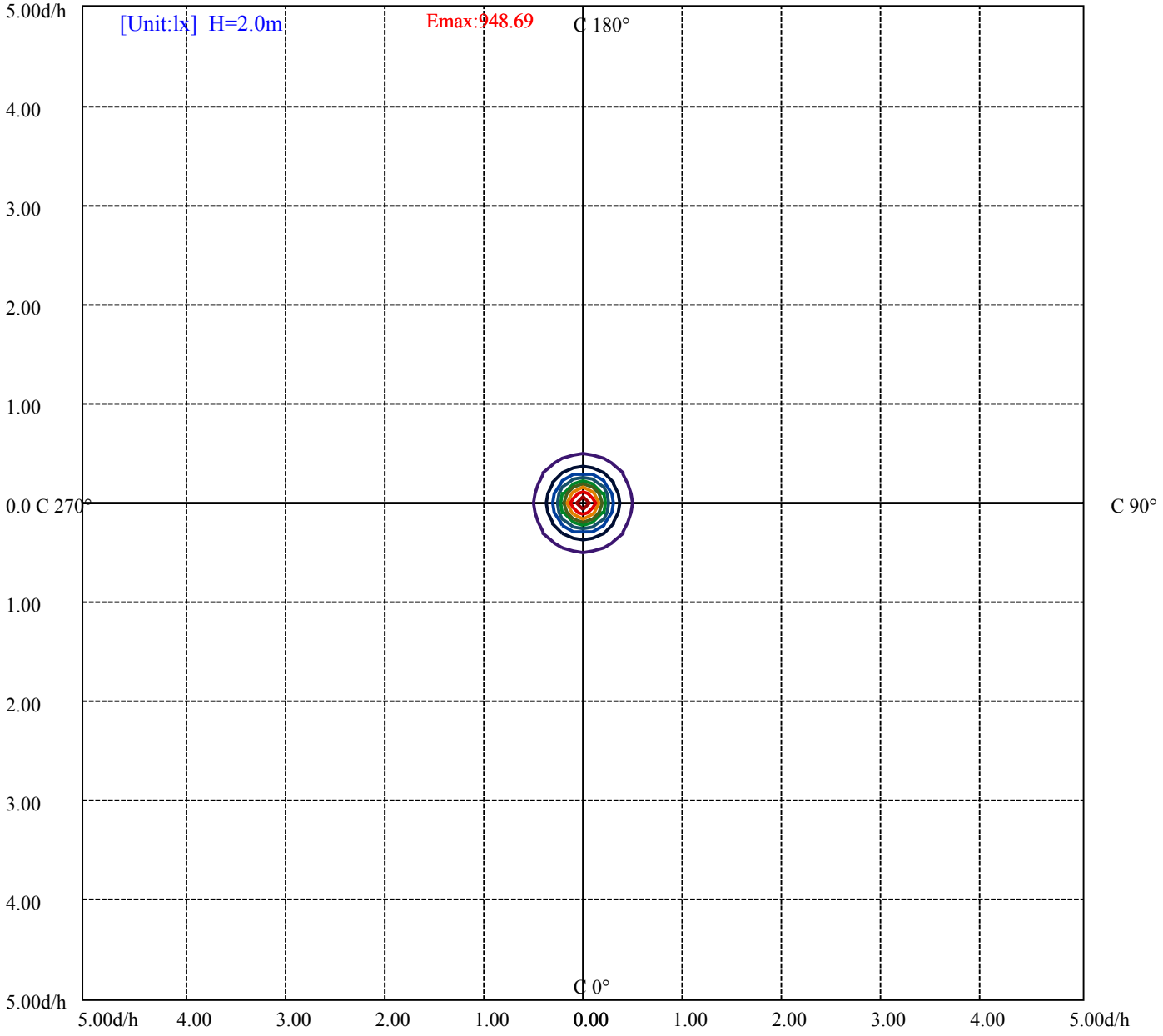


House [Unit:cd] Road

Imax:3794.77

(10%Imax) 379.477
(20%Imax) 758.953
(30%Imax) 1138.43
(40%Imax) 1517.91
(50%Imax) 1897.38
(60%Imax) 2276.86
(70%Imax) 2656.34
(80%Imax) 3035.81
(90%Imax) 3415.29

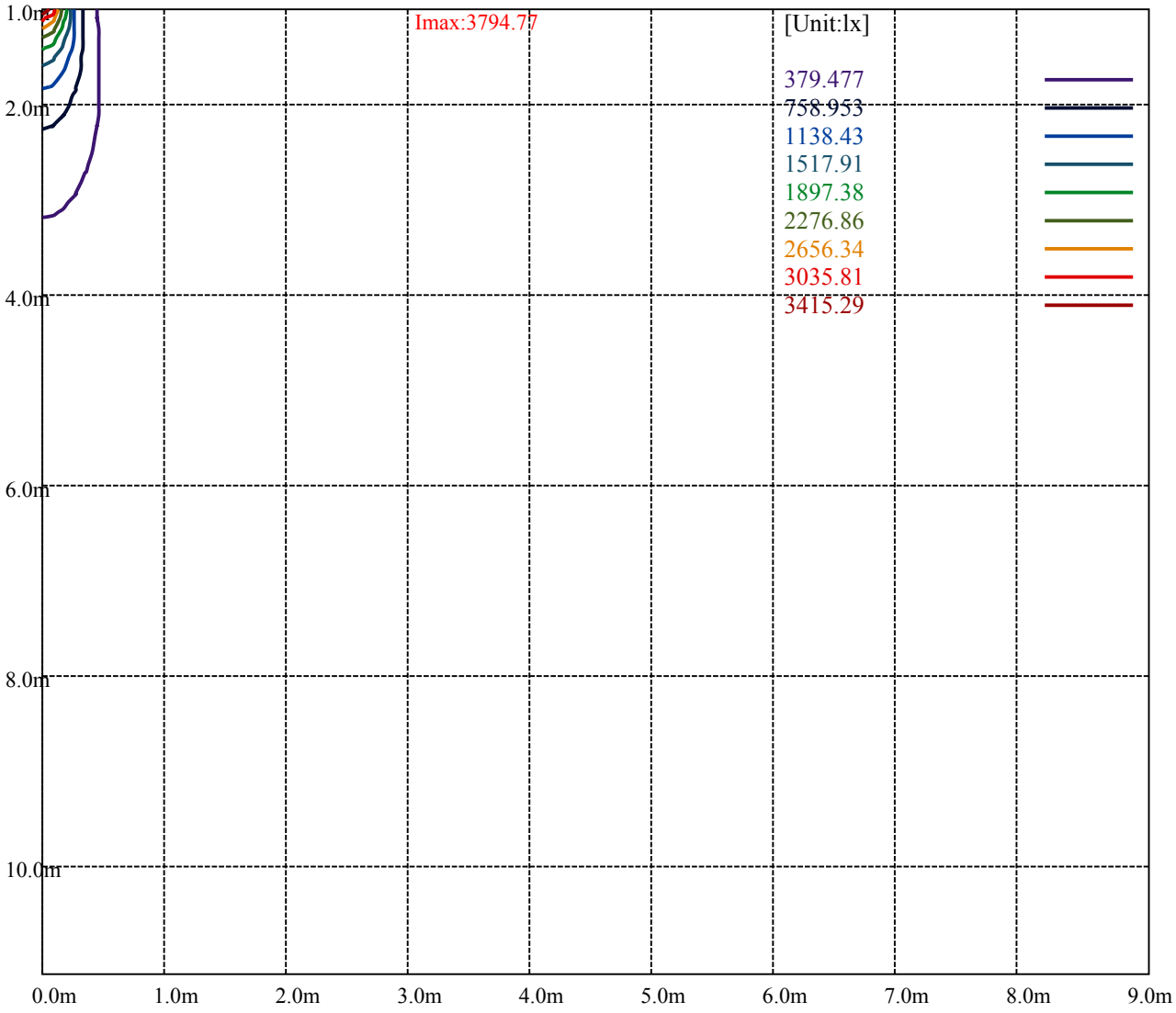
ISO illuminance diagram



(10%Emax) 94.869
(20%Emax) 189.7383
(30%Emax) 284.6075
(40%Emax) 379.4775
(50%Emax) 474.345
(60%Emax) 569.215
(70%Emax) 664.0825
(80%Emax) 758.9525
(90%Emax) 853.8225

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/13
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/13
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1382-L

Luminance Limitting Curve(no luminous side)

Luminance Table

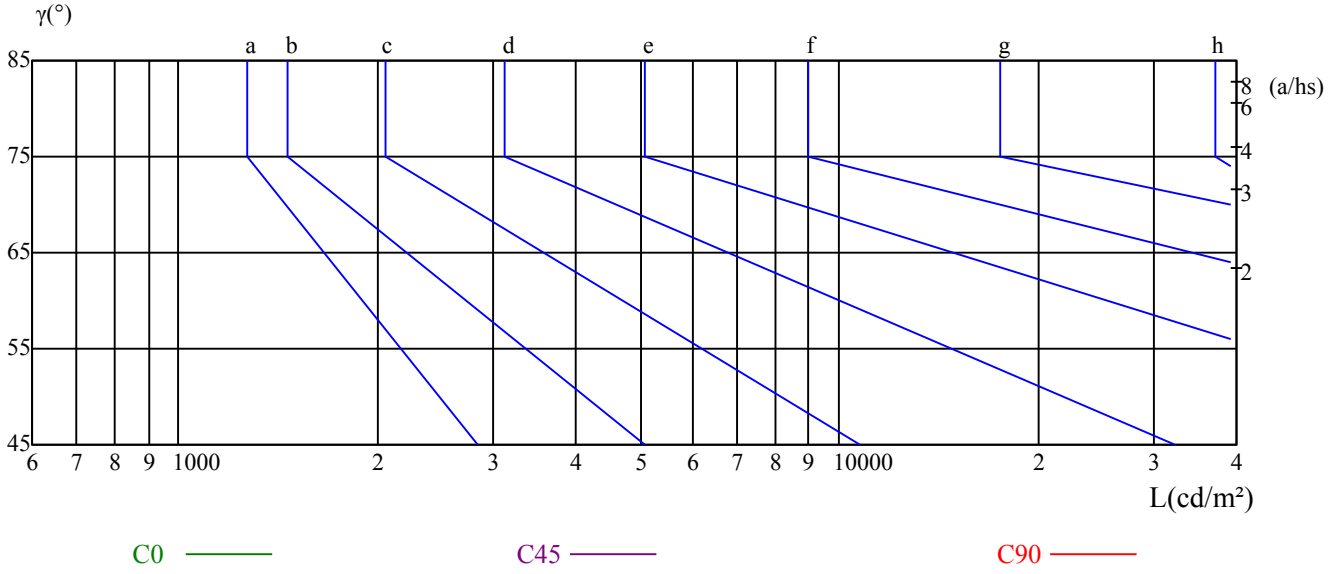
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

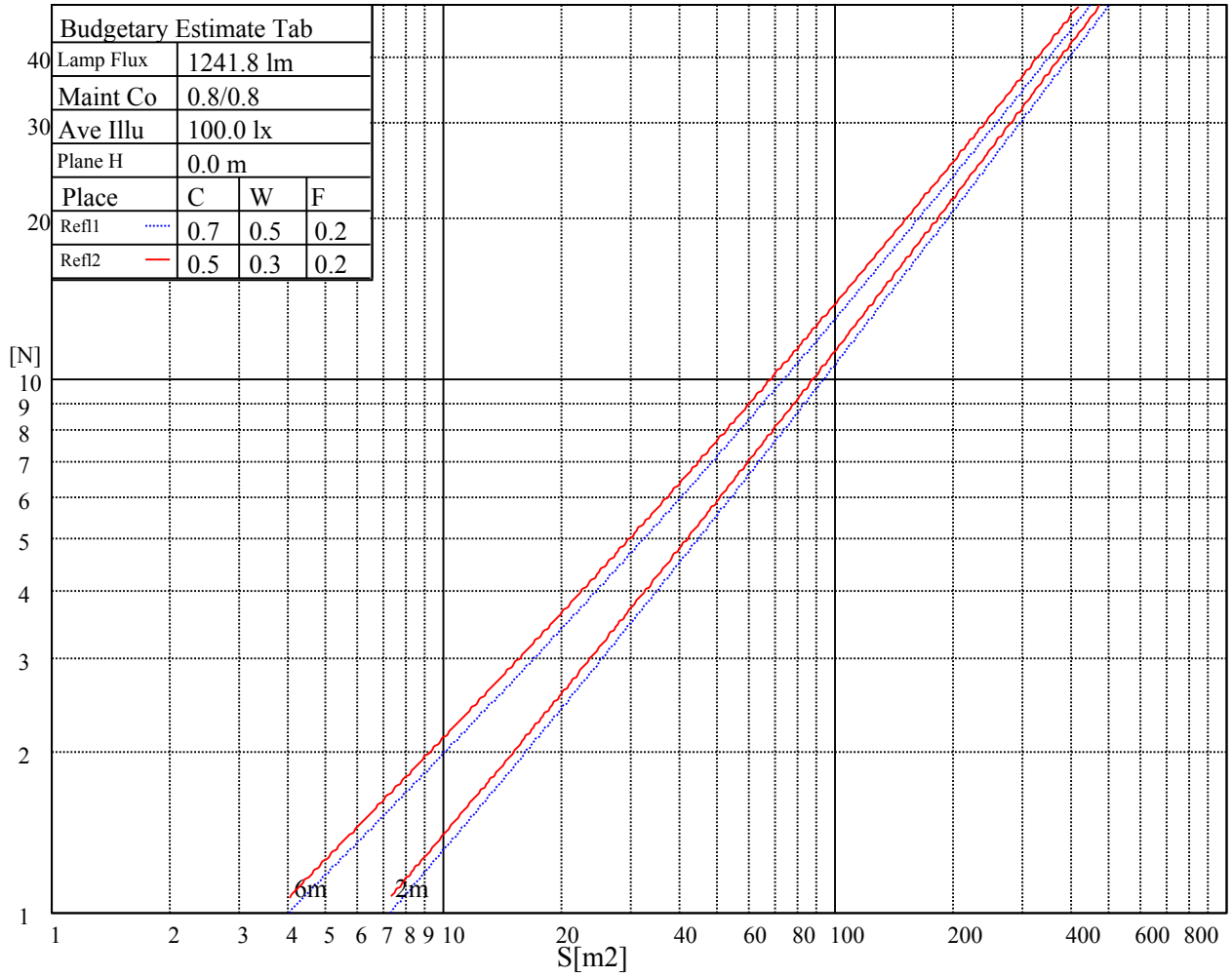
Date: 2023/11/13
Humidity(%): 0.0%

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

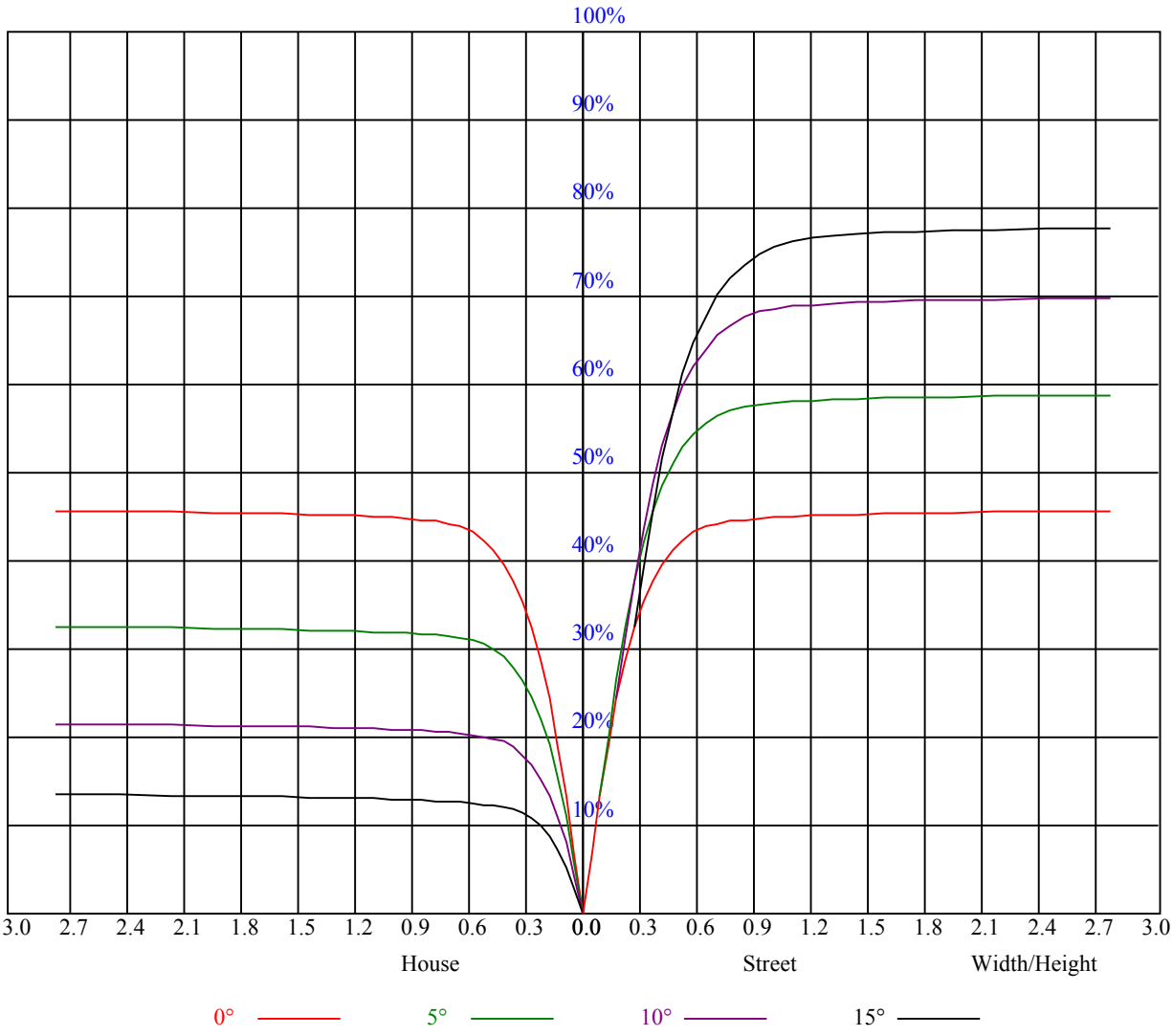


Equipment: GMS1980 Date: 2023/11/13 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.92	0.91	0.90	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.77	0.75
5	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.75	0.80	0.76	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.73	0.70	0.69
7	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
8	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
9	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/13	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	3785.08	3728.62	3652.23	3551.49	3396.50	3246.49	3087.62	2921.56	2703.47
45.0	3806.11	3796.15	3764.60	3693.75	3609.05	3487.28	3338.38	3140.76	2969.72
90.0	3795.04	3765.15	3693.75	3601.31	3483.40	3335.05	3135.78	2965.85	2792.04
135.0	3792.83	3781.20	3740.80	3683.78	3558.13	3432.48	3286.34	3131.35	2912.71
180.0	3785.08	3802.79	3785.63	3746.33	3679.91	3579.16	3423.62	3270.84	3110.87
225.0	3806.11	3780.65	3727.51	3648.36	3506.65	3368.82	3204.42	2989.65	2814.73
270.0	3795.04	3802.24	3793.94	3739.14	3663.85	3560.90	3392.62	3234.31	3070.46
315.0	3792.83	3775.67	3726.96	3652.78	3552.04	3429.16	3250.36	3087.62	2914.92
360.0	3785.08	3728.62	3652.23	3551.49	3396.50	3246.49	3087.62	2921.56	2703.47

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2524.12	2346.99	2170.41	1941.25	1765.78	1603.59	1418.16	1086.81	1086.81
45.0	2788.16	2611.03	2379.10	2201.41	2022.62	1800.10	1628.50	1427.02	1288.63
90.0	2562.32	2379.65	2146.61	1966.16	1789.58	1620.20	1425.91	1097.72	1097.72
135.0	2744.43	2568.96	2390.17	2163.22	1983.32	1809.51	1604.15	1449.16	1309.11
180.0	2936.51	2717.86	2529.11	2349.76	2120.60	1937.93	1767.99	1569.27	1422.59
225.0	2632.62	2445.52	2219.68	2039.23	1860.99	1693.27	1492.33	1253.21	1100.87
270.0	2854.59	2676.90	2498.11	2266.18	2078.53	1889.22	1707.11	1495.10	1342.88
315.0	2739.45	2515.27	2334.26	2152.70	1970.03	1749.73	1583.11	1395.46	1082.33
360.0	2524.12	2346.99	2170.41	1941.25	1765.78	1603.59	1418.16	1086.81	1086.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1035.44	942.45	854.66	760.56	695.02	640.55	593.17	536.87	490.05
45.0	1164.09	1056.70	942.12	859.09	788.24	728.45	663.14	617.75	575.68
90.0	1047.62	928.34	846.02	772.29	708.42	640.05	596.44	545.34	502.17
135.0	1156.89	1049.50	927.17	843.04	769.97	703.54	650.40	589.52	545.79
180.0	1260.40	1139.18	1029.02	936.03	835.29	756.13	694.69	641.55	582.87
225.0	1073.92	967.41	854.88	777.28	715.11	645.70	601.25	560.79	520.71
270.0	1203.94	1083.27	950.97	859.64	791.00	710.74	655.39	602.25	562.95
315.0	1082.33	1001.62	906.47	819.73	730.06	674.15	623.50	579.28	524.86
360.0	1035.44	942.45	854.66	760.56	695.02	640.55	593.17	536.87	490.05

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	441.33	392.40	332.34	284.96	238.63	186.43	147.63	114.42	82.03
45.0	521.43	474.38	426.22	365.89	317.73	280.64	280.64	165.73	129.31
90.0	456.17	396.83	350.50	303.17	245.71	200.88	160.58	124.27	88.34
135.0	497.63	446.70	385.26	338.21	280.64	280.64	224.74	149.90	107.99
180.0	538.59	492.65	446.70	385.26	334.34	286.18	286.18	179.23	132.68
225.0	463.75	416.54	367.66	319.45	261.32	215.44	172.43	126.70	97.31
270.0	525.31	466.63	421.79	372.53	322.71	286.73	286.73	169.77	132.85
315.0	479.03	430.48	382.16	322.77	276.49	230.77	178.68	141.04	102.18
360.0	441.33	392.40	332.34	284.96	238.63	186.43	147.63	114.42	82.03

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	66.81	58.40	50.65	45.83	41.52	37.14	34.10	31.16	28.29
45.0	92.22	73.12	62.11	55.19	48.60	44.39	40.52	37.31	33.65
90.0	69.47	58.73	52.31	46.00	42.07	38.53	34.65	31.88	28.45
135.0	81.26	64.21	54.08	48.93	44.56	39.97	36.81	33.88	31.05
180.0	100.69	75.95	60.94	52.20	47.22	43.01	39.52	35.37	32.38
225.0	76.55	62.33	55.69	50.15	44.73	40.85	37.36	34.26	30.50
270.0	95.71	74.78	62.60	55.58	48.60	44.12	38.97	35.48	32.38
315.0	79.82	65.65	57.07	49.65	44.84	40.80	37.20	33.16	30.17
360.0	66.81	58.40	50.65	45.83	41.52	37.14	34.10	31.16	28.29

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	24.63	22.47	20.59	18.93	17.21	16.05	14.83	14.00	13.34
45.0	30.83	27.90	24.74	22.69	20.81	18.82	17.49	16.38	15.17
90.0	25.68	23.25	21.26	19.15	17.71	16.44	15.39	14.28	13.56
135.0	27.57	24.91	22.42	20.48	18.43	16.99	15.61	14.67	13.95
180.0	29.50	26.79	23.58	21.42	19.26	17.71	16.50	15.17	14.28
225.0	27.57	25.08	22.81	20.48	18.88	17.55	16.11	15.06	13.95
270.0	28.67	25.96	23.41	21.42	19.32	17.88	16.66	15.50	14.39
315.0	27.18	24.52	21.75	19.93	17.99	16.66	15.55	14.39	13.62
360.0	24.63	22.47	20.59	18.93	17.21	16.05	14.83	14.00	13.34

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.57	12.07	11.57	11.18	10.79	10.52	10.24	9.96	9.74
45.0	14.34	13.62	12.95	12.29	11.79	11.40	11.02	10.57	10.24
90.0	12.90	12.40	11.79	11.40	10.90	10.63	10.35	10.02	9.80
135.0	13.12	12.57	12.07	11.68	11.24	10.90	10.63	10.41	10.07
180.0	13.56	12.90	12.18	11.79	11.35	11.02	10.63	10.35	10.13
225.0	13.23	12.62	12.12	11.51	11.13	10.79	10.46	10.13	9.91
270.0	13.56	12.84	12.07	11.62	11.07	10.74	10.41	10.13	9.85
315.0	12.90	12.29	11.62	11.24	10.85	10.57	10.19	9.96	9.74
360.0	12.57	12.07	11.57	11.18	10.79	10.52	10.24	9.96	9.74

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.52	9.30	9.02	8.80	8.58	8.25	8.03	7.80	7.47
45.0	10.02	9.69	9.47	9.19	8.91	8.69	8.47	8.14	7.92
90.0	9.58	9.30	9.08	8.86	8.58	8.30	8.08	7.86	7.64
135.0	9.91	9.63	9.41	9.19	8.91	8.69	8.41	8.19	7.92
180.0	9.85	9.63	9.41	9.19	8.91	8.64	8.47	8.19	7.97
225.0	9.69	9.41	9.13	8.91	8.58	8.36	8.14	7.86	7.64
270.0	9.63	9.41	9.19	8.97	8.75	8.52	8.30	8.08	7.86
315.0	9.47	9.30	9.08	8.86	8.64	8.36	8.14	7.92	7.69
360.0	9.52	9.30	9.02	8.80	8.58	8.25	8.03	7.80	7.47

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.25	7.03	6.86	6.64	6.48	6.31	6.09	5.92	5.81
45.0	7.69	7.47	7.20	6.97	6.75	6.53	6.37	6.25	6.03
90.0	7.36	7.14	6.92	6.70	6.53	6.37	6.20	6.03	5.92
135.0	7.64	7.42	7.25	6.97	6.75	6.59	6.42	6.25	6.09
180.0	7.69	7.47	7.25	7.03	6.81	6.59	6.48	6.25	6.09
225.0	7.42	7.20	6.97	6.75	6.59	6.37	6.20	6.09	5.92
270.0	7.58	7.36	7.14	6.92	6.70	6.53	6.37	6.20	6.03
315.0	7.42	7.25	6.97	6.81	6.59	6.42	6.25	6.09	5.92
360.0	7.25	7.03	6.86	6.64	6.48	6.31	6.09	5.92	5.81

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.70	5.59	5.42	5.37	5.26	5.15	5.04	4.87	4.87
45.0	5.92	5.81	5.59	5.48	5.31	5.20	5.09	5.04	4.93
90.0	5.81	5.65	5.54	5.37	5.26	5.20	5.09	5.09	4.87
135.0	5.92	5.81	5.65	5.54	5.37	5.26	5.15	5.04	4.93
180.0	5.98	5.81	5.70	5.54	5.42	5.26	5.20	5.09	4.98
225.0	5.76	5.65	5.54	5.37	5.31	5.15	5.09	5.04	4.87
270.0	5.87	5.76	5.70	5.54	5.42	5.31	5.20	5.09	4.98
315.0	5.81	5.70	5.59	5.48	5.37	5.20	5.15	5.04	4.87
360.0	5.70	5.59	5.42	5.37	5.26	5.15	5.04	4.87	4.87

Intensity data(cd)

C/γ(°)	90.0
0.0	4.87
45.0	4.87
90.0	4.93
135.0	4.87
180.0	4.82
225.0	4.82
270.0	4.87
315.0	4.87
360.0	4.87