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

Nata

Client:
LumCAT: 2-2519-L
Luminaire: 92.70.412.00
Report No: 2024819-B021
Ballast type:
Test No: 2024819-C021
LampCAT: CREE CXA1830 LES14
Lamp flux(lm): 3681.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V):
Current(A):
Power (W): 29.200
PF:
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 3336.27, Efficiency(%): 90.63% , Luminous Efficacy(lm/W): 114.26
Central intensity(cd): 11160.120, Maximum intensity(cd): 11160.120
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.2
[C90/270]Total=26.2
Field angle(10%Imax): [C0/180]Total=56.8
[C90/270]Total=56.8
Maximum s/h(1/2): C0_180=0.44 C90_270=0.44
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.63%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.835%

Equipment: GMS 1800
Temperature(°C): 25
Date: 2024/8/19
Humidity(%): 60%
Operator: NT0

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11160.123	0.000	0	0.00%	0.00%
1.0	11079.091	10.641	10.641	0.29%	0.32%
2.0	11009.452	31.704	42.345	0.86%	1.27%
3.0	10747.060	52.034	94.379	1.41%	2.83%
4.0	10495.298	71.105	165.484	1.93%	4.96%
5.0	10091.836	88.565	254.049	2.41%	7.61%
6.0	9594.286	103.456	357.505	2.81%	10.72%
7.0	9113.450	116.119	473.623	3.15%	14.20%
8.0	8550.375	126.417	600.04	3.43%	17.99%
9.0	8000.183	134.133	734.173	3.64%	22.01%
10.0	7406.240	139.422	873.596	3.79%	26.18%
11.0	6801.653	141.966	1015.562	3.86%	30.44%
12.0	6186.685	141.981	1157.543	3.86%	34.70%
13.0	5613.852	140.043	1297.585	3.80%	38.89%
14.0	5109.824	137.262	1434.847	3.73%	43.01%
15.0	4619.173	133.564	1568.411	3.63%	47.01%
16.0	4175.256	128.863	1697.274	3.50%	50.87%
17.0	3808.567	124.330	1821.604	3.38%	54.60%
18.0	3407.068	118.970	1940.574	3.23%	58.17%
19.0	3100.977	113.227	2053.801	3.08%	61.56%
20.0	2868.980	109.267	2163.068	2.97%	64.83%
21.0	2587.238	104.770	2267.838	2.85%	67.98%
22.0	2295.319	98.117	2365.955	2.67%	70.92%
23.0	2138.959	93.043	2458.998	2.53%	73.71%
24.0	1856.205	87.349	2546.347	2.37%	76.32%
25.0	1620.535	79.053	2625.4	2.15%	78.69%
26.0	1492.722	73.489	2698.889	2.00%	80.90%
27.0	1305.975	68.471	2767.36	1.86%	82.95%
28.0	1177.328	62.872	2830.232	1.71%	84.83%
29.0	1013.674	57.323	2887.555	1.56%	86.55%
30.0	887.800	51.339	2938.894	1.39%	88.09%
31.0	775.947	46.300	2985.194	1.26%	89.48%
32.0	662.084	41.198	3026.392	1.12%	90.71%
33.0	554.613	35.844	3062.236	0.97%	91.79%
34.0	469.147	30.982	3093.218	0.84%	92.71%
35.0	392.885	26.772	3119.989	0.73%	93.52%
36.0	326.242	22.897	3142.887	0.62%	94.20%
37.0	266.117	19.319	3162.206	0.52%	94.78%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	221.282	16.269	3178.475	0.44%	95.27%
39.0	185.927	13.899	3192.374	0.38%	95.69%
40.0	153.463	11.837	3204.211	0.32%	96.04%
41.0	122.714	9.835	3214.045	0.27%	96.34%
42.0	103.732	8.227	3222.272	0.22%	96.58%
43.0	90.894	7.210	3229.482	0.20%	96.80%
44.0	79.796	6.442	3235.924	0.18%	96.99%
45.0	71.176	5.802	3241.726	0.16%	97.17%
46.0	65.178	5.333	3247.059	0.14%	97.33%
47.0	59.612	4.963	3252.022	0.13%	97.47%
48.0	54.494	4.613	3256.635	0.13%	97.61%
49.0	50.716	4.321	3260.955	0.12%	97.74%
50.0	47.188	4.082	3265.037	0.11%	97.87%
51.0	44.028	3.859	3268.896	0.10%	97.98%
52.0	41.524	3.671	3272.567	0.10%	98.09%
53.0	39.409	3.521	3276.088	0.10%	98.20%
54.0	37.339	3.383	3279.471	0.09%	98.30%
55.0	35.552	3.254	3282.724	0.09%	98.40%
56.0	34.021	3.144	3285.868	0.09%	98.49%
57.0	32.503	3.042	3288.91	0.08%	98.58%
58.0	31.038	2.938	3291.848	0.08%	98.67%
59.0	29.612	2.835	3294.684	0.08%	98.75%
60.0	28.036	2.723	3297.407	0.07%	98.84%
61.0	26.689	2.612	3300.019	0.07%	98.91%
62.0	25.513	2.515	3302.534	0.07%	98.99%
63.0	24.251	2.420	3304.954	0.07%	99.06%
64.0	23.193	2.328	3307.283	0.06%	99.13%
65.0	22.201	2.247	3309.529	0.06%	99.20%
66.0	21.032	2.157	3311.686	0.06%	99.26%
67.0	20.217	2.074	3313.76	0.06%	99.33%
68.0	19.829	2.029	3315.789	0.06%	99.39%
69.0	19.100	1.986	3317.775	0.05%	99.45%
70.0	18.265	1.919	3319.694	0.05%	99.50%
71.0	17.149	1.830	3321.524	0.05%	99.56%
72.0	15.467	1.696	3323.22	0.05%	99.61%
73.0	13.942	1.538	3324.758	0.04%	99.66%
74.0	12.155	1.372	3326.13	0.04%	99.70%
75.0	10.578	1.201	3327.331	0.03%	99.73%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.593	1.071	3328.402	0.03%	99.76%
77.0	8.804	0.981	3329.383	0.03%	99.79%
78.0	8.022	0.901	3330.283	0.02%	99.82%
79.0	7.286	0.822	3331.106	0.02%	99.85%
80.0	6.662	0.752	3331.858	0.02%	99.87%
81.0	6.045	0.687	3332.545	0.02%	99.89%
82.0	5.506	0.626	3333.171	0.02%	99.91%
83.0	4.915	0.566	3333.738	0.02%	99.92%
84.0	4.363	0.505	3334.243	0.01%	99.94%
85.0	3.890	0.450	3334.694	0.01%	99.95%
86.0	3.449	0.401	3335.095	0.01%	99.96%
87.0	3.016	0.354	3335.449	0.01%	99.98%
88.0	2.602	0.308	3335.757	0.01%	99.98%
89.0	2.332	0.270	3336.027	0.01%	99.99%
90.0	2.030	0.239	3336.266	0.01%	100.00%

Zonal flux distribution table

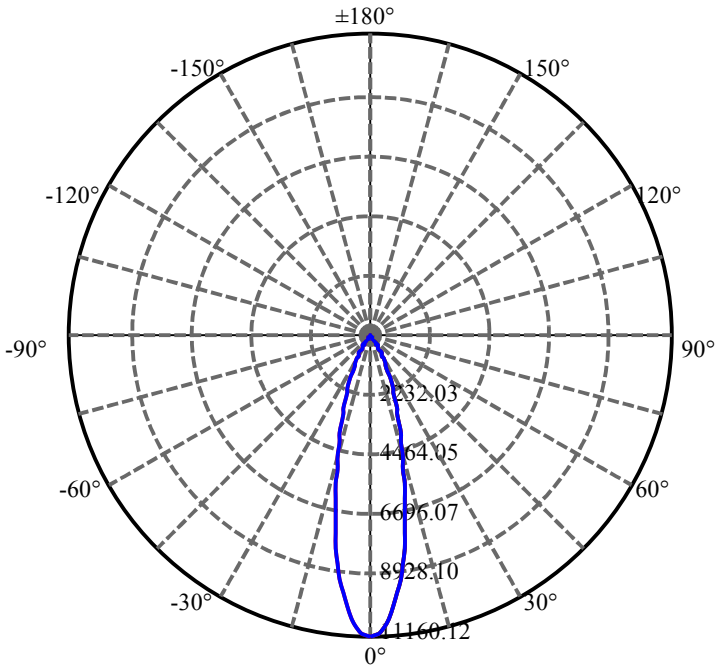
ZONAL LUMEN SUMMARY

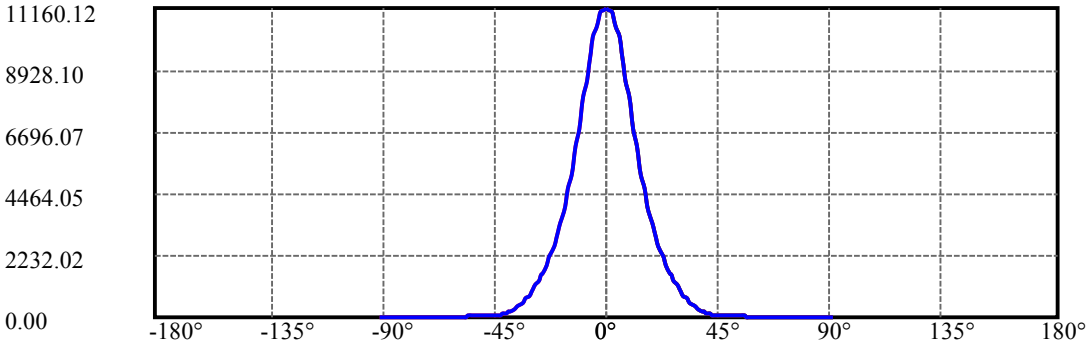
Zone	Lumens	%Lamp	%Fixt
0-30	2938.89	79.84%	88.09%
0-40	3204.21	87.05%	96.04%
0-60	3297.41	89.58%	98.84%
0-90	3336.03	90.63%	99.99%
0-120	3336.03	90.63%	99.99%
0-180	3336.27	90.63%	100.00%
60-90	38.62	1.05%	1.16%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.59	2669.01	72.51%	80.00%

ZONAL LUMEN SUMMARY

0-10	873.60
10-20	1289.47
20-30	775.83
30-40	265.32
40-50	60.83
50-60	32.37
60-70	22.29
70-80	12.16
80-90	4.17
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:28.4 Right:28.4
:C90/270Left:28.4 Right:28.4

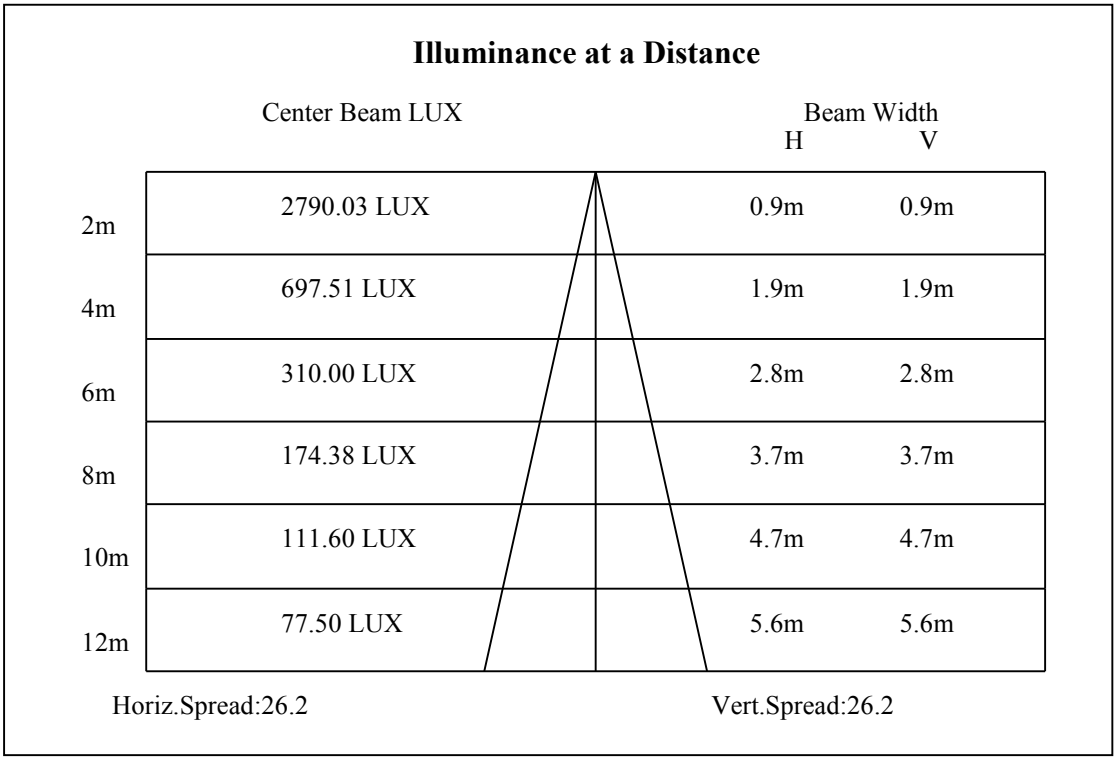
Beam Angle(50%Imax):C0/180Left:13.1 Right:13.1
:C90/270Left:13.1 Right:13.1

Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/19
Humidity(%): 60%

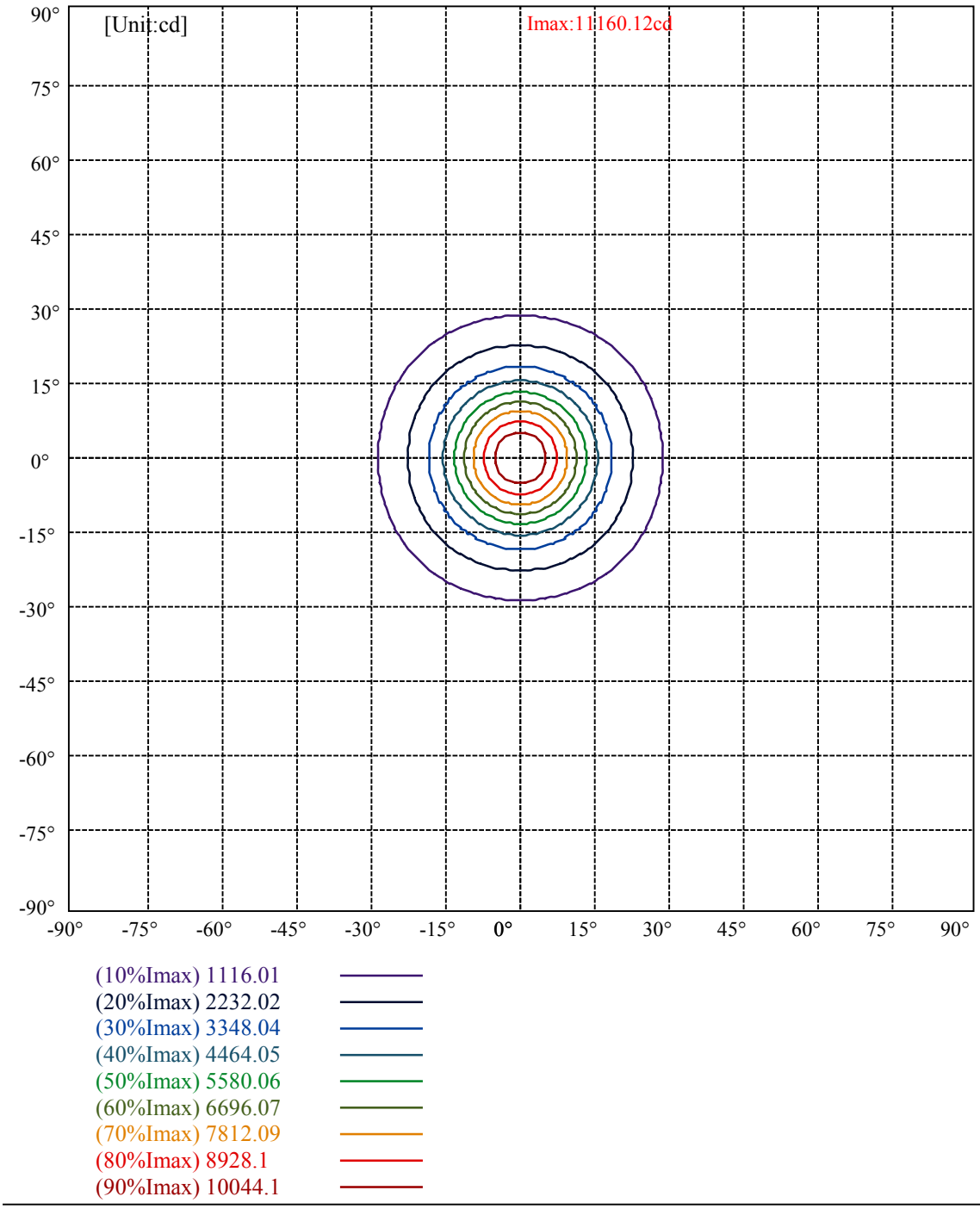
Operator: NT0

Lux distance Curve



Equipment: GMS 1800 Date: 2024/8/19 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

ISO-Intensity(V-H)



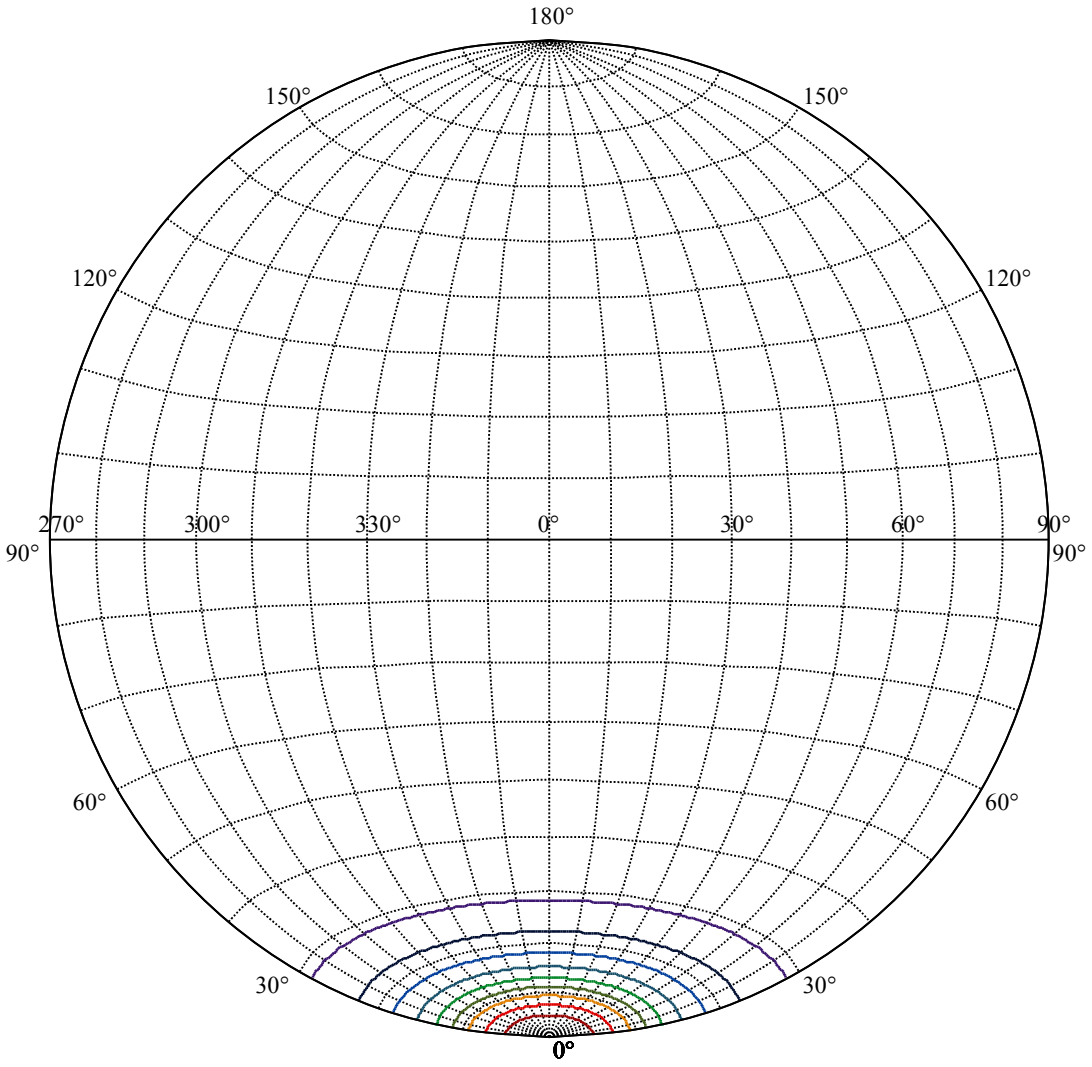
(10%Imax) 1116.01
(20%Imax) 2232.02
(30%Imax) 3348.04
(40%Imax) 4464.05
(50%Imax) 5580.06
(60%Imax) 6696.07
(70%Imax) 7812.09
(80%Imax) 8928.1
(90%Imax) 10044.1

Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/19
Humidity(%): 60%

Operator: NT0

ISO candela diagram on circular web



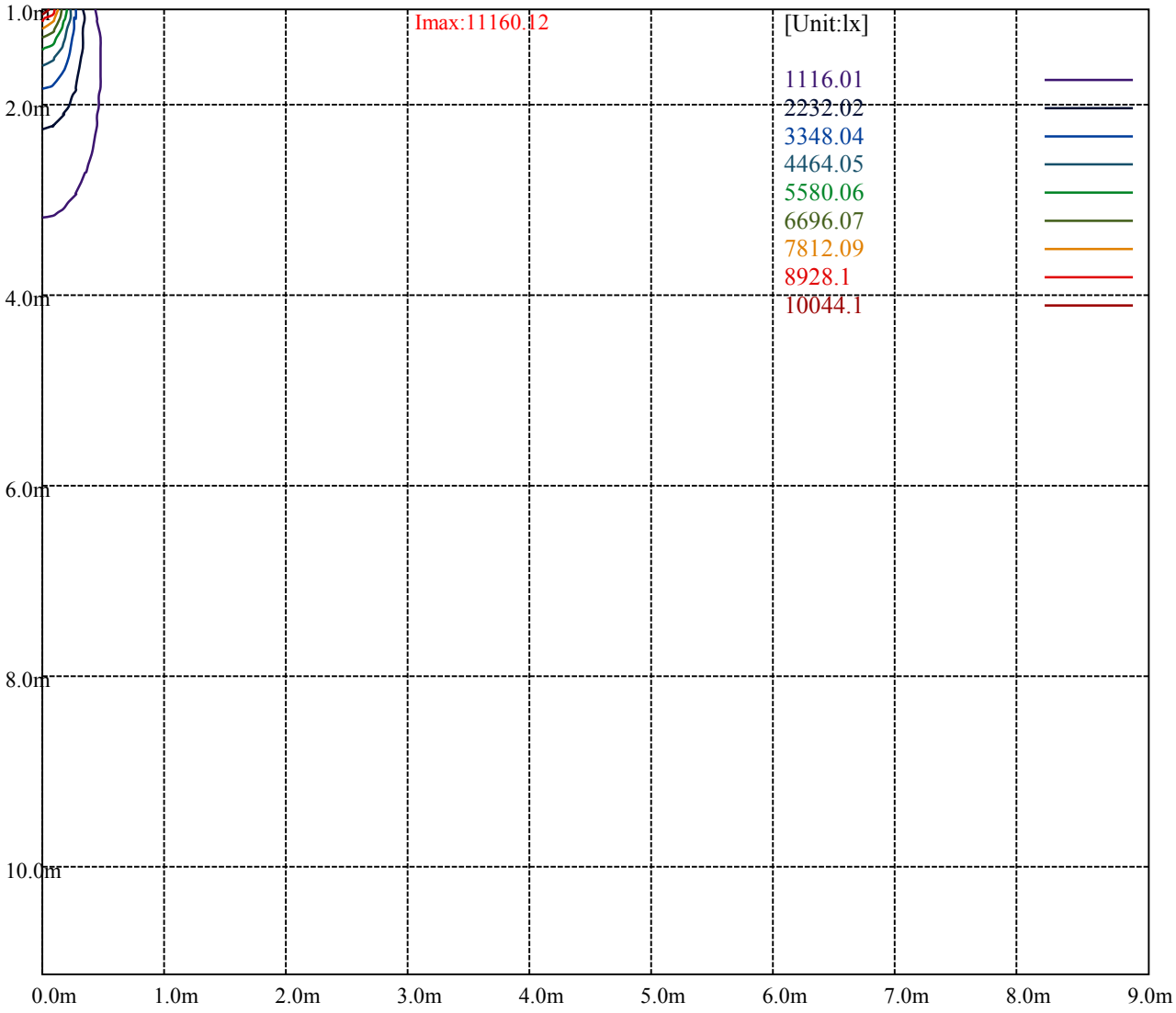
House [Unit:cd] Road

Imax:11160.12

(10%Imax) 1116.01
(20%Imax) 2232.02
(30%Imax) 3348.04
(40%Imax) 4464.05
(50%Imax) 5580.06
(60%Imax) 6696.07
(70%Imax) 7812.09
(80%Imax) 8928.1
(90%Imax) 10044.1

Equipment: GMS 1800 Date: 2024/8/19 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/19
Humidity(%): 60%

Operator: NT0

Nata 2-2519-L

Luminance Limitting Curve(no luminous side)

Luminance Table

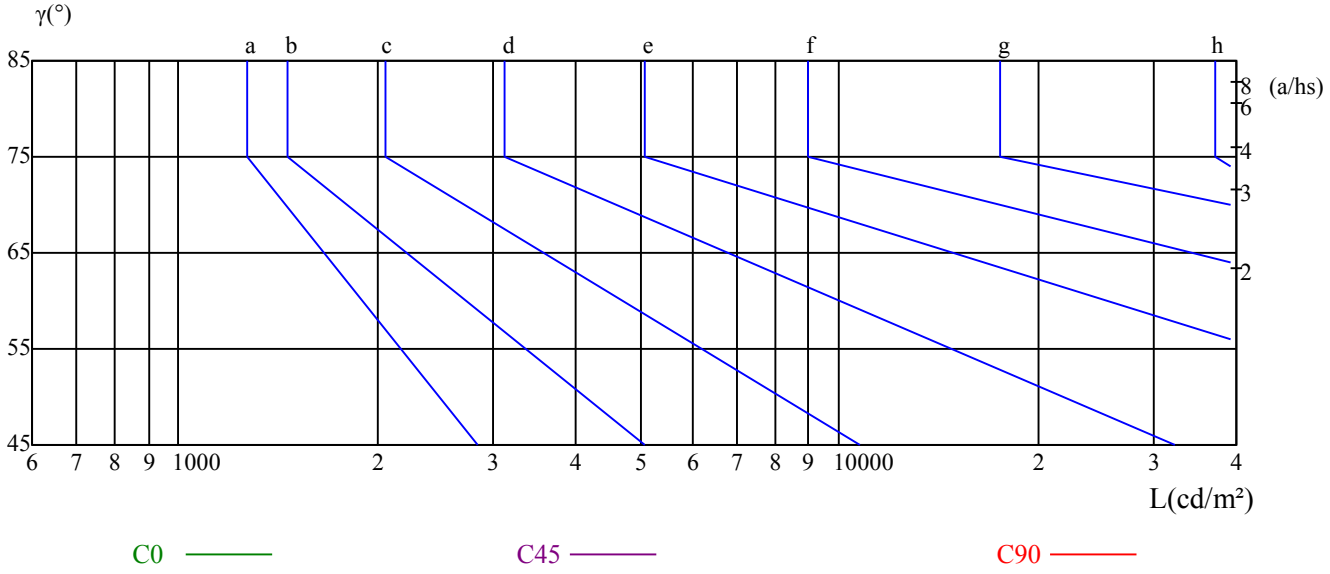
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



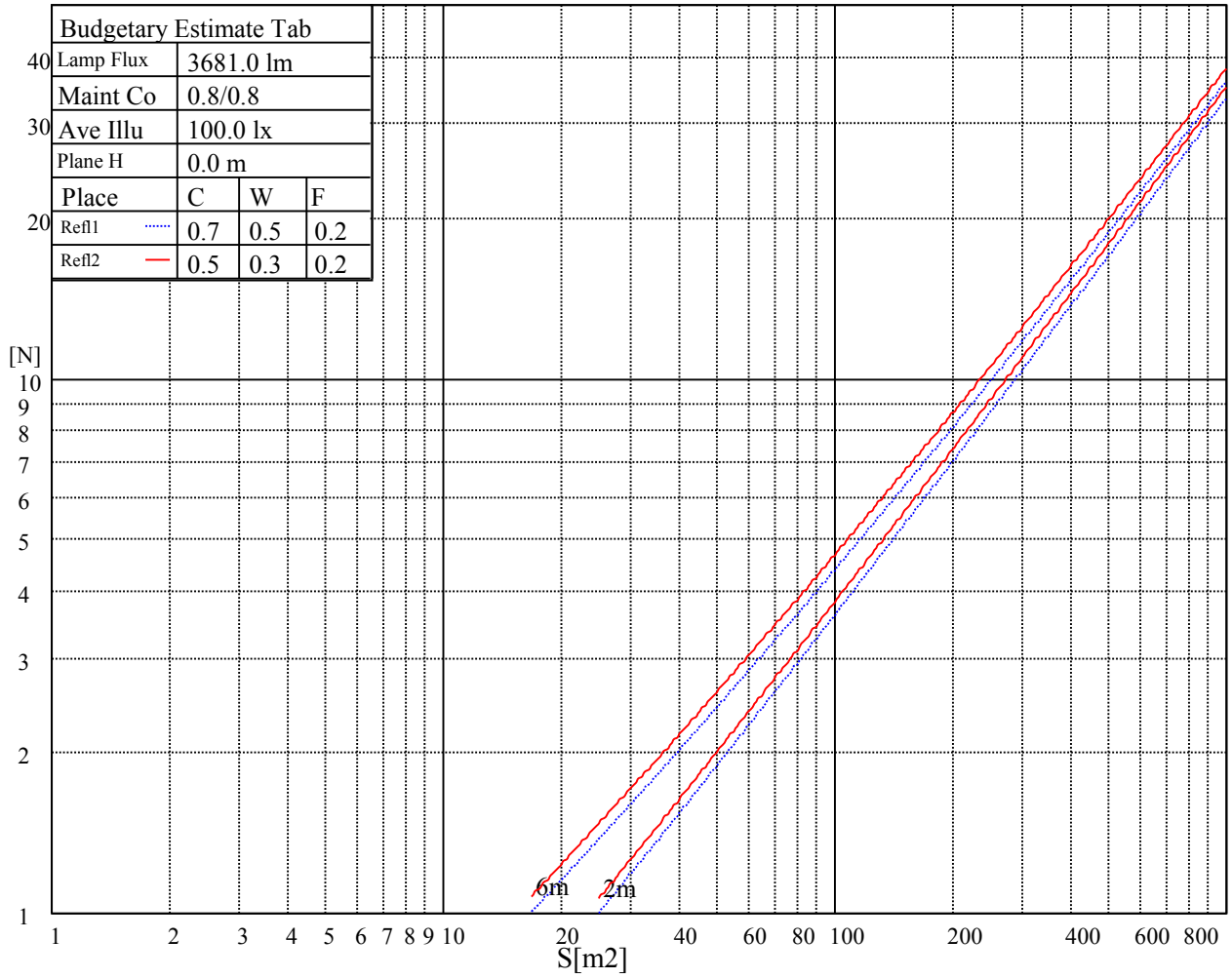
Equipment: GMS 1800 Date: 2024/8/19 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

UGR Glare

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

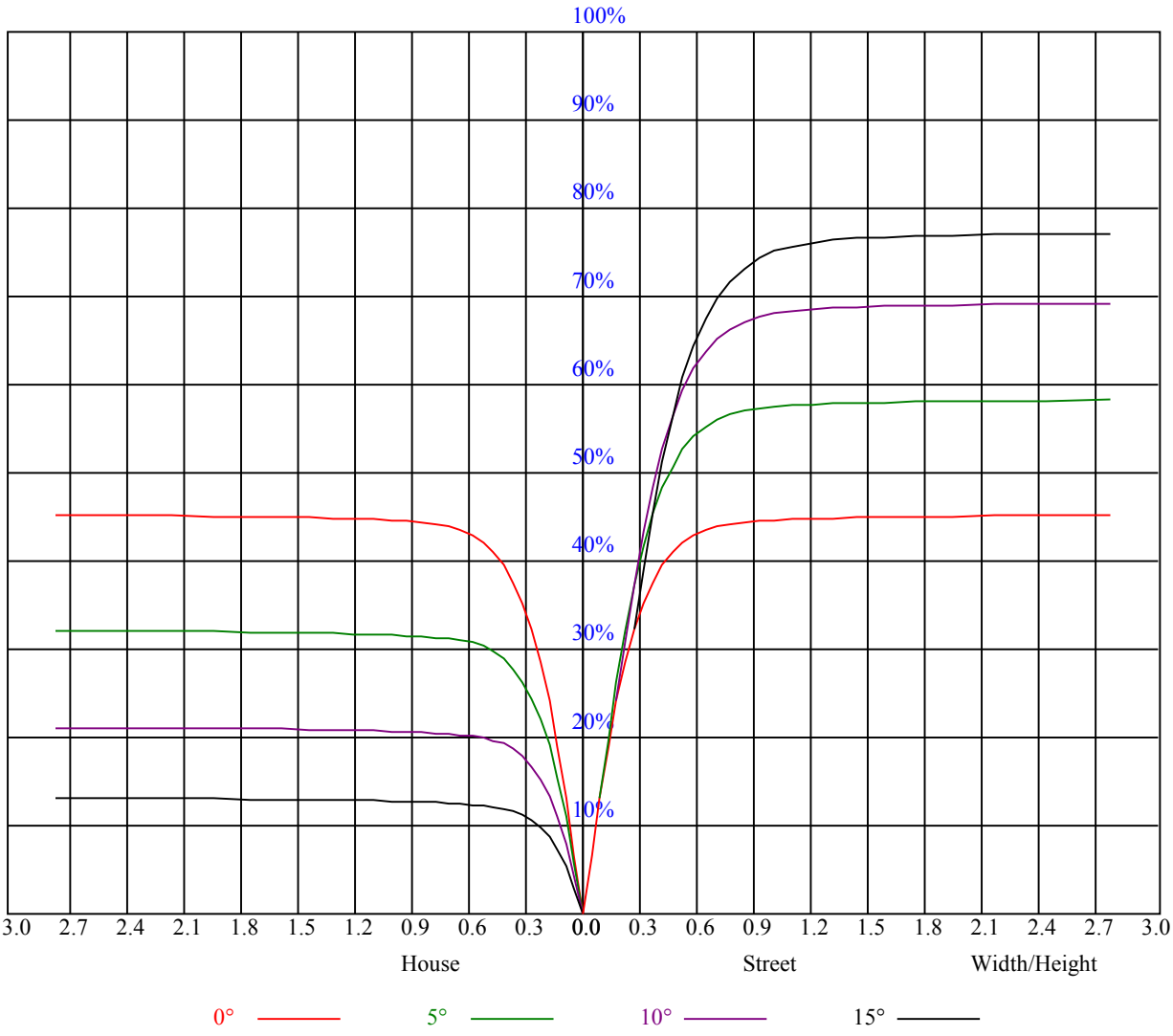


Equipment: GMS 1800 Date: 2024/8/19 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

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	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	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	0.90	0.94	0.92	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.85	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
8	0.73	0.69	0.66	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.63	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59

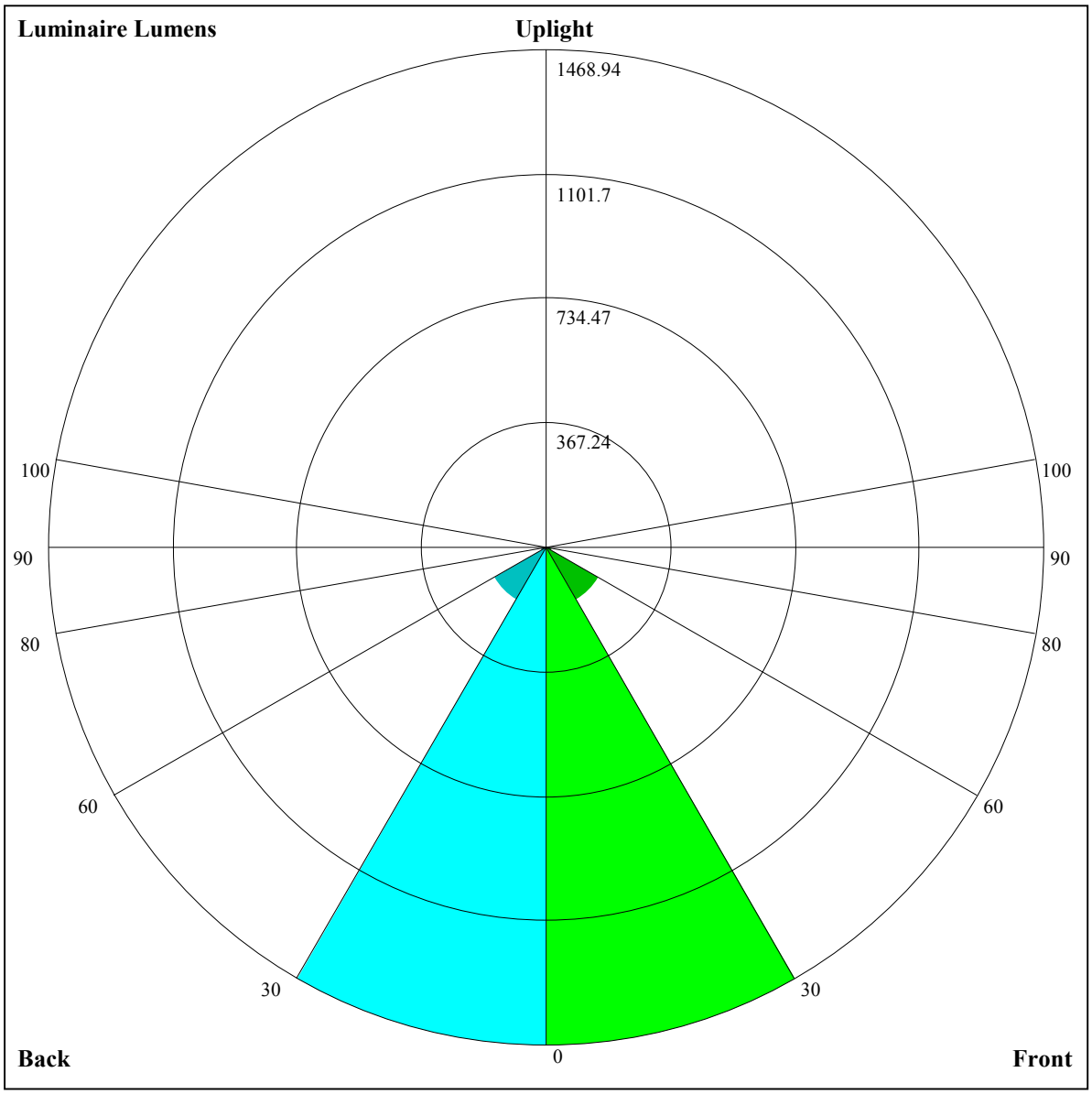
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/19
Humidity(%): 60%

Operator: NT0



Luminaire Lumens:
FL=1468.94,FM=180.89,FH=17.24,FVH=2.21
BL=1468.94,BM=180.89,BH=17.24,BVH=2.21
UL=0,UH=0

BUG Rating:B3-U0-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	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
45.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
90.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
135.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
180.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
225.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
270.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
315.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38
360.0	11160.12	11079.09	11009.45	10747.06	10495.30	10091.84	9594.29	9113.45	8550.38

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
45.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
90.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
135.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
180.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
225.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
270.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
315.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57
360.0	8000.18	7406.24	6801.65	6186.69	5613.85	5109.82	4619.17	4175.26	3808.57

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
45.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
90.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
135.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
180.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
225.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
270.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
315.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72
360.0	3407.07	3100.98	2868.98	2587.24	2295.32	2138.96	1856.21	1620.54	1492.72

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
45.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
90.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
135.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
180.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
225.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
270.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
315.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89
360.0	1305.98	1177.33	1013.67	887.80	775.95	662.08	554.61	469.15	392.89

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
45.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
90.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
135.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
180.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
225.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
270.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
315.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80
360.0	326.24	266.12	221.28	185.93	153.46	122.71	103.73	90.89	79.80

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	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
45.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
90.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
135.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
180.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
225.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
270.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
315.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41
360.0	71.18	65.18	59.61	54.49	50.72	47.19	44.03	41.52	39.41

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
45.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
90.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
135.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
180.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
225.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
270.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
315.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51
360.0	37.34	35.55	34.02	32.50	31.04	29.61	28.04	26.69	25.51

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
45.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
90.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
135.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
180.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
225.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
270.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
315.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15
360.0	24.25	23.19	22.20	21.03	20.22	19.83	19.10	18.27	17.15

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
45.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
90.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
135.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
180.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
225.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
270.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
315.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66
360.0	15.47	13.94	12.16	10.58	9.59	8.80	8.02	7.29	6.66

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
45.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
90.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
135.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
180.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
225.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
270.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
315.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33
360.0	6.05	5.51	4.92	4.36	3.89	3.45	3.02	2.60	2.33

Intensity data(cd)

C/γ(°)	90.0
0.0	2.03
45.0	2.03
90.0	2.03
135.0	2.03
180.0	2.03
225.0	2.03
270.0	2.03
315.0	2.03
360.0	2.03