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Nata

LumCAT: LN01D05024DA-N
Luminaire: 97.70.234.00

Report No: 200805-B010	Voltage(V): 33.7900
Test No: 200805-B010	Current(A): 0.1500
LampCAT: BRIDGELUX V6HD LES7	Power (W): 5.0680
Lamp flux(lm): 705.6	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): 640.69
Efficiency(%): 90.80%
Lumens(lm)/Power(W): 126.42
Central intensity(cd): 2871.000
Maximum intensity(cd): 2871.000
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.4
[C90/270]Total=25.4
Field angle(10%Imax): [C0/180]Total=42.2
[C90/270]Total=42.2
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.80%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.657%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2871.000	0.000	0	.000%	.000%
1.0	2864.180	2.744	2.744	.389%	.428%
2.0	2843.930	8.193	10.937	1.161%	1.707%
3.0	2805.469	13.512	24.449	1.915%	3.816%
4.0	2751.117	18.600	43.048	2.636%	6.719%
5.0	2679.398	23.362	66.41	3.311%	10.365%
6.0	2581.242	27.646	94.056	3.918%	14.680%
7.0	2458.125	31.279	125.335	4.433%	19.563%
8.0	2324.320	34.227	159.562	4.850%	24.905%
9.0	2153.953	36.294	195.856	5.143%	30.570%
10.0	1961.789	37.246	233.102	5.278%	36.383%
11.0	1781.016	37.398	270.501	5.300%	42.220%
12.0	1587.094	36.818	307.319	5.218%	47.967%
13.0	1367.430	35.063	342.382	4.969%	53.440%
14.0	1174.500	32.536	374.918	4.611%	58.518%
15.0	1014.237	30.048	404.966	4.258%	63.208%
16.0	847.863	27.285	432.251	3.867%	67.467%
17.0	703.905	24.165	456.416	3.425%	71.239%
18.0	576.689	21.114	477.53	2.992%	74.534%
19.0	459.900	18.035	495.565	2.556%	77.349%
20.0	365.850	15.114	510.679	2.142%	79.708%
21.0	293.379	12.659	523.337	1.794%	81.684%
22.0	226.343	10.444	533.781	1.480%	83.314%
23.0	188.606	8.707	542.488	1.234%	84.673%
24.0	143.121	7.253	549.741	1.028%	85.805%
25.0	114.595	5.860	555.6	.830%	86.719%
26.0	96.026	4.972	560.572	.705%	87.495%
27.0	81.696	4.348	564.92	.616%	88.174%
28.0	70.214	3.846	568.766	.545%	88.774%
29.0	61.896	3.456	572.223	.490%	89.314%
30.0	55.371	3.166	575.389	.449%	89.808%
31.0	49.486	2.918	578.307	.414%	90.264%
32.0	44.895	2.704	581.011	.383%	90.686%
33.0	41.147	2.535	583.546	.359%	91.081%
34.0	37.575	2.382	585.928	.338%	91.453%
35.0	34.777	2.247	588.175	.318%	91.804%
36.0	32.231	2.134	590.308	.302%	92.137%
37.0	29.911	2.027	592.335	.287%	92.453%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	27.872	1.929	594.264	.273%	92.754%
39.0	25.952	1.837	596.101	.260%	93.041%
40.0	24.180	1.748	597.849	.248%	93.314%
41.0	22.620	1.667	599.516	.236%	93.574%
42.0	21.108	1.589	601.105	.225%	93.822%
43.0	19.512	1.505	602.609	.213%	94.057%
44.0	18.246	1.425	604.034	.202%	94.279%
45.0	16.995	1.354	605.389	.192%	94.491%
46.0	15.715	1.279	606.668	.181%	94.690%
47.0	14.611	1.206	607.874	.171%	94.878%
48.0	13.627	1.142	609.016	.162%	95.057%
49.0	12.593	1.077	610.092	.153%	95.225%
50.0	11.707	1.013	611.105	.144%	95.383%
51.0	11.004	0.961	612.066	.136%	95.533%
52.0	10.343	0.916	612.982	.130%	95.676%
53.0	9.773	0.875	613.857	.124%	95.812%
54.0	9.309	0.841	614.699	.119%	95.944%
55.0	8.888	0.812	615.511	.115%	96.070%
56.0	8.550	0.788	616.299	.112%	96.193%
57.0	8.255	0.768	617.067	.109%	96.313%
58.0	7.959	0.750	617.817	.106%	96.430%
59.0	7.720	0.733	618.55	.104%	96.545%
60.0	7.481	0.718	619.268	.102%	96.657%
61.0	7.242	0.703	619.971	.100%	96.767%
62.0	7.045	0.688	620.659	.098%	96.874%
63.0	6.870	0.677	621.336	.096%	96.980%
64.0	6.673	0.665	622	.094%	97.083%
65.0	6.518	0.653	622.653	.093%	97.185%
66.0	6.356	0.642	623.296	.091%	97.286%
67.0	6.202	0.631	623.927	.089%	97.384%
68.0	6.061	0.621	624.548	.088%	97.481%
69.0	5.955	0.613	625.161	.087%	97.577%
70.0	6.145	0.621	625.783	.088%	97.674%
71.0	6.483	0.653	626.435	.092%	97.776%
72.0	7.059	0.704	627.14	.100%	97.885%
73.0	7.805	0.777	627.917	.110%	98.007%
74.0	8.768	0.871	628.788	.123%	98.143%
75.0	9.647	0.973	629.761	.138%	98.295%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.357	1.062	630.823	.150%	98.460%
77.0	10.744	1.125	631.948	.159%	98.636%
78.0	10.688	1.147	633.095	.163%	98.815%
79.0	10.209	1.123	634.218	.159%	98.990%
80.0	9.274	1.050	635.268	.149%	99.154%
81.0	8.311	0.951	636.219	.135%	99.303%
82.0	7.052	0.833	637.052	.118%	99.433%
83.0	5.822	0.700	637.752	.099%	99.542%
84.0	4.852	0.581	638.334	.082%	99.633%
85.0	3.945	0.480	638.814	.068%	99.708%
86.0	3.663	0.416	639.23	.059%	99.773%
87.0	3.445	0.389	639.619	.055%	99.833%
88.0	3.284	0.369	639.987	.052%	99.891%
89.0	3.178	0.354	640.342	.050%	99.946%
90.0	3.122	0.345	640.687	.049%	100.000%

Zonal flux distribution table

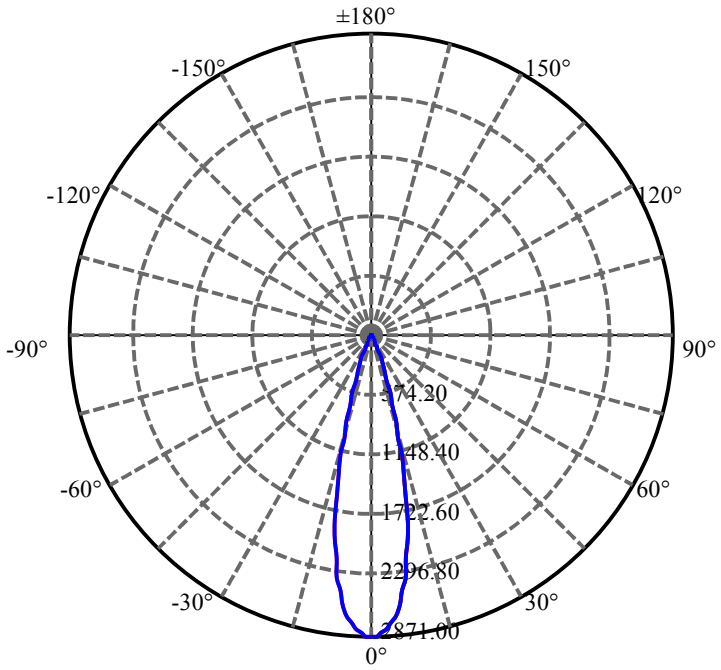
ZONAL LUMEN SUMMARY

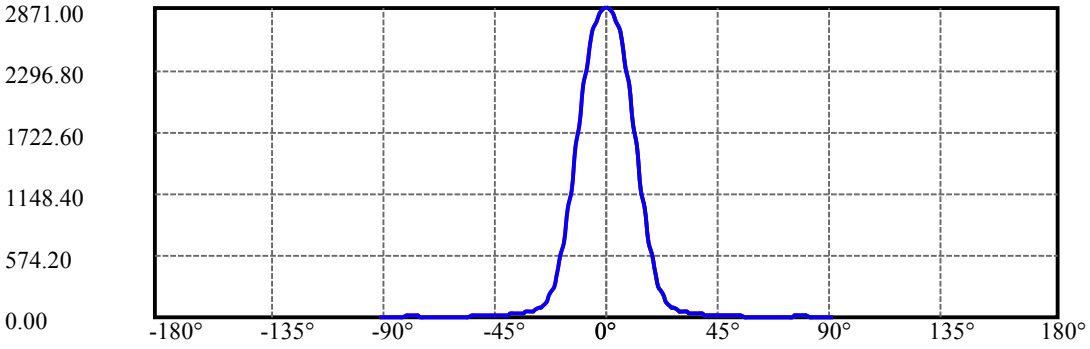
Zone	Lumens	%Lamp	%Fixt
0-30	575.39	81.54%	89.81%
0-40	597.85	84.72%	93.31%
0-60	619.27	87.76%	96.66%
0-90	640.34	90.75%	99.95%
0-120	640.34	90.75%	99.95%
0-180	640.69	90.80%	100.00%
60-90	21.79	3.09%	3.40%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-20.15	512.55	72.64%	80.00%

ZONAL LUMEN SUMMARY

0-10	233.10
10-20	277.58
20-30	64.71
30-40	22.46
40-50	13.26
50-60	8.16
60-70	6.51
70-80	9.49
80-90	5.07
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:

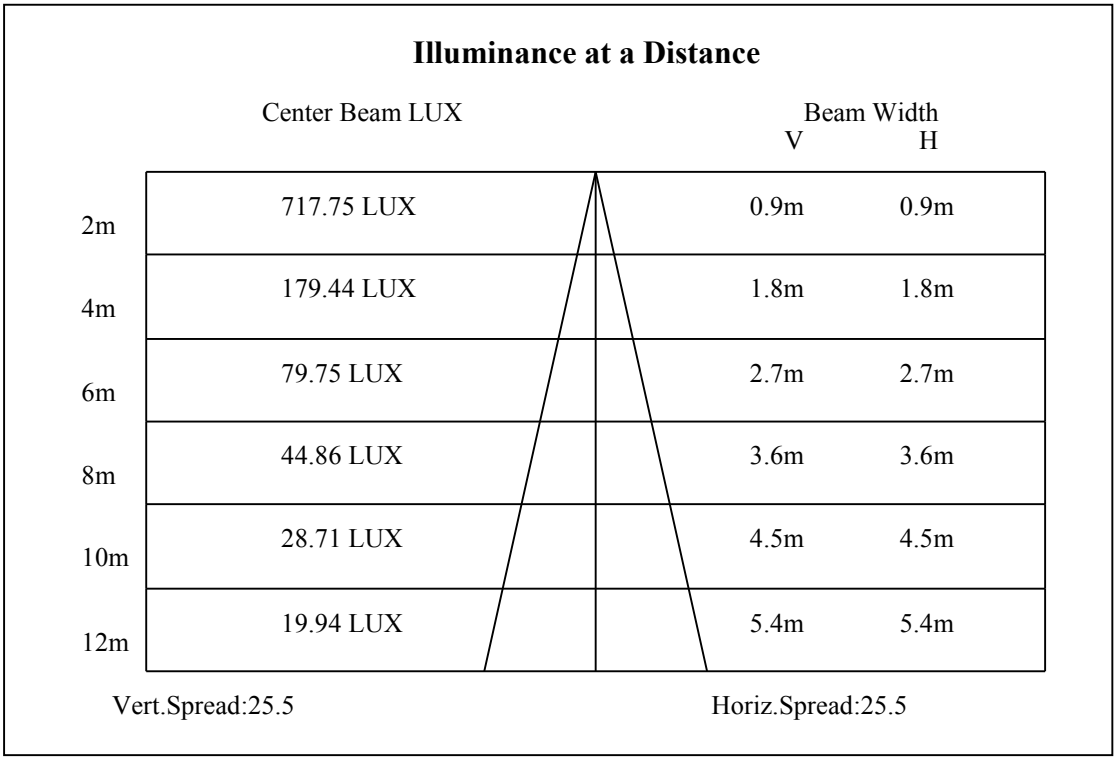
Field angle(10%Imax):C0/180Left:21.1 Right:21.1
:C90/270Left:21.1 Right:21.1

Beam Angle(50%Imax):C0/180Left:12.7 Right:12.7
:C90/270Left:12.7 Right:12.7

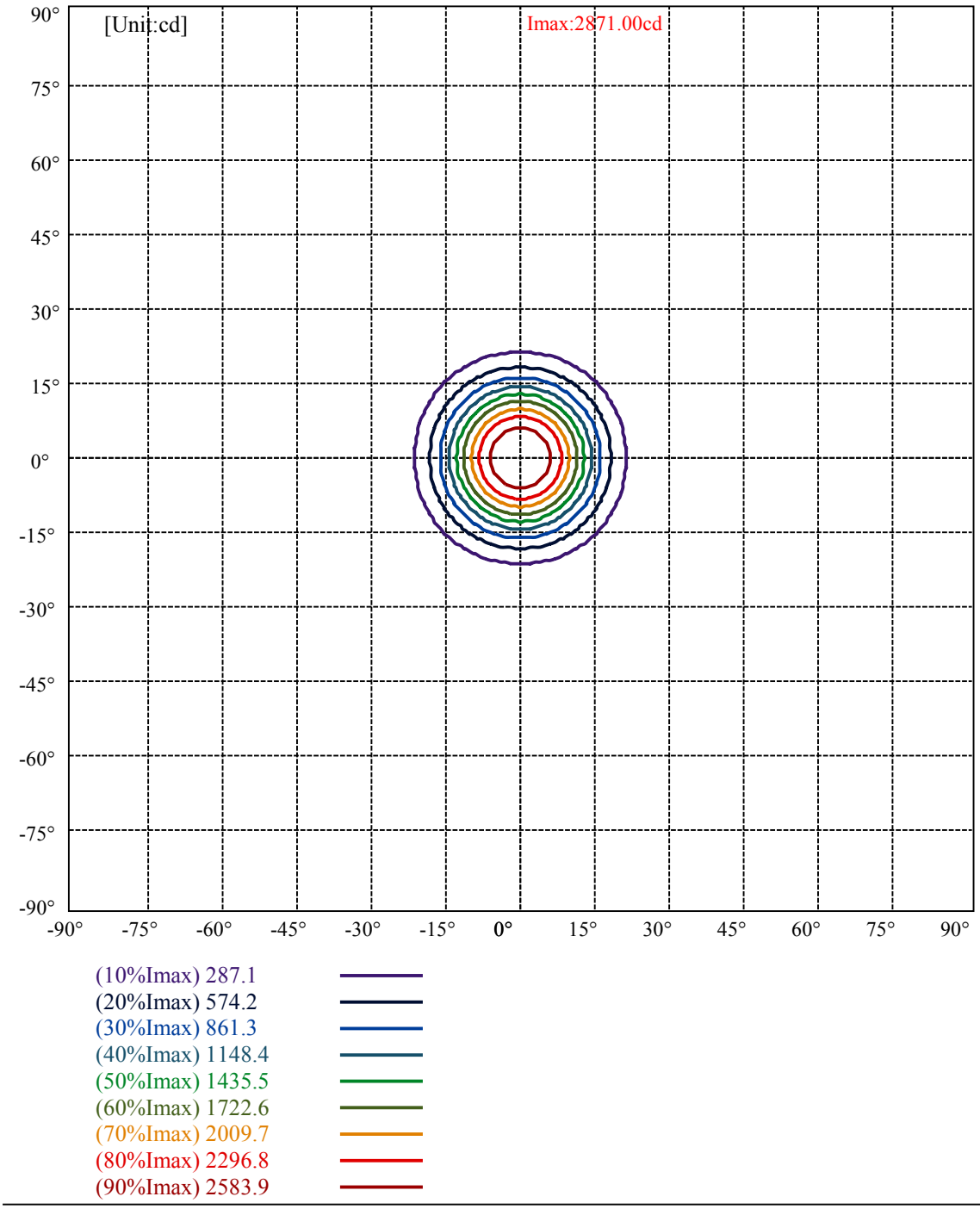
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/05
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50


Illuminance at a Distance
Center Beam LUX
Beam Width
V
H
2m
717.75 LUX
0.9m
0.9m
4m
179.44 LUX
1.8m
1.8m
6m
79.75 LUX
2.7m
2.7m
8m
44.86 LUX
3.6m
3.6m
10m
28.71 LUX
4.5m
4.5m
12m
19.94 LUX
5.4m
5.4m
Vert.Spread:25.5
Horiz.Spread:25.5

ISO-Intensity(V-H)

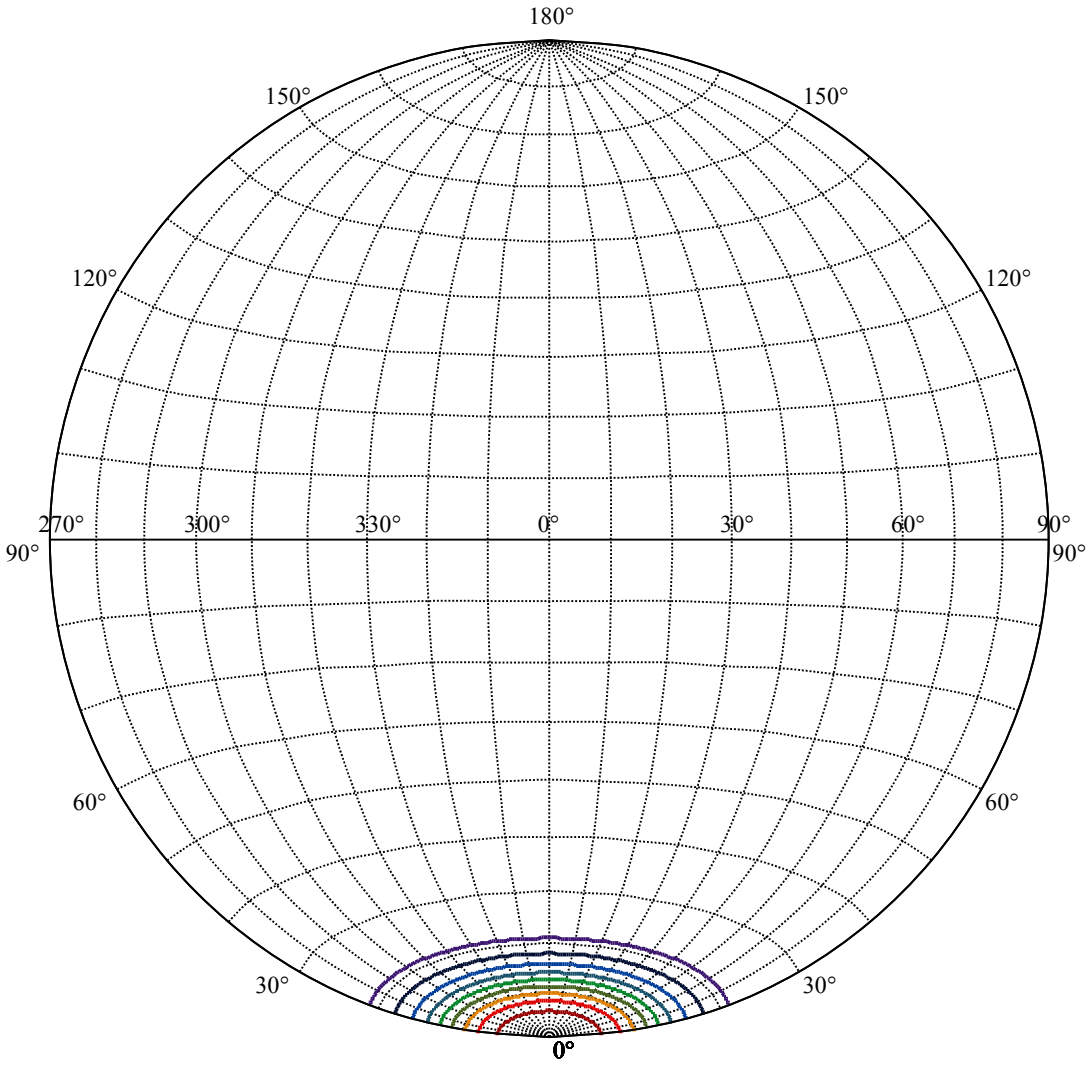


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/05
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2871.00

(10%Imax) 287.1
(20%Imax) 574.2
(30%Imax) 861.3
(40%Imax) 1148.4
(50%Imax) 1435.5
(60%Imax) 1722.6
(70%Imax) 2009.7
(80%Imax) 2296.8
(90%Imax) 2583.9

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/05
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

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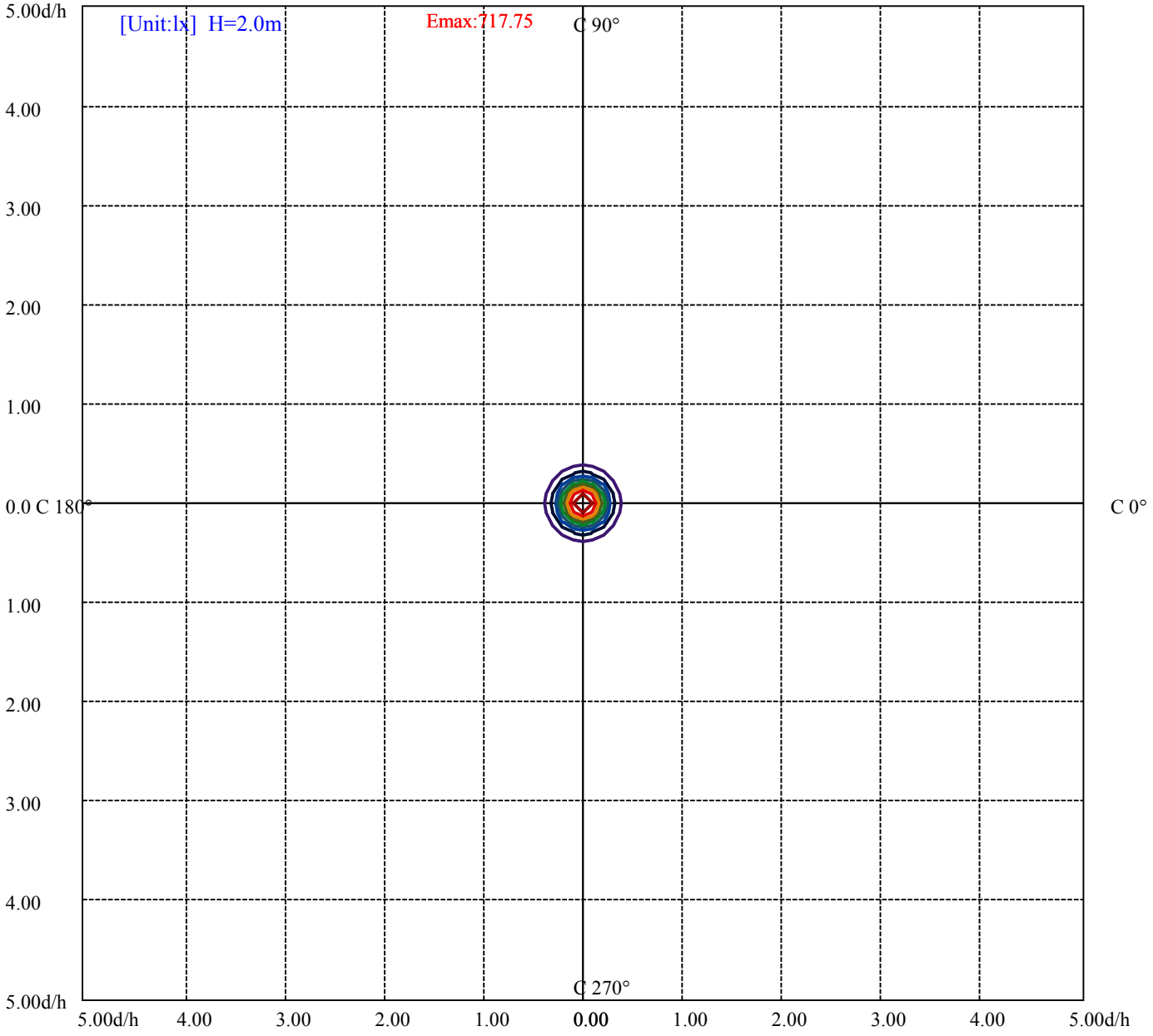
ISO illuminance diagram



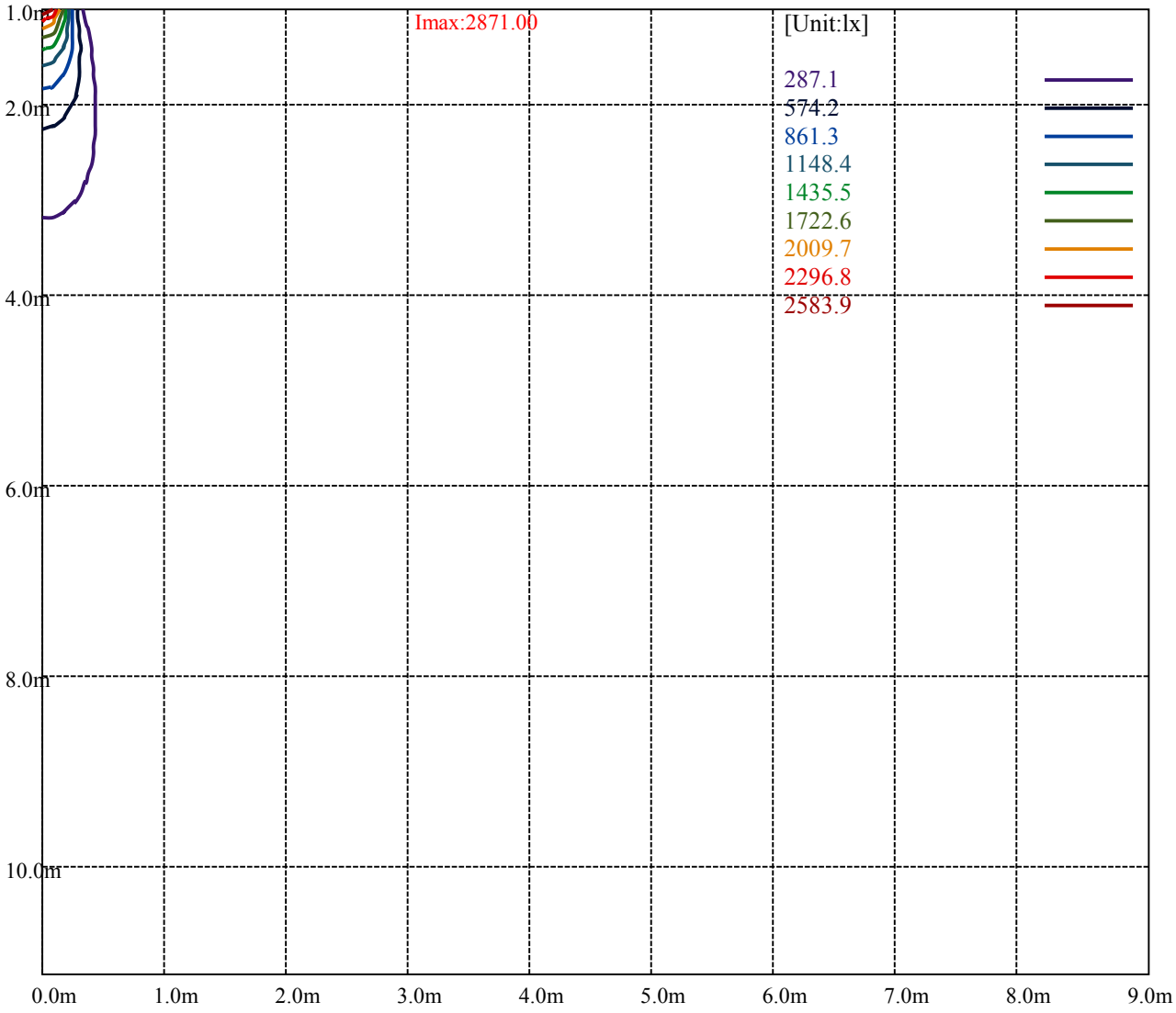
(10%Emax) 71.775
(20%Emax) 143.55
(30%Emax) 215.325
(40%Emax) 287.1
(50%Emax) 358.875
(60%Emax) 430.65
(70%Emax) 502.425
(80%Emax) 574.2
(90%Emax) 645.975

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/05
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/8/05
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata LM01D05024DA

Luminance Limitting Curve(no luminous side)

Luminance Table

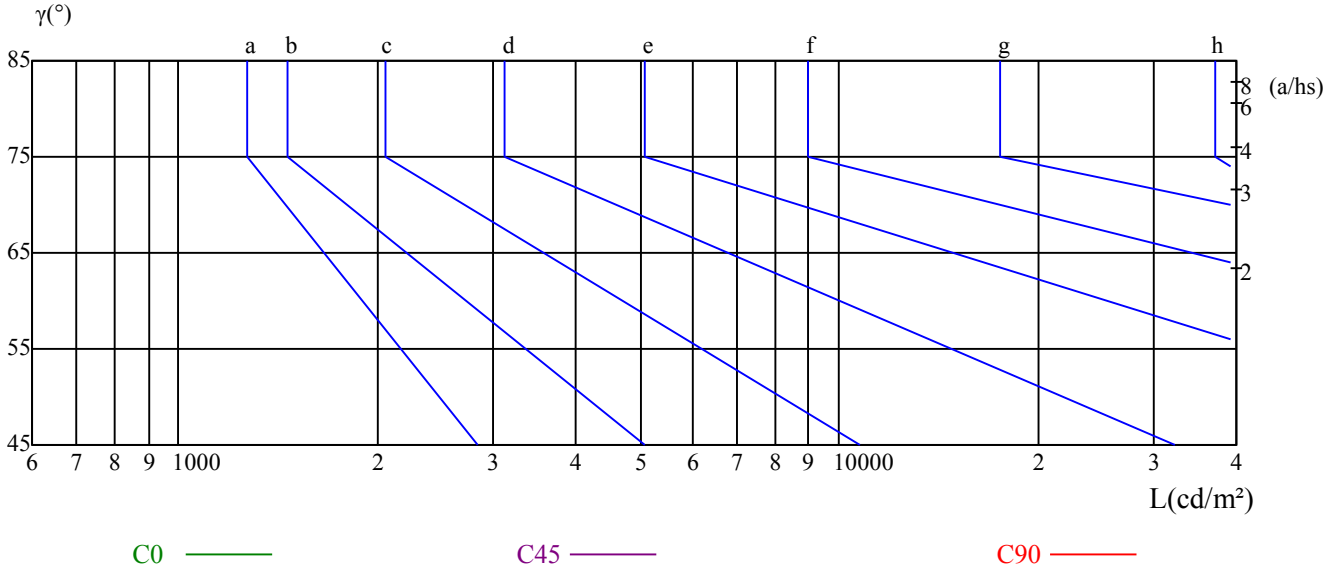
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

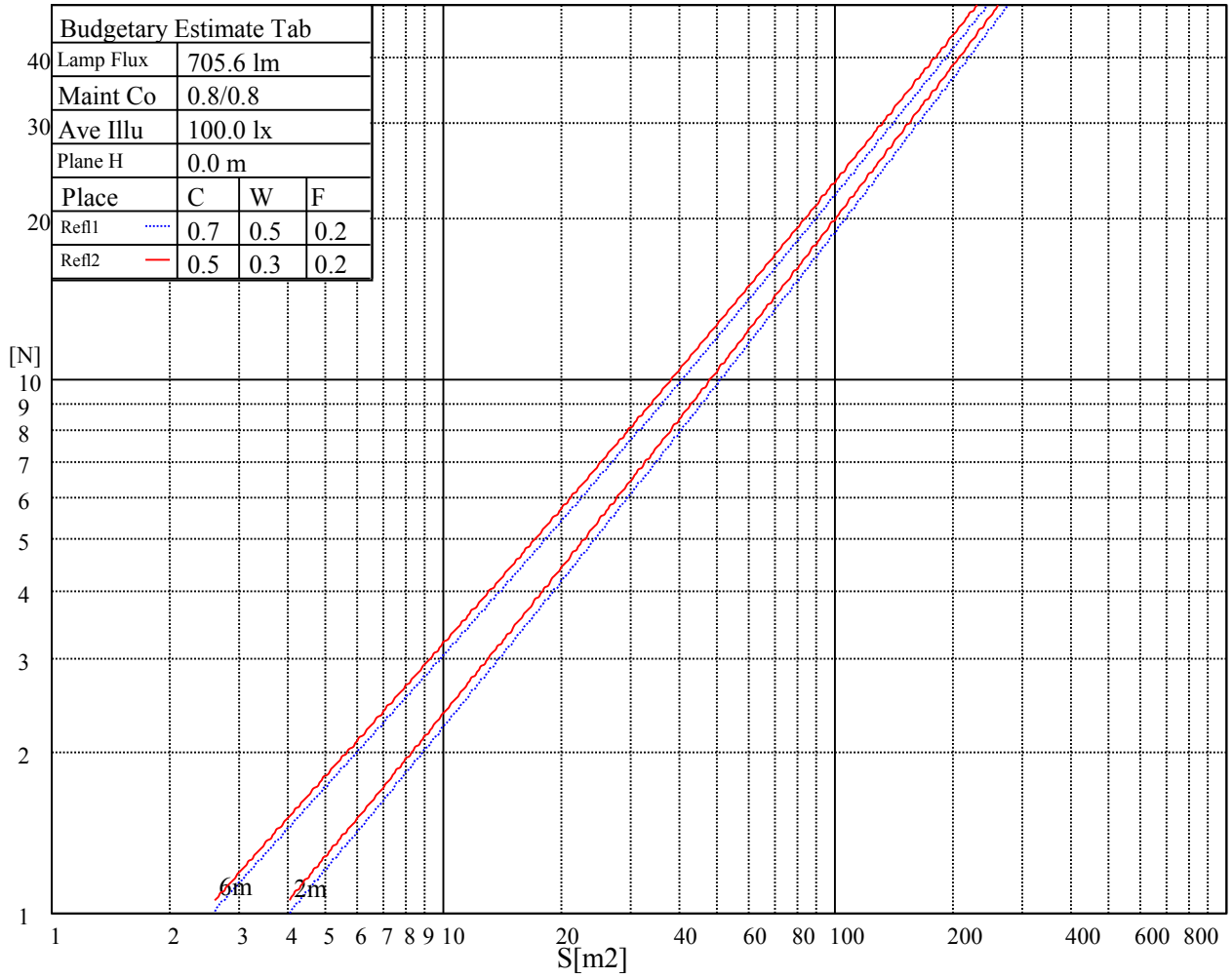
Luminance Limitting Curve



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

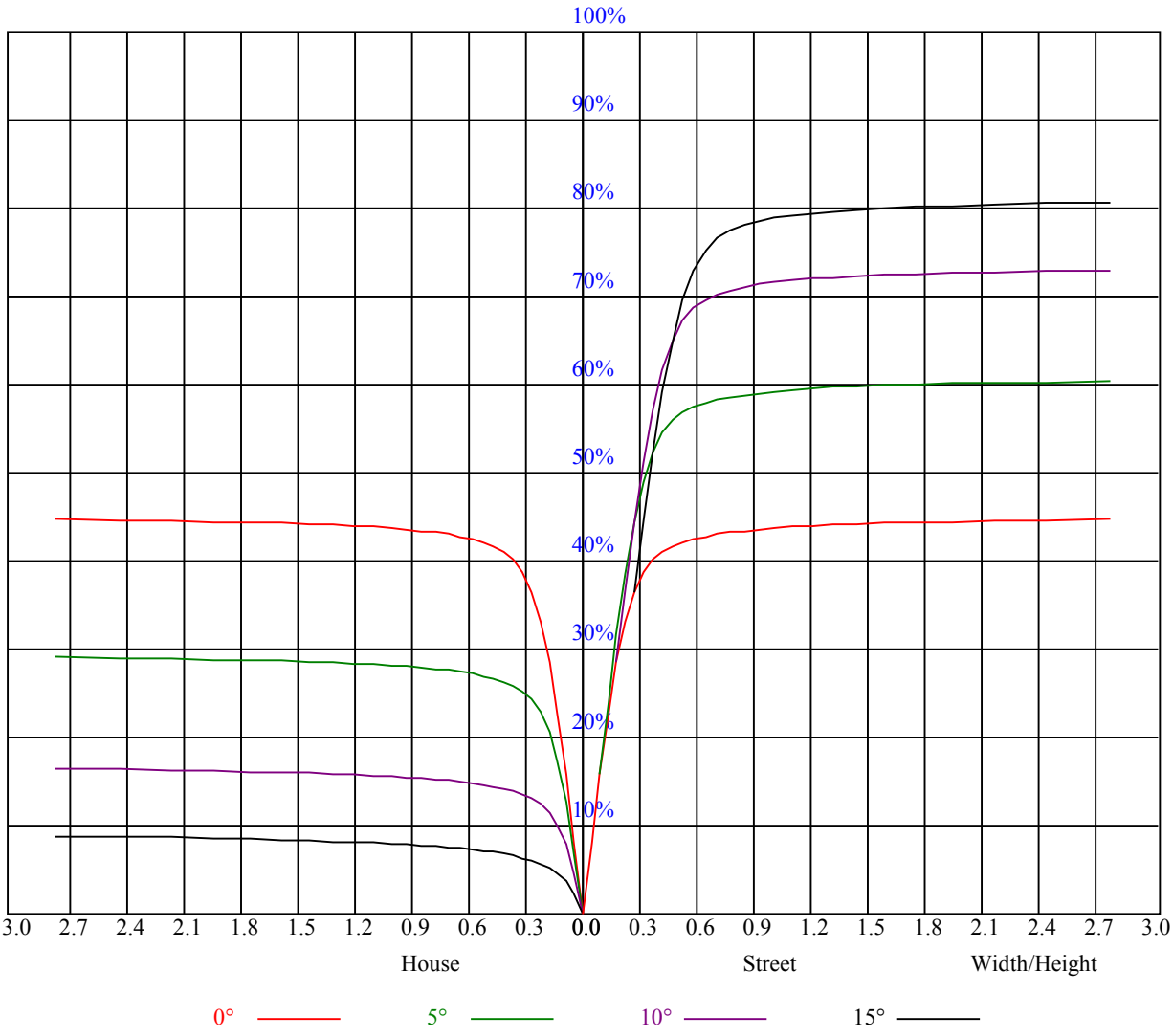


Equipment: GMS1980 Date: 2020/8/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

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	1.08	1.08	1.08	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	0.89	0.89	0.88	0.86
2	0.96	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.87	0.85	0.84	0.83
3	0.92	0.88	0.85	0.91	0.87	0.85	0.88	0.86	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.76	0.74
6	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
9	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.67
10	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.65

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/8/05	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	2868.75	2874.94	2862.00	2831.63	2793.38	2733.19	2650.50	2557.69	2446.88
45.0	2879.44	2862.00	2830.50	2790.56	2728.13	2640.94	2549.25	2419.88	2284.31
90.0	2861.44	2835.00	2796.75	2731.50	2658.38	2570.63	2432.81	2297.81	2140.31
135.0	2873.81	2858.06	2818.69	2770.31	2702.81	2620.13	2504.25	2357.44	2205.00
180.0	2868.75	2850.75	2818.13	2762.44	2680.31	2588.63	2474.44	2295.56	2133.00
225.0	2879.44	2880.00	2874.38	2844.00	2804.06	2741.06	2651.06	2531.81	2405.25
270.0	2861.44	2876.06	2879.44	2869.31	2841.75	2791.69	2730.94	2639.25	2534.06
315.0	2874.94	2876.63	2871.56	2844.00	2800.13	2748.94	2656.69	2565.56	2445.75
360.0	2868.75	2874.94	2862.00	2831.63	2793.38	2733.19	2650.50	2557.69	2446.88

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2288.81	2136.38	1971.00	1789.88	1560.38	1379.25	1200.38	993.94	841.50
45.0	2115.00	1921.50	1735.88	1526.63	1325.25	1150.88	990.00	822.94	682.88
90.0	1919.81	1731.38	1548.00	1318.50	1120.78	978.98	812.93	680.85	563.46
135.0	2017.69	1807.31	1616.63	1451.25	1204.31	1033.88	896.63	722.25	578.25
180.0	1949.06	1710.00	1517.63	1336.50	1115.10	952.31	802.13	651.77	532.97
225.0	2235.94	2042.44	1857.38	1643.06	1451.25	1115.21	1031.96	893.42	746.27
270.0	2393.44	2228.06	2057.06	1872.56	1636.88	1443.94	1257.75	1037.81	877.50
315.0	2311.88	2117.25	1944.56	1758.38	1525.50	1341.56	1122.13	979.93	808.43
360.0	2288.81	2136.38	1971.00	1789.88	1560.38	1379.25	1200.38	993.94	841.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	703.69	570.38	454.50	366.19	284.06	247.11	180.06	138.09	113.74
45.0	555.75	439.88	339.75	290.81	224.16	164.64	135.90	113.91	92.93
90.0	448.31	351.51	281.81	219.54	171.84	139.73	115.59	93.99	81.28
135.0	491.06	375.75	289.69	250.82	178.93	144.23	115.43	94.73	81.45
180.0	415.86	321.24	254.31	196.71	153.68	125.44	104.46	85.73	74.87
225.0	588.94	479.98	387.68	291.99	231.69	184.95	146.25	117.45	99.17
270.0	734.63	595.13	474.19	382.50	296.44	288.00	180.56	141.58	115.99
315.0	675.28	545.34	444.88	348.47	269.94	214.76	166.73	131.29	108.79
360.0	703.69	570.38	454.50	366.19	284.06	247.11	180.06	138.09	113.74

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	95.40	79.14	69.58	62.16	54.84	50.01	45.84	41.51	38.53
45.0	78.64	70.43	60.41	53.78	49.28	43.88	40.39	37.24	33.98
90.0	71.44	62.61	55.41	49.84	44.78	40.50	37.29	34.14	31.78
135.0	71.44	61.65	55.46	50.23	44.66	41.46	37.74	34.88	32.29
180.0	66.26	57.88	52.48	47.76	42.98	39.77	37.01	33.86	31.95
225.0	83.53	73.13	63.84	56.53	51.19	46.18	42.13	38.98	36.17
270.0	95.06	80.44	70.54	62.61	54.62	49.39	44.89	40.16	37.01
315.0	91.80	76.44	67.44	60.08	53.55	47.98	43.88	39.83	36.51
360.0	95.40	79.14	69.58	62.16	54.84	50.01	45.84	41.51	38.53

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	35.78	33.13	30.66	28.58	26.66	24.98	23.29	21.60	20.25
45.0	31.67	29.76	27.17	25.43	24.02	21.94	20.48	19.13	17.72
90.0	29.36	27.23	25.48	23.68	21.99	20.53	19.13	17.55	16.43
135.0	29.98	27.79	26.10	24.36	22.61	21.21	19.69	18.28	17.16
180.0	29.64	27.34	25.88	24.08	22.16	20.87	19.58	17.89	16.82
225.0	33.13	30.99	29.03	26.72	24.98	23.51	21.99	20.19	18.84
270.0	34.31	31.56	29.19	27.39	25.43	23.85	22.16	20.59	19.18
315.0	33.98	31.50	29.48	27.39	25.59	24.08	22.56	20.87	19.58
360.0	35.78	33.13	30.66	28.58	26.66	24.98	23.29	21.60	20.25

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	18.84	17.44	16.31	15.24	13.89	12.94	12.15	11.31	10.58
45.0	16.48	15.36	14.23	13.33	12.38	11.42	10.80	10.18	9.56
90.0	15.30	14.18	13.11	12.26	11.31	10.58	10.01	9.45	9.00
135.0	15.98	14.68	13.73	12.83	11.93	11.14	10.58	9.96	9.45
180.0	15.75	14.51	13.44	12.54	11.64	10.91	10.29	9.73	9.28
225.0	17.61	16.37	15.13	14.01	13.11	12.04	11.25	10.58	10.01
270.0	17.72	16.43	15.30	14.23	12.94	12.09	11.25	10.58	9.90
315.0	18.28	16.76	15.64	14.57	13.56	12.54	11.70	10.97	10.41
360.0	18.84	17.44	16.31	15.24	13.89	12.94	12.15	11.31	10.58

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.01	9.51	9.11	8.78	8.44	8.16	7.88	7.59	7.37
45.0	9.23	8.83	8.44	8.21	7.99	7.71	7.48	7.31	7.09
90.0	8.61	8.27	8.04	7.76	7.54	7.31	7.14	6.92	6.81
135.0	9.06	8.66	8.38	8.10	7.76	7.59	7.31	7.14	6.92
180.0	8.89	8.49	8.21	7.99	7.71	7.48	7.31	7.03	6.86
225.0	9.51	9.06	8.72	8.38	8.04	7.82	7.59	7.31	7.09
270.0	9.39	8.94	8.55	8.21	7.99	7.71	7.43	7.20	7.03
315.0	9.79	9.34	8.94	8.61	8.21	7.99	7.71	7.43	7.20
360.0	10.01	9.51	9.11	8.78	8.44	8.16	7.88	7.59	7.37

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.26	7.03	6.86	6.69	6.53	6.36	6.24	6.13	5.96
45.0	6.86	6.69	6.53	6.36	6.24	6.08	5.96	5.79	5.68
90.0	6.64	6.47	6.36	6.19	6.08	5.96	5.96	8.38	12.04
135.0	6.69	6.53	6.36	6.19	6.02	5.85	5.74	5.63	5.46
180.0	6.69	6.53	6.41	6.24	6.08	5.96	5.79	5.63	5.46
225.0	6.92	6.69	6.53	6.36	6.19	6.08	5.96	5.85	5.68
270.0	6.86	6.69	6.53	6.41	6.30	6.19	6.08	6.02	5.96
315.0	7.03	6.75	6.58	6.41	6.19	6.02	5.91	5.74	5.63
360.0	7.26	7.03	6.86	6.69	6.53	6.36	6.24	6.13	5.96

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.79	5.68	5.51	5.40	5.23	5.06	4.95	4.78	4.67
45.0	5.51	5.40	5.18	5.06	4.95	4.78	4.67	4.56	4.39
90.0	16.65	21.04	24.75	27.84	30.77	30.38	27.39	23.63	19.97
135.0	5.29	5.18	5.01	4.89	4.73	4.61	4.44	4.33	4.22
180.0	5.34	5.18	5.06	4.95	4.78	4.67	4.56	4.44	4.28
225.0	5.51	5.40	5.23	5.12	4.95	4.84	4.73	4.56	4.44
270.0	6.86	9.28	14.23	18.84	22.50	26.78	30.04	30.83	27.79
315.0	5.51	5.29	5.18	5.06	4.95	4.84	4.73	4.56	4.44
360.0	5.79	5.68	5.51	5.40	5.23	5.06	4.95	4.78	4.67

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.56	4.39	4.28	4.16	4.05	3.88	3.71	3.54	3.38
45.0	4.22	4.11	3.94	3.83	3.66	3.54	3.32	3.21	3.09
90.0	16.88	11.19	6.13	4.16	3.88	3.60	3.32	3.15	3.09
135.0	4.05	3.94	3.77	3.66	3.54	3.38	3.21	3.09	3.04
180.0	4.22	4.11	3.94	3.83	3.66	3.54	3.32	3.26	3.21
225.0	4.33	4.16	4.05	3.88	3.77	3.60	3.43	3.26	3.15
270.0	23.91	20.36	16.43	11.36	5.23	4.11	3.77	3.43	3.26
315.0	4.33	4.16	4.05	3.94	3.77	3.66	3.49	3.32	3.21
360.0	4.56	4.39	4.28	4.16	4.05	3.88	3.71	3.54	3.38

Intensity data(cd)

C/γ(°)	90.0
0.0	3.26
45.0	3.09
90.0	3.09
135.0	3.04
180.0	3.21
225.0	3.09
270.0	3.09
315.0	3.09
360.0	3.26