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Nata

LumCAT: LN01D05015DA-N
Luminaire: 97.70.234.00

Report No: 200415-B016	Voltage(V): 36.4000
Test No: 200415-C016	Current(A): 0.2740
LampCAT: LUMINUS CXM-6-AC40	Power (W): 9.9740
Lamp flux(lm): 1177.5	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): 1050.67
Efficiency(%): 89.23%
Lumens(lm)/Power(W): 105.34
Central intensity(cd): 10260.000
Maximum intensity(cd): 10260.000
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=15.6
[C90/270]Total=15.6
Field angle(10%Imax): [C0/180]Total=29.3
[C90/270]Total=29.3
Maximum s/h(1/2): C0_180=0.27 C90_270=0.27
Maximum s/h(1/4): C0_180=0.27 C90_270=0.27
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.23%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.993%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10260.000	0.000	0	.000%	.000%
1.0	10160.578	9.771	9.771	.830%	.930%
2.0	9804.727	28.656	38.427	2.434%	3.657%
3.0	9241.172	45.552	83.978	3.869%	7.993%
4.0	8552.391	59.561	143.539	5.058%	13.662%
5.0	7650.773	69.705	213.244	5.920%	20.296%
6.0	6761.250	75.739	288.983	6.432%	27.505%
7.0	5856.047	78.315	367.299	6.651%	34.958%
8.0	4971.727	77.492	444.791	6.581%	42.334%
9.0	4118.977	73.675	518.466	6.257%	49.346%
10.0	3351.164	67.602	586.068	5.741%	55.780%
11.0	2643.750	59.902	645.97	5.087%	61.482%
12.0	2092.570	51.775	697.745	4.397%	66.409%
13.0	1556.494	43.305	741.05	3.678%	70.531%
14.0	1197.492	35.251	776.301	2.994%	73.886%
15.0	942.848	29.384	805.684	2.496%	76.683%
16.0	724.240	24.428	830.112	2.075%	79.008%
17.0	552.495	19.882	849.994	1.689%	80.900%
18.0	429.272	16.187	866.181	1.375%	82.441%
19.0	345.705	13.483	879.664	1.145%	83.724%
20.0	281.095	11.472	891.136	.974%	84.816%
21.0	230.899	9.831	900.968	.835%	85.752%
22.0	189.970	8.458	909.425	.718%	86.557%
23.0	161.754	7.380	916.805	.627%	87.259%
24.0	140.140	6.600	923.406	.561%	87.887%
25.0	122.730	5.977	929.383	.508%	88.456%
26.0	109.041	5.471	934.854	.465%	88.977%
27.0	96.848	5.037	939.891	.428%	89.456%
28.0	87.377	4.664	944.555	.396%	89.900%
29.0	78.954	4.352	948.907	.370%	90.314%
30.0	71.789	4.070	952.977	.346%	90.702%
31.0	65.770	3.828	956.805	.325%	91.066%
32.0	60.659	3.622	960.427	.308%	91.411%
33.0	56.461	3.450	963.877	.293%	91.739%
34.0	52.826	3.307	967.185	.281%	92.054%
35.0	49.598	3.181	970.366	.270%	92.357%
36.0	46.744	3.068	973.433	.261%	92.649%
37.0	44.276	2.969	976.402	.252%	92.931%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	41.723	2.871	979.272	.244%	93.204%
39.0	39.213	2.763	982.035	.235%	93.467%
40.0	37.034	2.659	984.694	.226%	93.720%
41.0	34.861	2.560	987.254	.217%	93.964%
42.0	32.583	2.450	989.705	.208%	94.197%
43.0	30.480	2.336	992.041	.198%	94.420%
44.0	28.491	2.226	994.266	.189%	94.632%
45.0	26.459	2.112	996.378	.179%	94.833%
46.0	24.687	2.000	998.378	.170%	95.023%
47.0	22.985	1.896	1000.274	.161%	95.203%
48.0	21.452	1.796	1002.071	.153%	95.374%
49.0	20.187	1.710	1003.781	.145%	95.537%
50.0	18.998	1.634	1005.414	.139%	95.693%
51.0	18.007	1.566	1006.98	.133%	95.842%
52.0	17.184	1.510	1008.49	.128%	95.985%
53.0	16.446	1.463	1009.953	.124%	96.125%
54.0	15.694	1.417	1011.37	.120%	96.259%
55.0	15.103	1.375	1012.744	.117%	96.390%
56.0	14.498	1.338	1014.082	.114%	96.518%
57.0	13.908	1.299	1015.381	.110%	96.641%
58.0	13.423	1.264	1016.645	.107%	96.761%
59.0	12.980	1.234	1017.879	.105%	96.879%
60.0	12.480	1.203	1019.082	.102%	96.993%
61.0	12.045	1.170	1020.252	.099%	97.105%
62.0	11.672	1.143	1021.395	.097%	97.214%
63.0	11.271	1.116	1022.511	.095%	97.320%
64.0	10.920	1.089	1023.6	.092%	97.423%
65.0	10.554	1.063	1024.662	.090%	97.525%
66.0	10.238	1.037	1025.7	.088%	97.623%
67.0	9.956	1.015	1026.715	.086%	97.720%
68.0	9.696	0.996	1027.711	.085%	97.815%
69.0	9.422	0.975	1028.686	.083%	97.907%
70.0	9.148	0.954	1029.64	.081%	97.998%
71.0	9.007	0.938	1030.578	.080%	98.088%
72.0	9.527	0.964	1031.542	.082%	98.179%
73.0	10.477	1.046	1032.588	.089%	98.279%
74.0	11.756	1.169	1033.757	.099%	98.390%
75.0	13.001	1.308	1035.065	.111%	98.515%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.091	1.438	1036.503	.122%	98.651%
77.0	14.963	1.549	1038.052	.132%	98.799%
78.0	15.455	1.628	1039.68	.138%	98.954%
79.0	14.941	1.633	1041.313	.139%	99.109%
80.0	13.598	1.539	1042.852	.131%	99.256%
81.0	12.073	1.388	1044.24	.118%	99.388%
82.0	10.666	1.233	1045.473	.105%	99.505%
83.0	8.353	1.034	1046.507	.088%	99.604%
84.0	6.469	0.807	1047.315	.069%	99.681%
85.0	5.583	0.658	1047.972	.056%	99.743%
86.0	5.280	0.594	1048.566	.050%	99.800%
87.0	4.999	0.563	1049.129	.048%	99.853%
88.0	4.732	0.533	1049.662	.045%	99.904%
89.0	4.584	0.511	1050.172	.043%	99.953%
90.0	4.514	0.499	1050.671	.042%	100.000%

Zonal flux distribution table

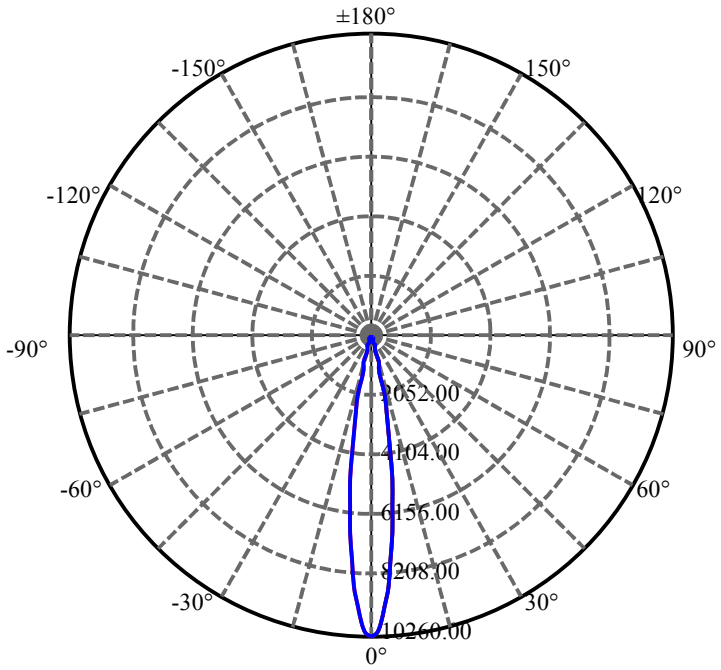
ZONAL LUMEN SUMMARY

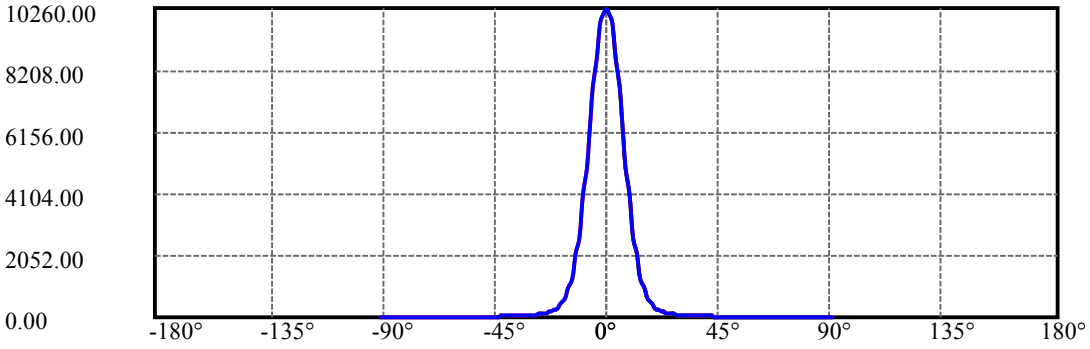
Zone	Lumens	%Lamp	%Fixt
0-30	952.98	80.94%	90.70%
0-40	984.69	83.63%	93.72%
0-60	1019.08	86.55%	96.99%
0-90	1050.17	89.19%	99.95%
0-120	1050.17	89.19%	99.95%
0-180	1050.67	89.23%	100.00%
60-90	32.29	2.74%	3.07%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-16.52	840.54	71.39%	80.00%

ZONAL LUMEN SUMMARY

0-10	586.07
10-20	305.07
20-30	61.84
30-40	31.72
40-50	20.72
50-60	13.67
60-70	10.56
70-80	13.21
80-90	7.32
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:

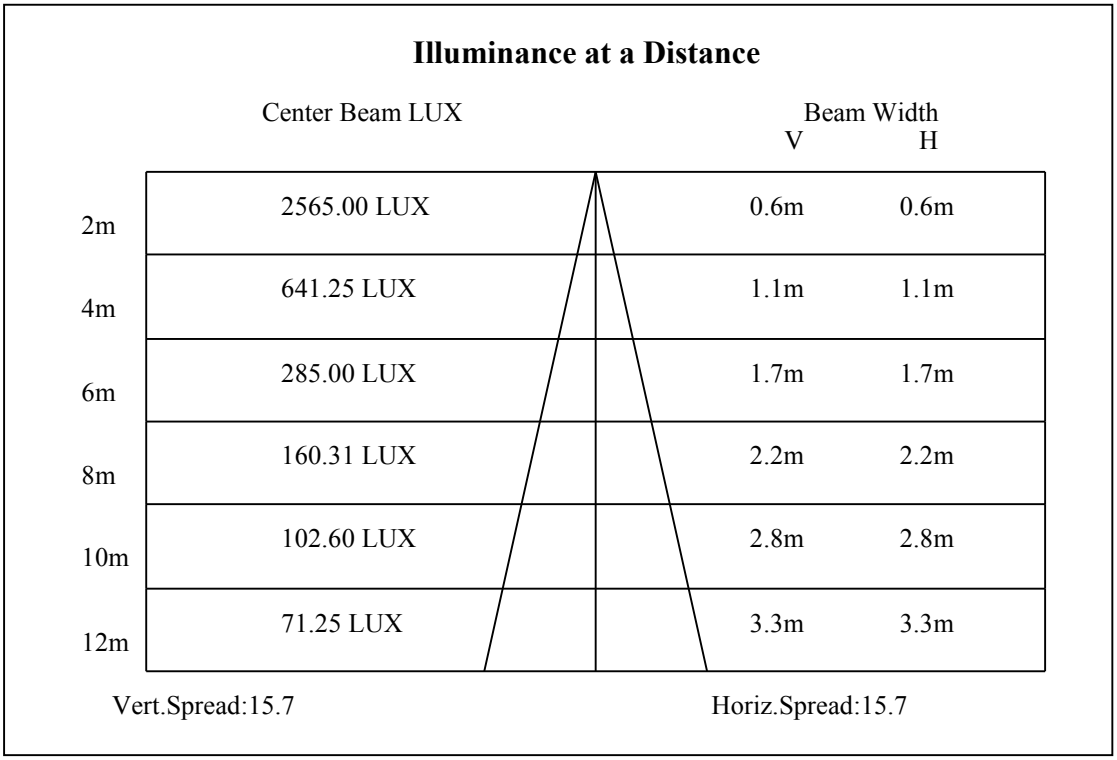
C90/C270:

Field angle(10%Imax):C0/180Left:14.7 Right:14.7
:C90/270Left:14.7 Right:14.7

Beam Angle(50%Imax):C0/180Left:7.8 Right:7.8
:C90/270Left:7.8 Right:7.8

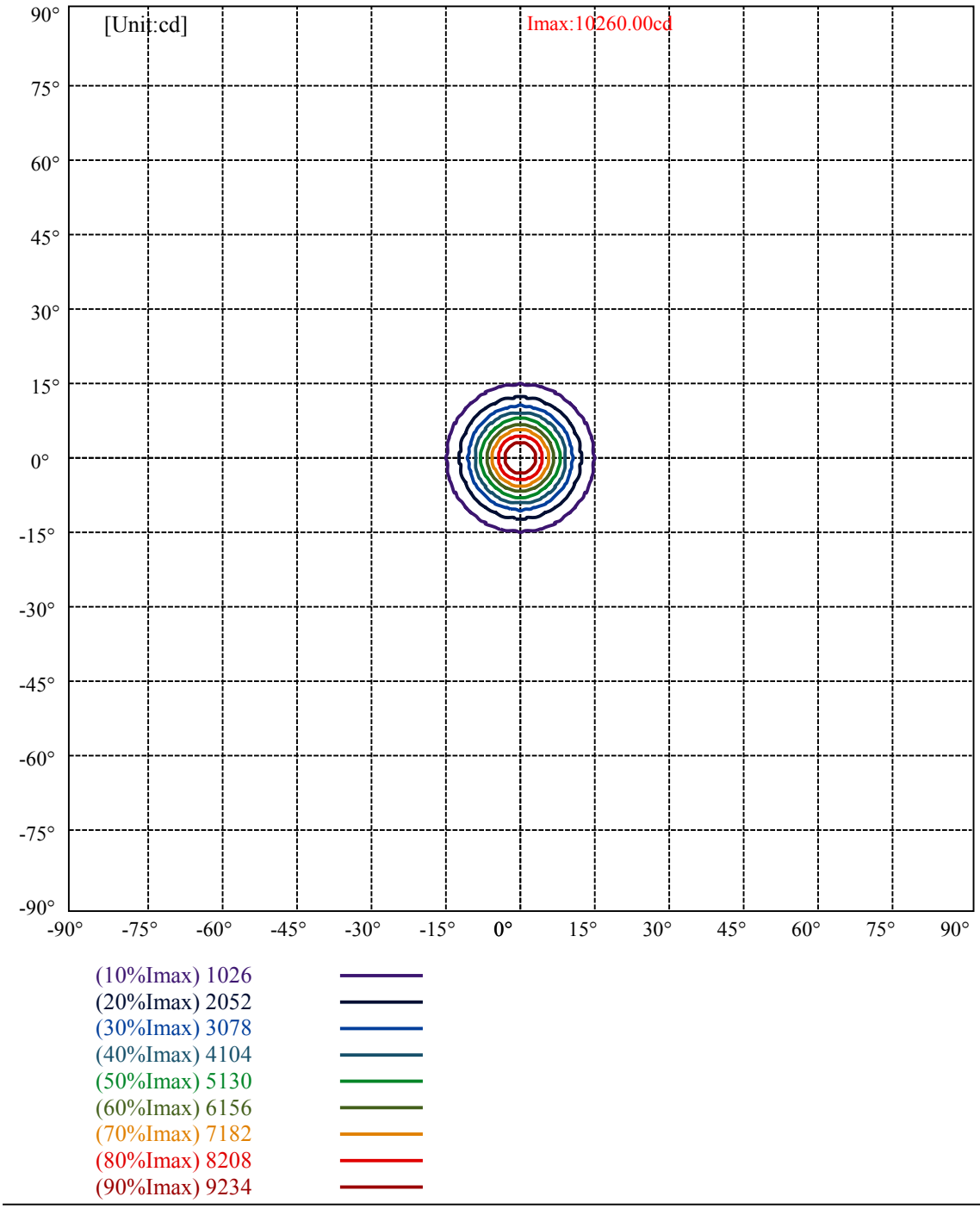
Equipment: GMS1980 Date: 2020/4/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

Lux distance Curve



Equipment: GMS1980 Date: 2020/4/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

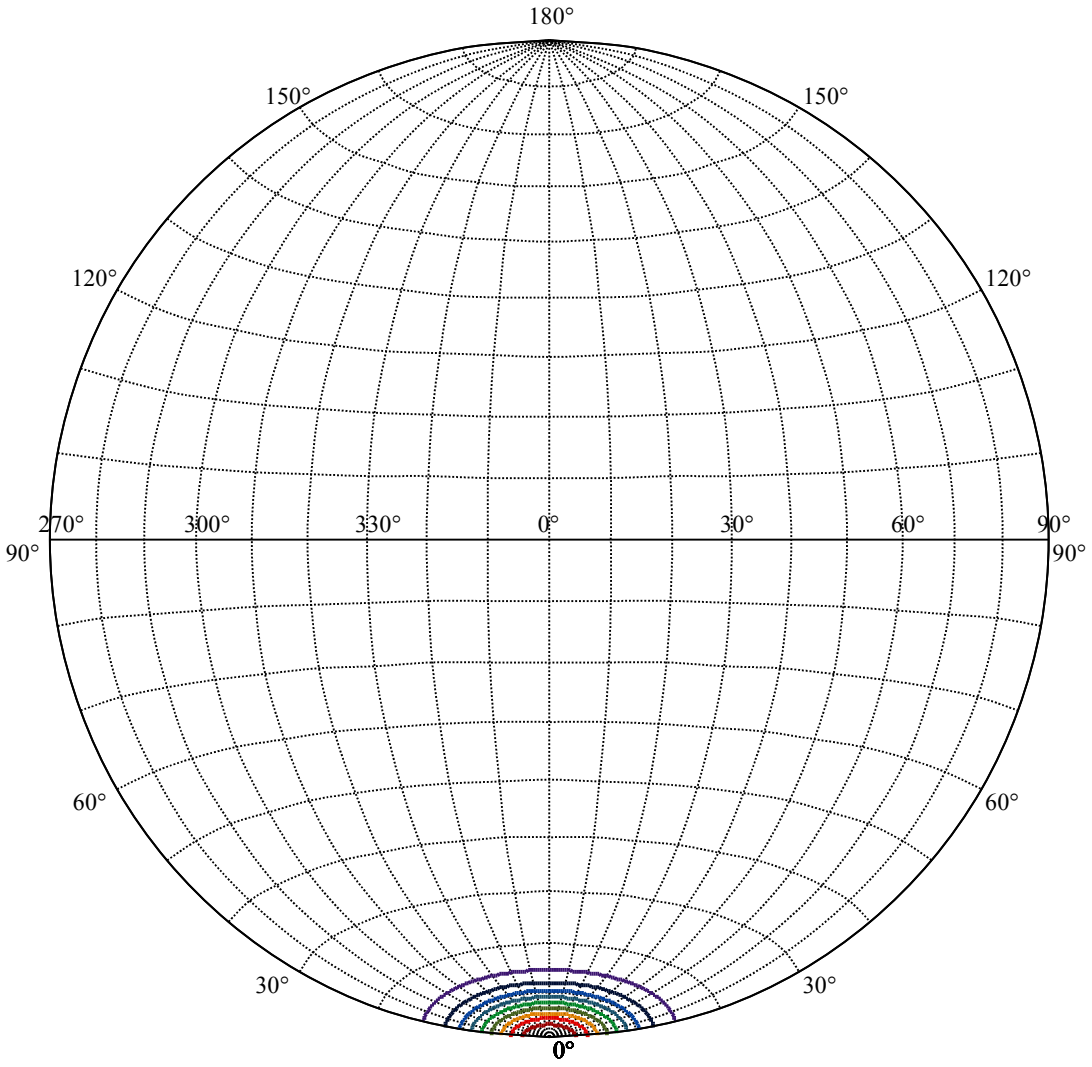


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:10260.00

(10%Imax) 1026
(20%Imax) 2052
(30%Imax) 3078
(40%Imax) 4104
(50%Imax) 5130
(60%Imax) 6156
(70%Imax) 7182
(80%Imax) 8208
(90%Imax) 9234

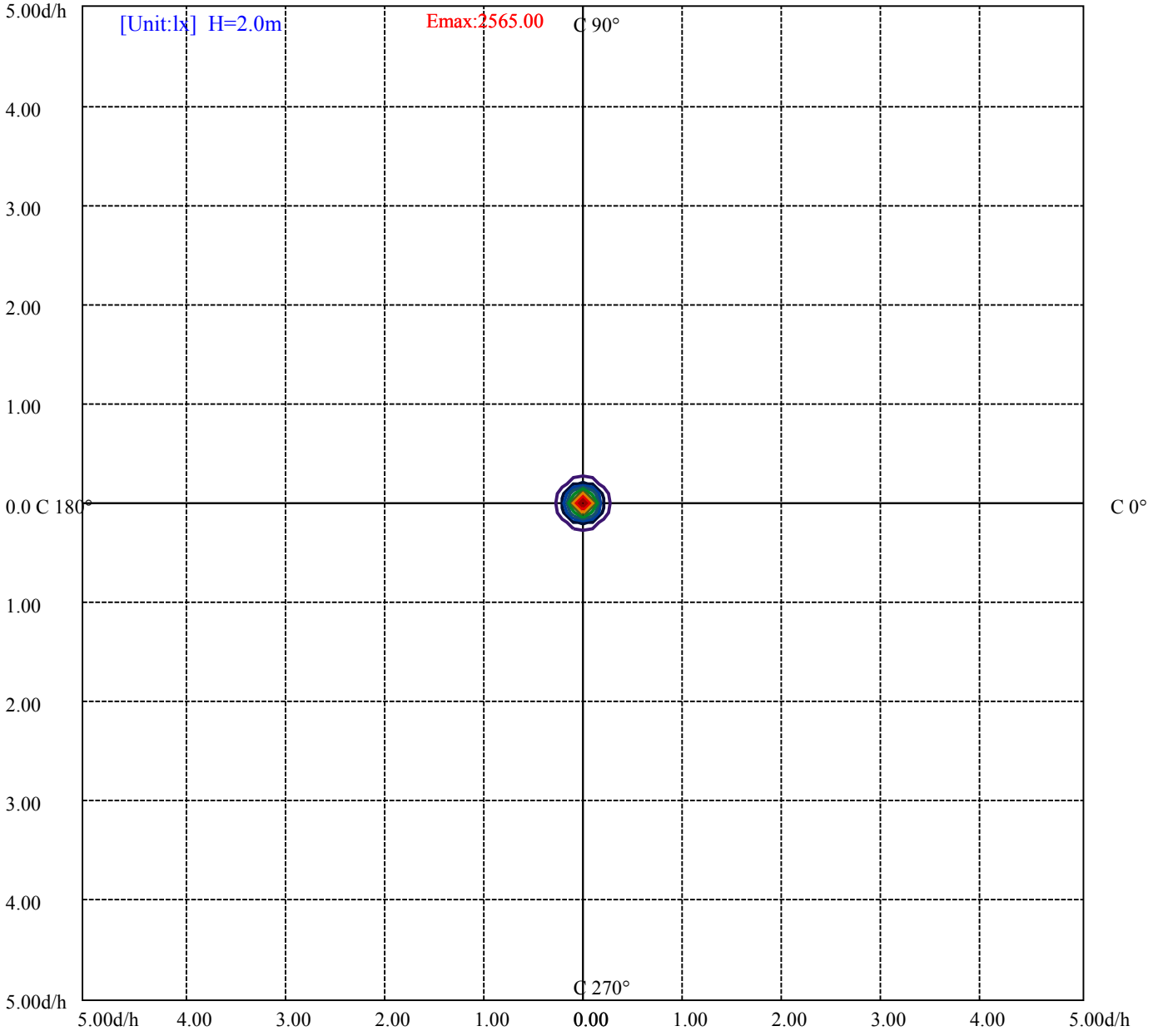
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata LM01D05015DA

ISO illuminance diagram

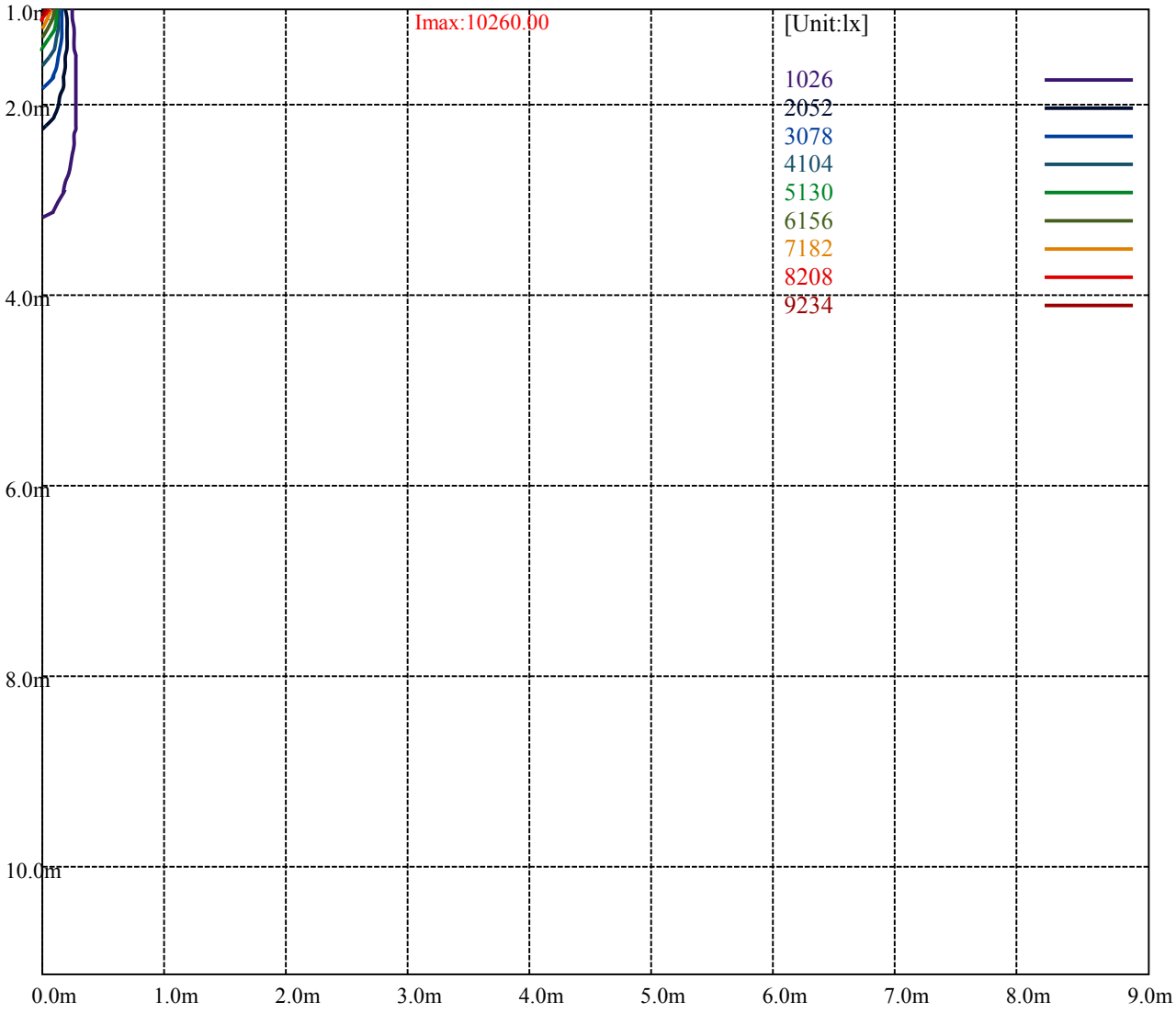


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

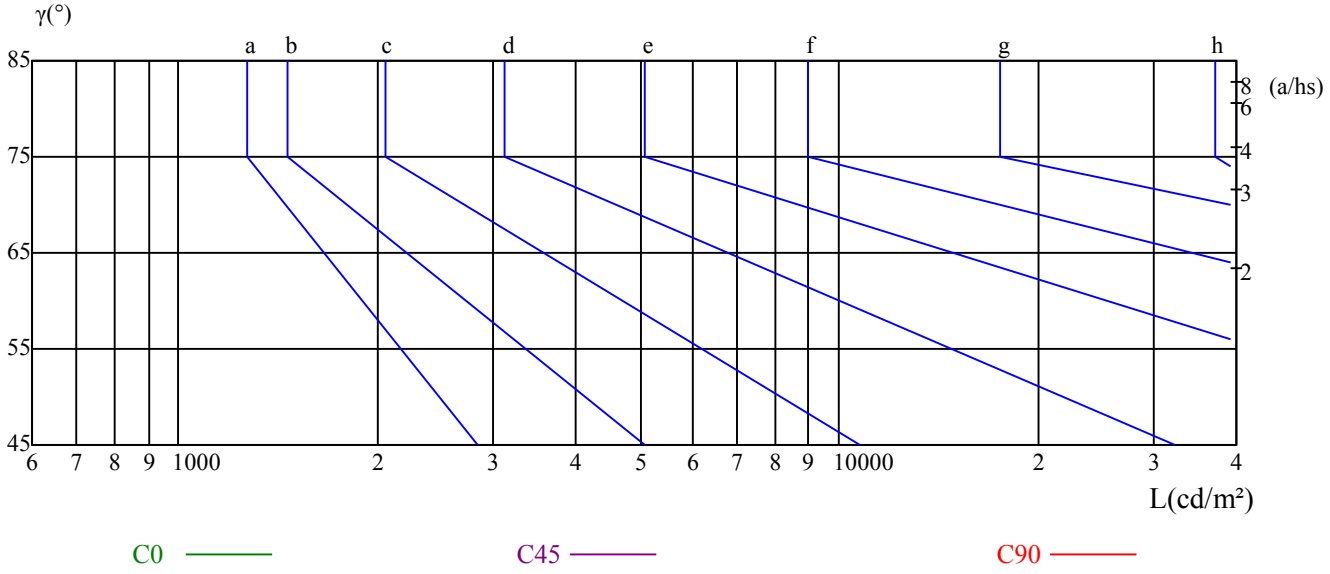
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

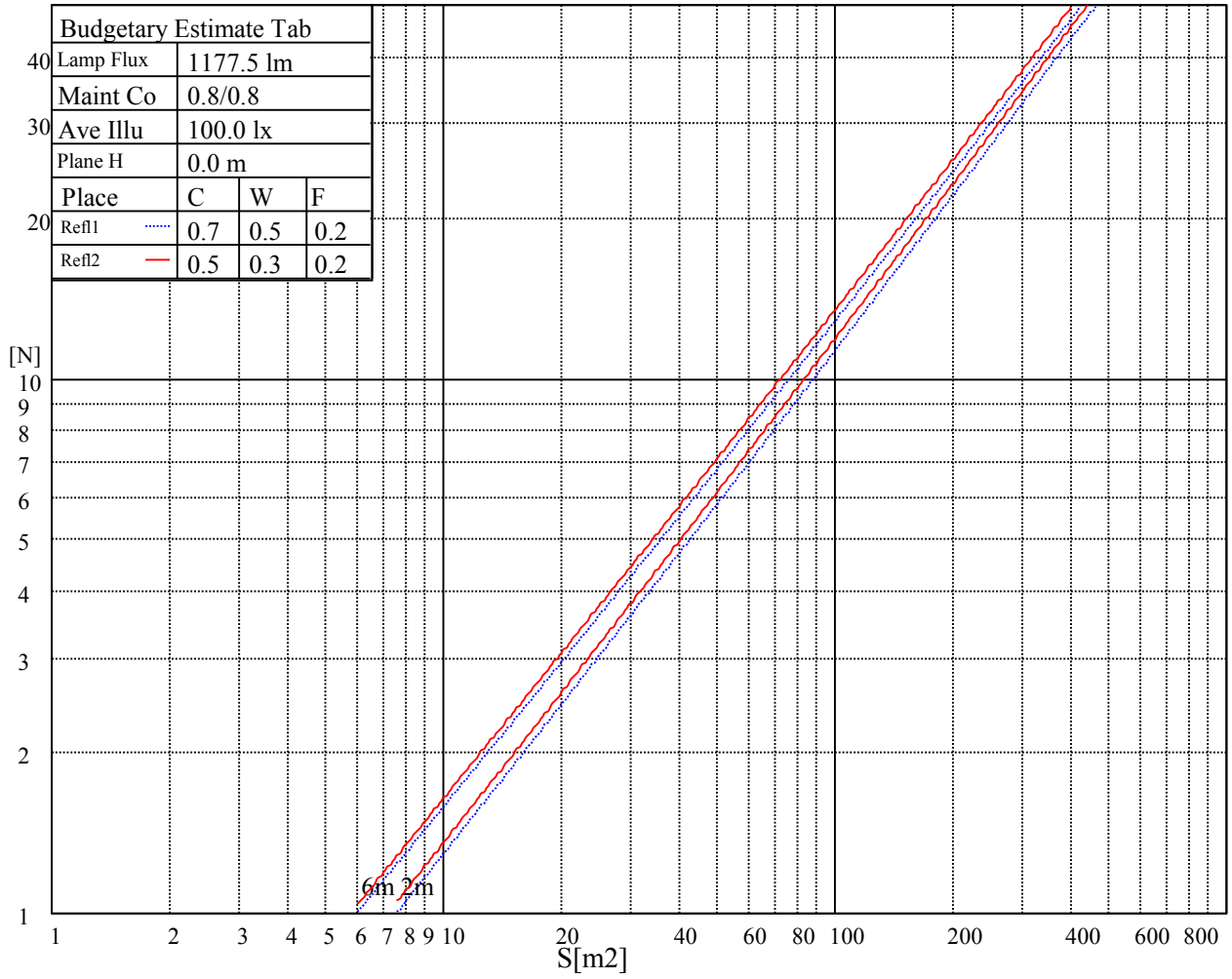
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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

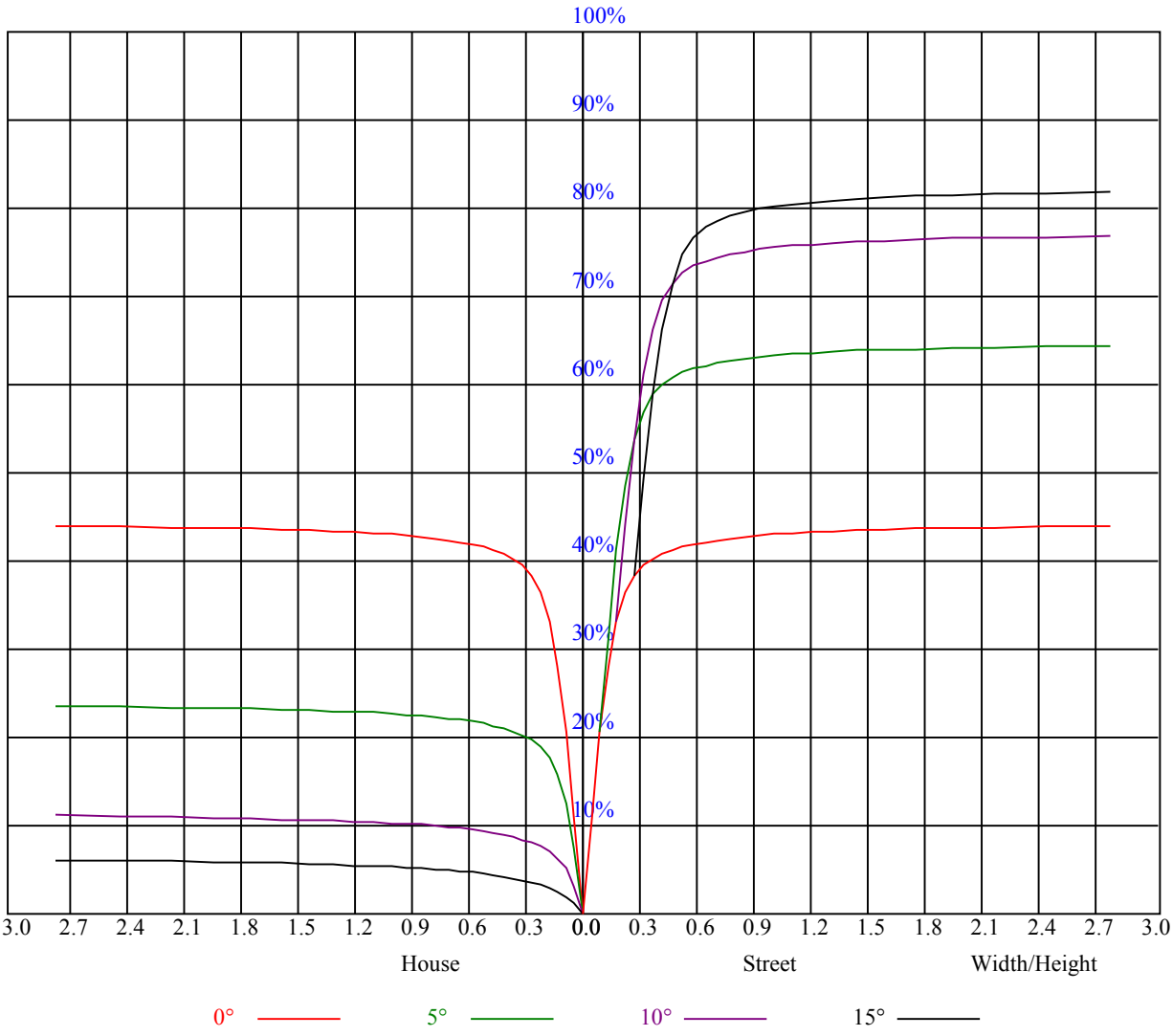


Equipment: GMS1980 Date: 2020/4/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

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	1.06	1.06	1.06	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	1.00	0.99	0.97	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.96	0.93	0.91	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.87	0.85	0.84	0.83
3	0.92	0.89	0.87	0.91	0.88	0.86	0.89	0.86	0.85	0.87	0.85	0.83	0.85	0.83	0.82	0.81
4	0.89	0.86	0.83	0.88	0.85	0.83	0.86	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.79
5	0.86	0.83	0.80	0.86	0.82	0.80	0.84	0.82	0.79	0.83	0.81	0.79	0.82	0.80	0.78	0.77
6	0.84	0.81	0.78	0.84	0.80	0.78	0.82	0.80	0.77	0.81	0.79	0.77	0.80	0.78	0.77	0.76
7	0.82	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.79	0.77	0.75	0.74
8	0.80	0.77	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.74	0.78	0.75	0.74	0.73
9	0.79	0.75	0.73	0.78	0.75	0.73	0.78	0.75	0.73	0.77	0.75	0.73	0.76	0.74	0.73	0.72
10	0.77	0.74	0.72	0.77	0.74	0.72	0.76	0.74	0.72	0.76	0.73	0.72	0.75	0.73	0.71	0.71

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/4/15	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	10238.06	10249.31	9991.13	9545.63	8928.56	7959.94	7112.81	6254.44	5311.69
45.0	10256.63	10246.50	9995.63	9496.69	8881.88	8049.38	7113.94	6252.19	5416.88
90.0	10275.19	10155.38	9786.38	9191.25	8510.06	7628.06	6778.13	5812.88	4890.38
135.0	10270.13	10225.69	9895.50	9414.00	8778.94	7940.25	7007.06	6132.94	5204.81
180.0	10238.06	10038.94	9578.81	8899.88	8153.44	7227.56	6355.69	5394.38	4474.69
225.0	10256.63	10039.50	9628.31	8971.88	8148.94	7320.38	6463.69	5427.00	4615.31
270.0	10275.19	10207.13	9844.88	9334.69	8661.38	7654.50	6800.63	5956.31	5139.56
315.0	10270.13	10122.19	9717.19	9075.38	8355.94	7426.13	6458.06	5618.25	4720.50
360.0	10238.06	10249.31	9991.13	9545.63	8928.56	7959.94	7112.81	6254.44	5311.69

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4410.00	3649.50	2883.38	2296.69	1740.38	1300.50	996.19	735.75	542.81
45.0	4419.00	3655.13	2958.19	2290.50	1753.88	1374.19	1042.31	790.31	618.19
90.0	4110.75	3308.06	2607.19	2082.94	1654.31	1092.83	970.09	766.52	591.41
135.0	4346.44	3615.75	2871.56	2300.63	1772.44	1360.69	1076.63	857.81	647.44
180.0	3710.25	3015.56	2205.00	1784.25	1111.95	1010.53	780.75	604.58	470.81
225.0	3839.06	2962.13	2359.69	1860.75	1278.56	1062.45	826.54	621.79	486.17
270.0	4159.69	3436.31	2787.75	2164.50	1654.31	1292.06	975.38	734.63	573.75
315.0	3956.63	3166.88	2477.25	1960.31	1486.13	1086.69	874.91	682.54	489.38
360.0	4410.00	3649.50	2883.38	2296.69	1740.38	1300.50	996.19	735.75	542.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	417.94	327.38	299.25	199.46	168.30	140.06	123.75	110.14	98.83
45.0	469.69	379.13	298.69	284.63	200.25	165.60	142.09	121.50	107.21
90.0	461.53	375.81	303.41	248.91	212.23	180.56	158.85	138.66	122.18
135.0	516.38	425.81	333.00	284.06	232.93	199.13	166.33	144.62	126.56
180.0	348.86	279.68	223.26	183.04	156.38	133.82	117.90	103.50	92.98
225.0	376.14	296.33	244.29	199.86	166.73	144.06	126.34	108.79	97.31
270.0	441.56	355.50	284.06	230.63	197.66	172.69	149.18	133.65	120.54
315.0	402.08	326.03	262.80	216.62	185.29	158.12	136.69	120.99	106.71
360.0	417.94	327.38	299.25	199.46	168.30	140.06	123.75	110.14	98.83

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	86.79	79.20	72.51	66.15	60.92	56.87	53.10	49.84	47.14
45.0	93.83	83.36	75.26	67.28	60.75	56.31	52.43	48.43	45.96
90.0	109.97	99.73	88.37	80.61	73.91	66.83	62.16	57.88	53.55
135.0	110.31	97.59	87.98	78.75	70.71	65.42	60.13	56.08	52.37
180.0	83.53	76.39	69.64	63.84	59.68	55.63	52.20	49.56	47.19
225.0	87.53	79.26	70.82	65.08	60.24	55.29	51.98	49.22	46.58
270.0	106.88	97.93	89.78	81.68	74.36	68.96	63.56	58.84	55.18
315.0	95.96	85.56	77.29	70.93	65.59	59.96	56.14	52.76	48.83
360.0	86.79	79.20	72.51	66.15	60.92	56.87	53.10	49.84	47.14

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	44.94	42.69	40.33	38.19	36.28	34.48	32.12	30.43	28.74
45.0	43.59	41.63	39.49	37.63	35.61	33.75	31.78	29.81	28.18
90.0	50.34	47.48	44.04	41.57	39.09	36.23	34.14	31.61	29.03
135.0	48.99	46.24	44.04	40.73	38.42	36.39	33.53	31.44	29.59
180.0	44.61	42.58	40.61	38.19	36.17	34.26	32.18	30.15	28.29
225.0	44.10	42.02	39.71	37.52	35.61	33.47	31.56	29.53	27.56
270.0	51.36	48.15	44.83	41.79	39.26	36.84	33.92	31.67	29.53
315.0	46.01	43.43	40.73	38.08	35.83	33.47	31.44	29.19	27.00
360.0	44.94	42.69	40.33	38.19	36.28	34.48	32.12	30.43	28.74

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	26.61	24.98	23.46	21.88	20.42	19.35	18.28	17.44	16.71
45.0	26.38	24.58	23.23	21.88	20.48	19.52	18.62	17.78	16.99
90.0	27.23	25.31	22.95	21.60	20.31	18.73	17.94	17.10	16.26
135.0	27.11	25.20	23.68	21.66	20.42	19.29	17.89	17.10	16.43
180.0	26.27	24.64	22.95	21.49	20.25	19.07	18.00	17.16	16.43
225.0	25.88	24.30	22.50	21.21	20.19	18.96	18.17	17.38	16.65
270.0	27.00	25.09	23.46	21.66	20.19	19.01	18.00	17.10	16.31
315.0	25.20	23.40	21.66	20.25	19.24	18.06	17.16	16.43	15.81
360.0	26.61	24.98	23.46	21.88	20.42	19.35	18.28	17.44	16.71

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.98	15.41	14.79	14.18	13.73	13.39	12.77	12.38	12.04
45.0	16.37	15.69	15.08	14.46	13.95	13.50	12.94	12.49	12.09
90.0	15.53	14.96	14.29	13.78	13.28	12.77	12.38	11.93	11.53
135.0	15.64	15.08	14.51	13.84	13.39	12.99	12.43	12.04	11.64
180.0	15.58	14.96	14.46	13.84	13.33	12.88	12.43	11.98	11.59
225.0	15.92	15.30	14.68	14.12	13.56	13.05	12.60	12.09	11.70
270.0	15.53	14.91	14.23	13.67	13.22	12.77	12.21	11.81	11.48
315.0	15.02	14.51	13.95	13.39	12.94	12.49	12.09	11.64	11.31
360.0	15.98	15.41	14.79	14.18	13.73	13.39	12.77	12.38	12.04

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.64	11.25	10.91	10.52	10.18	9.96	9.62	9.28	9.00
45.0	11.64	11.25	10.86	10.58	10.29	10.01	9.73	9.45	9.11
90.0	11.19	10.86	10.46	10.18	9.96	9.68	9.39	9.23	9.23
135.0	11.25	10.86	10.52	10.18	9.90	9.62	9.34	9.00	8.78
180.0	11.14	10.86	10.41	10.07	9.73	9.51	9.17	8.89	8.66
225.0	11.31	10.97	10.58	10.24	9.96	9.62	9.39	9.06	8.72
270.0	11.08	10.74	10.41	10.13	9.84	9.68	9.51	9.28	9.84
315.0	10.91	10.58	10.29	10.01	9.79	9.51	9.23	9.00	8.72
360.0	11.64	11.25	10.91	10.52	10.18	9.96	9.62	9.28	9.00

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.61	8.33	8.04	7.65	7.43	7.20	6.98	6.81	6.58
45.0	8.78	8.44	8.16	7.82	7.54	7.31	7.14	6.86	6.75
90.0	11.76	16.03	22.16	27.51	32.91	37.18	39.54	38.19	32.91
135.0	8.49	8.21	7.99	7.65	7.43	7.26	7.03	6.86	6.69
180.0	8.21	7.93	7.71	7.37	7.20	6.98	6.81	6.64	6.41
225.0	8.38	8.10	7.71	7.48	7.26	7.03	6.81	6.64	6.36
270.0	13.56	18.62	24.36	30.94	35.66	39.60	42.41	40.67	36.34
315.0	8.44	8.16	7.93	7.59	7.31	7.14	6.92	6.86	6.75
360.0	8.61	8.33	8.04	7.65	7.43	7.20	6.98	6.81	6.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.41	6.19	5.96	5.74	5.57	5.29	5.06	4.84	4.73
45.0	6.53	6.24	6.02	5.68	5.51	5.34	5.06	4.84	4.67
90.0	28.35	23.63	14.06	8.10	5.85	5.29	4.89	4.67	4.56
135.0	6.58	6.47	6.24	5.96	5.63	5.23	4.84	4.67	4.56
180.0	6.19	6.02	5.79	5.57	5.34	5.12	4.89	4.73	4.61
225.0	6.13	5.91	5.63	5.46	5.23	5.12	5.01	4.84	4.56
270.0	30.09	24.86	17.38	9.68	6.19	5.79	5.51	4.78	4.56
315.0	6.30	6.02	5.74	5.57	5.34	5.06	4.73	4.50	4.44
360.0	6.41	6.19	5.96	5.74	5.57	5.29	5.06	4.84	4.73

Intensity data(cd)

C/γ(°)	90.0
0.0	4.67
45.0	4.56
90.0	4.44
135.0	4.44
180.0	4.61
225.0	4.56
270.0	4.44
315.0	4.39
360.0	4.67