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

Nata

Client:
LumCAT: LM01D08524BK
Luminaire: 92.70.074.00
Report No:
Test No: GC2019072306
LampCAT: CREE CXA1830
Lamp flux(lm): 1109.0
Number of Lamps: 1
Length(mm): 85
Phm Type: C

Voltage(V): 34.7000
Current(A): 0.2970
Power (W): 10.3100
PF: 0.0000
Ballast type: DC
Width(mm): 85
Height(mm): 0

Photometric Results

Lumens(lm): 991.97, Efficiency(%): 89.45% , Luminous Efficacy(lm/W): 96.21
Central intensity(cd): 3964.219, Maximum intensity(cd): 3964.219
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=28.4
[C90/270]Total=28.4
Field angle(10%Imax): [C0/180]Total=42.2
[C90/270]Total=42.2
Maximum s/h(1/2): C0_180=0.48 C90_270=0.48
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(%): 89.45%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 95.525%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3964.219	0.000	0	.000%	.000%
1.0	3954.234	3.789	3.789	.342%	.382%
2.0	3932.789	11.320	15.109	1.021%	1.523%
3.0	3900.727	18.735	33.844	1.689%	3.412%
4.0	3867.820	26.004	59.848	2.345%	6.033%
5.0	3826.688	33.101	92.949	2.985%	9.370%
6.0	3763.828	39.890	132.84	3.597%	13.391%
7.0	3666.797	46.122	178.961	4.159%	18.041%
8.0	3546.703	51.626	230.587	4.655%	23.245%
9.0	3375.352	56.099	286.686	5.059%	28.901%
10.0	3137.906	58.943	345.629	5.315%	34.843%
11.0	2897.648	60.308	405.937	5.438%	40.922%
12.0	2623.219	60.351	466.288	5.442%	47.006%
13.0	2315.531	58.611	524.898	5.285%	52.915%
14.0	2029.711	55.619	580.517	5.015%	58.521%
15.0	1745.016	51.821	632.338	4.673%	63.745%
16.0	1408.373	46.206	678.544	4.166%	68.403%
17.0	1129.043	39.514	718.058	3.563%	72.387%
18.0	903.980	33.520	751.579	3.023%	75.766%
19.0	690.722	27.745	779.323	2.502%	78.563%
20.0	530.796	22.357	801.68	2.016%	80.817%
21.0	407.152	18.010	819.691	1.624%	82.632%
22.0	326.109	14.735	834.426	1.329%	84.118%
23.0	257.709	12.250	846.676	1.105%	85.353%
24.0	198.942	9.984	856.66	.900%	86.359%
25.0	158.288	8.123	864.783	.732%	87.178%
26.0	123.370	6.649	871.431	.600%	87.848%
27.0	96.743	5.385	876.816	.486%	88.391%
28.0	77.302	4.406	881.223	.397%	88.835%
29.0	62.831	3.666	884.889	.331%	89.205%
30.0	53.170	3.132	888.021	.282%	89.521%
31.0	46.139	2.764	890.785	.249%	89.799%
32.0	41.020	2.497	893.282	.225%	90.051%
33.0	37.188	2.304	895.586	.208%	90.283%
34.0	33.912	2.152	897.737	.194%	90.500%
35.0	31.092	2.019	899.756	.182%	90.704%
36.0	28.737	1.905	901.661	.172%	90.896%
37.0	27.162	1.823	903.484	.164%	91.080%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	25.980	1.774	905.258	.160%	91.258%
39.0	25.235	1.748	907.006	.158%	91.435%
40.0	24.905	1.749	908.755	.158%	91.611%
41.0	24.848	1.772	910.527	.160%	91.789%
42.0	24.799	1.804	912.33	.163%	91.971%
43.0	24.778	1.836	914.167	.166%	92.156%
44.0	24.961	1.877	916.044	.169%	92.346%
45.0	25.200	1.928	917.972	.174%	92.540%
46.0	25.481	1.982	919.954	.179%	92.740%
47.0	25.629	2.033	921.987	.183%	92.945%
48.0	25.643	2.073	924.059	.187%	93.154%
49.0	25.481	2.099	926.159	.189%	93.365%
50.0	25.158	2.111	928.27	.190%	93.578%
51.0	24.680	2.109	930.379	.190%	93.791%
52.0	23.984	2.088	932.467	.188%	94.001%
53.0	23.203	2.053	934.52	.185%	94.208%
54.0	22.254	2.004	936.523	.181%	94.410%
55.0	21.361	1.947	938.47	.176%	94.606%
56.0	20.602	1.896	940.366	.171%	94.798%
57.0	19.948	1.854	942.22	.167%	94.984%
58.0	19.427	1.821	944.041	.164%	95.168%
59.0	18.844	1.789	945.83	.161%	95.348%
60.0	18.225	1.751	947.581	.158%	95.525%
61.0	17.557	1.708	949.289	.154%	95.697%
62.0	16.903	1.660	950.95	.150%	95.864%
63.0	16.270	1.613	952.563	.145%	96.027%
64.0	15.595	1.564	954.127	.141%	96.185%
65.0	15.012	1.515	955.641	.137%	96.337%
66.0	14.534	1.474	957.115	.133%	96.486%
67.0	14.133	1.441	958.557	.130%	96.631%
68.0	13.830	1.417	959.973	.128%	96.774%
69.0	13.690	1.404	961.377	.127%	96.916%
70.0	13.802	1.412	962.789	.127%	97.058%
71.0	14.027	1.438	964.228	.130%	97.203%
72.0	14.147	1.465	965.693	.132%	97.351%
73.0	14.224	1.484	967.176	.134%	97.500%
74.0	13.964	1.482	968.658	.134%	97.650%
75.0	13.760	1.465	970.123	.132%	97.797%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.753	1.461	971.584	.132%	97.945%
77.0	13.838	1.471	973.055	.133%	98.093%
78.0	13.929	1.486	974.541	.134%	98.243%
79.0	13.971	1.499	976.04	.135%	98.394%
80.0	14.070	1.512	977.552	.136%	98.546%
81.0	14.252	1.532	979.083	.138%	98.701%
82.0	14.147	1.540	980.623	.139%	98.856%
83.0	13.760	1.517	982.14	.137%	99.009%
84.0	13.465	1.483	983.624	.134%	99.158%
85.0	13.409	1.467	985.09	.132%	99.306%
86.0	13.395	1.465	986.555	.132%	99.454%
87.0	12.909	1.440	987.995	.130%	99.599%
88.0	12.368	1.385	989.38	.125%	99.739%
89.0	11.946	1.333	990.712	.120%	99.873%
90.0	11.046	1.261	991.973	.114%	100.000%

Zonal flux distribution table

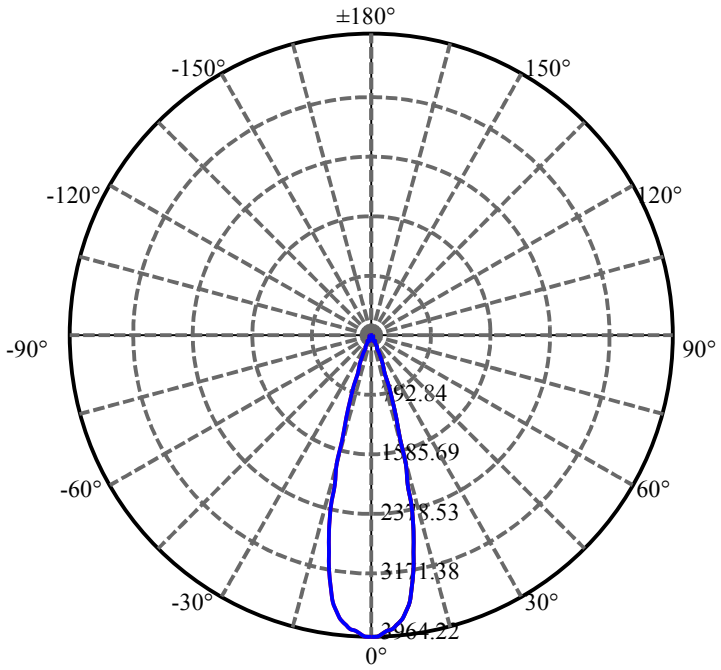
ZONAL LUMEN SUMMARY

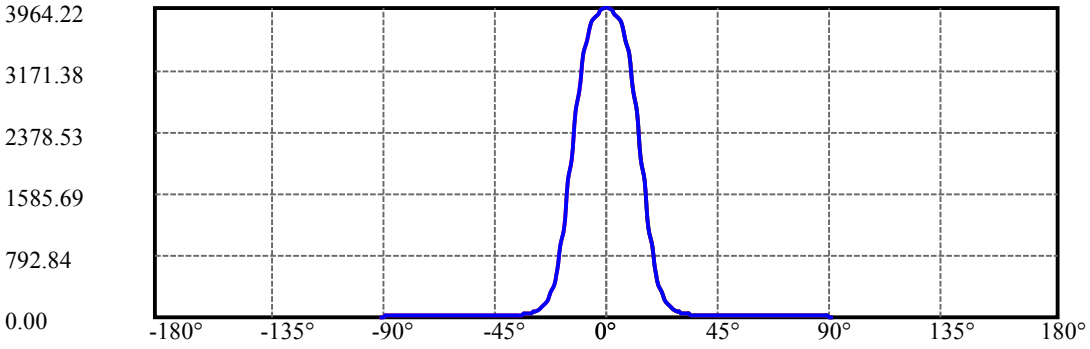
Zone	Lumens	%Lamp	%Fixt
0-30	888.02	80.07%	89.52%
0-40	908.75	81.94%	91.61%
0-60	947.58	85.44%	95.52%
0-90	990.71	89.33%	99.87%
0-120	990.71	89.33%	99.87%
0-180	991.97	89.45%	100.00%
60-90	44.88	4.05%	4.52%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-19.64	793.58	71.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	345.63
10-20	456.05
20-30	86.34
30-40	20.73
40-50	19.52
50-60	19.31
60-70	15.21
70-80	14.76
80-90	13.16
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):

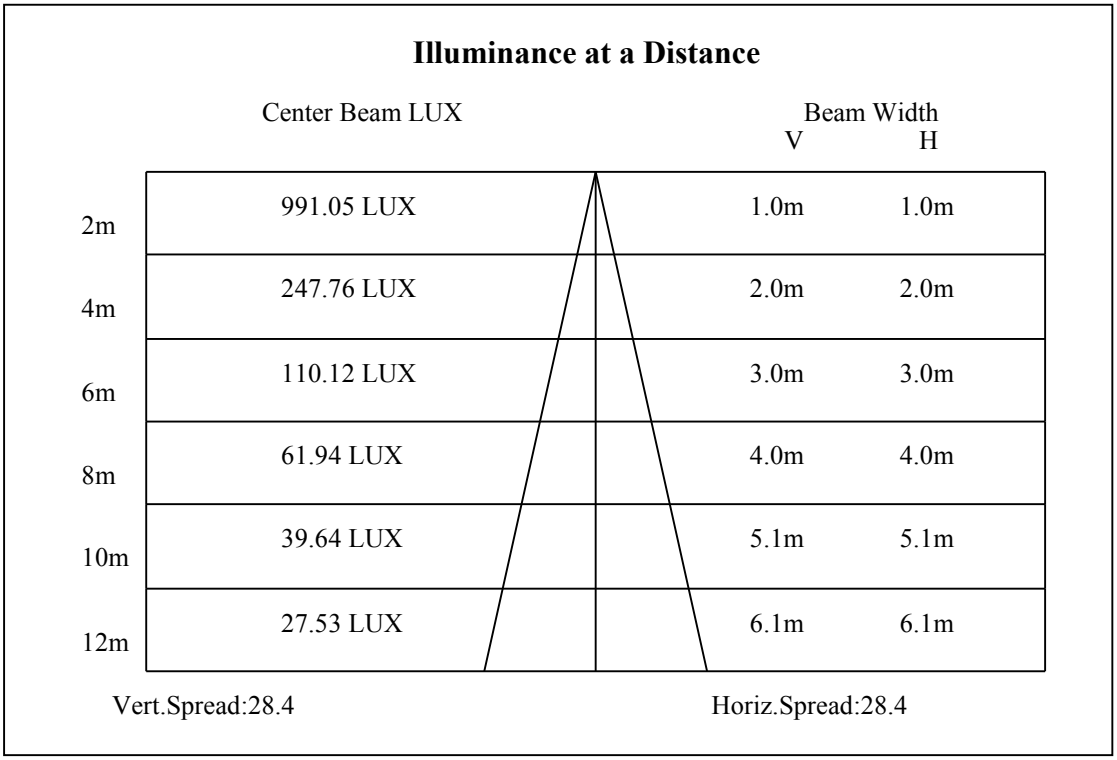
C0/C180:

C90/C270:

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

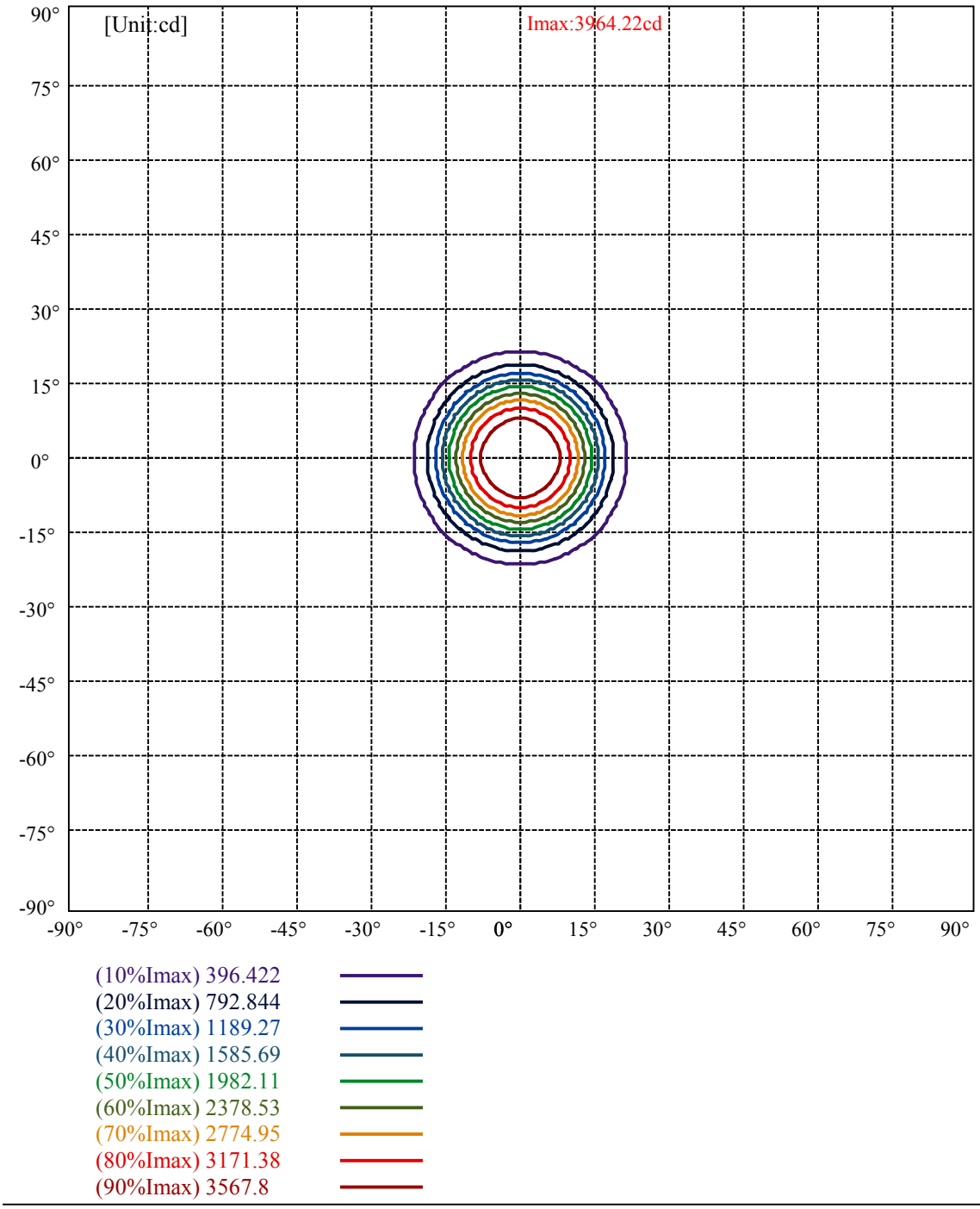
Beam Angle(50%Imax):C0/180Left:14.2 Right:14.2
:C90/270Left:14.2 Right:14.2

Lux distance Curve



Equipment: GMS1980 Date: 2019/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

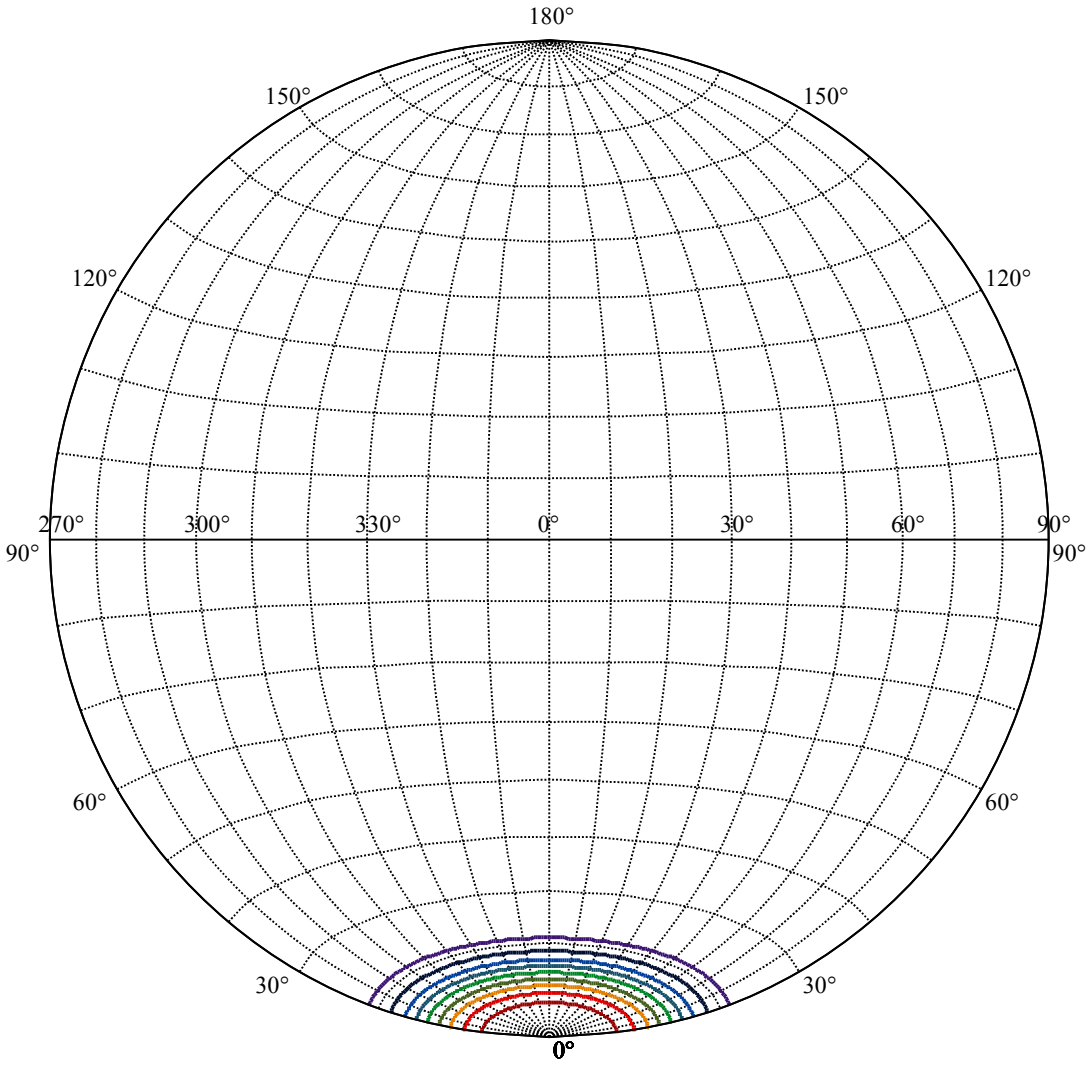


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/7/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3964.22

(10%Imax) 396.422
(20%Imax) 792.844
(30%Imax) 1189.27
(40%Imax) 1585.69
(50%Imax) 1982.11
(60%Imax) 2378.53
(70%Imax) 2774.95
(80%Imax) 3171.38
(90%Imax) 3567.8

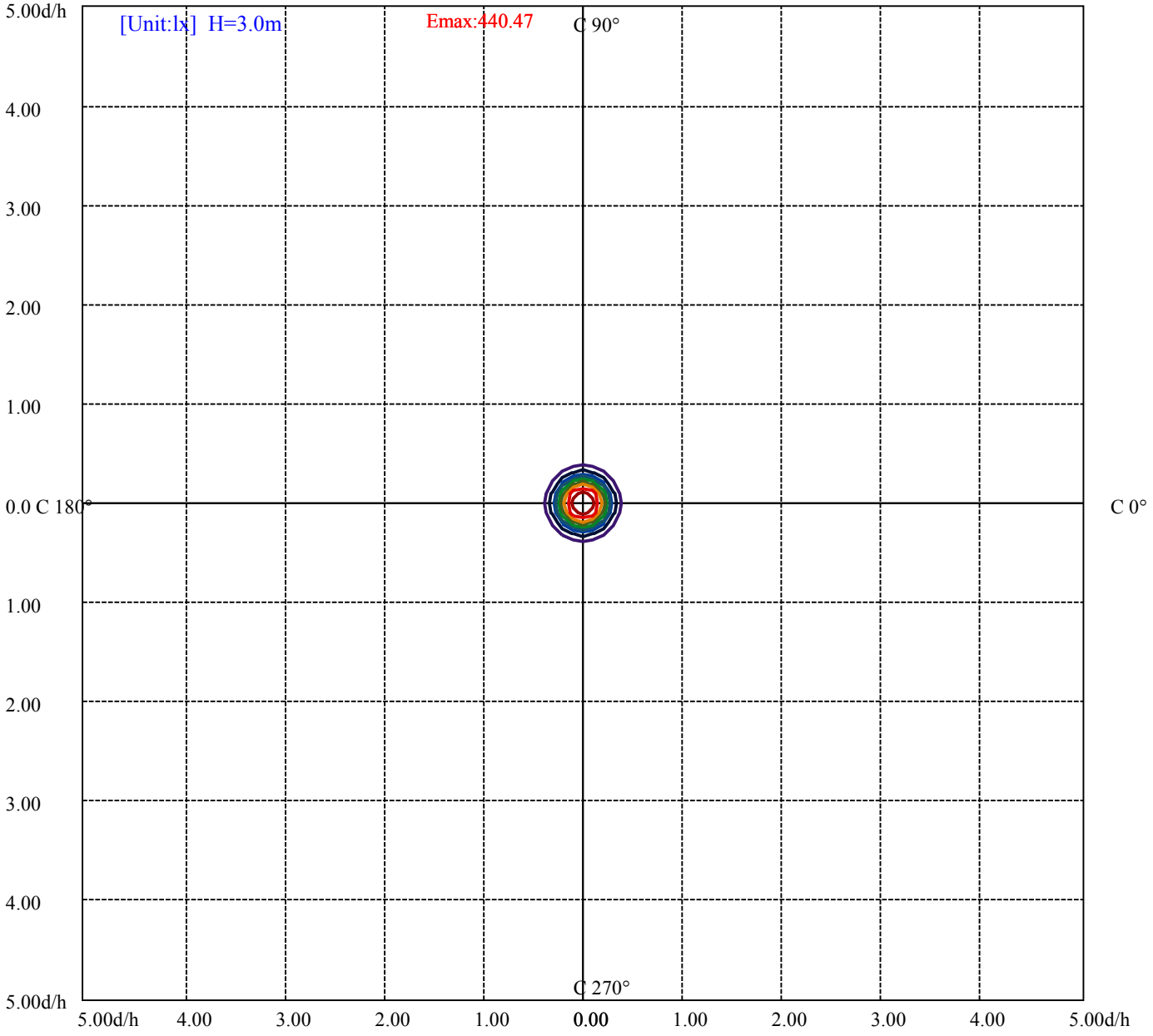
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/7/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata LM01D08524BK

ISO illuminance diagram



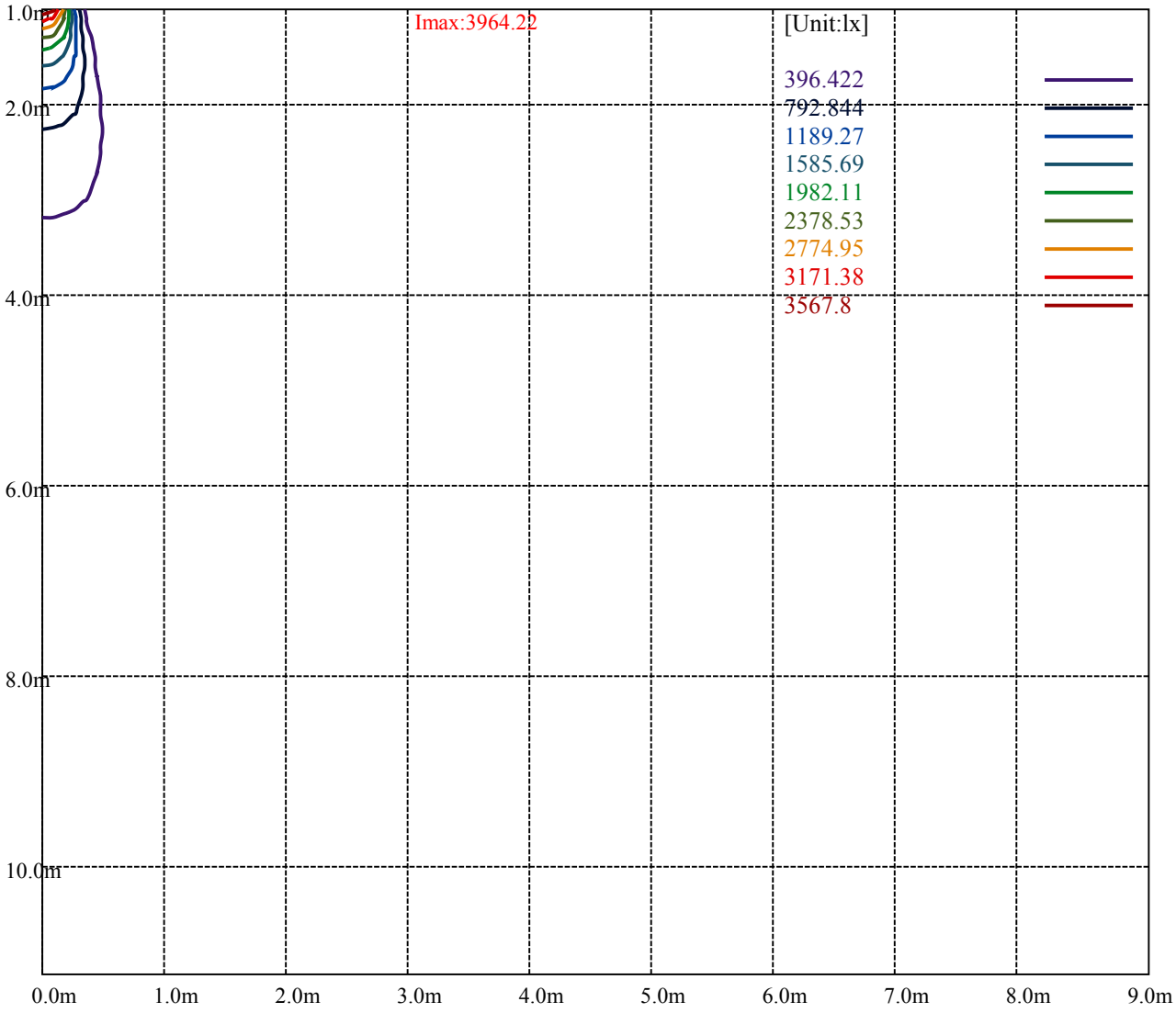
(10%Emax) 44.04689
(20%Emax) 88.09367
(30%Emax) 132.1411
(40%Emax) 176.1878
(50%Emax) 220.2344
(60%Emax) 264.2811
(70%Emax) 308.3278
(80%Emax) 352.3745
(90%Emax) 396.4222

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/7/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/7/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

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Luminance Limitting Curve(no luminous side)

Luminance Table

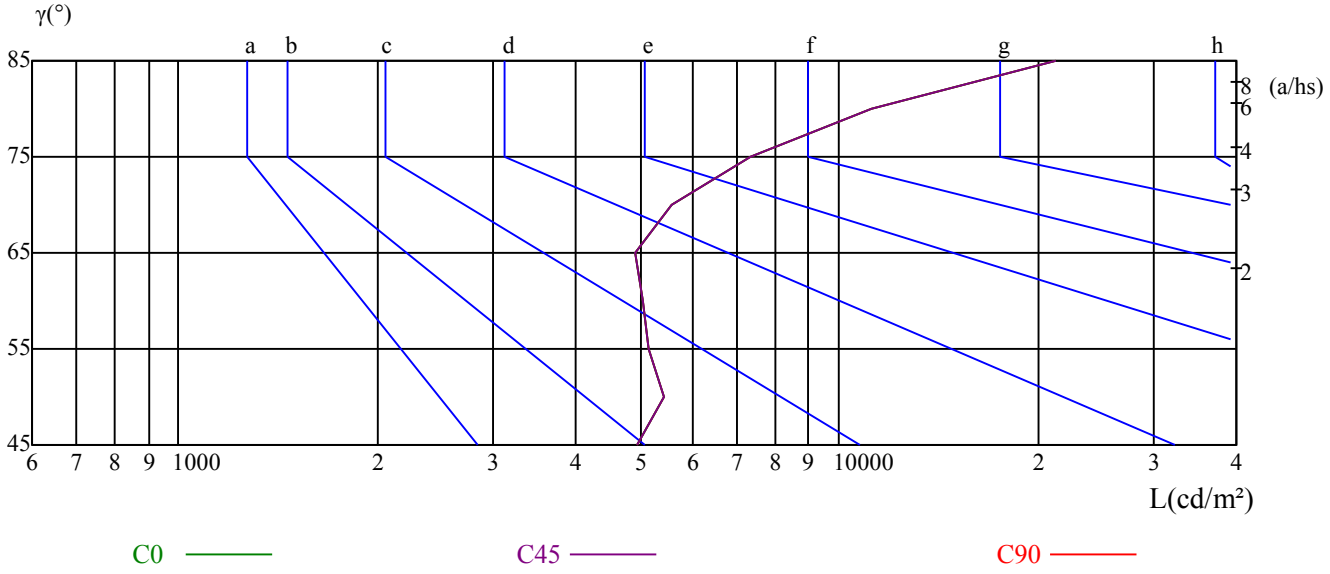
γ	45	50	55	60	65	70	75	80	85
C0	4933	5417	5155	5045	4916	5586	7358	11214	21294
C45	4933	5417	5155	5045	4916	5586	7358	11214	21294
C90	4933	5417	5155	5045	4916	5586	7358	11214	21294

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4916	4916	4916	7358	7358	7358	21294	21294	21294

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

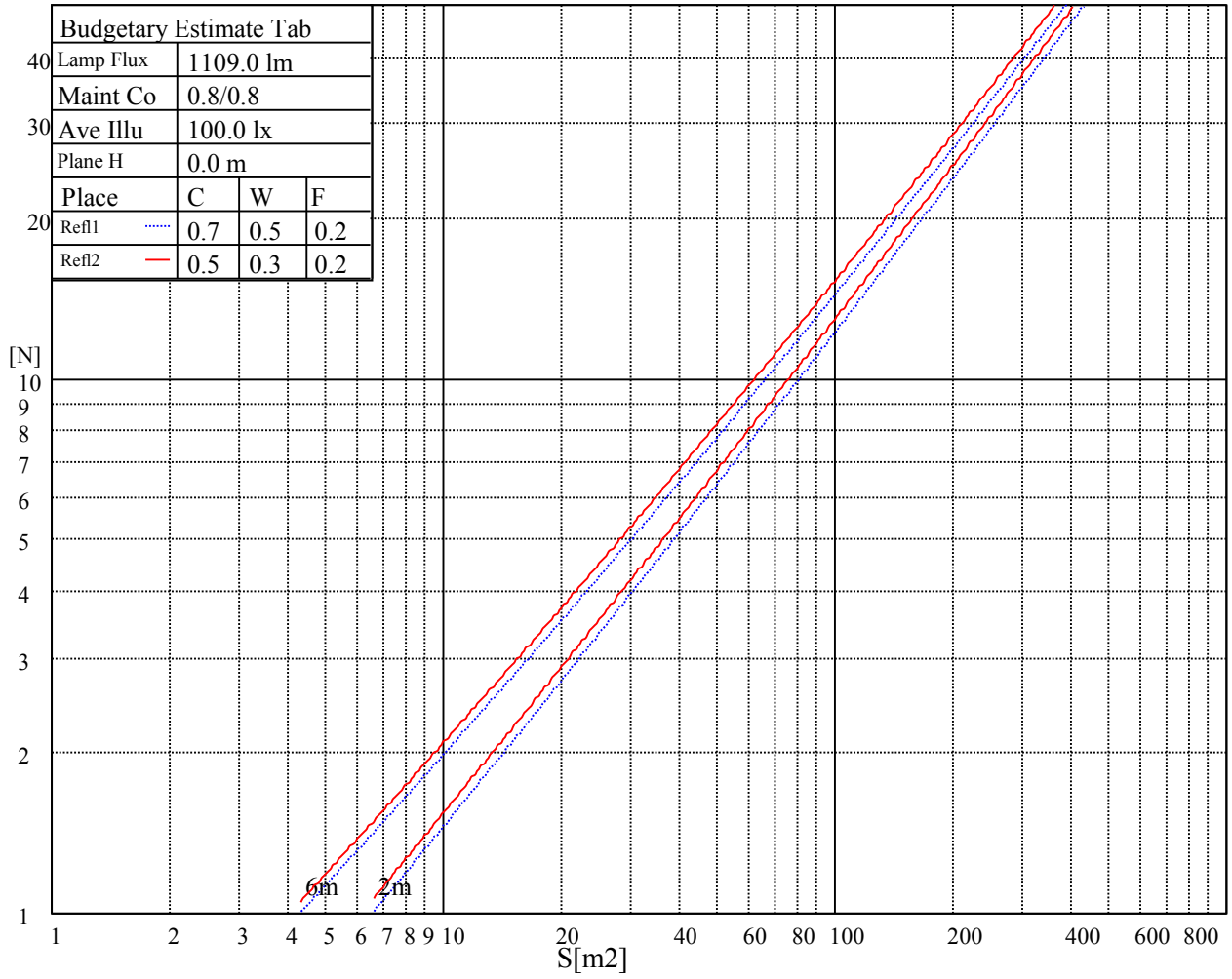


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2019/7/23
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Budgetary Estimate Table

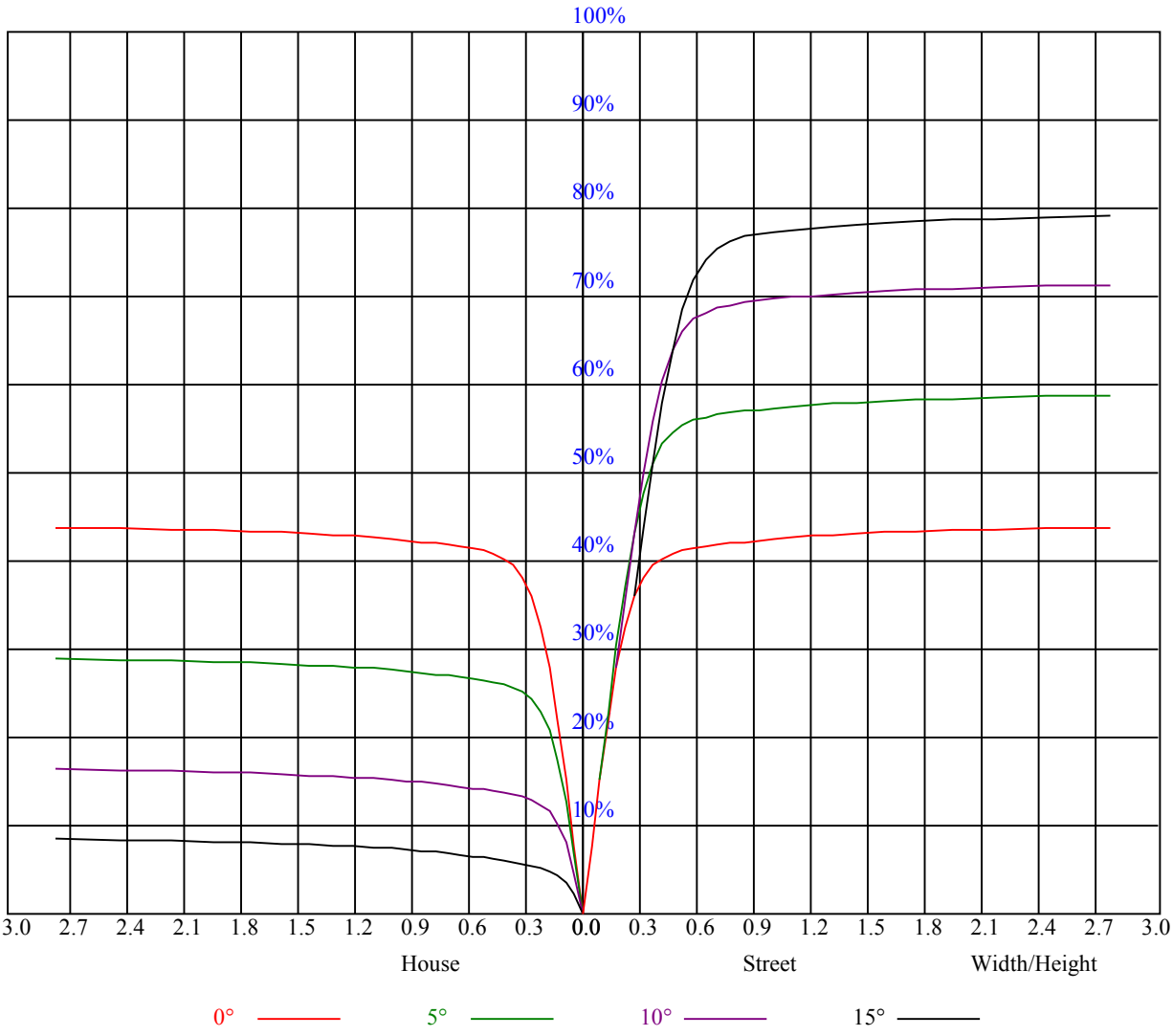


Equipment: GMS1980 Date: 2019/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

Utilization factor table for indoor luminaire

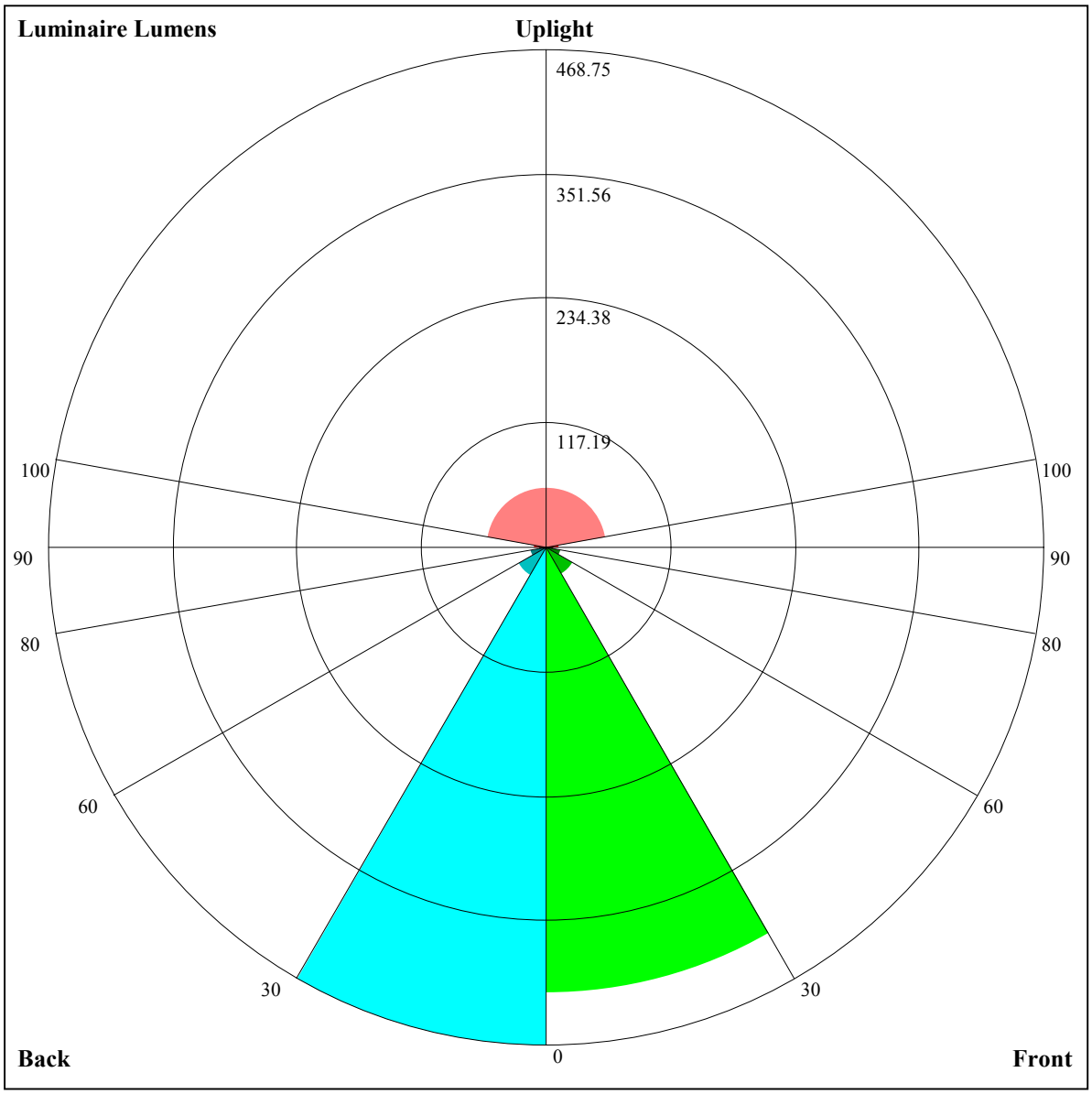
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.06	1.06	1.06	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.84
2	0.94	0.91	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.85	0.83	0.82	0.81
3	0.90	0.86	0.83	0.89	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.74	0.73
6	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
8	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
10	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2019/7/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

LCS Graph



Luminaire Lumens:

FL=419.2,FM=28.84,FH=14.54,FVH=7.09

BL=468.75,BM=30.81,BH=15.34,BVH=7.27

UL=12.05,UH=57.35

BUG Rating:B1-U2-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	3974.06	3936.38	3860.44	3751.31	3652.88	3556.13	3449.81	3325.50	3204.56
45.0	3965.06	3967.88	3943.69	3879.56	3821.06	3764.81	3688.31	3605.06	3486.38
90.0	3967.31	3977.44	3978.56	3971.25	3968.44	3952.13	3906.56	3836.25	3714.19
135.0	3950.44	3981.38	4007.81	4042.69	4079.25	4098.38	4094.44	4053.94	3971.25
180.0	3974.06	3992.06	4023.56	4072.50	4096.13	4101.19	4083.19	4001.06	3901.50
225.0	3965.06	3956.06	3963.38	3965.63	3944.81	3907.69	3843.56	3708.56	3563.44
270.0	3967.31	3930.75	3878.44	3828.94	3772.69	3716.44	3638.81	3528.56	3396.94
315.0	3950.44	3891.94	3806.44	3693.94	3607.31	3516.75	3405.94	3275.44	3135.38
360.0	3974.06	3936.38	3860.44	3751.31	3652.88	3556.13	3449.81	3325.50	3204.56

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3030.19	2801.25	2580.75	2346.75	2035.69	1794.94	1562.63	1260.00	1018.69
45.0	3329.44	3139.88	2918.81	2621.25	2354.63	2094.75	1816.31	1537.31	1280.25
90.0	3531.94	3293.44	3031.31	2721.38	2444.63	2121.75	1796.63	1508.06	1119.60
135.0	3834.56	3633.19	3400.88	3133.69	2778.19	2469.38	2151.56	1745.44	1444.50
180.0	3759.19	3497.63	3245.63	2971.69	2641.50	2287.13	1969.88	1623.38	1111.28
225.0	3388.50	3082.50	2817.00	2548.69	2193.19	1911.94	1627.31	1120.28	1063.24
270.0	3201.19	2967.75	2733.19	2468.25	2145.94	1890.56	1634.63	1376.44	1069.88
315.0	2927.81	2687.63	2453.63	2174.06	1930.50	1667.25	1401.19	1096.09	924.92
360.0	3030.19	2801.25	2580.75	2346.75	2035.69	1794.94	1562.63	1260.00	1018.69

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	796.50	581.63	420.75	317.25	287.44	180.00	141.81	108.45	86.34
45.0	996.75	729.00	559.13	416.25	317.81	287.44	181.86	144.45	115.48
90.0	907.82	705.21	547.37	406.52	328.56	264.54	201.15	160.03	128.59
135.0	1162.69	889.88	698.06	561.94	441.56	351.56	289.69	252.84	177.98
180.0	1053.17	819.28	658.24	520.99	416.70	341.16	278.83	215.38	172.29
225.0	822.49	634.89	503.04	403.37	319.61	251.44	201.32	151.99	121.44
270.0	848.25	662.06	480.38	371.81	291.38	223.71	172.18	136.69	106.88
315.0	644.18	503.83	379.41	259.09	205.82	161.83	124.71	96.47	77.96
360.0	796.50	581.63	420.75	317.25	287.44	180.00	141.81	108.45	86.34

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	67.95	56.31	49.50	44.83	40.56	37.35	34.31	31.05	28.58
45.0	86.91	71.44	59.96	50.34	44.72	40.89	37.07	33.64	31.05
90.0	100.24	78.36	64.41	53.61	47.08	41.57	37.74	34.88	32.12
135.0	136.41	107.16	82.35	66.49	53.55	46.01	41.23	37.18	33.81
180.0	135.96	103.67	79.09	63.17	51.81	44.55	40.50	36.73	33.75
225.0	96.47	77.68	61.71	53.21	46.97	41.63	37.35	34.09	31.11
270.0	86.57	69.47	58.16	51.08	45.17	40.50	36.96	33.98	30.83
315.0	63.45	54.34	47.48	42.64	39.26	35.66	32.34	29.76	27.51
360.0	67.95	56.31	49.50	44.83	40.56	37.35	34.31	31.05	28.58

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	26.66	25.26	24.41	23.96	23.68	23.79	23.85	24.02	24.24
45.0	28.29	26.72	25.65	25.03	24.64	24.53	24.53	24.41	24.47
90.0	29.76	28.07	26.83	25.93	25.54	25.43	25.31	25.31	25.48
135.0	31.11	29.59	27.73	26.55	26.10	26.16	26.16	26.10	26.21
180.0	30.83	28.58	27.23	26.33	26.04	26.10	26.04	26.10	26.38
225.0	28.80	27.28	26.04	25.48	25.26	25.09	24.92	24.86	25.09
270.0	28.86	27.23	25.93	25.03	24.53	24.08	23.91	23.68	23.85
315.0	25.59	24.58	24.02	23.57	23.46	23.63	23.68	23.74	23.96
360.0	26.66	25.26	24.41	23.96	23.68	23.79	23.85	24.02	24.24

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	24.53	24.81	24.92	24.86	24.64	24.30	23.74	22.89	21.99
45.0	24.64	24.81	24.81	24.81	24.58	24.19	23.79	22.95	22.22
90.0	25.76	26.04	26.16	26.16	25.99	25.59	24.98	24.30	23.63
135.0	26.55	26.94	27.17	27.34	27.28	27.00	26.49	25.71	24.81
180.0	26.72	27.23	27.56	27.73	27.62	27.34	26.83	25.99	25.26
225.0	25.26	25.48	25.71	25.76	25.71	25.48	25.14	24.58	23.74
270.0	23.91	24.13	24.13	23.96	23.74	23.46	23.12	22.84	22.16
315.0	24.24	24.41	24.58	24.53	24.30	23.91	23.34	22.61	21.83
360.0	24.53	24.81	24.92	24.86	24.64	24.30	23.74	22.89	21.99

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.15	20.31	19.69	19.29	18.84	18.45	17.89	17.33	16.76
45.0	21.54	20.70	19.91	19.41	18.90	18.39	17.78	17.04	16.43
90.0	22.50	21.88	21.26	20.48	20.03	19.41	18.68	17.94	17.21
135.0	23.91	23.01	22.11	21.38	20.87	20.14	19.29	18.51	17.83
180.0	24.13	22.95	22.39	21.83	21.15	20.76	20.31	19.80	19.52
225.0	22.78	21.77	20.93	20.14	19.46	18.73	18.00	17.27	16.37
270.0	21.32	20.42	19.29	18.45	18.17	17.49	16.99	16.54	15.75
315.0	20.70	19.86	19.24	18.62	18.00	17.38	16.88	16.03	15.36
360.0	21.15	20.31	19.69	19.29	18.84	18.45	17.89	17.33	16.76

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.20	15.58	15.19	14.79	14.51	14.29	14.23	14.23	14.68
45.0	15.53	14.85	14.23	13.67	13.05	12.83	12.60	12.43	12.94
90.0	16.43	15.69	15.13	14.51	14.18	13.89	13.67	13.95	14.46
135.0	16.99	16.03	15.30	14.68	14.12	13.67	13.39	13.39	13.95
180.0	19.41	19.13	18.56	18.23	17.83	17.55	17.49	17.27	16.76
225.0	15.75	14.96	14.29	13.78	13.44	13.05	13.05	13.89	13.95
270.0	15.19	14.51	13.95	13.56	13.22	12.77	12.60	12.43	12.43
315.0	14.68	14.01	13.44	13.05	12.71	12.60	12.49	12.83	13.05
360.0	16.20	15.58	15.19	14.79	14.51	14.29	14.23	14.23	14.68

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.02	15.02	14.46	13.84	13.73	13.73	13.78	13.84	13.95
45.0	13.56	13.89	13.95	13.78	13.56	13.56	13.73	13.67	13.67
90.0	14.57	14.85	14.57	14.51	14.57	14.91	15.13	15.30	15.69
135.0	14.18	14.74	14.63	14.29	14.34	14.29	14.18	14.18	14.34
180.0	15.98	15.41	14.85	14.74	14.57	14.68	14.68	14.74	14.74
225.0	14.29	14.06	13.89	13.61	13.67	13.61	13.61	13.67	13.67
270.0	12.43	12.71	12.71	12.77	13.05	13.33	13.50	13.44	13.28
315.0	13.16	13.11	12.66	12.54	12.54	12.60	12.83	12.94	13.22
360.0	15.02	15.02	14.46	13.84	13.73	13.73	13.78	13.84	13.95

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.56	12.94	12.54	12.38	12.43	12.54	12.66	11.98	11.70
45.0	13.73	13.95	13.67	13.16	13.22	13.50	13.73	13.16	12.71
90.0	15.64	15.53	14.91	14.57	14.40	14.18	13.56	12.88	12.60
135.0	14.51	14.63	14.85	14.34	14.23	14.23	13.50	12.88	12.38
180.0	14.79	14.34	14.23	14.06	13.84	13.84	12.83	12.38	11.93
225.0	14.51	14.74	13.78	13.73	13.67	13.28	12.60	12.26	11.48
270.0	13.22	13.11	13.05	12.94	12.66	12.60	12.15	11.59	11.25
315.0	14.06	13.95	13.05	12.54	12.83	12.99	12.26	11.81	11.53
360.0	13.56	12.94	12.54	12.38	12.43	12.54	12.66	11.98	11.70

Intensity data(cd)

C/γ(°)	90.0
0.0	11.19
45.0	12.26
90.0	11.87
135.0	11.36
180.0	10.63
225.0	9.84
270.0	10.41
315.0	10.80
360.0	11.19