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

Nata

LumCAT: LN01D05024DA-N
Luminaire: 97.70.273.00
Report No: 200805-B014 Voltage(V): 34.9200
Test No: 200805-C014 Current(A): 0.1500
LampCAT: LUMILEDS LUXEON CoB 1202s LES6 Power (W): 5.2380
Lamp flux(lm): 677.3 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): 615.71
Efficiency(%): 90.90%
Lumens(lm)/Power(W): 117.55
Central intensity(cd): 2861.860
Maximum intensity(cd): 2861.860
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.6
[C90/270]Total=24.6
Field angle(10%Imax): [C0/180]Total=41.6
[C90/270]Total=41.6
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
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(%): 90.90%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.548%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2861.859	0.000	0	.000%	.000%
1.0	2854.125	2.735	2.735	.404%	.444%
2.0	2826.773	8.154	10.889	1.204%	1.768%
3.0	2780.648	13.411	24.3	1.980%	3.947%
4.0	2721.305	18.417	42.717	2.719%	6.938%
5.0	2637.703	23.054	65.771	3.404%	10.682%
6.0	2534.344	27.180	92.951	4.013%	15.097%
7.0	2406.938	30.670	123.622	4.528%	20.078%
8.0	2257.383	33.382	157.003	4.928%	25.499%
9.0	2087.859	35.216	192.219	5.199%	31.219%
10.0	1899.492	36.084	228.303	5.327%	37.080%
11.0	1700.859	35.975	264.278	5.311%	42.922%
12.0	1499.625	34.986	299.264	5.165%	48.605%
13.0	1282.859	33.021	332.285	4.875%	53.968%
14.0	1115.712	30.701	362.987	4.533%	58.954%
15.0	961.334	28.515	391.501	4.210%	63.585%
16.0	803.060	25.853	417.355	3.817%	67.784%
17.0	657.204	22.740	440.095	3.357%	71.477%
18.0	535.823	19.670	459.765	2.904%	74.672%
19.0	436.331	16.914	476.679	2.497%	77.419%
20.0	338.864	14.188	490.867	2.095%	79.723%
21.0	273.452	11.758	502.625	1.736%	81.633%
22.0	227.630	10.069	512.694	1.487%	83.268%
23.0	166.556	8.271	520.965	1.221%	84.612%
24.0	133.650	6.564	527.529	.969%	85.678%
25.0	108.893	5.515	533.044	.814%	86.573%
26.0	91.392	4.728	537.771	.698%	87.341%
27.0	77.702	4.137	541.908	.611%	88.013%
28.0	67.676	3.681	545.589	.543%	88.611%
29.0	59.428	3.325	548.914	.491%	89.151%
30.0	53.269	3.043	551.957	.449%	89.645%
31.0	47.932	2.816	554.774	.416%	90.103%
32.0	43.411	2.617	557.39	.386%	90.528%
33.0	39.691	2.448	559.839	.361%	90.925%
34.0	36.563	2.308	562.146	.341%	91.300%
35.0	33.701	2.182	564.328	.322%	91.655%
36.0	31.254	2.068	566.397	.305%	91.990%
37.0	29.130	1.969	568.366	.291%	92.310%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	27.120	1.878	570.244	.277%	92.615%
39.0	25.144	1.784	572.027	.263%	92.905%
40.0	23.498	1.696	573.724	.250%	93.180%
41.0	21.966	1.619	575.343	.239%	93.443%
42.0	20.398	1.539	576.882	.227%	93.693%
43.0	18.970	1.458	578.34	.215%	93.930%
44.0	17.684	1.383	579.724	.204%	94.155%
45.0	16.404	1.310	581.034	.193%	94.368%
46.0	15.237	1.237	582.271	.183%	94.569%
47.0	14.154	1.169	583.44	.173%	94.758%
48.0	13.134	1.103	584.543	.163%	94.938%
49.0	12.199	1.040	585.584	.154%	95.107%
50.0	11.348	0.982	586.565	.145%	95.266%
51.0	10.610	0.929	587.494	.137%	95.417%
52.0	10.027	0.886	588.38	.131%	95.561%
53.0	9.464	0.848	589.228	.125%	95.698%
54.0	8.979	0.813	590.041	.120%	95.831%
55.0	8.620	0.786	590.826	.116%	95.958%
56.0	8.276	0.763	591.59	.113%	96.082%
57.0	7.966	0.743	592.332	.110%	96.203%
58.0	7.699	0.724	593.057	.107%	96.320%
59.0	7.467	0.709	593.766	.105%	96.436%
60.0	7.228	0.694	594.46	.103%	96.548%
61.0	7.017	0.680	595.14	.100%	96.659%
62.0	6.820	0.667	595.807	.098%	96.767%
63.0	6.638	0.655	596.461	.097%	96.873%
64.0	6.469	0.643	597.104	.095%	96.978%
65.0	6.307	0.632	597.737	.093%	97.080%
66.0	6.152	0.622	598.358	.092%	97.181%
67.0	6.012	0.612	598.97	.090%	97.281%
68.0	5.885	0.603	599.572	.089%	97.379%
69.0	5.752	0.594	600.166	.088%	97.475%
70.0	5.843	0.595	600.762	.088%	97.572%
71.0	6.574	0.642	601.403	.095%	97.676%
72.0	7.488	0.731	602.135	.108%	97.795%
73.0	8.346	0.828	602.963	.122%	97.929%
74.0	9.098	0.917	603.88	.135%	98.078%
75.0	10.069	1.013	604.892	.150%	98.243%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.666	1.101	605.993	.163%	98.421%
77.0	11.025	1.156	607.15	.171%	98.609%
78.0	10.737	1.165	608.315	.172%	98.798%
79.0	9.991	1.114	609.428	.164%	98.979%
80.0	9.204	1.035	610.463	.153%	99.147%
81.0	8.388	0.951	611.415	.140%	99.302%
82.0	7.221	0.846	612.261	.125%	99.439%
83.0	5.632	0.699	612.96	.103%	99.553%
84.0	4.163	0.534	613.493	.079%	99.640%
85.0	3.663	0.427	613.92	.063%	99.709%
86.0	3.516	0.392	614.313	.058%	99.773%
87.0	3.312	0.374	614.686	.055%	99.833%
88.0	3.150	0.354	615.04	.052%	99.891%
89.0	3.052	0.340	615.38	.050%	99.946%
90.0	3.009	0.332	615.713	.049%	100.000%

Zonal flux distribution table

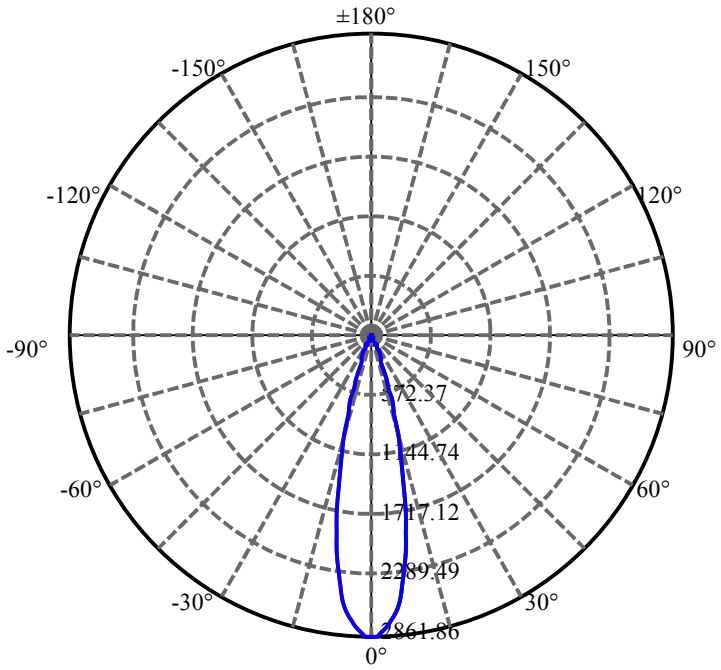
ZONAL LUMEN SUMMARY

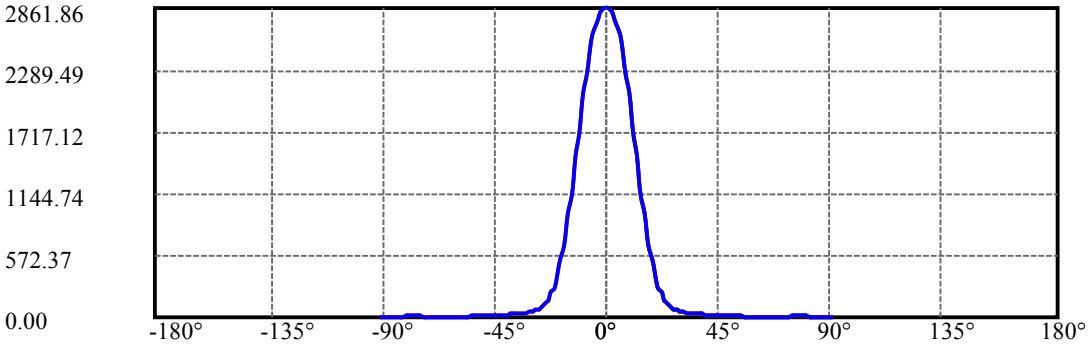
Zone	Lumens	%Lamp	%Fixt
0-30	551.96	81.49%	89.65%
0-40	573.72	84.70%	93.18%
0-60	594.46	87.77%	96.55%
0-90	615.38	90.86%	99.95%
0-120	615.38	90.86%	99.95%
0-180	615.71	90.90%	100.00%
60-90	21.61	3.19%	3.51%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-20.14	492.57	72.72%	80.00%

ZONAL LUMEN SUMMARY

0-10	228.30
10-20	262.56
20-30	61.09
30-40	21.77
40-50	12.84
50-60	7.89
60-70	6.30
70-80	9.70
80-90	4.92
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:20.8 Right:20.8
:C90/270Left:20.8 Right:20.8

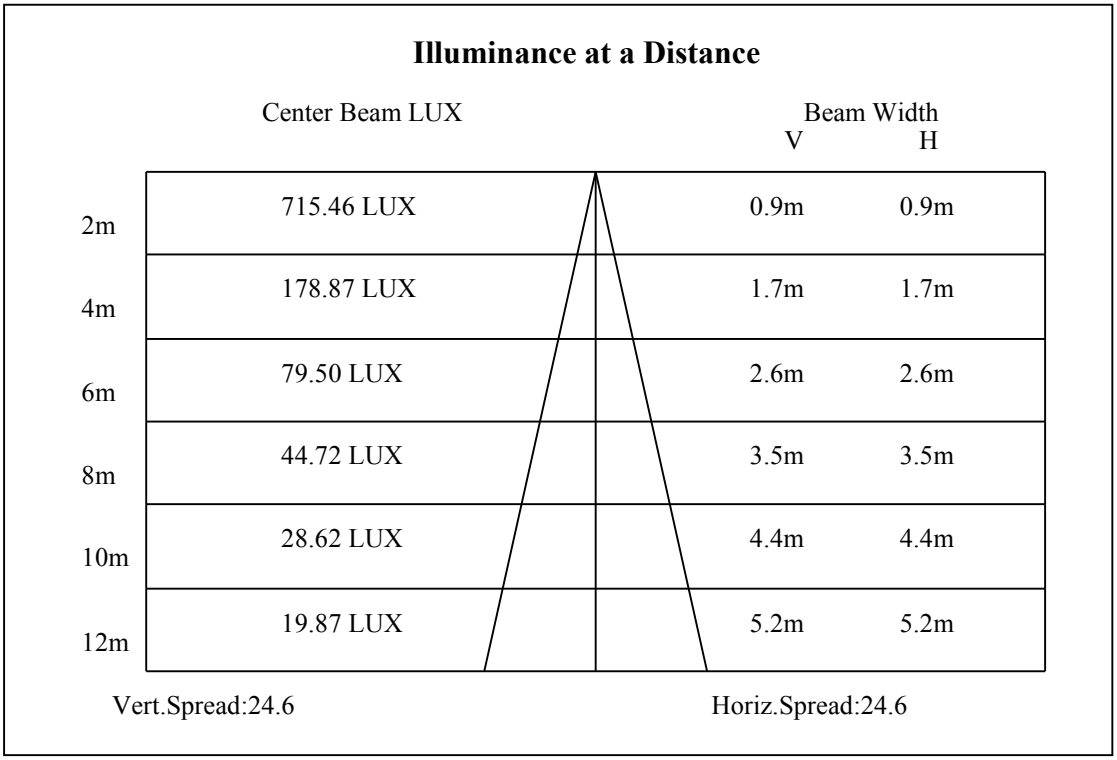
Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3
:C90/270Left:12.3 Right:12.3

Equipment: GMS1980
Temperature(°C): 25.0

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

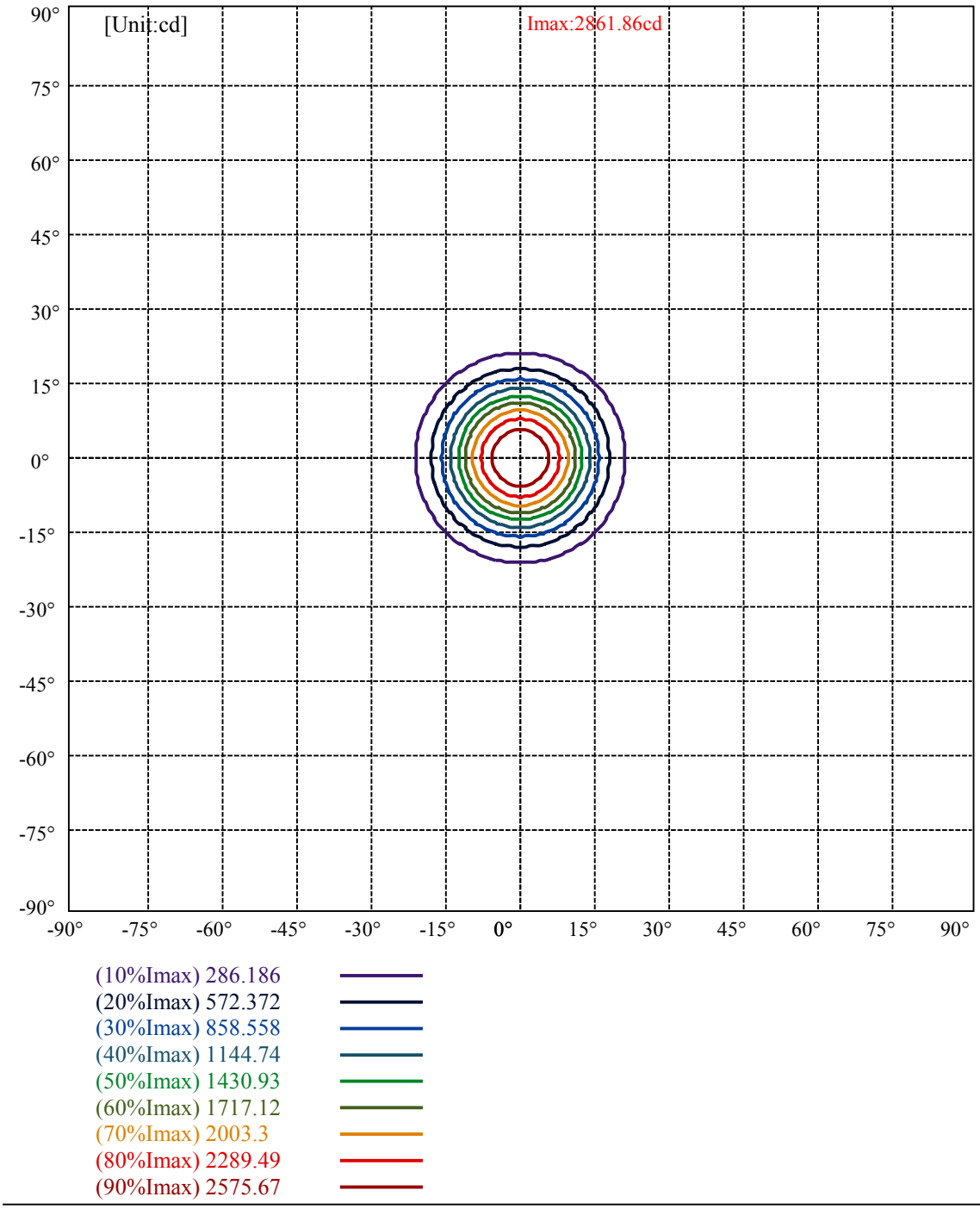
Operator: NT07
Distance(m): 7.50

Lux distance Curve



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

ISO-Intensity(V-H)

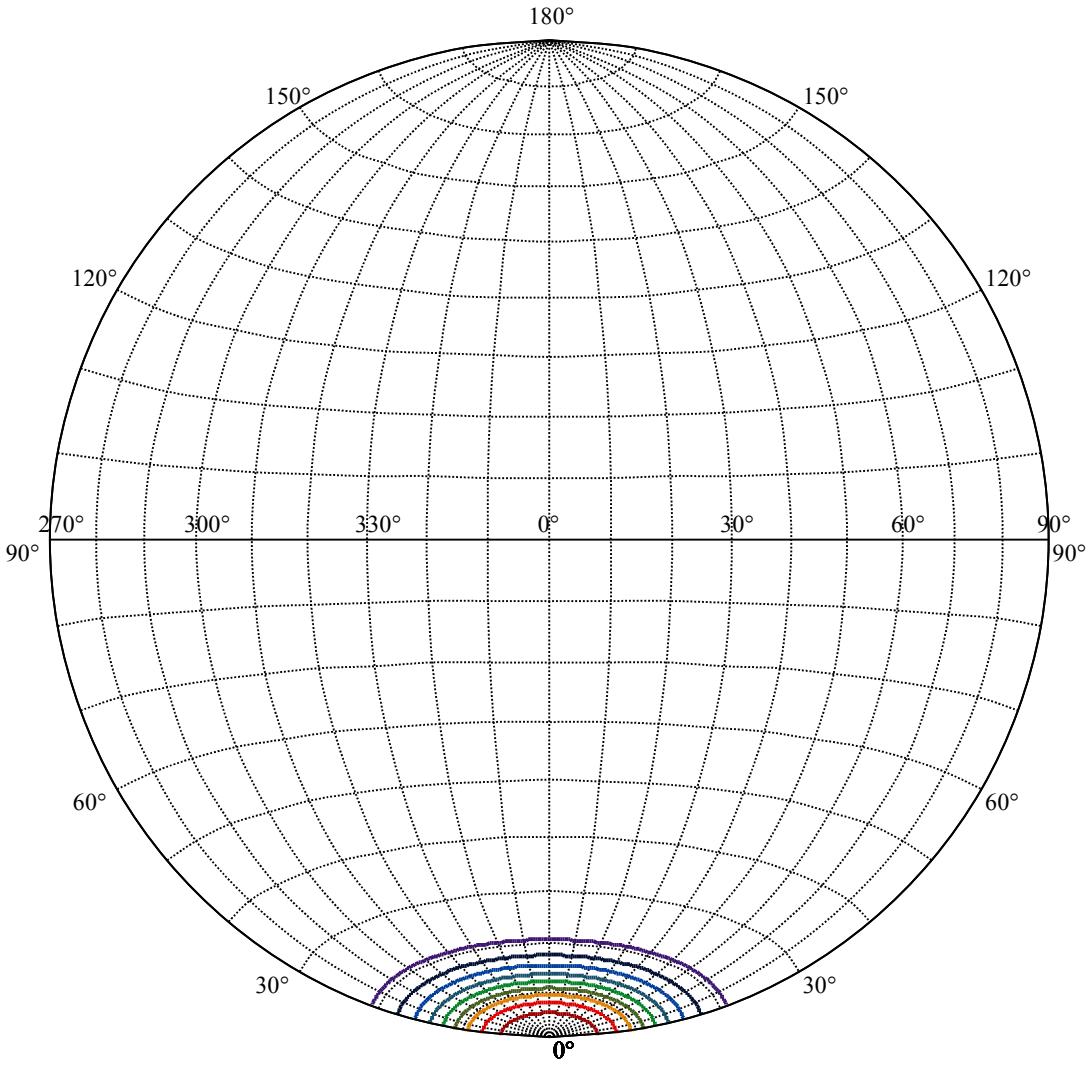


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2861.86

(10%Imax) 286.186
(20%Imax) 572.372
(30%Imax) 858.558
(40%Imax) 1144.74
(50%Imax) 1430.93
(60%Imax) 1717.12
(70%Imax) 2003.3
(80%Imax) 2289.49
(90%Imax) 2575.67

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.50

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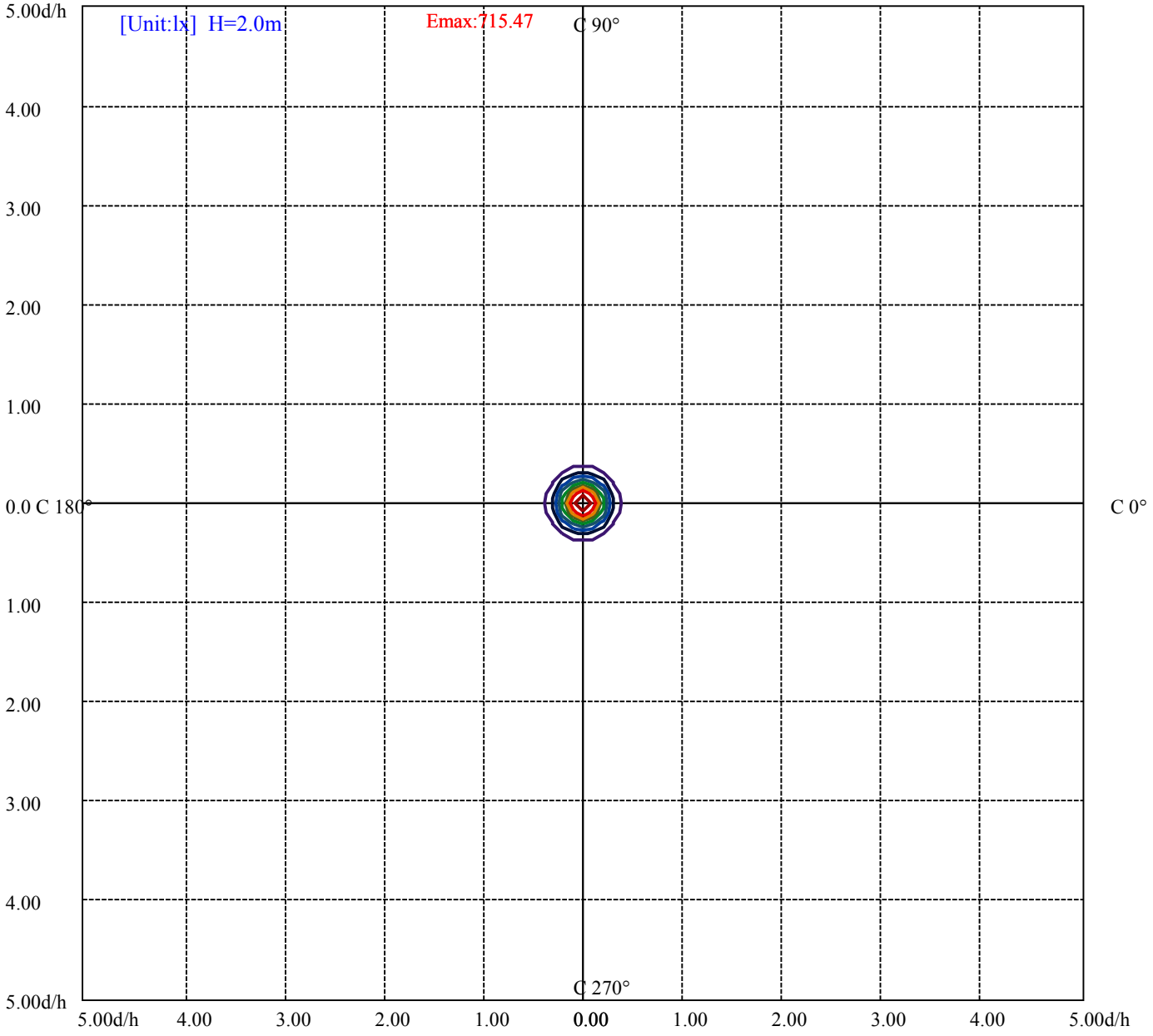
ISO illuminance diagram

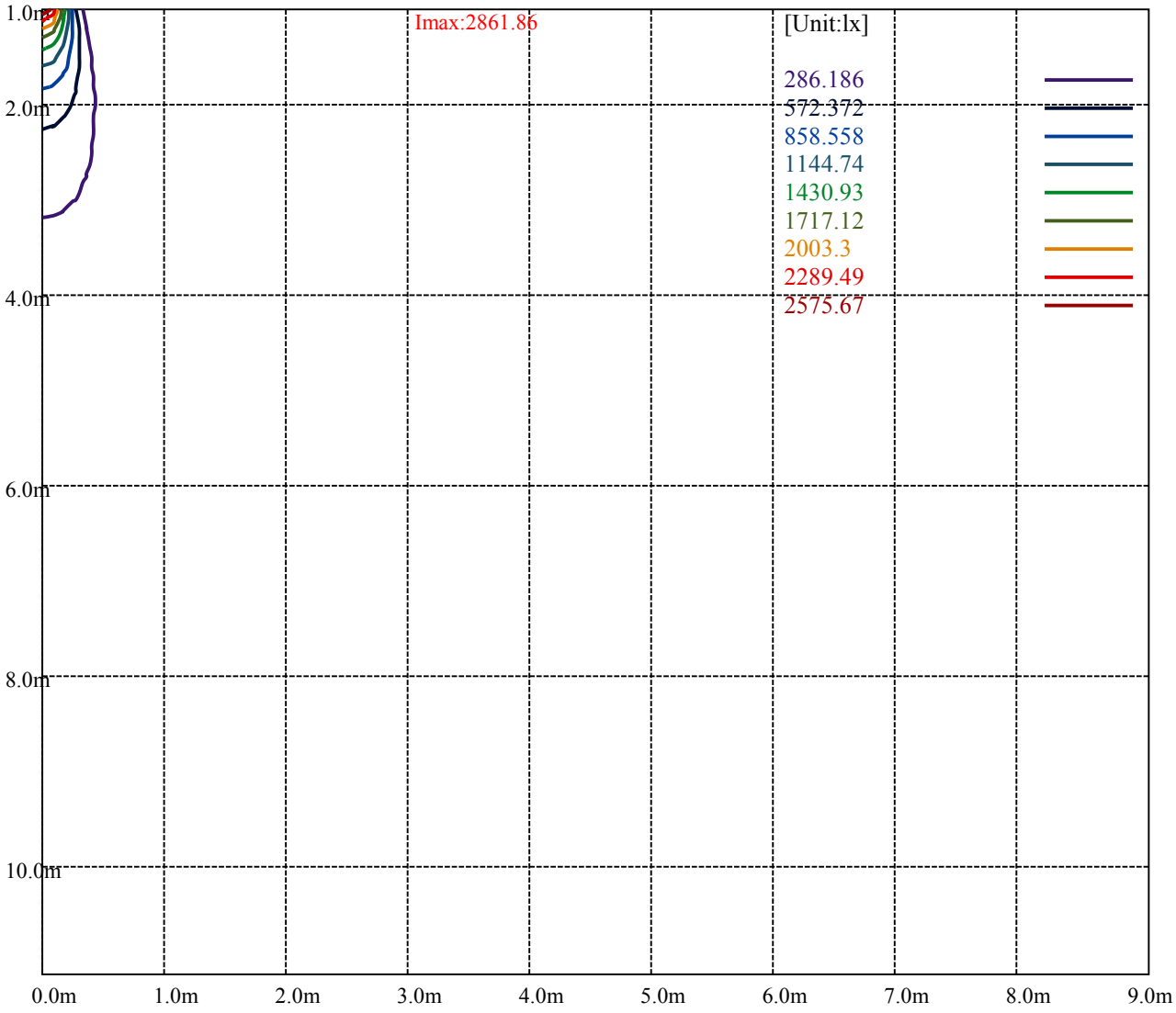


Equipment: GMS1980
Temperature(°C): 25.0

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

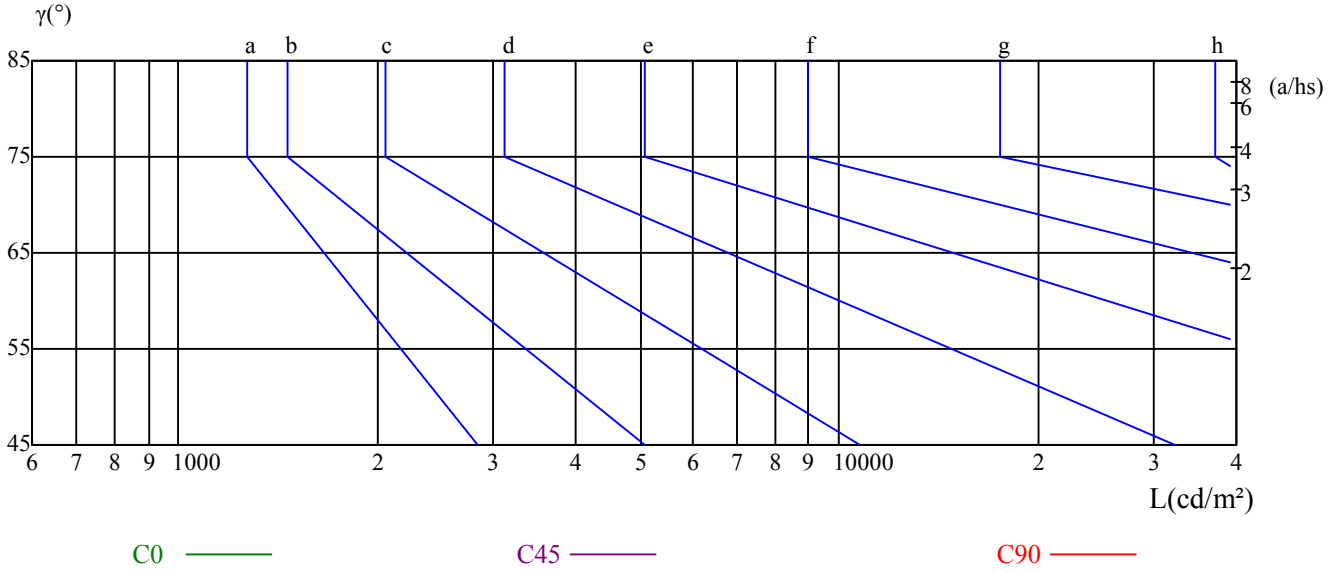
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

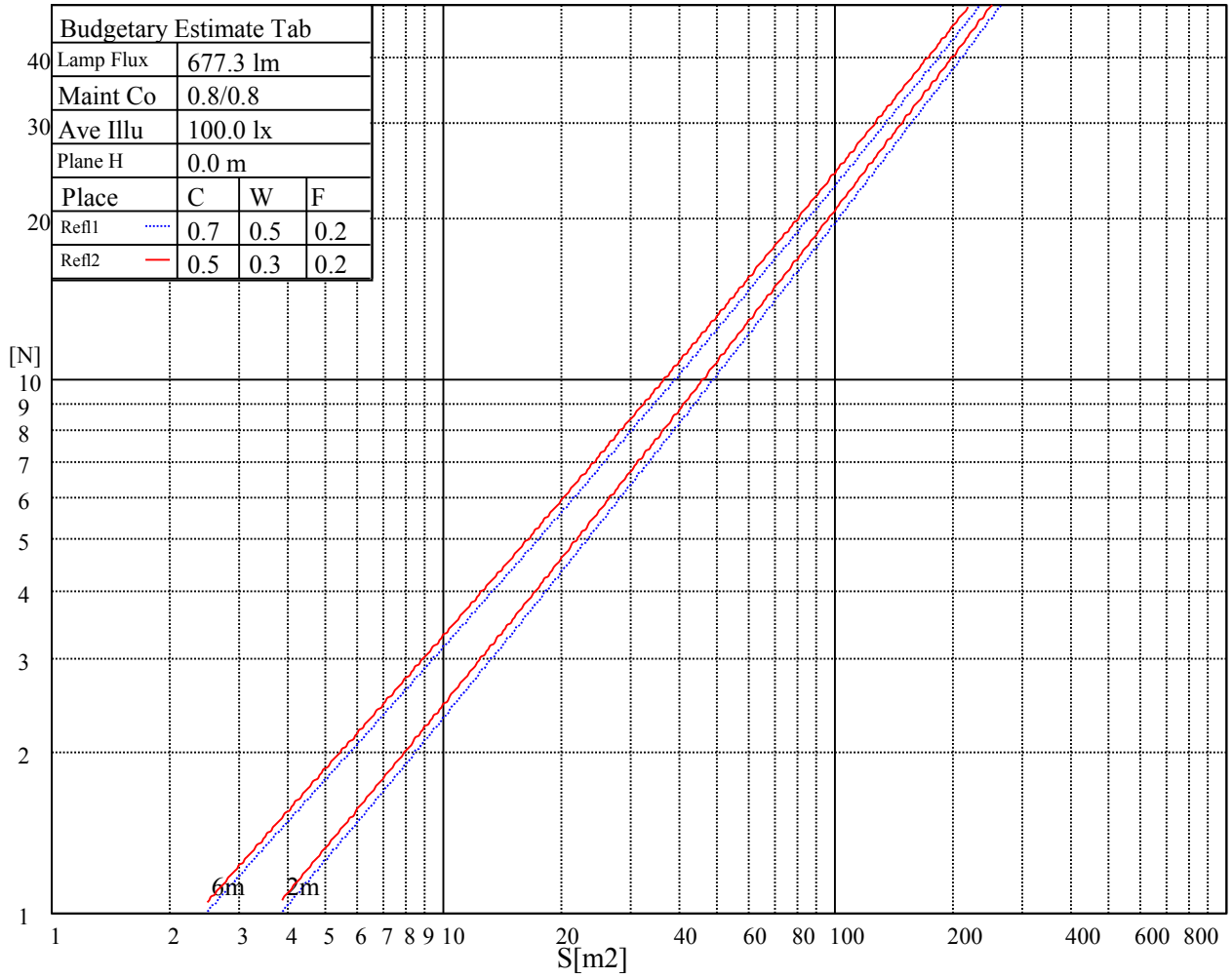
Luminance Limitting Curve



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

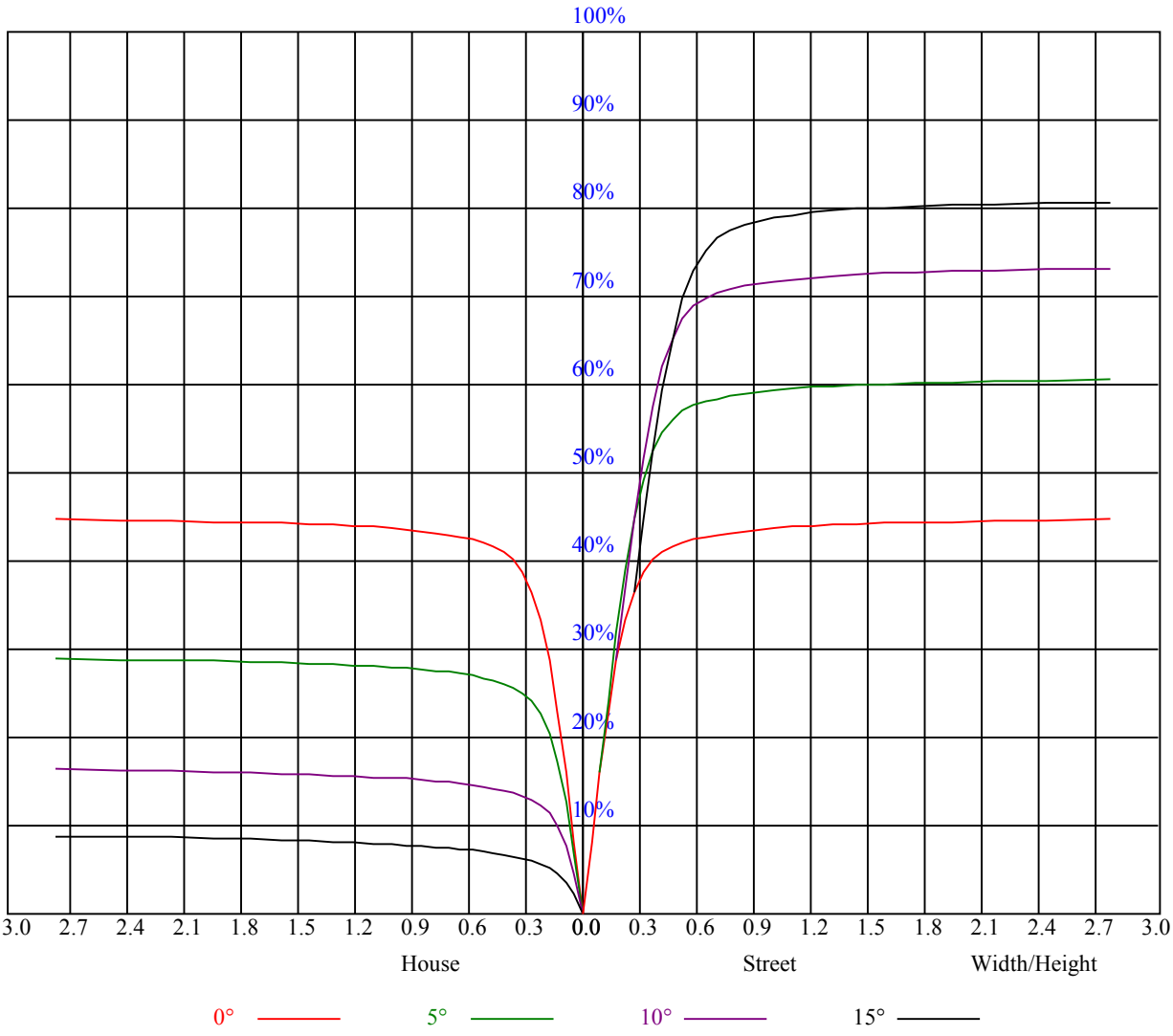


Equipment: GMS1980 Date: 2020/8/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

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	0.92	0.91	0.90	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	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.84	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	0.78	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.78	0.76	0.75
6	0.82	0.78	0.75	0.81	0.78	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	0.73	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	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.69
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	0.70	0.68	0.67
10	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	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	2859.75	2870.44	2863.13	2834.44	2795.63	2723.06	2641.50	2546.44	2414.25
45.0	2868.19	2859.19	2836.69	2806.31	2739.94	2661.19	2584.69	2450.25	2320.88
90.0	2856.94	2844.56	2808.00	2757.94	2694.94	2607.19	2489.06	2365.31	2203.88
135.0	2862.56	2851.31	2813.63	2764.69	2700.00	2599.31	2494.69	2369.81	2206.69
180.0	2859.75	2833.31	2789.44	2709.00	2625.75	2524.50	2380.50	2212.31	2039.06
225.0	2868.19	2856.94	2827.13	2764.69	2706.75	2622.38	2503.13	2358.56	2211.75
270.0	2856.94	2859.75	2839.50	2809.13	2757.94	2688.75	2594.81	2485.13	2341.69
315.0	2862.56	2857.50	2836.69	2799.00	2749.50	2675.25	2586.38	2467.69	2320.88
360.0	2859.75	2870.44	2863.13	2834.44	2795.63	2723.06	2641.50	2546.44	2414.25

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2262.38	2115.00	1922.63	1745.44	1534.50	1329.75	1156.50	972.56	804.38
45.0	2177.44	1973.25	1796.63	1612.69	1387.13	1214.44	1048.50	860.06	717.19
90.0	2040.75	1845.56	1642.50	1459.69	1107.34	1067.63	910.69	767.76	611.27
135.0	2027.81	1851.75	1643.06	1457.44	1257.19	1067.63	910.69	751.50	604.13
180.0	1834.88	1621.13	1436.06	1108.69	1066.89	891.23	732.54	608.18	497.03
225.0	2023.31	1816.31	1630.69	1422.00	1111.39	1048.61	895.56	738.17	610.93
270.0	2170.69	1999.13	1792.13	1609.88	1401.19	1195.31	1026.56	869.06	695.81
315.0	2165.63	1973.81	1743.19	1581.19	1397.25	1111.11	1009.63	857.19	716.91
360.0	2262.38	2115.00	1922.63	1745.44	1534.50	1329.75	1156.50	972.56	804.38

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	671.06	569.81	430.31	344.81	291.38	205.14	164.98	133.76	107.78
45.0	601.31	481.50	373.50	304.31	288.56	185.01	147.66	117.73	99.45
90.0	500.46	404.21	307.41	245.70	196.43	150.19	122.85	102.21	85.33
135.0	500.63	406.69	305.44	288.00	194.06	148.33	121.67	100.46	84.04
180.0	378.28	300.43	238.95	180.79	146.08	120.04	98.61	83.08	72.62
225.0	490.39	387.79	312.08	242.66	189.34	152.38	124.99	100.07	85.89
270.0	577.13	474.75	365.63	293.63	285.19	187.03	143.66	117.90	98.83
315.0	567.34	465.47	377.61	287.72	230.01	184.33	144.79	115.93	97.20
360.0	671.06	569.81	430.31	344.81	291.38	205.14	164.98	133.76	107.78

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	88.88	76.78	66.66	59.51	53.21	47.87	43.99	40.16	36.96
45.0	83.59	71.94	63.23	56.70	50.12	45.51	41.51	38.03	35.04
90.0	74.36	64.52	55.86	50.74	45.90	40.89	37.52	34.65	31.28
135.0	72.00	63.68	56.19	50.79	45.62	41.63	37.97	35.10	32.51
180.0	63.56	57.09	51.08	46.07	42.36	38.87	35.83	33.47	31.28
225.0	74.81	65.08	57.26	51.64	46.63	42.30	38.98	35.78	33.24
270.0	83.03	71.44	63.34	55.97	50.01	45.45	41.18	37.86	34.65
315.0	81.39	70.88	61.82	54.73	49.61	44.78	40.56	37.46	34.65
360.0	88.88	76.78	66.66	59.51	53.21	47.87	43.99	40.16	36.96

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	34.37	32.01	29.31	27.39	25.65	23.85	22.22	20.81	19.29
45.0	32.68	30.21	28.01	26.16	24.24	22.78	21.15	19.63	18.23
90.0	29.48	27.62	25.71	23.91	22.33	20.70	19.35	17.89	16.54
135.0	30.21	28.29	26.16	24.53	23.01	21.32	19.80	18.51	17.33
180.0	28.91	27.11	25.43	23.46	21.94	20.53	19.01	17.66	16.48
225.0	30.77	28.58	26.72	24.75	23.01	21.54	20.14	18.56	17.33
270.0	31.95	29.70	28.01	25.54	23.91	22.56	20.64	19.29	18.11
315.0	31.67	29.53	27.62	25.43	23.91	22.44	20.87	19.41	18.17
360.0	34.37	32.01	29.31	27.39	25.65	23.85	22.22	20.81	19.29

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	17.94	16.76	15.58	14.51	13.44	12.38	11.59	10.86	10.13
45.0	16.99	15.81	14.74	13.78	12.71	11.87	11.08	10.58	9.84
90.0	15.41	14.29	13.22	12.26	11.48	10.63	9.96	9.45	8.94
135.0	15.92	14.85	13.84	12.83	11.87	11.14	10.41	9.90	9.28
180.0	15.24	14.18	13.11	12.15	11.36	10.58	9.96	9.45	9.00
225.0	16.20	14.96	13.78	12.88	11.93	11.08	10.52	9.79	9.34
270.0	16.65	15.36	14.46	13.22	12.26	11.48	10.52	9.96	9.45
315.0	16.88	15.69	14.51	13.44	12.54	11.64	10.86	10.24	9.73
360.0	17.94	16.76	15.58	14.51	13.44	12.38	11.59	10.86	10.13

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.62	9.17	8.66	8.33	8.04	7.76	7.54	7.31	7.09
45.0	9.34	9.00	8.55	8.27	7.99	7.71	7.48	7.20	7.03
90.0	8.49	8.16	7.93	7.59	7.37	7.20	6.92	6.75	6.58
135.0	8.83	8.49	8.21	7.88	7.65	7.43	7.14	6.92	6.69
180.0	8.55	8.27	7.99	7.71	7.48	7.26	7.03	6.86	6.69
225.0	8.94	8.55	8.27	7.99	7.65	7.48	7.26	7.03	6.81
270.0	8.89	8.55	8.21	7.88	7.65	7.37	7.14	6.98	6.81
315.0	9.17	8.78	8.38	8.10	7.76	7.54	7.31	7.09	6.86
360.0	9.62	9.17	8.66	8.33	8.04	7.76	7.54	7.31	7.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.92	6.75	6.58	6.41	6.24	6.08	5.96	5.85	5.68
45.0	6.81	6.58	6.41	6.30	6.08	5.96	5.85	5.74	5.57
90.0	6.41	6.30	6.19	6.02	5.91	5.85	5.79	7.03	10.13
135.0	6.53	6.30	6.13	5.96	5.79	5.68	5.57	5.40	5.23
180.0	6.47	6.36	6.19	6.02	5.91	5.79	5.57	5.46	5.34
225.0	6.64	6.47	6.30	6.19	6.02	5.85	5.74	5.57	5.46
270.0	6.64	6.47	6.36	6.19	6.13	5.96	5.85	6.13	9.73
315.0	6.69	6.53	6.30	6.13	6.02	5.91	5.68	5.57	5.46
360.0	6.92	6.75	6.58	6.41	6.24	6.08	5.96	5.85	5.68

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.57	5.40	5.23	5.12	4.95	4.84	4.67	4.56	4.44
45.0	5.40	5.29	5.18	5.01	4.89	4.78	4.61	4.44	4.33
90.0	14.06	17.33	20.36	23.85	25.93	26.38	23.96	20.98	18.56
135.0	5.12	5.01	4.84	4.73	4.61	4.50	4.33	4.22	4.11
180.0	5.18	5.06	4.89	4.78	4.67	4.56	4.39	4.28	4.16
225.0	5.29	5.18	5.01	4.89	4.73	4.61	4.50	4.33	4.22
270.0	14.01	18.34	22.22	27.28	30.83	33.92	34.93	32.74	29.59
315.0	5.29	5.18	5.06	4.89	4.73	4.61	4.50	4.39	4.22
360.0	5.57	5.40	5.23	5.12	4.95	4.84	4.67	4.56	4.44

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.33	4.22	4.11	3.99	3.83	3.71	3.60	3.43	3.21
45.0	4.22	4.05	3.94	3.83	3.66	3.54	3.32	3.15	3.09
90.0	16.09	11.81	6.58	4.05	3.71	3.60	3.21	3.09	2.98
135.0	3.99	3.83	3.71	3.60	3.43	3.32	3.15	3.04	2.93
180.0	4.05	3.94	3.77	3.66	3.54	3.38	3.15	3.09	3.09
225.0	4.11	3.94	3.77	3.71	3.54	3.43	3.21	3.09	3.04
270.0	26.21	21.99	15.36	6.75	4.05	3.71	3.60	3.21	3.09
315.0	4.11	3.99	3.83	3.71	3.54	3.43	3.26	3.09	2.98
360.0	4.33	4.22	4.11	3.99	3.83	3.71	3.60	3.43	3.21

Intensity data(cd)

C/γ(°)	90.0
0.0	3.15
45.0	2.98
90.0	2.93
135.0	2.93
180.0	3.09
225.0	3.04
270.0	3.04
315.0	2.93
360.0	3.15