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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

LumCAT: LN01D05038DA-N
Luminaire: 97.70.273.00

Report No: 200804-B007	Voltage(V): 34.6100
Test No: 200804-C007	Current(A): 0.1500
LampCAT: NICHIANTCWS024B-V3 LES6.7	Power (W): 5.1910
Lamp flux(lm): 578.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 538.77
Efficiency(%): 93.21%
Lumens(lm)/Power(W): 103.79
Central intensity(cd): 1228.781
Maximum intensity(cd): 1228.781
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.1
[C90/270]Total=37.1
Field angle(10%Imax): [C0/180]Total=60.5
[C90/270]Total=60.5
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(%): 93.21%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.801%

Nata LM01D05038DA

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1228.781	0.000	0	.000%	.000%
1.0	1227.656	1.175	1.175	.203%	.218%
2.0	1222.313	3.516	4.692	.608%	.871%
3.0	1213.172	5.825	10.517	1.008%	1.952%
4.0	1201.922	8.084	18.601	1.399%	3.452%
5.0	1184.210	10.265	28.866	1.776%	5.358%
6.0	1162.610	12.333	41.199	2.134%	7.647%
7.0	1138.380	14.282	55.481	2.471%	10.298%
8.0	1109.939	16.091	71.572	2.784%	13.284%
9.0	1078.566	17.737	89.309	3.069%	16.576%
10.0	1039.134	19.164	108.473	3.316%	20.134%
11.0	1001.116	20.386	128.859	3.527%	23.917%
12.0	957.959	21.415	150.275	3.705%	27.892%
13.0	908.402	22.149	172.424	3.832%	32.003%
14.0	860.674	22.644	195.068	3.918%	36.206%
15.0	810.464	22.942	218.01	3.969%	40.465%
16.0	757.561	22.976	240.986	3.975%	44.729%
17.0	703.202	22.748	263.734	3.936%	48.951%
18.0	646.523	22.254	285.988	3.850%	53.082%
19.0	590.337	21.519	307.507	3.723%	57.076%
20.0	534.762	20.592	328.099	3.563%	60.898%
21.0	477.042	19.429	347.528	3.361%	64.504%
22.0	422.571	18.078	365.606	3.128%	67.860%
23.0	373.528	16.704	382.31	2.890%	70.960%
24.0	324.492	15.261	397.572	2.640%	73.793%
25.0	282.720	13.807	411.378	2.389%	76.355%
26.0	251.191	12.603	423.981	2.180%	78.695%
27.0	208.378	11.243	435.225	1.945%	80.781%
28.0	176.963	9.756	444.981	1.688%	82.592%
29.0	149.934	8.553	453.533	1.480%	84.180%
30.0	127.505	7.491	461.024	1.296%	85.570%
31.0	106.945	6.524	467.548	1.129%	86.781%
32.0	89.803	5.637	473.185	.975%	87.827%
33.0	76.444	4.898	478.083	.847%	88.736%
34.0	64.779	4.274	482.357	.739%	89.530%
35.0	55.188	3.726	486.082	.645%	90.221%
36.0	47.686	3.276	489.358	.567%	90.829%
37.0	41.562	2.911	492.269	.504%	91.369%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	36.612	2.609	494.878	.451%	91.854%
39.0	32.449	2.357	497.235	.408%	92.291%
40.0	29.039	2.144	499.38	.371%	92.689%
41.0	26.332	1.972	501.351	.341%	93.055%
42.0	23.892	1.825	503.176	.316%	93.394%
43.0	21.579	1.684	504.861	.291%	93.706%
44.0	19.779	1.561	506.421	.270%	93.996%
45.0	18.127	1.457	507.878	.252%	94.267%
46.0	16.495	1.354	509.232	.234%	94.518%
47.0	15.152	1.259	510.491	.218%	94.752%
48.0	14.013	1.179	511.67	.204%	94.970%
49.0	12.888	1.105	512.775	.191%	95.175%
50.0	11.862	1.032	513.807	.179%	95.367%
51.0	11.025	0.968	514.775	.168%	95.547%
52.0	10.287	0.915	515.689	.158%	95.716%
53.0	9.570	0.864	516.553	.149%	95.877%
54.0	8.930	0.815	517.369	.141%	96.028%
55.0	8.402	0.774	518.142	.134%	96.172%
56.0	7.917	0.737	518.88	.128%	96.309%
57.0	7.474	0.704	519.583	.122%	96.439%
58.0	7.095	0.674	520.257	.117%	96.564%
59.0	6.778	0.649	520.906	.112%	96.685%
60.0	6.476	0.626	521.532	.108%	96.801%
61.0	6.188	0.604	522.136	.105%	96.913%
62.0	5.948	0.585	522.721	.101%	97.022%
63.0	5.752	0.569	523.29	.098%	97.127%
64.0	5.576	0.556	523.846	.096%	97.230%
65.0	5.414	0.544	524.39	.094%	97.331%
66.0	5.288	0.534	524.924	.092%	97.430%
67.0	5.147	0.525	525.448	.091%	97.528%
68.0	5.006	0.514	525.963	.089%	97.623%
69.0	4.957	0.508	526.471	.088%	97.718%
70.0	5.063	0.515	526.985	.089%	97.813%
71.0	5.393	0.540	527.526	.093%	97.913%
72.0	5.941	0.589	528.115	.102%	98.023%
73.0	6.602	0.656	528.771	.113%	98.144%
74.0	7.277	0.730	529.501	.126%	98.280%
75.0	7.868	0.800	530.301	.138%	98.428%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.409	0.864	531.165	.149%	98.589%
77.0	8.740	0.914	532.079	.158%	98.759%
78.0	8.557	0.926	533.005	.160%	98.930%
79.0	7.868	0.883	533.888	.153%	99.094%
80.0	6.919	0.797	534.685	.138%	99.242%
81.0	5.955	0.696	535.381	.120%	99.371%
82.0	4.908	0.589	535.97	.102%	99.481%
83.0	3.916	0.480	536.45	.083%	99.570%
84.0	3.431	0.400	536.85	.069%	99.644%
85.0	3.178	0.361	537.211	.062%	99.711%
86.0	3.023	0.339	537.55	.059%	99.774%
87.0	2.869	0.322	537.873	.056%	99.834%
88.0	2.756	0.308	538.181	.053%	99.891%
89.0	2.672	0.298	538.478	.051%	99.946%
90.0	2.616	0.290	538.768	.050%	100.000%

Zonal flux distribution table

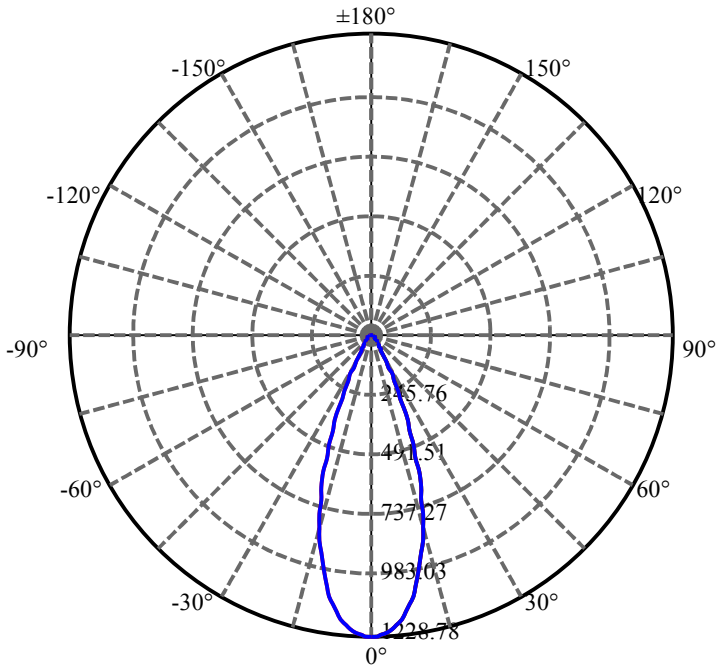
ZONAL LUMEN SUMMARY

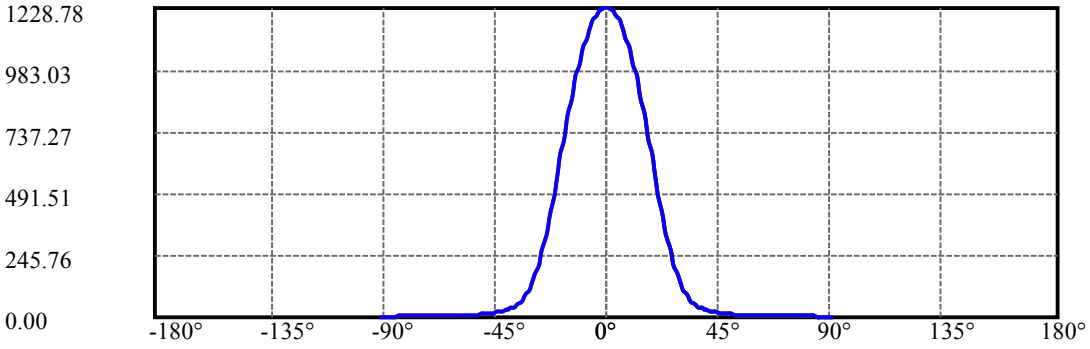
Zone	Lumens	%Lamp	%Fixt
0-30	461.02	79.76%	85.57%
0-40	499.38	86.40%	92.69%
0-60	521.53	90.23%	96.80%
0-90	538.48	93.16%	99.95%
0-120	538.48	93.16%	99.95%
0-180	538.77	93.21%	100.00%
60-90	17.57	3.04%	3.26%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.63	431.01	74.57%	80.00%

ZONAL LUMEN SUMMARY

0-10	108.47
10-20	219.63
20-30	132.92
30-40	38.36
40-50	14.43
50-60	7.73
60-70	5.45
70-80	7.70
80-90	3.79
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):

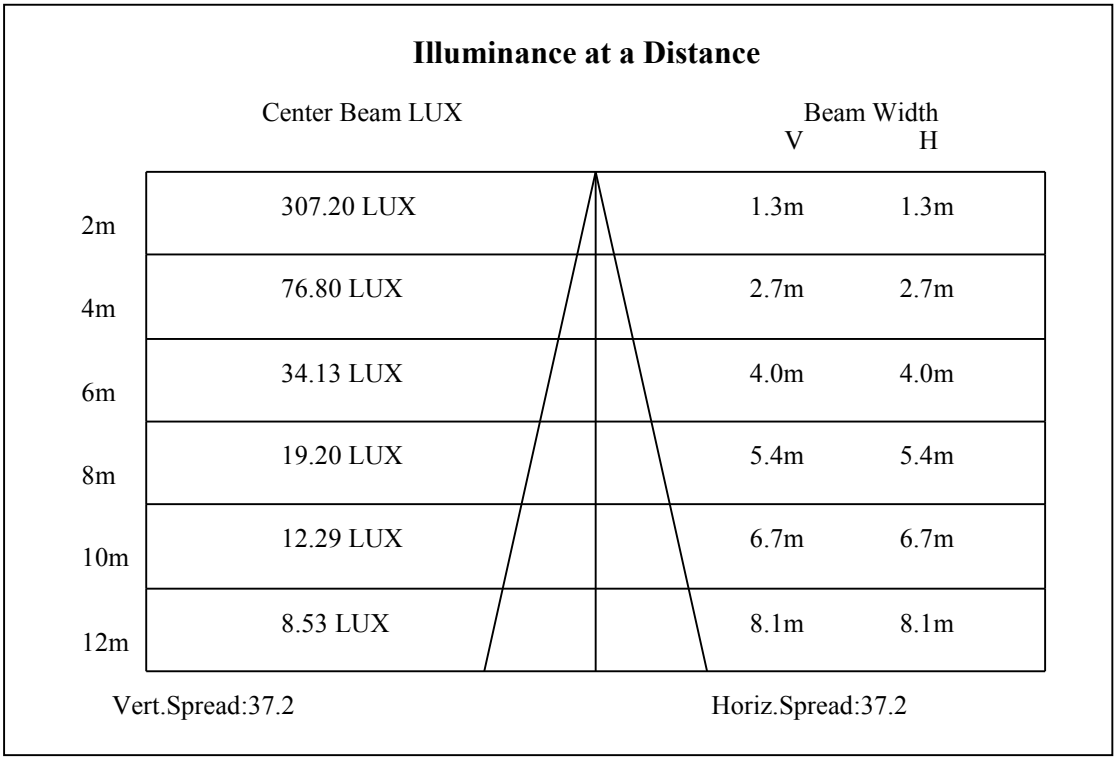
C0/C180:

C90/C270:

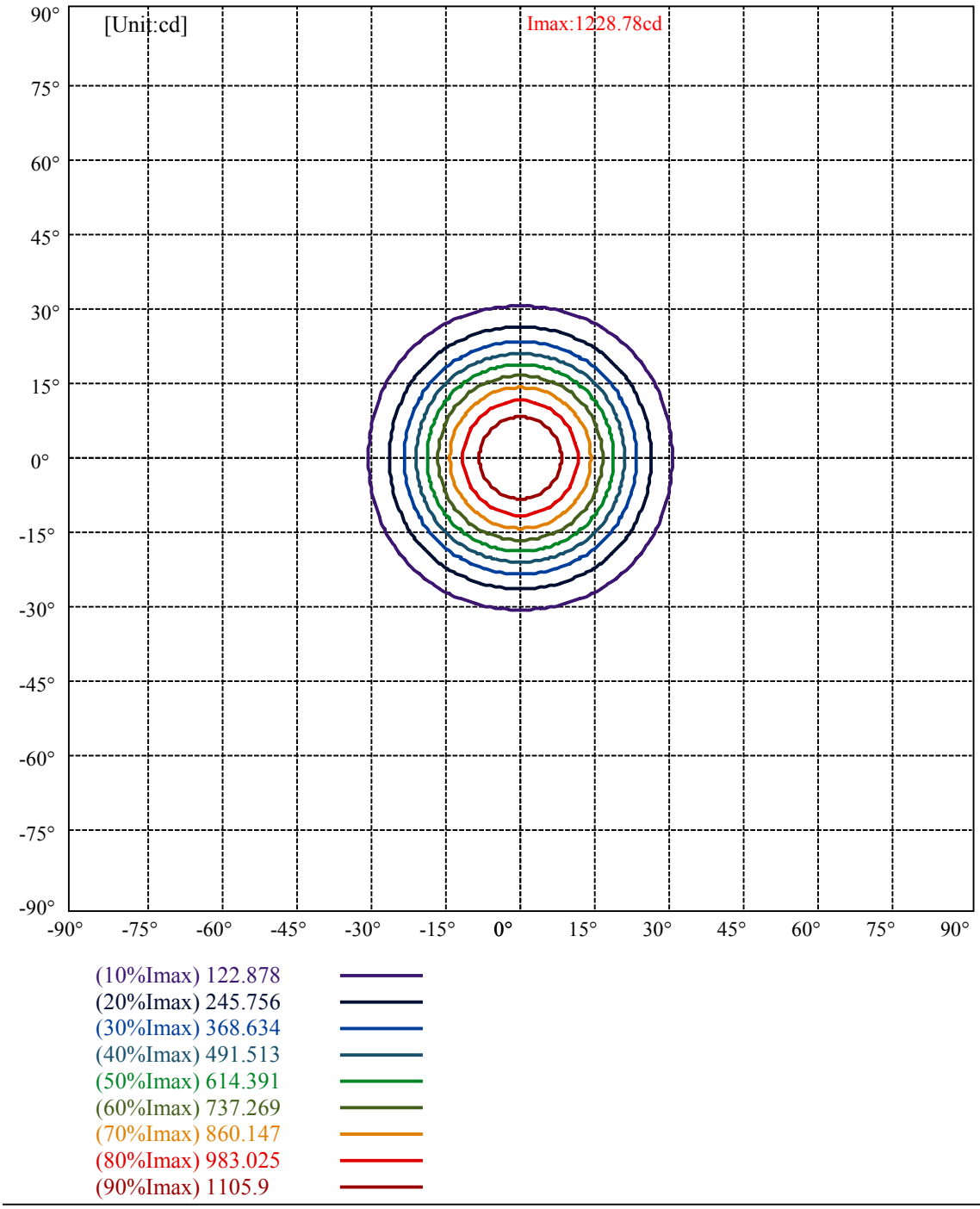
Field angle(10%Imax):C0/180Left:30.2 Right:30.2
:C90/270Left:30.2 Right:30.2

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)

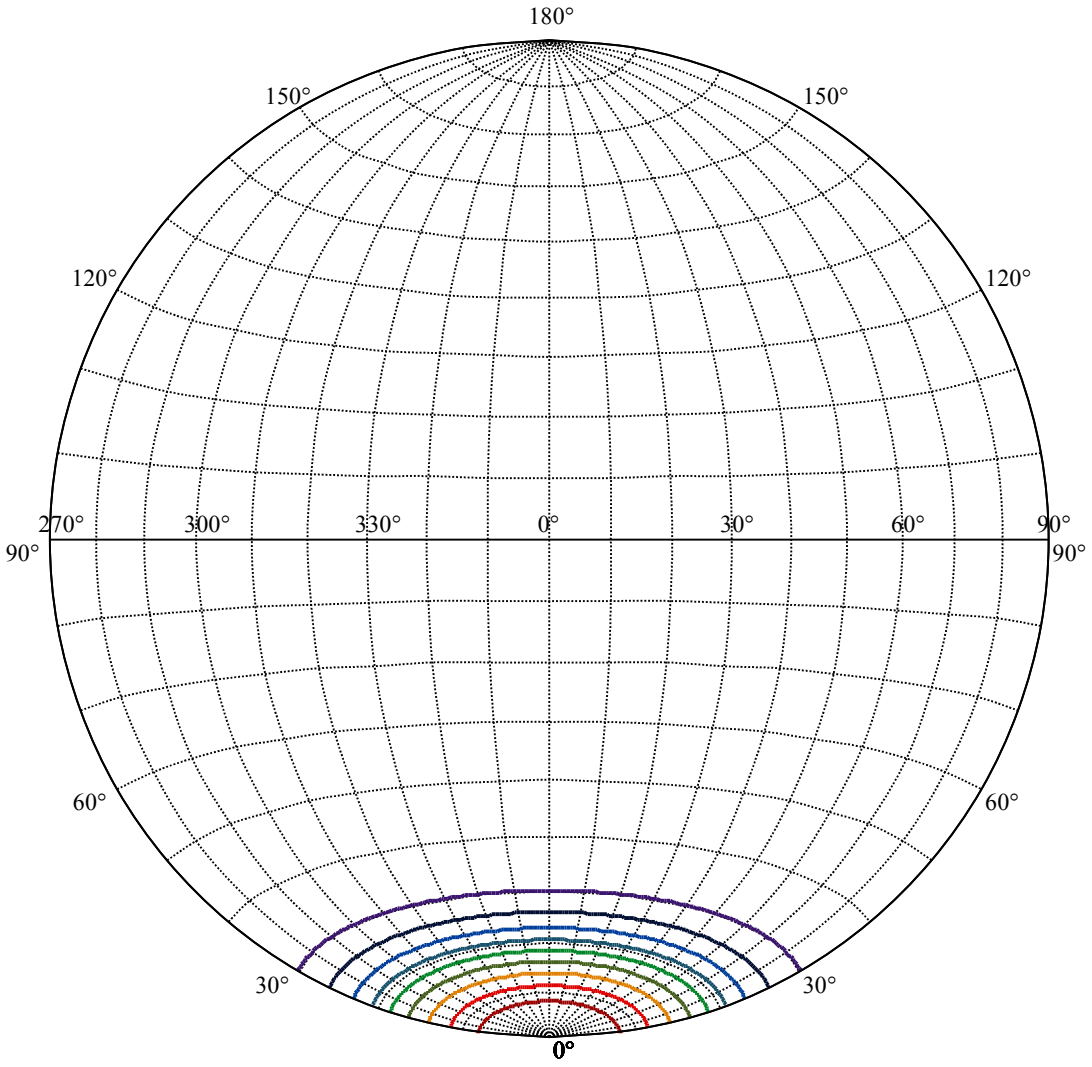


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/04
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1228.78

(10%Imax) 122.878
(20%Imax) 245.756
(30%Imax) 368.634
(40%Imax) 491.513
(50%Imax) 614.391
(60%Imax) 737.269
(70%Imax) 860.147
(80%Imax) 983.025
(90%Imax) 1105.9

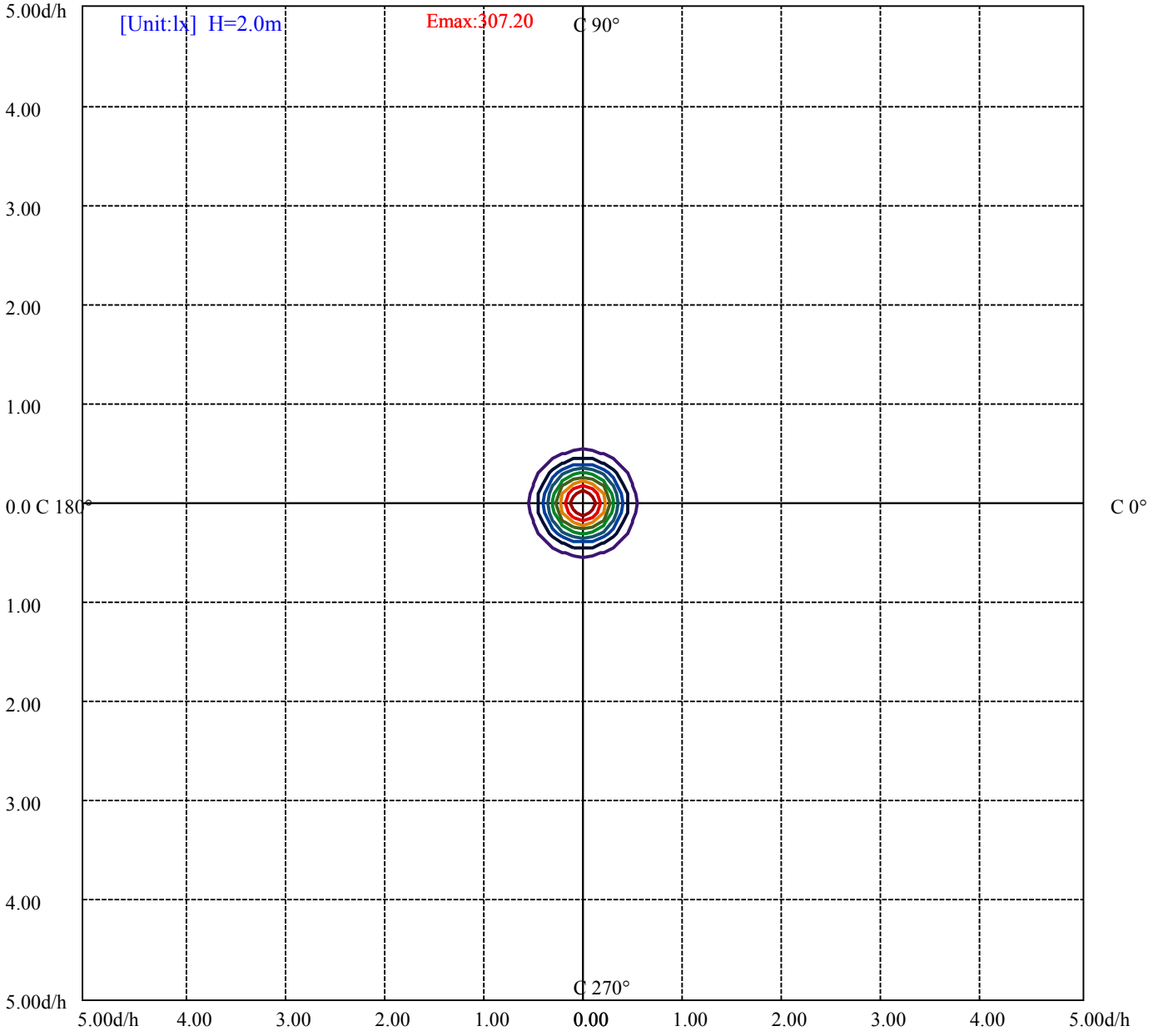
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/04
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata LM01D05038DA

ISO illuminance diagram



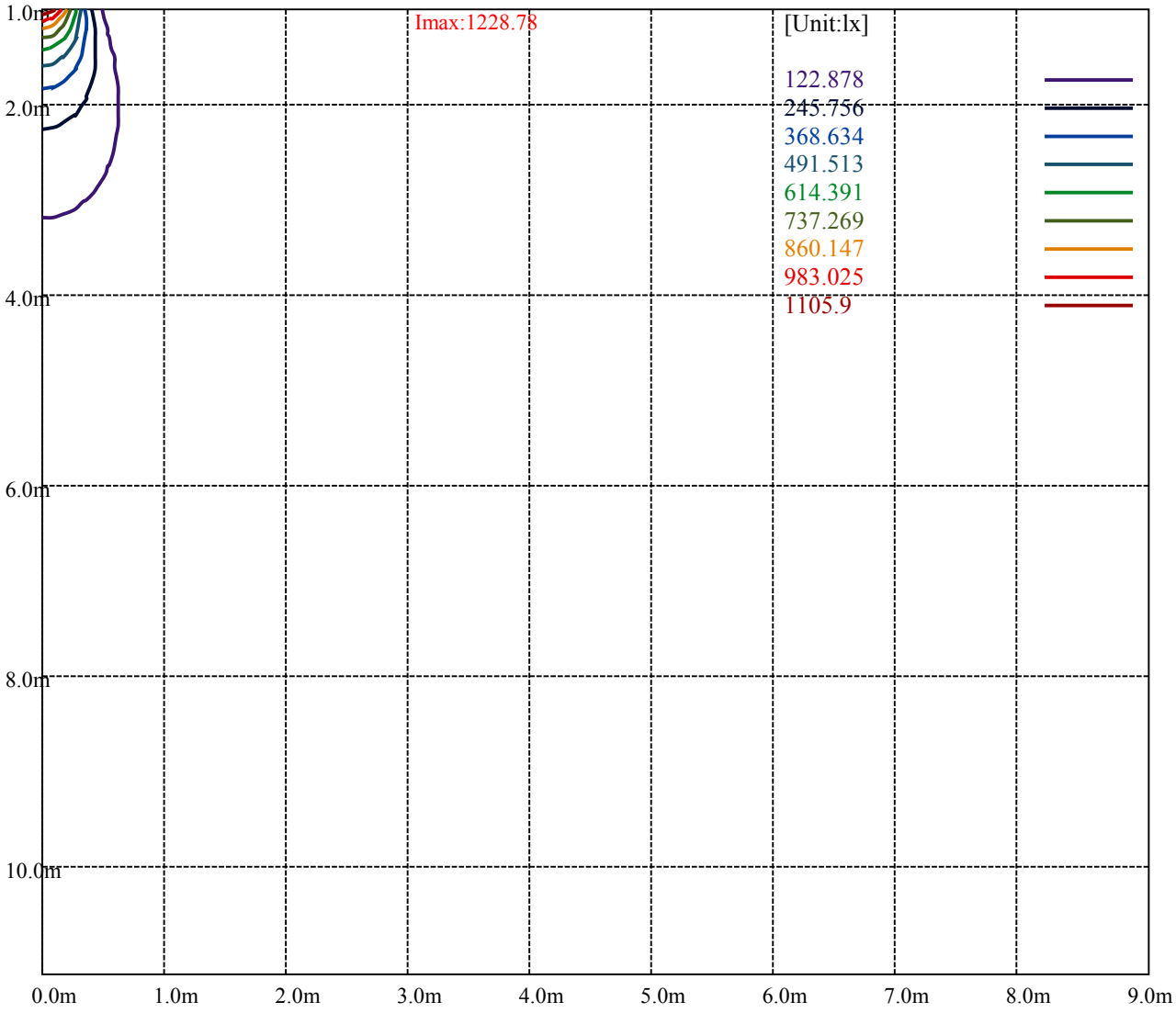
(10%Emax) 30.7195
(20%Emax) 61.439
(30%Emax) 92.1585
(40%Emax) 122.878
(50%Emax) 153.5977
(60%Emax) 184.3172
(70%Emax) 215.0367
(80%Emax) 245.7563
(90%Emax) 276.475

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/04
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/04
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

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Luminance Limitting Curve(no luminous side)

Luminance Table

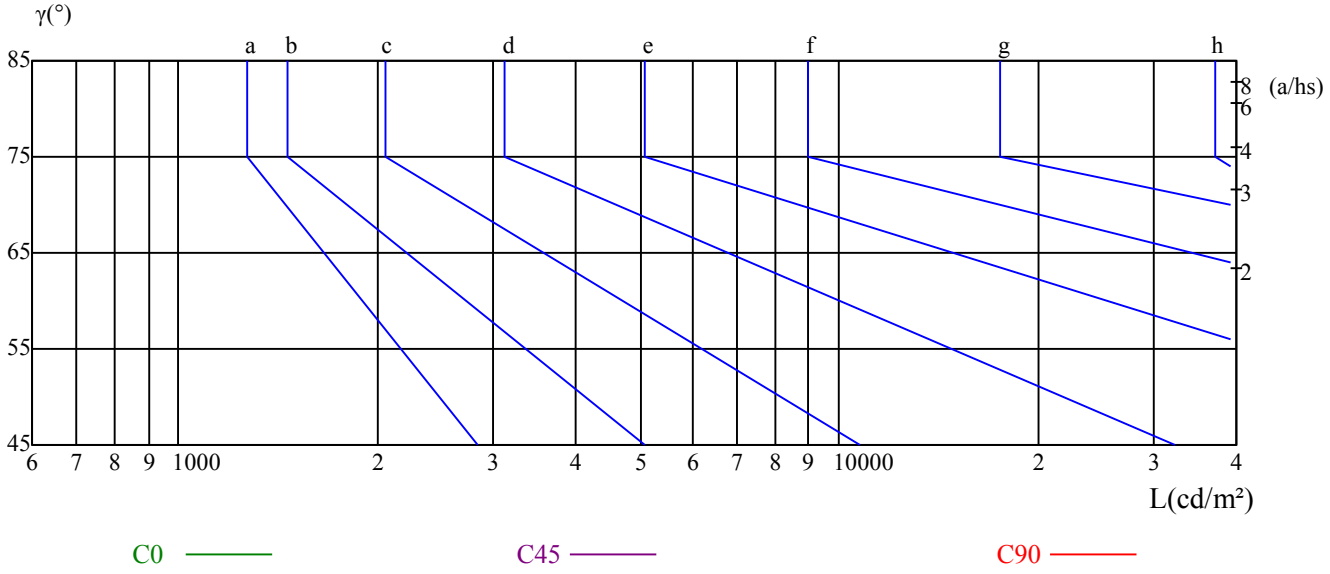
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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): 25.0

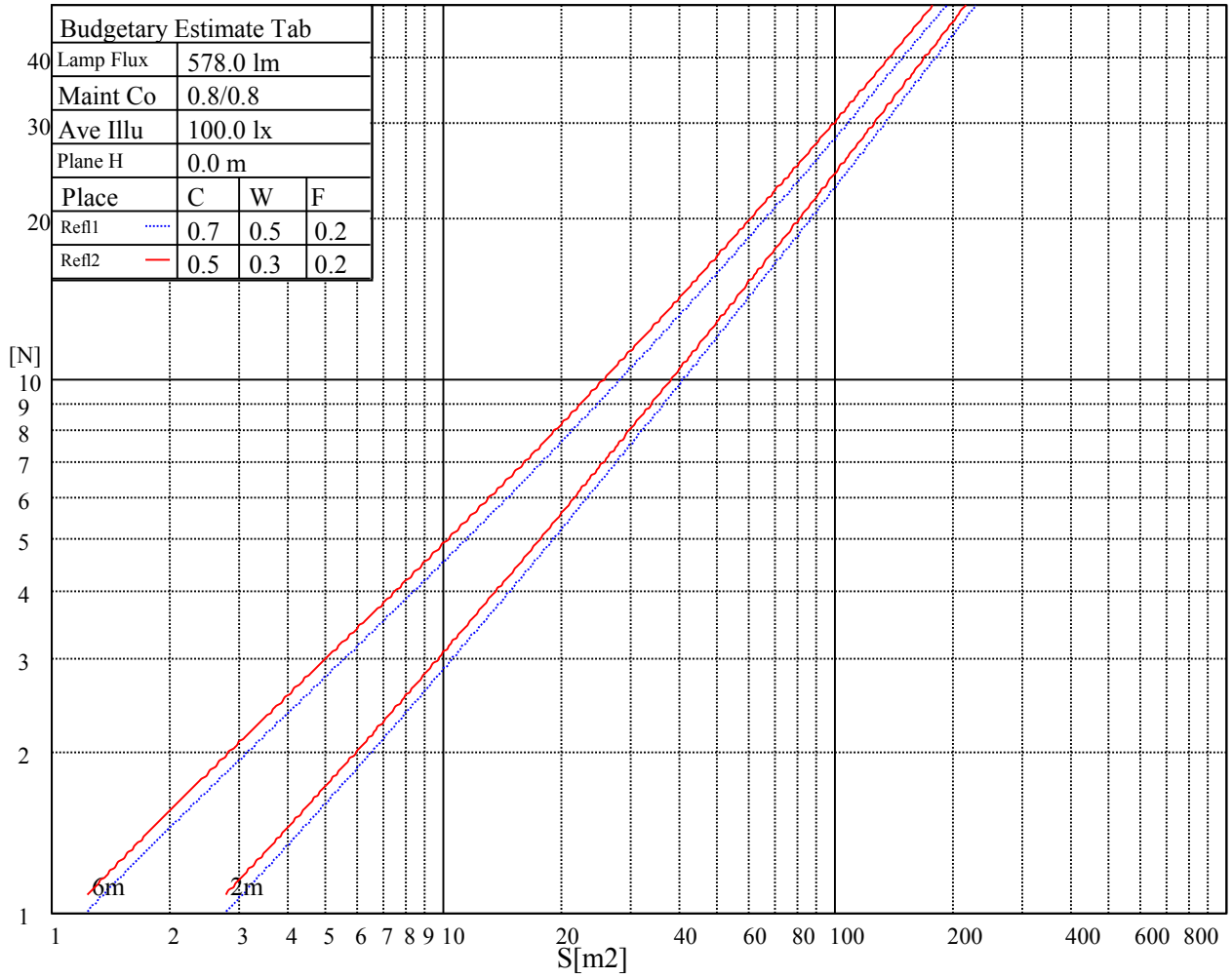
Date: 2020/8/04
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

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	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	3H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	4H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	6H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	8H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	12H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
4H	2H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	3H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	4H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	6H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	8H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	12H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
8H	4H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	6H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	8H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	12H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
12H	4H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	6H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷
	8H	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷	正无穷

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

Budgetary Estimate Table

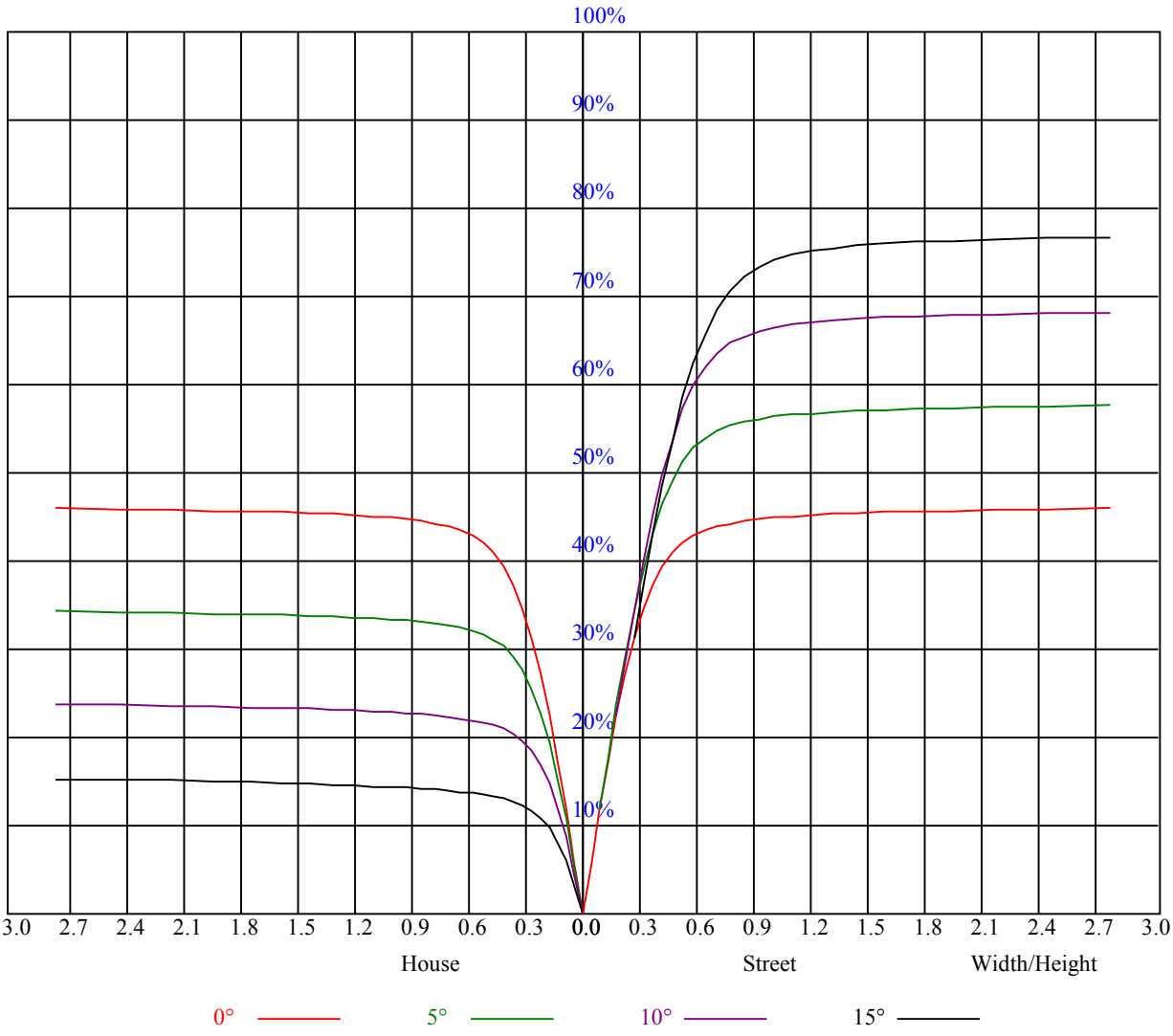


Equipment: GMS1980 Date: 2020/8/04 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

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	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	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	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.71
6	0.79	0.74	0.70	0.78	0.73	0.70	0.77	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	0.75	0.70	0.67	0.73	0.69	0.66	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	0.66	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/8/04	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

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	1225.13	1231.88	1232.44	1230.75	1226.25	1220.06	1202.06	1186.88	1166.63
45.0	1229.63	1231.31	1229.06	1223.44	1212.19	1197.56	1179.56	1154.81	1130.63
90.0	1231.88	1230.19	1224.00	1212.75	1202.63	1185.75	1161.56	1121.96	1103.46
135.0	1228.50	1224.00	1216.13	1205.44	1195.88	1178.44	1156.50	1134.56	1107.00
180.0	1225.13	1216.69	1203.19	1186.31	1167.19	1121.12	1109.76	1074.26	1040.40
225.0	1229.63	1224.56	1216.13	1200.94	1185.75	1166.63	1122.19	1108.07	1078.71
270.0	1231.88	1232.44	1227.94	1221.75	1208.81	1197.00	1178.44	1155.38	1130.63
315.0	1228.50	1230.19	1229.63	1224.00	1216.69	1207.13	1190.81	1171.13	1122.08
360.0	1225.13	1231.88	1232.44	1230.75	1226.25	1220.06	1202.06	1186.88	1166.63

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1134.56	1105.31	1069.31	1027.13	980.44	936.00	883.69	834.75	776.81
45.0	1096.88	1059.75	1022.06	982.69	928.69	883.69	837.00	775.69	725.63
90.0	1067.01	1026.90	987.58	941.06	896.91	843.13	788.29	738.06	679.78
135.0	1069.31	1031.06	991.69	943.31	892.69	846.56	791.44	734.63	682.88
180.0	1002.04	951.08	909.84	866.98	812.48	767.25	721.01	674.94	615.43
225.0	1041.81	1000.97	961.76	915.47	873.06	822.99	771.75	725.18	677.31
270.0	1098.56	1060.31	1025.44	985.50	932.63	888.19	840.38	785.25	729.00
315.0	1118.36	1077.69	1041.24	1001.53	950.34	897.58	850.16	792.00	738.79
360.0	1134.56	1105.31	1069.31	1027.13	980.44	936.00	883.69	834.75	776.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	718.31	664.31	601.88	540.56	486.00	434.25	372.94	326.81	284.63
45.0	670.50	610.88	552.94	498.94	438.75	381.94	338.63	290.81	285.75
90.0	626.57	564.98	511.09	452.48	397.46	351.68	304.54	262.29	228.66
135.0	621.56	570.38	511.88	453.38	402.75	351.00	304.88	285.19	230.12
180.0	563.74	514.86	460.58	406.91	362.64	315.23	272.64	238.28	203.57
225.0	616.50	568.74	518.34	457.48	409.67	364.33	310.95	272.64	238.22
270.0	677.25	618.75	559.69	506.25	449.44	399.94	348.75	301.50	286.88
315.0	677.76	609.81	561.71	500.34	433.86	389.87	342.62	284.23	251.72
360.0	718.31	664.31	601.88	540.56	486.00	434.25	372.94	326.81	284.63

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	239.68	202.84	174.43	147.04	123.81	106.26	89.44	76.67	65.08
45.0	213.53	187.26	153.62	131.01	111.04	90.79	77.79	66.54	55.63
90.0	198.39	164.42	140.29	119.19	99.45	82.86	70.71	59.51	50.74
135.0	196.31	166.16	142.82	124.37	100.13	85.84	75.43	61.26	53.27
180.0	176.18	149.23	125.44	107.27	91.86	75.71	65.08	56.25	47.25
225.0	199.01	174.26	146.64	120.43	104.68	87.41	71.66	62.49	54.11
270.0	226.07	187.99	161.83	138.43	113.74	96.64	82.18	68.79	57.94
315.0	217.86	183.54	154.41	132.30	110.87	92.93	79.26	66.71	57.49
360.0	239.68	202.84	174.43	147.04	123.81	106.26	89.44	76.67	65.08

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	55.52	48.49	42.64	36.96	33.24	30.15	26.94	24.64	22.61
45.0	48.38	42.69	37.01	33.30	30.15	27.11	24.47	22.44	20.42
90.0	44.44	38.64	34.54	30.66	27.45	24.98	22.78	20.42	18.84
135.0	47.53	40.16	34.99	31.78	27.79	25.20	22.89	20.42	18.73
180.0	41.63	36.90	32.57	29.03	26.38	23.85	21.77	19.86	18.11
225.0	44.72	40.11	35.72	31.67	28.46	25.99	23.63	21.43	19.74
270.0	50.23	43.14	38.03	33.36	29.59	26.89	24.53	21.94	20.14
315.0	49.05	42.36	37.41	32.85	29.25	26.49	24.13	21.49	19.63
360.0	55.52	48.49	42.64	36.96	33.24	30.15	26.94	24.64	22.61

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	20.59	18.73	17.27	15.92	14.51	13.28	12.21	11.36	10.52
45.0	18.68	17.16	15.75	14.51	13.50	12.32	11.48	10.74	9.90
90.0	17.27	15.69	14.46	13.50	12.43	11.48	10.74	9.96	9.34
135.0	17.27	15.53	14.40	13.33	12.15	11.31	10.52	9.79	9.06
180.0	16.71	15.30	14.06	13.11	12.15	11.14	10.41	9.79	9.11
225.0	18.00	16.54	15.08	13.89	12.88	11.93	11.03	10.35	9.68
270.0	18.51	16.65	15.36	14.18	12.99	11.98	11.14	10.29	9.68
315.0	18.00	16.37	14.85	13.67	12.49	11.48	10.69	10.01	9.28
360.0	20.59	18.73	17.27	15.92	14.51	13.28	12.21	11.36	10.52

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.73	9.11	8.61	8.04	7.59	7.26	6.81	6.53	6.30
45.0	9.28	8.78	8.16	7.76	7.37	7.03	6.69	6.47	6.13
90.0	8.72	8.16	7.71	7.26	6.92	6.64	6.36	6.08	5.85
135.0	8.55	8.04	7.59	7.20	6.86	6.58	6.30	6.02	5.79
180.0	8.55	8.10	7.65	7.20	6.92	6.58	6.36	6.08	5.85
225.0	9.00	8.49	8.04	7.59	7.14	6.81	6.53	6.19	5.96
270.0	9.00	8.44	7.93	7.48	7.09	6.75	6.47	6.13	5.91
315.0	8.61	8.10	7.65	7.26	6.86	6.58	6.30	6.02	5.79
360.0	9.73	9.11	8.61	8.04	7.59	7.26	6.81	6.53	6.30

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.02	5.79	5.57	5.40	5.29	5.12	5.01	4.84	4.67
45.0	5.96	5.79	5.63	5.46	5.29	5.18	5.06	4.89	4.78
90.0	5.63	5.46	5.29	5.18	5.06	4.89	4.78	4.61	4.50
135.0	5.63	5.46	5.34	5.23	5.06	4.95	5.29	6.47	8.55
180.0	5.68	5.51	5.34	5.23	5.06	4.89	4.78	4.67	4.50
225.0	5.79	5.57	5.46	5.34	5.18	5.06	4.89	4.73	4.61
270.0	5.68	5.51	5.34	5.23	5.12	4.95	4.84	4.73	4.61
315.0	5.63	5.51	5.34	5.23	5.12	5.01	5.01	5.57	6.92
360.0	6.02	5.79	5.57	5.40	5.29	5.12	5.01	4.84	4.67

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.56	4.44	4.28	4.16	4.05	3.94	3.83	3.71	3.60
45.0	4.61	4.50	4.33	4.16	4.05	3.94	3.83	3.71	3.60
90.0	4.39	4.28	4.22	4.05	3.99	3.99	3.99	3.94	3.71
135.0	11.31	14.51	17.38	20.14	22.44	23.29	21.54	18.17	14.79
180.0	4.33	4.22	4.05	3.94	3.83	3.71	3.60	3.49	3.38
225.0	4.50	4.33	4.22	4.11	3.94	3.83	3.71	3.60	3.54
270.0	4.44	4.33	4.28	4.16	4.05	3.94	3.83	3.71	3.71
315.0	9.39	12.21	15.47	18.23	20.93	23.29	24.13	22.61	19.01
360.0	4.56	4.44	4.28	4.16	4.05	3.94	3.83	3.71	3.60

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.49	3.43	3.26	3.15	3.09	2.98	2.93	2.81	2.76
45.0	3.49	3.38	3.26	3.21	3.09	2.98	2.87	2.76	2.70
90.0	3.54	3.43	3.32	3.21	3.04	2.93	2.70	2.64	2.59
135.0	10.97	6.75	4.22	3.71	3.49	3.09	2.81	2.70	2.64
180.0	3.26	3.21	3.09	3.04	2.93	2.81	2.70	2.64	2.59
225.0	3.43	3.32	3.21	3.15	3.04	2.98	2.87	2.76	2.70
270.0	3.60	3.49	3.38	3.32	3.15	3.04	2.93	2.81	2.70
315.0	15.86	12.26	7.59	4.67	3.60	3.38	3.15	2.93	2.70
360.0	3.49	3.43	3.26	3.15	3.09	2.98	2.93	2.81	2.76

Intensity data(cd)

C/γ(°)	90.0
0.0	2.64
45.0	2.64
90.0	2.59
135.0	2.64
180.0	2.59
225.0	2.64
270.0	2.59
315.0	2.59
360.0	2.64