NATA LIGHTING CO.,LTD.
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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:
LumCAT: 1-1061-N
Luminaire: 92.70.246.00
Report No: 200922-B027
Test No: 200922-C027
LampCAT: CITIZEN CLU028
Lamp flux(lm): 1158.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 230.9000
Current(A): 0.0930
Power (W): 11.6300
PF: 0.5410
Ballast type: AC
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 948.42, Efficiency(%): 81.90% , Luminous Efficacy(lm/W): 81.55
Central intensity(cd): 3734.425, Maximum intensity(cd): 3734.425
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=52.8
[C90/270]Total=52.8
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 81.90%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.273%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3734.425	0.000	0	.000%	.000%
1.0	3723.230	3.568	3.568	.308%	.376%
2.0	3665.864	10.606	14.174	.916%	1.494%
3.0	3590.227	17.354	31.528	1.499%	3.324%
4.0	3475.784	23.652	55.18	2.043%	5.818%
5.0	3319.753	29.234	84.414	2.525%	8.900%
6.0	3160.764	34.057	118.471	2.941%	12.491%
7.0	2970.394	38.056	156.527	3.286%	16.504%
8.0	2793.481	41.251	197.778	3.562%	20.853%
9.0	2571.093	43.477	241.255	3.754%	25.437%
10.0	2344.007	44.480	285.735	3.841%	30.127%
11.0	2142.094	44.825	330.56	3.871%	34.854%
12.0	1937.514	44.596	375.156	3.851%	39.556%
13.0	1736.355	43.600	418.756	3.765%	44.153%
14.0	1562.865	42.230	460.985	3.647%	48.605%
15.0	1391.636	40.561	501.546	3.503%	52.882%
16.0	1230.506	38.422	539.968	3.318%	56.933%
17.0	1060.409	35.676	575.644	3.081%	60.695%
18.0	980.021	33.642	609.286	2.905%	64.242%
19.0	889.628	32.528	641.814	2.809%	67.672%
20.0	796.484	30.861	672.674	2.665%	70.925%
21.0	716.792	29.058	701.732	2.509%	73.989%
22.0	639.386	27.253	728.985	2.353%	76.863%
23.0	568.273	25.340	754.325	2.188%	79.535%
24.0	506.353	23.495	777.821	2.029%	82.012%
25.0	455.066	21.861	799.681	1.888%	84.317%
26.0	393.918	20.040	819.721	1.731%	86.430%
27.0	344.034	18.054	837.776	1.559%	88.333%
28.0	291.430	16.089	853.864	1.389%	90.030%
29.0	247.910	14.111	867.975	1.219%	91.518%
30.0	199.911	12.091	880.066	1.044%	92.792%
31.0	157.006	9.932	889.998	.858%	93.840%
32.0	121.635	7.983	897.981	.689%	94.681%
33.0	84.878	6.084	904.065	.525%	95.323%
34.0	64.460	4.519	908.585	.390%	95.799%
35.0	51.241	3.593	912.178	.310%	96.178%
36.0	43.950	3.031	915.209	.262%	96.498%
37.0	37.917	2.670	917.879	.231%	96.779%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	32.888	2.363	920.242	.204%	97.028%
39.0	28.671	2.101	922.343	.181%	97.250%
40.0	25.272	1.881	924.225	.162%	97.448%
41.0	22.175	1.690	925.914	.146%	97.627%
42.0	19.808	1.525	927.44	.132%	97.787%
43.0	17.639	1.387	928.827	.120%	97.934%
44.0	15.800	1.262	930.089	.109%	98.067%
45.0	14.217	1.154	931.242	.100%	98.188%
46.0	12.912	1.061	932.303	.092%	98.300%
47.0	11.676	0.978	933.281	.084%	98.403%
48.0	10.609	0.901	934.182	.078%	98.498%
49.0	9.733	0.835	935.018	.072%	98.586%
50.0	8.933	0.778	935.796	.067%	98.668%
51.0	8.266	0.728	936.523	.063%	98.745%
52.0	7.599	0.681	937.204	.059%	98.817%
53.0	7.094	0.639	937.843	.055%	98.884%
54.0	6.630	0.605	938.448	.052%	98.948%
55.0	6.201	0.573	939.021	.049%	99.008%
56.0	5.812	0.543	939.564	.047%	99.066%
57.0	5.539	0.519	940.083	.045%	99.120%
58.0	5.273	0.500	940.583	.043%	99.173%
59.0	5.035	0.482	941.065	.042%	99.224%
60.0	4.832	0.466	941.531	.040%	99.273%
61.0	4.640	0.452	941.983	.039%	99.321%
62.0	4.437	0.437	942.42	.038%	99.367%
63.0	4.240	0.422	942.842	.036%	99.411%
64.0	4.037	0.406	943.248	.035%	99.454%
65.0	3.828	0.389	943.638	.034%	99.495%
66.0	3.631	0.372	944.01	.032%	99.535%
67.0	3.440	0.356	944.365	.031%	99.572%
68.0	3.242	0.338	944.704	.029%	99.608%
69.0	3.034	0.320	945.024	.028%	99.641%
70.0	2.860	0.303	945.327	.026%	99.673%
71.0	2.709	0.288	945.614	.025%	99.704%
72.0	2.506	0.271	945.886	.023%	99.732%
73.0	2.384	0.256	946.141	.022%	99.759%
74.0	2.239	0.243	946.384	.021%	99.785%
75.0	2.082	0.228	946.613	.020%	99.809%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.920	0.212	946.825	.018%	99.831%
77.0	1.787	0.198	947.023	.017%	99.852%
78.0	1.642	0.184	947.206	.016%	99.872%
79.0	1.502	0.169	947.375	.015%	99.889%
80.0	1.363	0.154	947.53	.013%	99.906%
81.0	1.241	0.141	947.67	.012%	99.920%
82.0	1.148	0.130	947.8	.011%	99.934%
83.0	1.050	0.120	947.92	.010%	99.947%
84.0	0.969	0.110	948.03	.009%	99.958%
85.0	0.858	0.100	948.129	.009%	99.969%
86.0	0.742	0.088	948.217	.008%	99.978%
87.0	0.597	0.073	948.29	.006%	99.986%
88.0	0.441	0.057	948.347	.005%	99.992%
89.0	0.354	0.044	948.391	.004%	99.996%
90.0	0.267	0.034	948.425	.003%	100.000%

Zonal flux distribution table

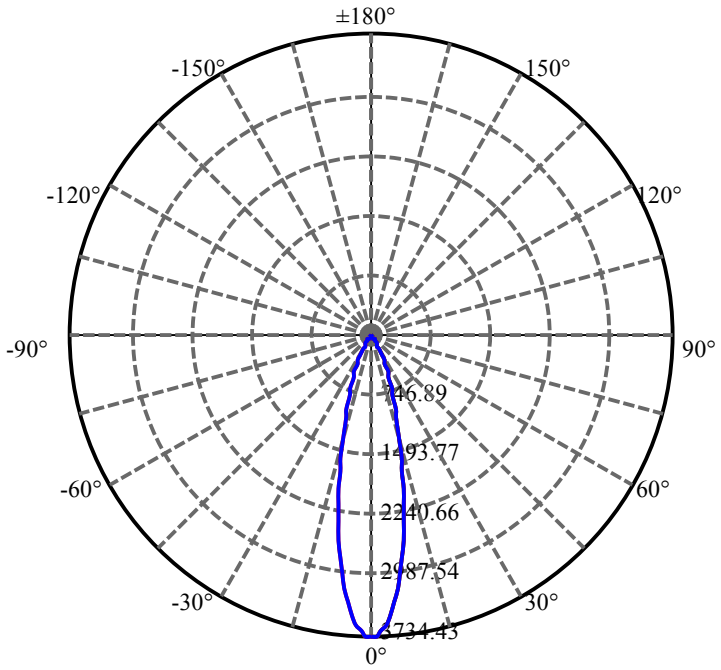
ZONAL LUMEN SUMMARY

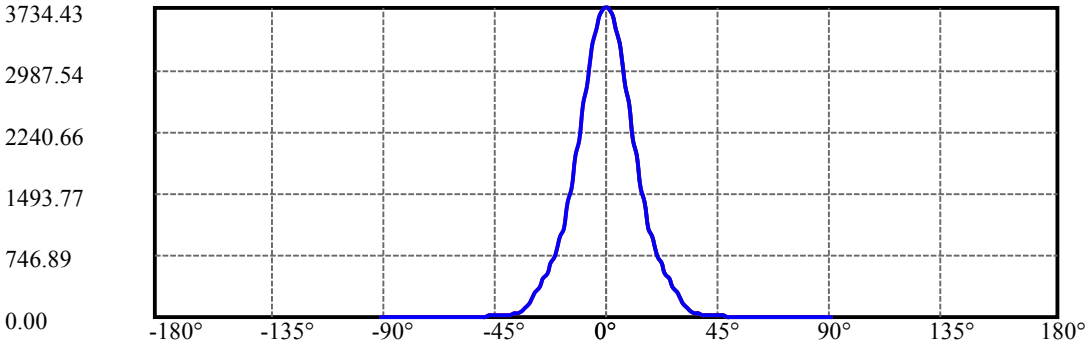
Zone	Lumens	%Lamp	%Fixt
0-30	880.07	76.00%	92.79%
0-40	924.22	79.81%	97.45%
0-60	941.53	81.31%	99.27%
0-90	948.39	81.90%	100.00%
0-120	948.39	81.90%	100.00%
0-180	948.42	81.90%	100.00%
60-90	7.33	0.63%	0.77%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-23.19	758.74	65.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	285.73
10-20	386.94
20-30	207.39
30-40	44.16
40-50	11.57
50-60	5.73
60-70	3.80
70-80	2.20
80-90	0.86
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):

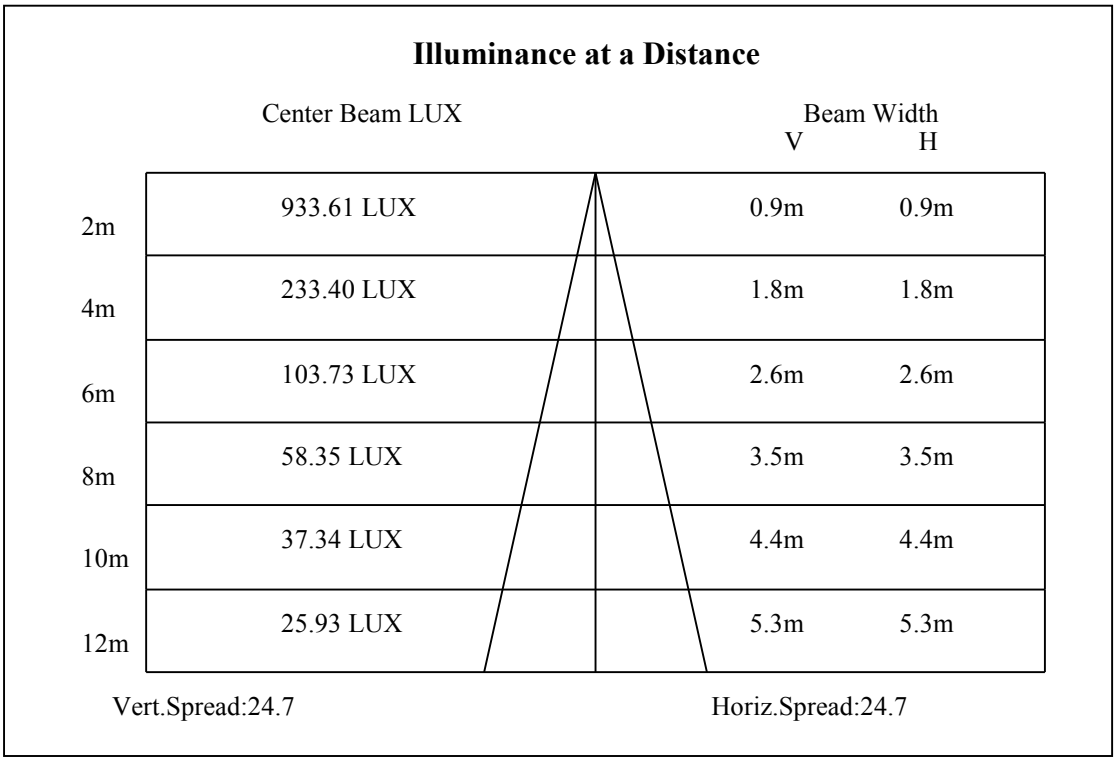
C0/C180:

C90/C270:

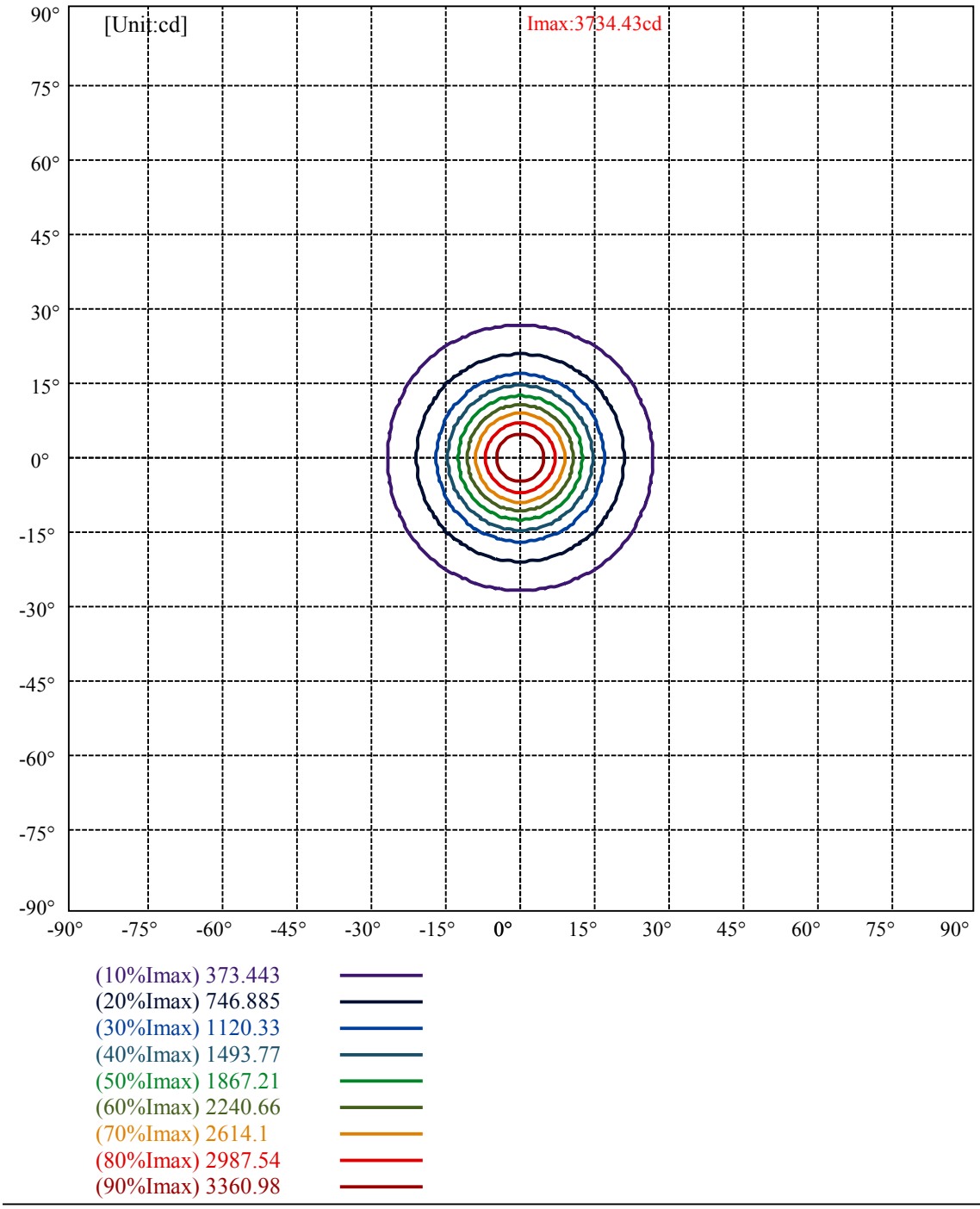
Field angle(10%Imax):C0/180Left:26.4 Right:26.4
:C90/270Left:26.4 Right:26.4

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

Lux distance Curve



ISO-Intensity(V-H)



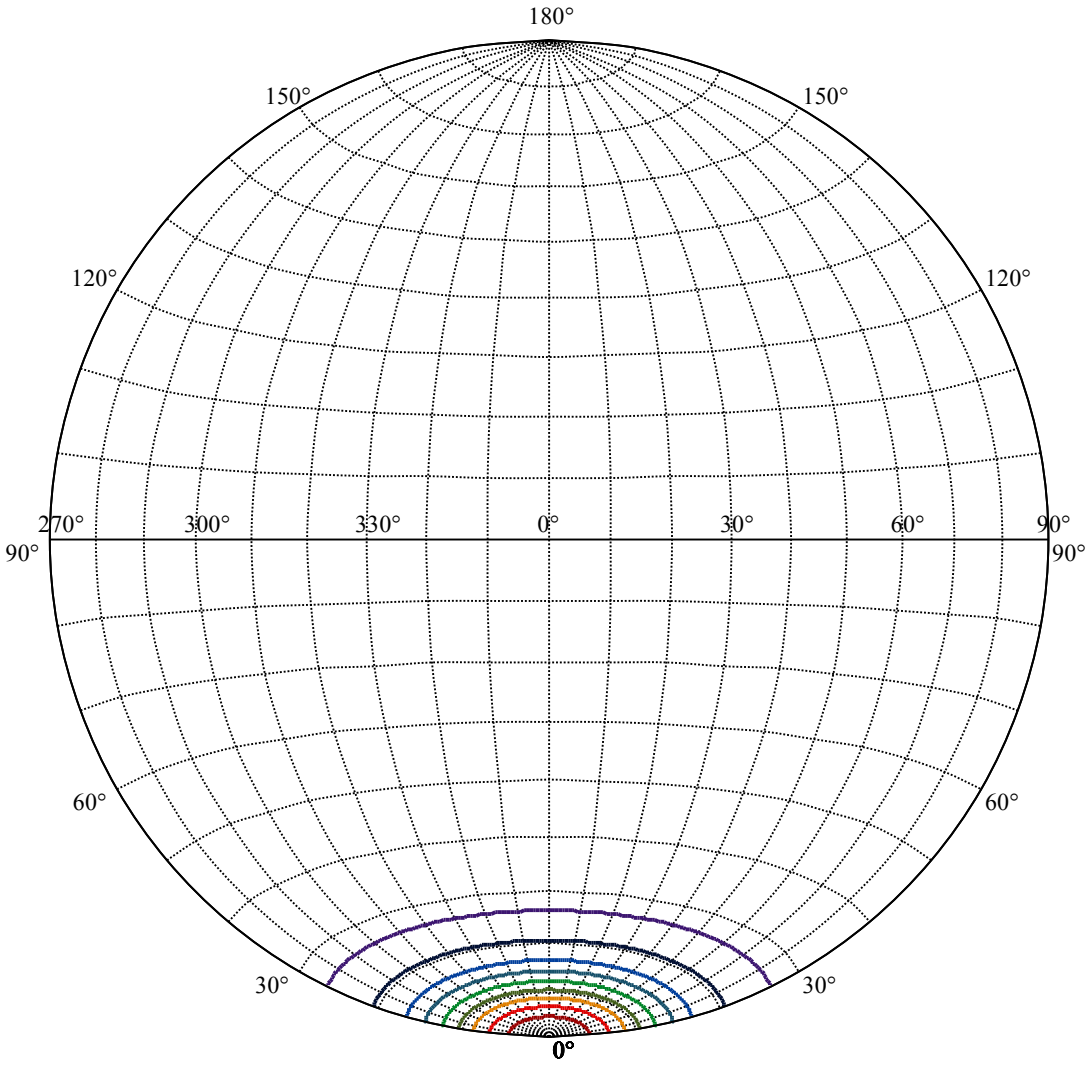
(10%Imax) 373.443
(20%Imax) 746.885
(30%Imax) 1120.33
(40%Imax) 1493.77
(50%Imax) 1867.21
(60%Imax) 2240.66
(70%Imax) 2614.1
(80%Imax) 2987.54
(90%Imax) 3360.98

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3734.43

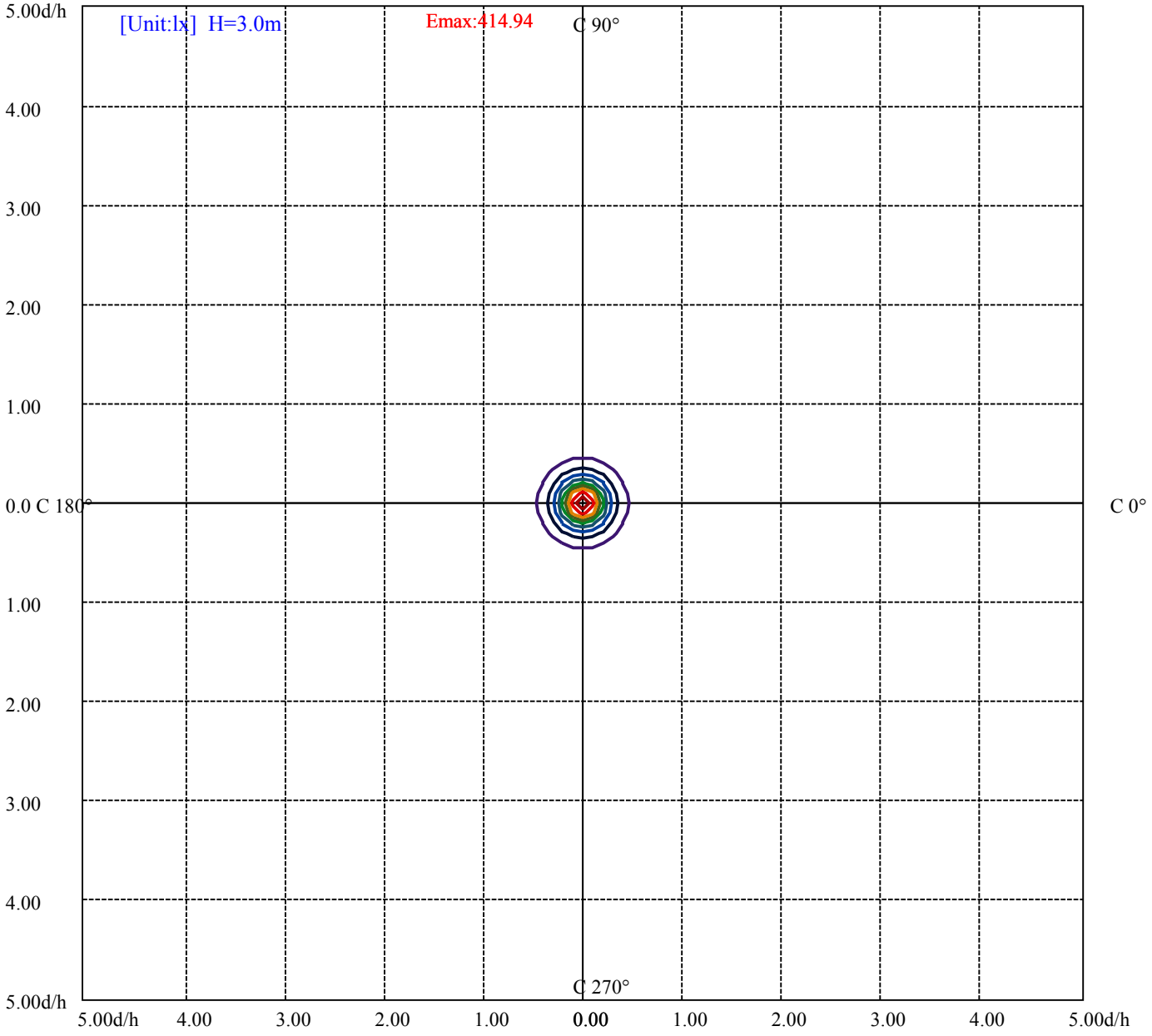
(10%Imax) 373.443
(20%Imax) 746.885
(30%Imax) 1120.33
(40%Imax) 1493.77
(50%Imax) 1867.21
(60%Imax) 2240.66
(70%Imax) 2614.1
(80%Imax) 2987.54
(90%Imax) 3360.98

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

ISO illuminance diagram

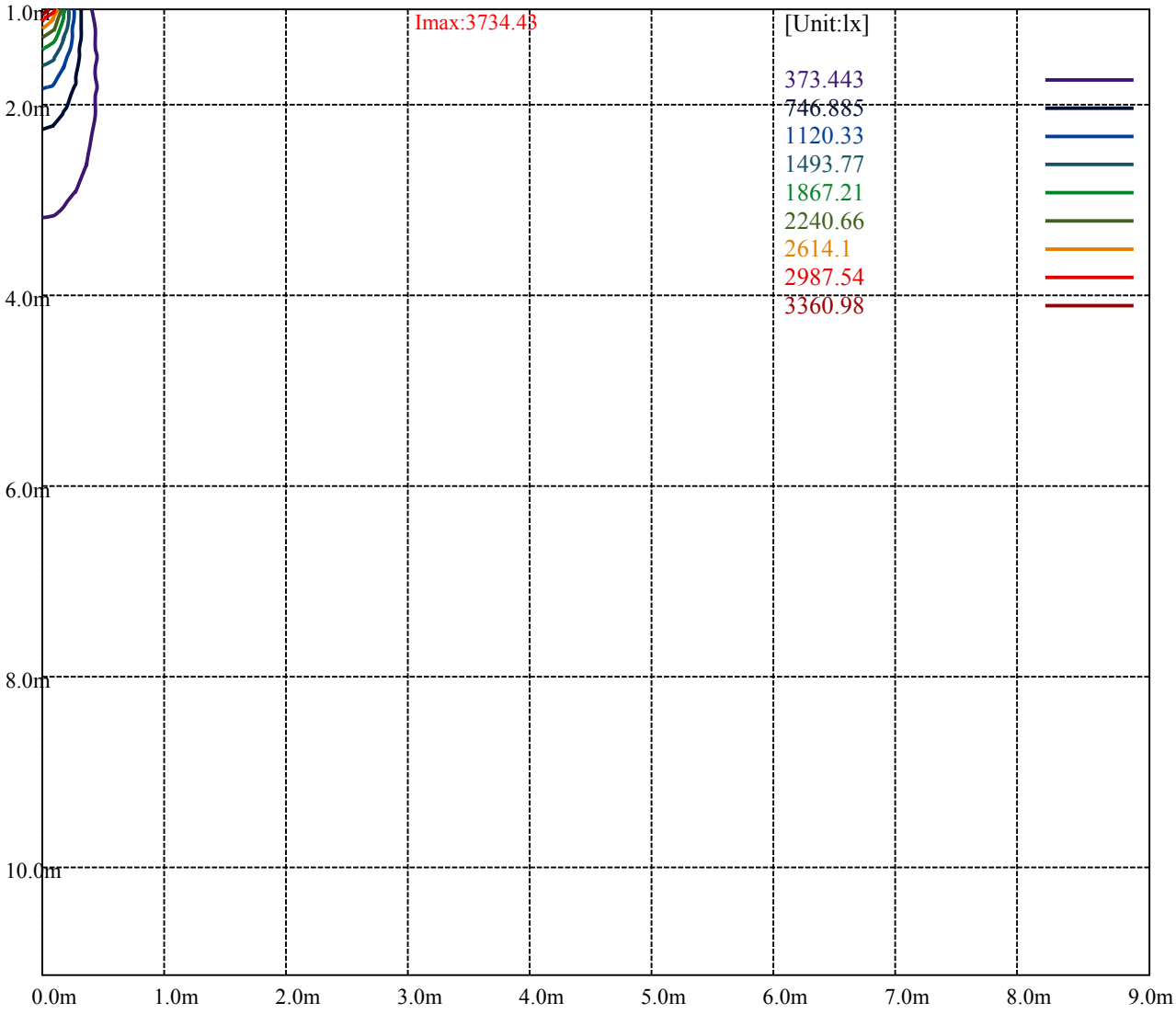


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

Luminance Limitting Curve(no luminous side)

Luminance Table

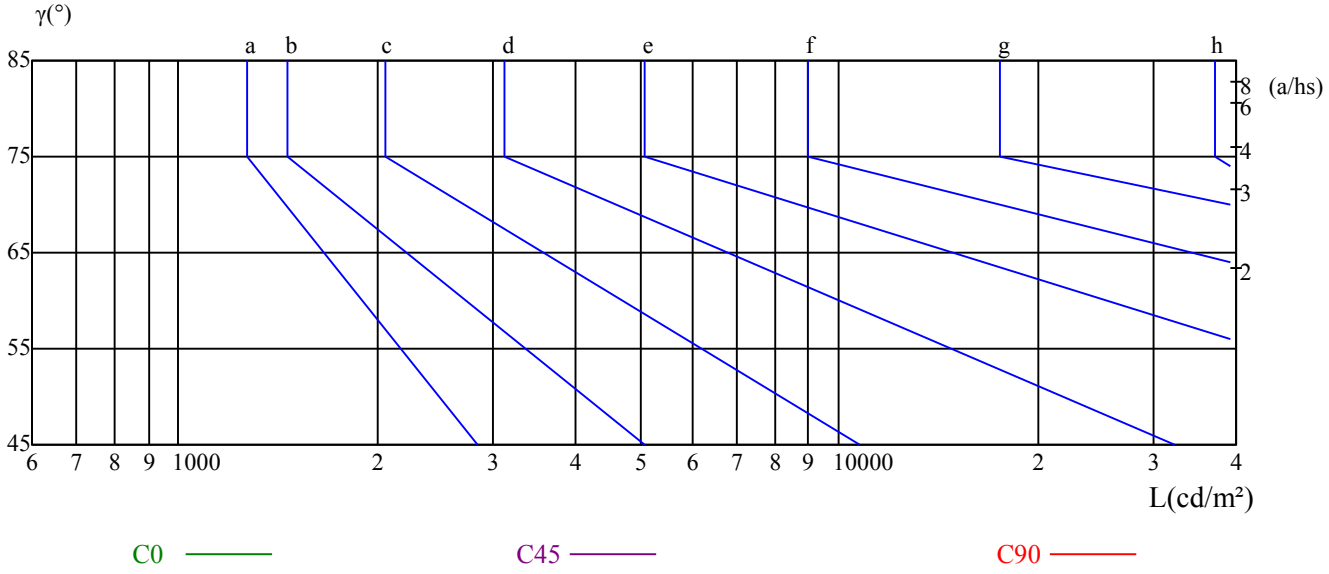
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

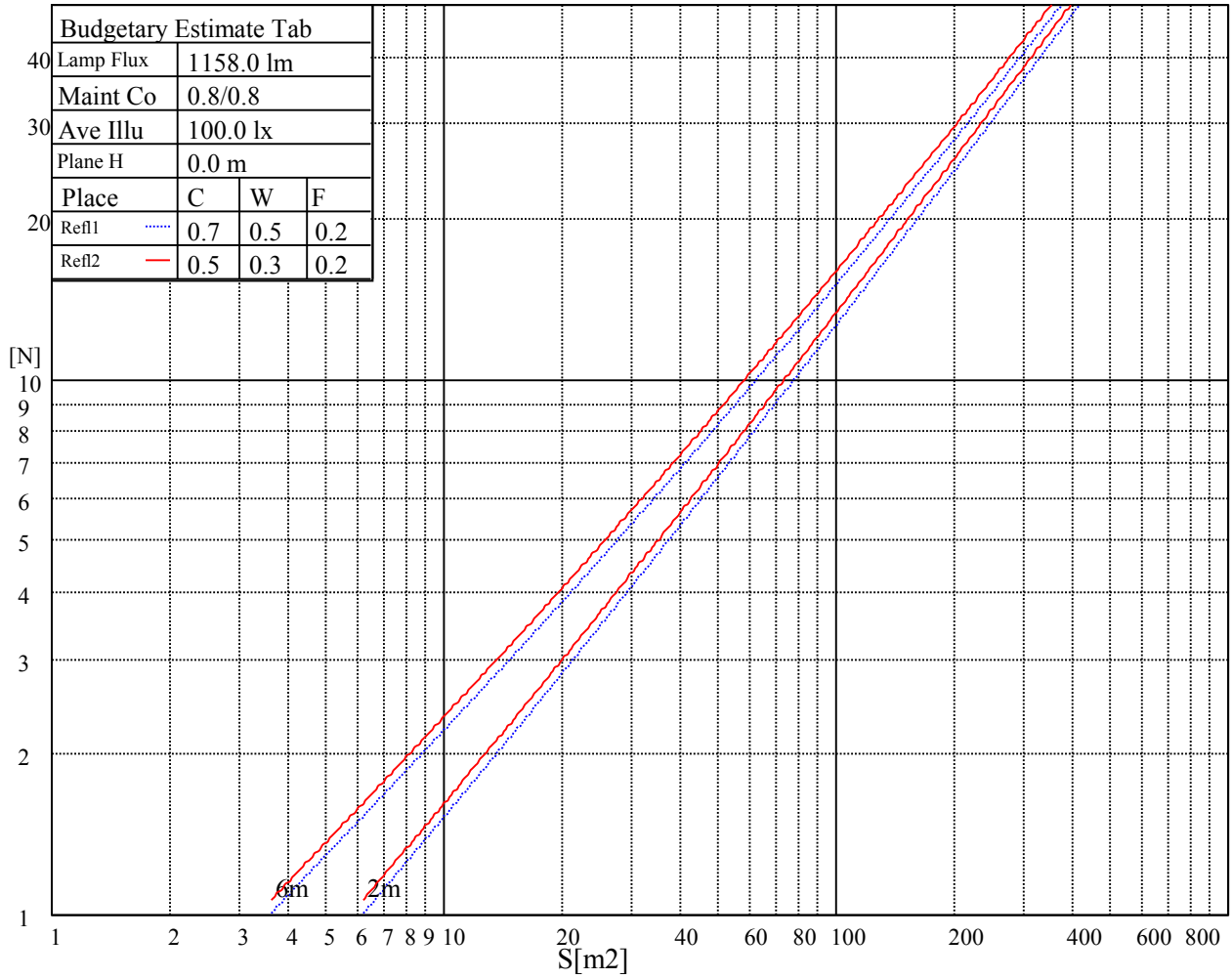
Luminance Limitting Curve



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	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

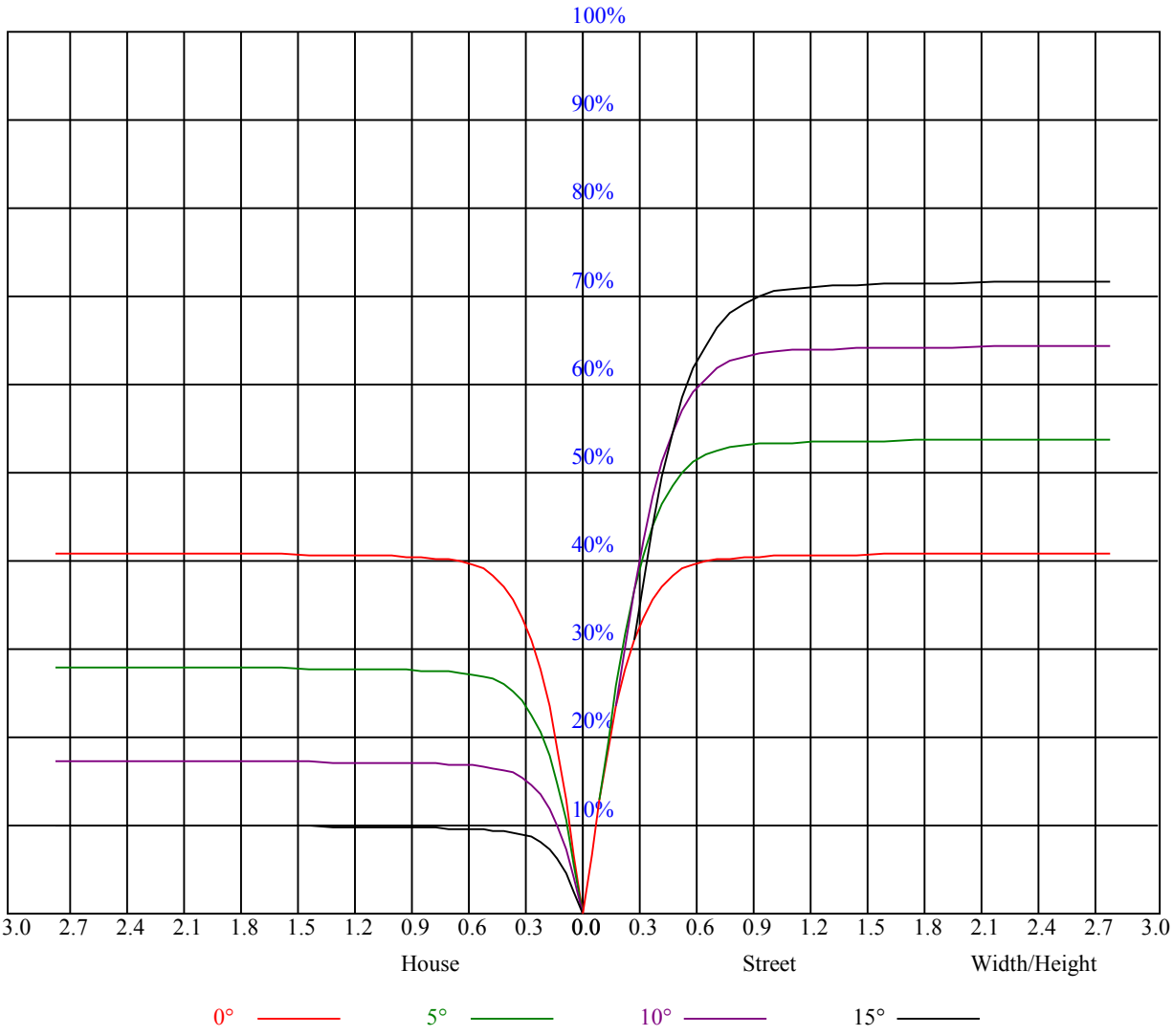


Equipment: GMS 1800 Date: 2020/9/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 6.81

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	0.98	0.98	0.98	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.92	0.90	0.89	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79
2	0.87	0.85	0.82	0.86	0.84	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.79	0.78	0.77	0.75
3	0.83	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.76	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.71	0.70
5	0.76	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.69	0.72	0.70	0.68	0.67
6	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.66	0.65
7	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.68	0.65	0.63	0.62
8	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.58	0.62	0.59	0.57	0.57

Coefficient Utilization Curve

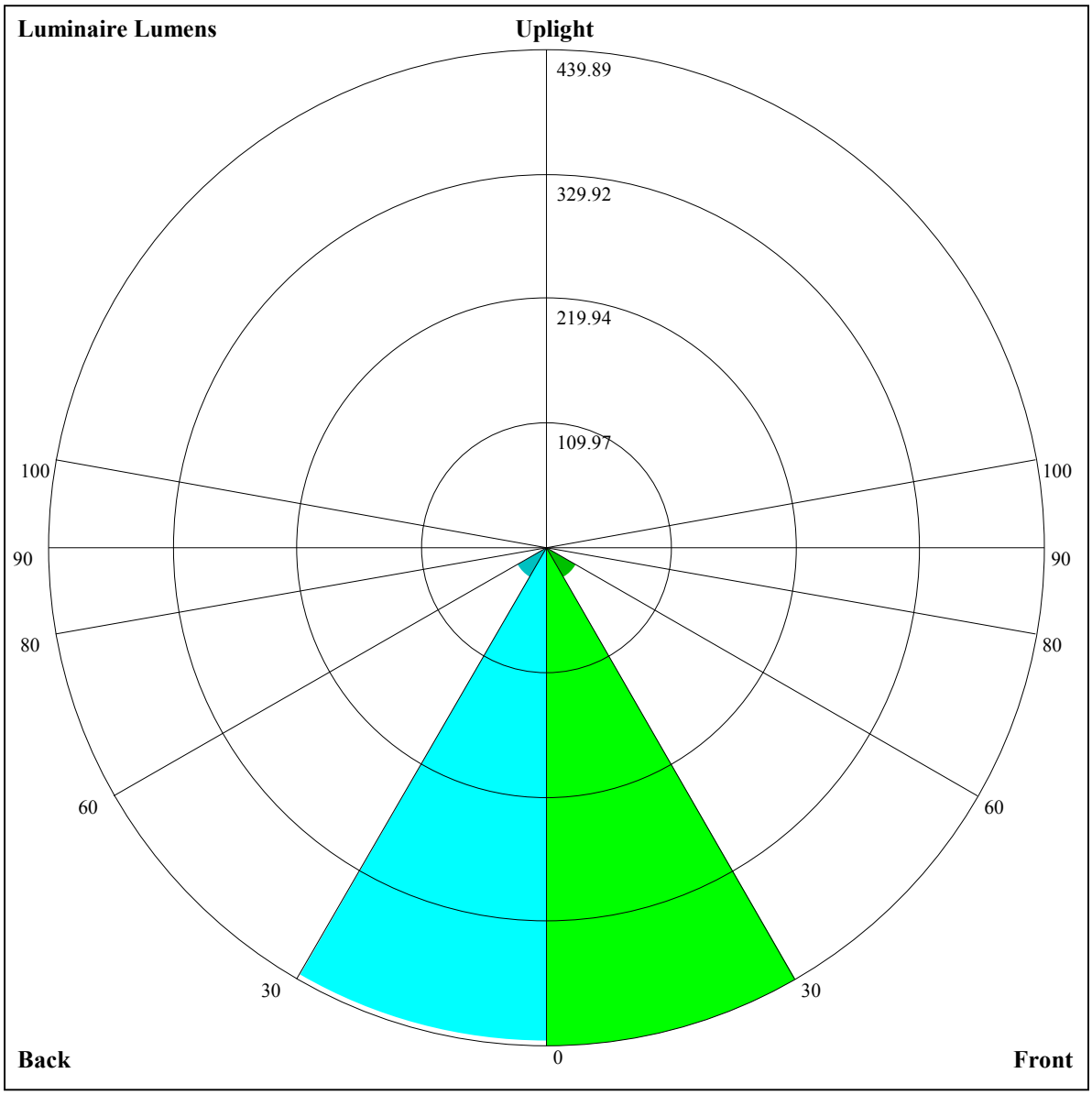


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2020/9/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 6.81

LCS Graph



Luminaire Lumens:
FL=439.89,FM=31.04,FH=2.97,FVH=0.46
BL=436.51,BM=30.57,BH=3.02,BVH=0.45
UL=0.29,UH=1.39

BUG Rating:B1-U1-G0

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	3751.94	3747.77	3708.32	3633.15	3527.81	3371.90	3195.10	2987.22	2854.97
45.0	3666.56	3786.28	3866.09	3900.43	3884.19	3808.55	3671.20	3492.55	3286.52
90.0	3828.97	3905.54	3915.75	3881.87	3795.56	3643.36	3457.75	3239.65	3088.84
135.0	3690.23	3753.33	3781.64	3772.36	3730.13	3632.22	3513.43	3348.70	3151.95
180.0	3751.94	3723.64	3660.53	3571.90	3445.68	3313.43	3147.77	2965.87	2768.19
225.0	3666.56	3518.53	3350.55	3173.76	2973.29	2782.11	2598.82	2406.71	2258.68
270.0	3828.97	3714.36	3565.40	3390.92	3204.85	3007.63	2818.77	2634.09	2445.69
315.0	3690.23	3636.40	3478.63	3397.42	3244.75	2998.82	2883.27	2688.38	2493.02
360.0	3751.94	3747.77	3708.32	3633.15	3527.81	3371.90	3195.10	2987.22	2854.97

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2520.86	2378.40	2134.32	1814.60	1687.46	1494.42	1326.44	1177.48	903.43
45.0	3141.27	2778.86	2512.51	2347.78	2088.85	1846.62	1623.42	1429.46	1262.40
90.0	2719.93	2447.54	2287.92	2027.59	1695.35	1572.38	1383.98	1226.67	1039.67
135.0	2925.03	2686.99	2432.23	2183.05	1945.00	1720.87	1521.80	1415.07	1194.65
180.0	2647.08	2370.98	2173.76	2053.58	1854.97	1668.43	1493.49	1334.79	1193.26
225.0	2052.19	1887.92	1752.42	1564.49	1442.91	1301.85	1174.70	916.28	897.77
270.0	2258.68	2086.06	1921.79	1762.17	1605.32	1487.92	1348.71	1213.68	1096.28
315.0	2303.69	2115.30	1921.79	1746.85	1570.99	1410.43	1260.55	1130.62	895.82
360.0	2520.86	2378.40	2134.32	1814.60	1687.46	1494.42	1326.44	1177.48	903.43

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	903.43	828.07	738.60	660.09	590.44	530.07	473.08	437.91	360.69
45.0	1123.19	1001.15	894.42	803.47	720.88	647.09	579.35	520.41	466.12
90.0	892.43	873.45	786.49	706.91	634.75	580.65	508.02	457.58	422.83
135.0	1111.13	991.87	887.46	795.12	710.20	635.96	566.35	508.35	450.81
180.0	1065.65	957.07	859.16	770.99	688.86	611.83	541.76	482.83	420.65
225.0	860.83	774.43	689.92	612.06	538.88	476.28	424.13	389.28	302.18
270.0	987.70	887.46	796.05	714.38	634.57	557.07	485.61	434.10	378.88
315.0	895.82	803.52	719.76	671.32	596.51	507.23	472.53	410.07	349.19
360.0	903.43	828.07	738.60	660.09	590.44	530.07	473.08	437.91	360.69

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	330.39	279.35	232.25	186.63	142.32	103.85	73.92	57.26	48.31
45.0	421.57	378.42	331.55	300.93	243.39	243.39	119.12	84.41	64.83
90.0	371.04	332.29	275.68	213.50	154.71	107.38	76.29	60.56	51.55
135.0	396.05	344.54	298.14	250.81	250.81	147.24	121.34	85.89	59.21
180.0	360.32	304.17	252.20	252.20	155.03	132.30	99.72	75.08	58.70
225.0	262.74	201.02	149.28	109.28	84.36	67.84	55.36	45.61	38.65
270.0	317.63	251.27	251.27	135.78	111.83	86.54	69.37	56.52	46.54
315.0	292.53	240.37	192.90	150.16	113.60	84.55	63.90	50.35	42.13
360.0	330.39	279.35	232.25	186.63	142.32	103.85	73.92	57.26	48.31

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	41.67	36.06	31.42	27.38	24.13	21.30	18.93	16.80	15.13
45.0	54.43	46.73	40.14	34.76	30.12	26.36	23.25	20.56	18.28
90.0	44.32	38.24	33.32	29.05	25.66	22.60	20.14	18.00	16.10
135.0	53.87	46.31	39.95	34.52	29.98	26.26	23.25	20.65	18.38
180.0	48.40	41.62	36.01	31.32	27.33	24.18	21.44	18.98	16.89
225.0	33.46	29.19	25.57	22.51	19.91	17.87	16.10	14.39	13.04
270.0	39.21	33.87	29.42	25.85	22.78	20.14	17.91	16.06	14.48
315.0	36.24	31.32	27.29	23.99	22.27	18.70	17.45	15.68	14.11
360.0	41.67	36.06	31.42	27.38	24.13	21.30	18.93	16.80	15.13

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	13.64	12.81	11.00	10.12	9.51	8.40	8.03	7.33	6.87
45.0	16.33	14.66	13.22	11.97	10.81	10.21	9.28	8.58	7.89
90.0	14.48	13.13	12.34	10.72	10.16	9.23	8.58	7.89	7.29
135.0	16.43	14.80	13.32	12.02	11.00	10.07	9.19	8.45	7.84
180.0	15.22	13.69	12.39	11.69	10.21	9.37	8.86	7.89	7.56
225.0	11.83	10.95	10.02	9.00	8.45	7.80	7.19	6.68	6.22
270.0	13.09	11.74	10.67	9.79	8.91	8.35	7.56	7.10	6.64
315.0	12.71	11.51	10.44	9.56	8.82	8.03	7.42	6.87	6.45
360.0	13.64	12.81	11.00	10.12	9.51	8.40	8.03	7.33	6.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.45	5.99	5.61	5.34	5.15	4.92	4.69	4.55	4.32
45.0	7.24	6.73	6.36	5.99	5.61	5.38	5.15	4.92	4.64
90.0	6.77	6.40	6.03	5.66	5.38	5.20	4.97	4.69	4.45
135.0	7.47	6.96	6.31	6.17	5.80	5.52	5.29	5.01	4.78
180.0	6.96	6.54	6.13	5.80	5.48	5.15	5.01	4.83	4.64
225.0	5.89	5.57	5.20	4.97	4.78	4.64	4.41	4.27	4.08
270.0	6.17	5.75	5.48	5.20	5.01	4.73	4.55	4.41	4.32
315.0	6.08	5.66	5.38	5.20	4.97	4.73	4.59	4.45	4.27
360.0	6.45	5.99	5.61	5.34	5.15	4.92	4.69	4.55	4.32

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.08	3.81	3.67	3.48	3.29	3.02	2.88	2.74	2.51
45.0	4.41	4.22	3.99	3.76	3.53	3.34	3.20	2.92	2.74
90.0	4.27	4.04	3.76	3.57	3.39	3.25	2.92	2.78	2.64
135.0	4.59	4.41	4.13	3.90	3.71	3.53	3.20	3.02	2.88
180.0	4.36	4.18	4.04	3.81	3.57	3.39	3.20	3.02	2.83
225.0	3.94	3.76	3.53	3.34	3.20	3.06	2.78	2.64	2.55
270.0	4.13	3.94	3.81	3.67	3.43	3.20	3.11	2.92	2.83
315.0	4.13	3.94	3.71	3.53	3.39	3.16	2.97	2.83	2.69
360.0	4.08	3.81	3.67	3.48	3.29	3.02	2.88	2.74	2.51

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.37	2.23	2.09	1.95	1.72	1.67	1.53	1.35	1.21
45.0	2.55	2.46	2.32	2.13	1.95	1.86	1.72	1.53	1.35
90.0	2.37	2.32	2.13	1.95	1.86	1.67	1.48	1.39	1.30
135.0	2.64	2.51	2.32	2.18	2.04	1.86	1.67	1.58	1.44
180.0	2.64	2.51	2.37	2.23	2.00	1.86	1.76	1.62	1.44
225.0	2.37	2.27	2.13	1.95	1.76	1.67	1.53	1.39	1.25
270.0	2.60	2.46	2.37	2.18	2.09	1.95	1.81	1.62	1.53
315.0	2.51	2.32	2.18	2.09	1.95	1.76	1.62	1.53	1.39
360.0	2.37	2.23	2.09	1.95	1.72	1.67	1.53	1.35	1.21

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.16	1.02	0.88	0.70	0.60	0.56	0.46	0.37	0.28
45.0	1.25	1.16	0.97	0.79	0.74	0.56	0.42	0.32	0.28
90.0	1.11	1.02	0.93	0.88	0.79	0.70	0.60	0.37	0.32
135.0	1.30	1.21	1.11	0.97	0.79	0.70	0.56	0.51	0.32
180.0	1.25	1.21	1.07	0.97	0.79	0.65	0.56	0.46	0.42
225.0	1.16	1.07	0.88	0.84	0.74	0.60	0.46	0.32	0.28
270.0	1.44	1.25	1.21	1.02	1.02	0.93	0.84	0.70	0.56
315.0	1.25	1.25	1.35	1.58	1.39	1.25	0.88	0.46	0.37
360.0	1.16	1.02	0.88	0.70	0.60	0.56	0.46	0.37	0.28

Intensity data(cd)

C/γ(°)	90.0
0.0	0.23
45.0	0.23
90.0	0.28
135.0	0.23
180.0	0.23
225.0	0.28
270.0	0.42
315.0	0.23
360.0	0.23