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

Nata

Client:
LumCAT: 2-2752-L
Luminaire: 92.70.412.00
Report No: 2024823-B013
Ballast type: AC

Test No: 2024823-C013	Voltage(V): 35.300
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.576
Lamp flux(lm): 3311.0	Power (W): 20.330
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3092.00, Efficiency(%): 93.39% , Luminous Efficacy(lm/W): 152.09
Central intensity(cd): 11310.980, Maximum intensity(cd): 11418.930
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=24.6
[C90/270]Total=24.6
Field angle(10%Imax): [C0/180]Total=55.2
[C90/270]Total=55.2
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.39%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.193%

Nata 2-2752-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11310.977	0.000	0	0.00%	0.00%
1.0	11418.927	10.876	10.876	0.33%	0.35%
2.0	11288.973	32.593	43.468	0.98%	1.41%
3.0	10886.706	53.037	96.505	1.60%	3.12%
4.0	10554.701	71.771	168.277	2.17%	5.44%
5.0	10110.495	88.901	257.177	2.69%	8.32%
6.0	9570.679	103.430	360.607	3.12%	11.66%
7.0	8958.496	115.010	475.617	3.47%	15.38%
8.0	8396.741	124.208	599.825	3.75%	19.40%
9.0	7760.111	130.942	730.768	3.95%	23.63%
10.0	7111.148	134.579	865.347	4.06%	27.99%
11.0	6563.880	136.642	1001.989	4.13%	32.41%
12.0	5866.599	135.883	1137.872	4.10%	36.80%
13.0	5283.727	132.326	1270.198	4.00%	41.08%
14.0	4731.722	128.197	1398.395	3.87%	45.23%
15.0	4159.021	122.056	1520.451	3.69%	49.17%
16.0	3694.217	115.072	1635.523	3.48%	52.90%
17.0	3281.004	108.623	1744.146	3.28%	56.41%
18.0	2941.759	102.600	1846.746	3.10%	59.73%
19.0	2687.843	97.944	1944.689	2.96%	62.89%
20.0	2358.762	92.367	2037.056	2.79%	65.88%
21.0	2197.126	87.482	2124.538	2.64%	68.71%
22.0	1908.636	82.507	2207.045	2.49%	71.38%
23.0	1748.741	76.742	2283.787	2.32%	73.86%
24.0	1603.110	73.283	2357.071	2.21%	76.23%
25.0	1443.938	69.283	2426.354	2.09%	78.47%
26.0	1352.137	66.002	2492.355	1.99%	80.61%
27.0	1219.266	62.910	2555.265	1.90%	82.64%
28.0	1086.106	58.367	2613.633	1.76%	84.53%
29.0	986.914	54.236	2667.869	1.64%	86.28%
30.0	869.647	50.127	2717.995	1.51%	87.90%
31.0	759.344	45.332	2763.328	1.37%	89.37%
32.0	657.130	40.580	2803.908	1.23%	90.68%
33.0	550.435	35.575	2839.483	1.07%	91.83%
34.0	462.202	30.645	2870.129	0.93%	92.82%
35.0	391.906	26.525	2896.654	0.80%	93.68%
36.0	326.413	22.871	2919.526	0.69%	94.42%
37.0	285.763	19.966	2939.491	0.60%	95.07%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	234.514	17.366	2956.857	0.52%	95.63%
39.0	196.932	14.726	2971.584	0.44%	96.11%
40.0	168.988	12.762	2984.346	0.39%	96.52%
41.0	130.125	10.651	2994.997	0.32%	96.86%
42.0	108.804	8.681	3003.678	0.26%	97.14%
43.0	89.849	7.359	3011.037	0.22%	97.38%
44.0	74.310	6.196	3017.232	0.19%	97.58%
45.0	63.791	5.307	3022.54	0.16%	97.75%
46.0	55.145	4.651	3027.191	0.14%	97.90%
47.0	48.318	4.115	3031.306	0.12%	98.04%
48.0	43.371	3.707	3035.013	0.11%	98.16%
49.0	39.875	3.419	3038.431	0.10%	98.27%
50.0	36.774	3.196	3041.627	0.10%	98.37%
51.0	34.461	3.014	3044.641	0.09%	98.47%
52.0	32.523	2.874	3047.515	0.09%	98.56%
53.0	30.966	2.762	3050.277	0.08%	98.65%
54.0	29.448	2.663	3052.94	0.08%	98.74%
55.0	28.075	2.568	3055.507	0.08%	98.82%
56.0	26.892	2.484	3057.991	0.08%	98.90%
57.0	25.591	2.400	3060.391	0.07%	98.98%
58.0	24.376	2.311	3062.702	0.07%	99.05%
59.0	23.088	2.219	3064.921	0.07%	99.12%
60.0	21.702	2.116	3067.037	0.06%	99.19%
61.0	20.421	2.010	3069.047	0.06%	99.26%
62.0	19.080	1.903	3070.95	0.06%	99.32%
63.0	17.792	1.793	3072.743	0.05%	99.38%
64.0	16.629	1.689	3074.433	0.05%	99.43%
65.0	15.315	1.581	3076.013	0.05%	99.48%
66.0	14.166	1.471	3077.484	0.04%	99.53%
67.0	13.147	1.373	3078.858	0.04%	99.58%
68.0	12.116	1.280	3080.137	0.04%	99.62%
69.0	11.117	1.185	3081.323	0.04%	99.65%
70.0	10.204	1.095	3082.418	0.03%	99.69%
71.0	9.290	1.008	3083.425	0.03%	99.72%
72.0	8.502	0.925	3084.35	0.03%	99.75%
73.0	7.786	0.852	3085.202	0.03%	99.78%
74.0	7.122	0.784	3085.986	0.02%	99.81%
75.0	6.537	0.722	3086.708	0.02%	99.83%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.979	0.664	3087.372	0.02%	99.85%
77.0	5.486	0.611	3087.983	0.02%	99.87%
78.0	4.980	0.560	3088.544	0.02%	99.89%
79.0	4.514	0.510	3089.054	0.02%	99.90%
80.0	4.080	0.463	3089.517	0.01%	99.92%
81.0	3.647	0.418	3089.935	0.01%	99.93%
82.0	3.246	0.374	3090.309	0.01%	99.95%
83.0	2.891	0.334	3090.642	0.01%	99.96%
84.0	2.510	0.294	3090.936	0.01%	99.97%
85.0	2.175	0.256	3091.192	0.01%	99.97%
86.0	1.873	0.221	3091.413	0.01%	99.98%
87.0	1.557	0.188	3091.601	0.01%	99.99%
88.0	1.268	0.155	3091.756	0.00%	99.99%
89.0	1.091	0.129	3091.885	0.00%	100.00%
90.0	0.966	0.113	3091.998	0.00%	100.00%

Zonal flux distribution table

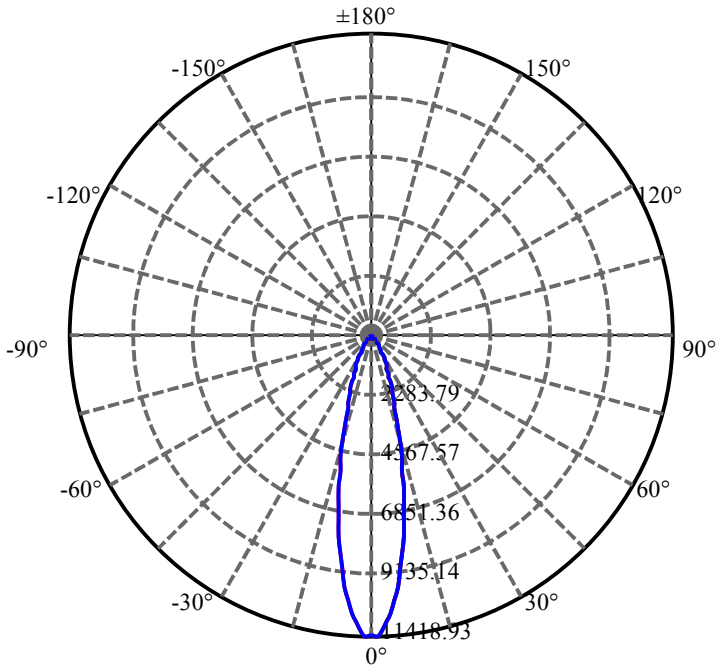
ZONAL LUMEN SUMMARY

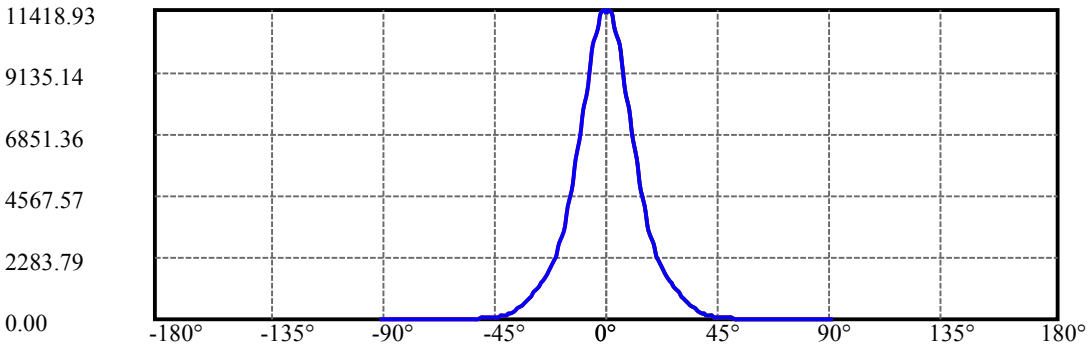
Zone	Lumens	%Lamp	%Fixt
0-30	2718.00	82.09%	87.90%
0-40	2984.35	90.13%	96.52%
0-60	3067.04	92.63%	99.19%
0-90	3091.89	93.38%	100.00%
0-120	3091.89	93.38%	100.00%
0-180	3092.00	93.39%	100.00%
60-90	24.85	0.75%	0.80%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.72	2473.60	74.71%	80.00%

ZONAL LUMEN SUMMARY

0-10	865.35
10-20	1171.71
20-30	680.94
30-40	266.35
40-50	57.28
50-60	25.41
60-70	15.38
70-80	7.10
80-90	2.37
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):

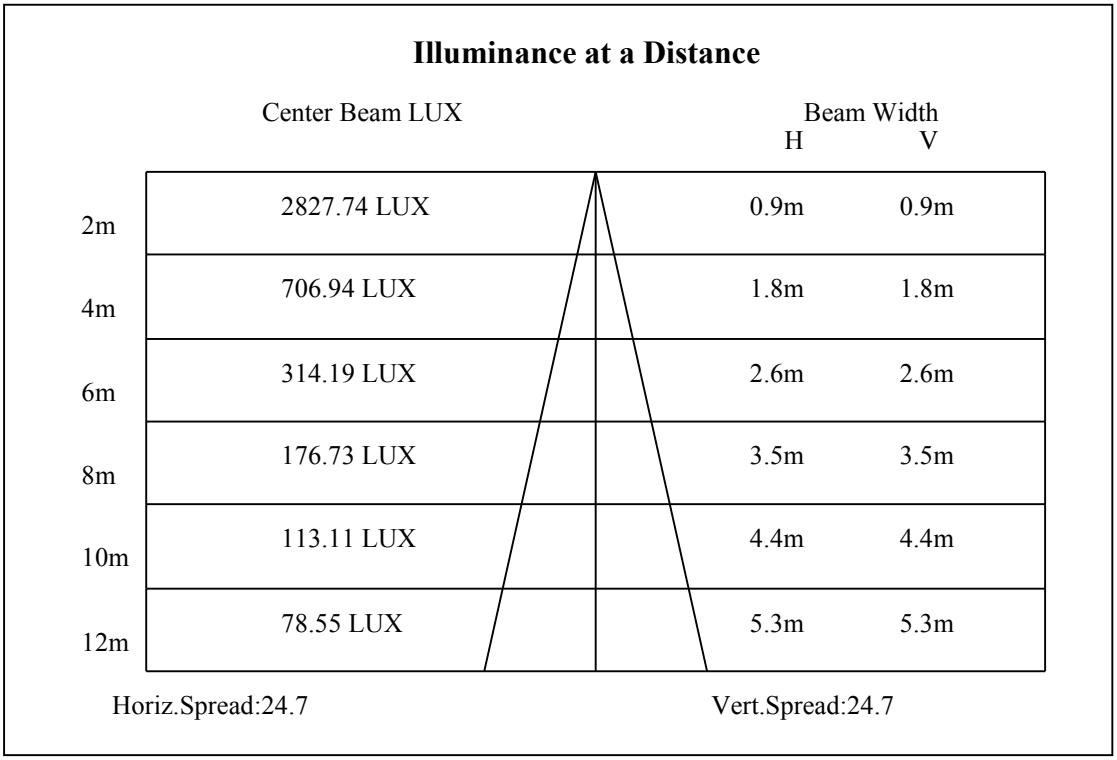
C0/C180:

C90/C270:

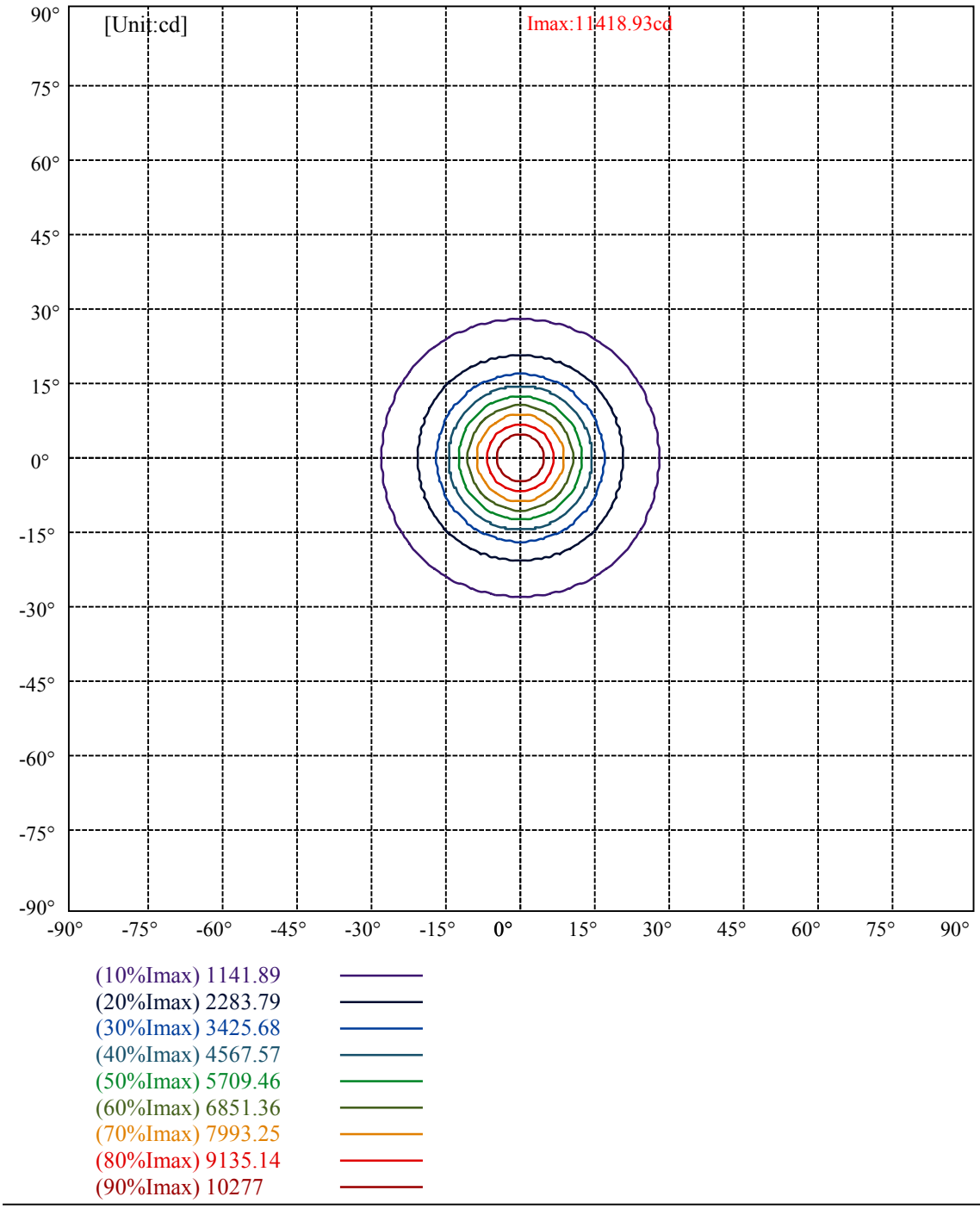
Field angle(10%Imax):C0/180Left:28.6 Right:26.6
:C90/270Left:28.6 Right:26.6

Beam Angle(50%Imax):C0/180Left:13.3 Right:11.3
:C90/270Left:13.3 Right:11.3

Lux distance Curve



ISO-Intensity(V-H)



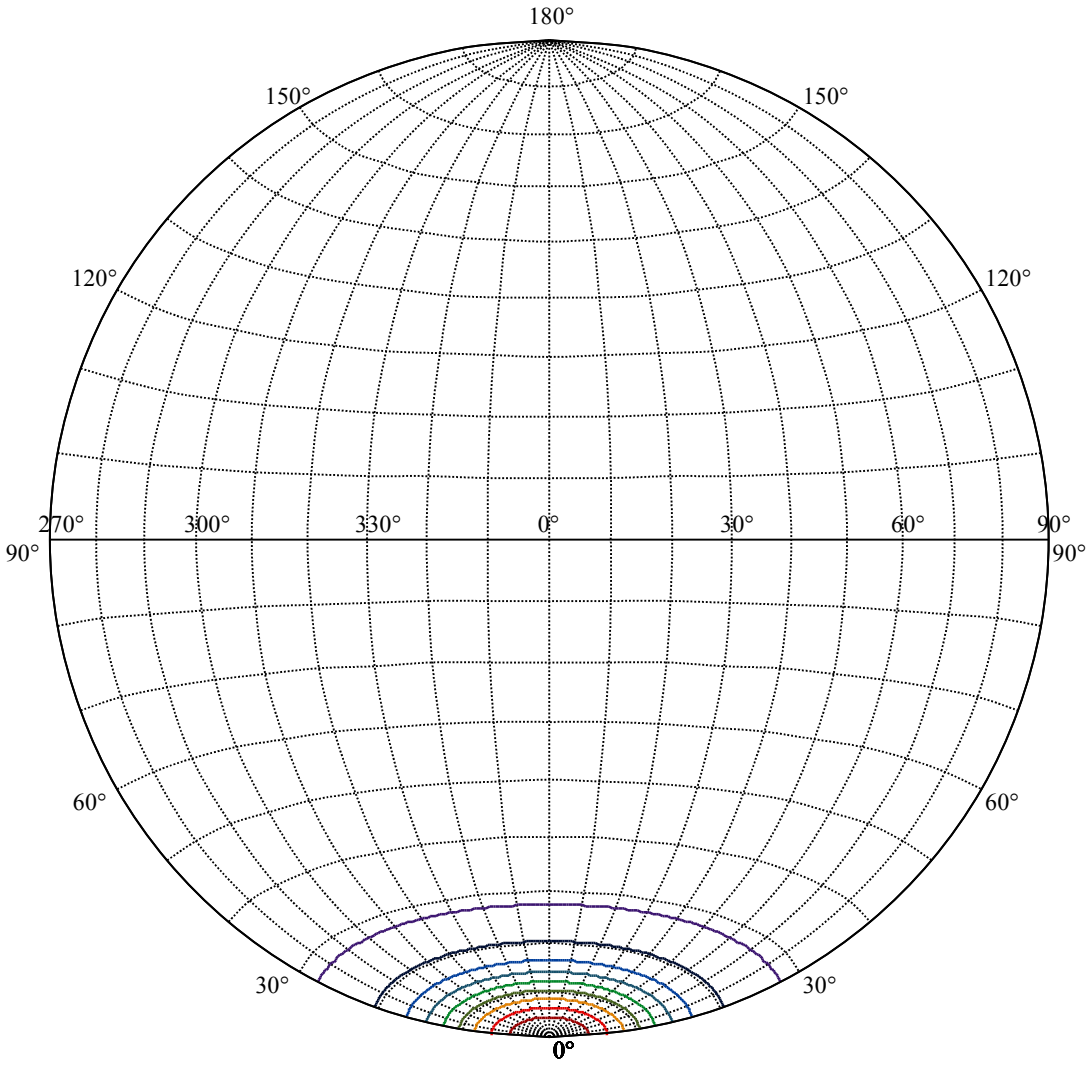
(10%Imax) 1141.89
(20%Imax) 2283.79
(30%Imax) 3425.68
(40%Imax) 4567.57
(50%Imax) 5709.46
(60%Imax) 6851.36
(70%Imax) 7993.25
(80%Imax) 9135.14
(90%Imax) 10277

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:11418.93

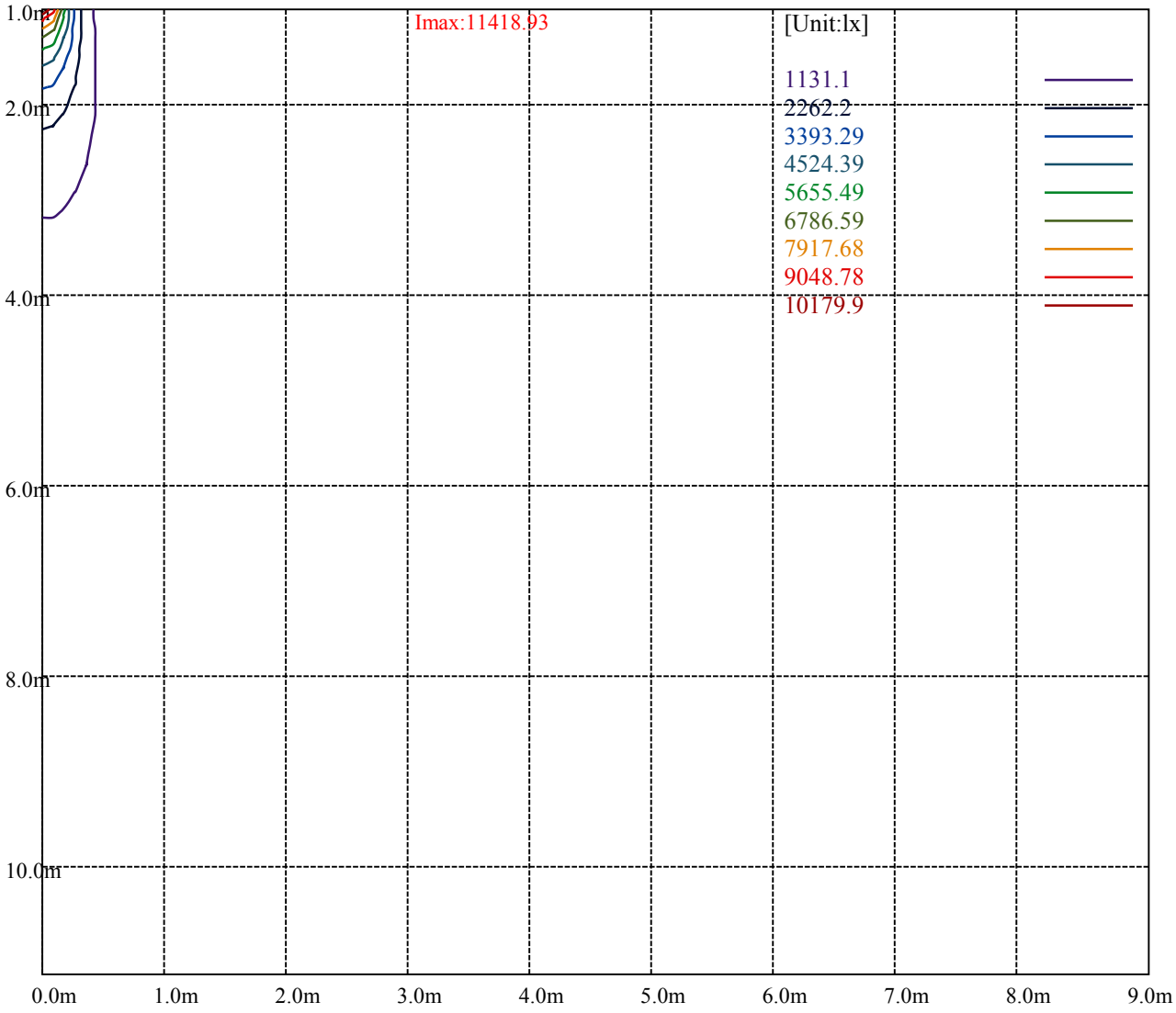
(10%Imax) 1141.89
(20%Imax) 2283.79
(30%Imax) 3425.68
(40%Imax) 4567.57
(50%Imax) 5709.46
(60%Imax) 6851.36
(70%Imax) 7993.25
(80%Imax) 9135.14
(90%Imax) 10277

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Luminance Limitting Curve(no luminous side)

Luminance Table

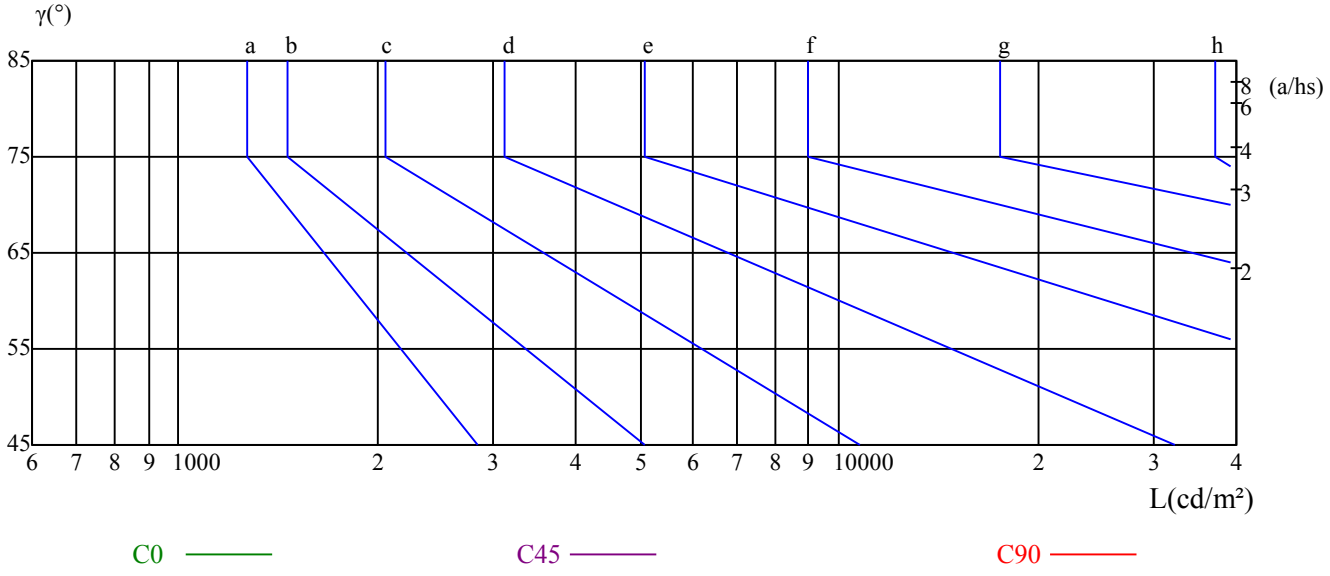
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

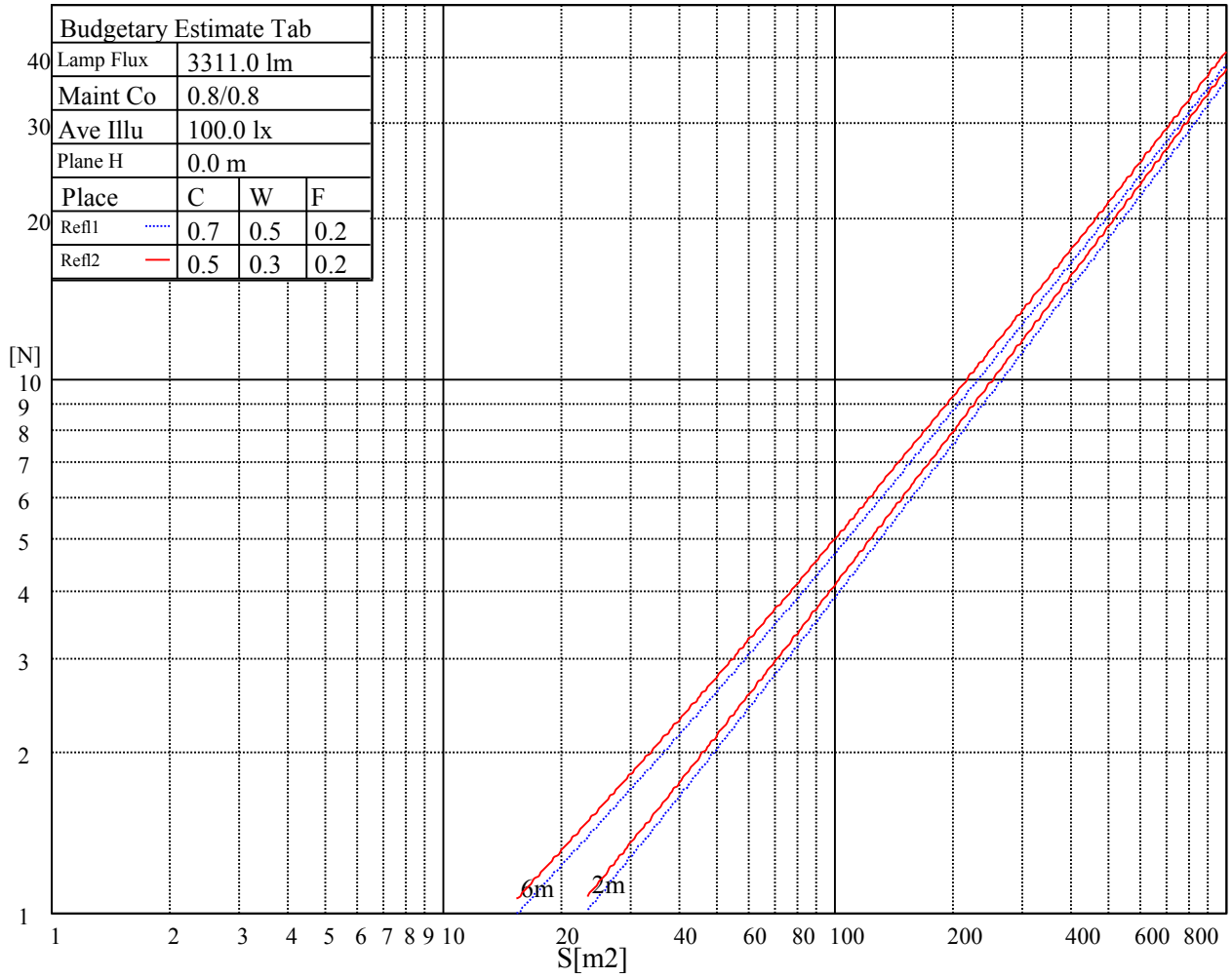


UGR Glare

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

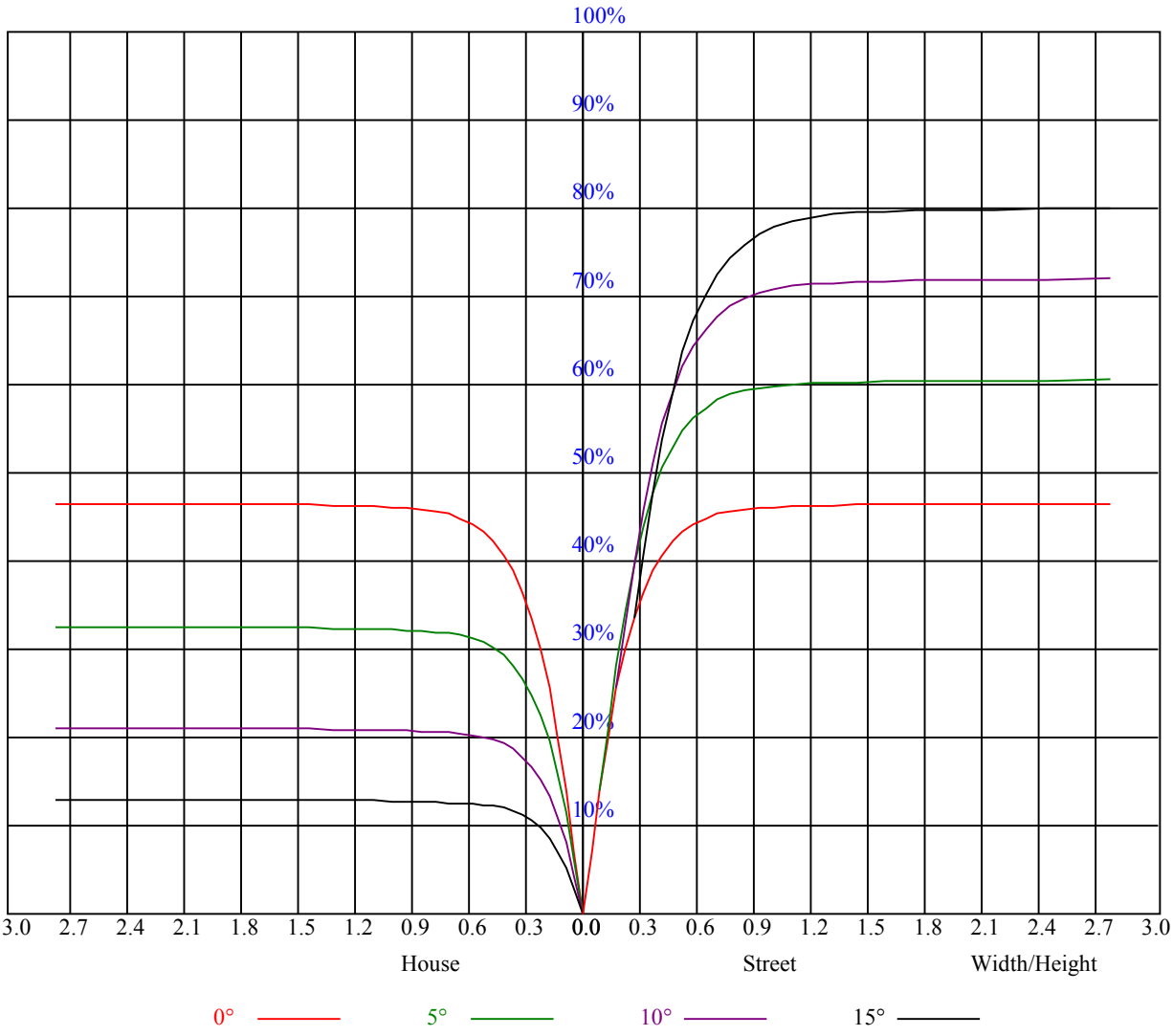


Equipment: GMS 1800 Date: 2024/8/23 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.25

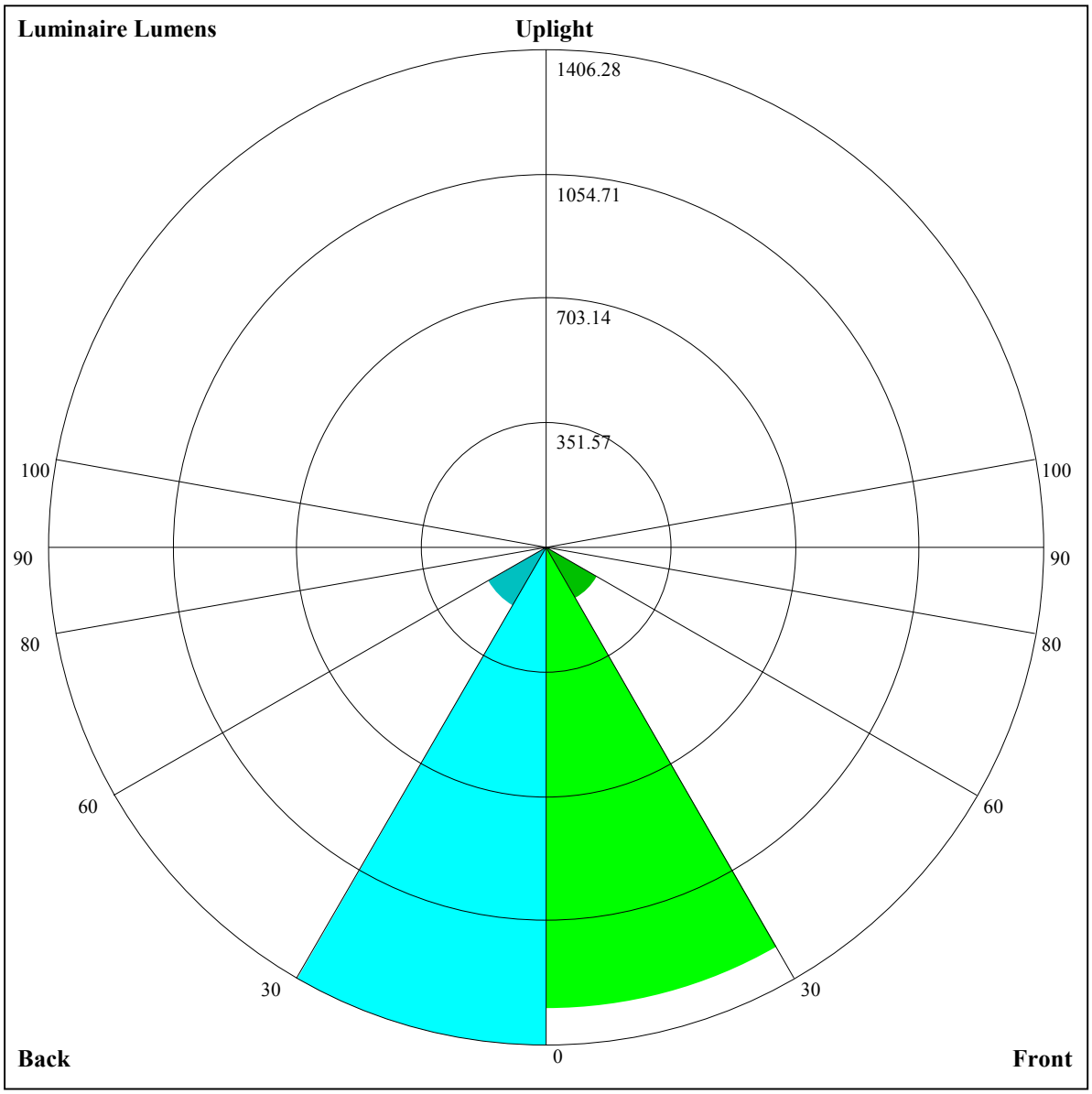
Utilization factor table for indoor luminaire

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.95	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.85	0.82	0.89	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.75
6	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/23	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=1303.5,FM=166.75,FH=10.99,FVH=1.19
BL=1406.28,BM=189.28,BH=11.55,BVH=1.32
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	11021.52	11021.52	10619.83	10132.32	9586.82	9242.48	8646.32	7754.86	7354.28
45.0	11603.49	11480.91	11224.62	10834.60	10349.87	9792.71	9252.26	8644.95	7998.65
90.0	10987.56	10987.56	10711.76	10186.35	9622.51	9010.16	8386.14	7875.23	7210.00
135.0	11631.35	11514.34	11280.33	10918.18	10450.16	10015.57	9452.84	8728.53	8238.23
180.0	11021.52	11486.48	11497.63	11386.19	11146.61	10790.03	10322.01	9837.28	9291.26
225.0	11603.49	11636.92	11564.49	10992.03	10992.03	10529.00	9998.60	9434.76	8859.72
270.0	10987.56	11597.92	11653.63	11586.77	11391.77	11079.75	10645.17	10127.01	9580.99
315.0	11631.35	11625.77	11759.49	11057.21	10897.84	10424.25	9862.09	9265.35	8640.80
360.0	11021.52	11021.52	10619.83	10132.32	9586.82	9242.48	8646.32	7754.86	7354.28

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6692.94	6044.37	5411.47	4825.34	4266.50	3758.38	3300.35	2914.28	2596.11
45.0	7296.62	6633.60	6004.00	5402.27	4800.53	4215.51	3702.92	3251.62	2867.18
90.0	6547.50	5894.52	5267.13	4680.48	4130.52	3624.08	3172.20	2793.91	2491.36
135.0	7586.35	6928.89	6282.59	5636.28	5034.54	4449.52	3914.64	3441.06	3034.33
180.0	8722.96	8110.08	7725.64	6806.32	6410.73	5770.00	4911.97	4560.95	4014.93
225.0	8239.07	7571.00	6887.95	6237.17	5586.40	4994.12	4424.71	3907.65	3602.90
270.0	8990.40	8355.23	7981.93	7318.91	6394.02	6004.00	5379.98	4767.10	4209.94
315.0	8005.06	7351.50	6950.34	6026.03	5646.58	5038.17	4465.39	3917.17	3431.28
360.0	6692.94	6044.37	5411.47	4825.34	4266.50	3758.38	3300.35	2914.28	2596.11

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2329.78	2108.60	1912.49	1750.91	1608.25	1472.33	1392.07	1103.08	1103.08
45.0	2867.18	2800.32	2158.16	1958.74	1787.13	1636.11	1500.19	1373.72	1249.99
90.0	2244.52	2026.13	1839.48	1685.73	1545.28	1411.57	1246.68	1105.23	1105.23
135.0	2811.46	2811.46	2262.40	1967.62	1798.79	1705.23	1566.47	1437.22	1310.17
180.0	3530.20	3117.90	2889.47	2889.47	2231.17	2024.44	1849.52	1691.83	1555.32
225.0	3038.48	2702.55	2527.57	2281.32	2057.87	1876.27	1725.26	1585.44	1452.83
270.0	3691.78	3257.19	2878.32	2878.32	2270.17	2058.45	1885.73	1727.52	1640.58
315.0	3020.66	2678.59	2402.21	2164.89	1970.41	1805.52	1658.98	1527.47	1399.90
360.0	2329.78	2108.60	1912.49	1750.91	1608.25	1472.33	1392.07	1103.08	1103.08

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1008.83	888.67	769.09	651.41	543.50	487.10	382.50	323.31	271.64
45.0	1126.89	1007.62	888.99	766.41	652.72	550.75	458.29	384.18	334.03
90.0	988.39	868.81	749.23	632.69	528.36	441.68	372.30	313.80	262.23
135.0	1193.75	1076.16	956.95	835.48	715.11	599.27	499.50	415.40	347.96
180.0	1428.28	1329.67	1187.60	1093.98	976.98	832.12	734.09	617.61	512.90
225.0	1324.10	1070.12	1070.12	947.65	822.08	749.23	594.48	494.25	445.26
270.0	1451.72	1377.03	1250.57	1127.99	1006.52	887.31	766.41	651.62	544.07
315.0	1232.17	1070.75	1022.76	901.55	829.49	709.59	595.90	497.45	417.14
360.0	1008.83	888.67	769.09	651.41	543.50	487.10	382.50	323.31	271.64

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	244.05	188.80	168.67	138.98	106.33	95.09	79.11	66.44	57.03
45.0	280.53	280.53	195.80	161.16	132.30	110.54	92.40	77.53	65.55
90.0	218.13	180.08	147.70	121.37	104.02	83.26	69.70	61.45	52.25
135.0	288.36	288.36	235.69	153.64	136.08	111.49	91.98	75.85	63.29
180.0	428.17	358.53	300.60	290.04	237.64	170.25	151.38	114.74	94.35
225.0	347.70	313.75	260.13	216.61	178.29	146.18	118.90	98.34	81.05
270.0	453.25	381.39	321.21	289.46	289.46	186.81	154.32	132.14	104.81
315.0	351.12	294.67	246.31	204.21	167.78	137.40	112.64	92.30	76.16
360.0	244.05	188.80	168.67	138.98	106.33	95.09	79.11	66.44	57.03

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	50.09	44.73	41.00	38.21	35.95	33.90	31.96	30.49	29.22
45.0	57.45	51.04	45.89	42.05	40.11	36.48	35.11	32.96	31.33
90.0	47.62	42.89	39.26	37.00	34.74	32.69	30.70	29.33	28.38
135.0	54.19	47.36	42.10	38.21	35.58	33.69	31.91	30.17	28.80
180.0	83.84	69.33	58.45	50.57	44.68	40.16	37.00	34.69	32.64
225.0	67.17	57.08	49.67	44.42	40.26	37.32	34.80	32.75	31.75
270.0	86.47	74.64	62.81	54.19	47.62	42.84	39.37	36.85	34.48
315.0	63.50	54.09	47.36	42.31	40.05	37.11	34.85	32.96	31.12
360.0	50.09	44.73	41.00	38.21	35.95	33.90	31.96	30.49	29.22

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.96	26.44	24.97	23.81	22.55	20.97	19.61	17.98	17.19
45.0	30.01	28.80	27.33	25.91	24.55	23.29	21.76	20.18	18.66
90.0	27.17	25.55	24.28	23.34	22.18	20.60	18.87	17.66	16.61
135.0	27.86	26.81	25.49	24.13	23.13	22.50	20.66	19.61	18.08
180.0	30.75	29.22	28.23	27.28	26.12	24.65	23.39	22.39	21.18
225.0	29.70	28.38	27.81	26.02	25.12	23.97	22.76	21.50	19.92
270.0	32.54	30.85	29.54	28.23	26.86	25.28	24.02	23.13	21.81
315.0	29.59	28.54	27.49	26.02	24.49	23.44	22.55	20.92	19.19
360.0	27.96	26.44	24.97	23.81	22.55	20.97	19.61	17.98	17.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.03	14.61	13.25	12.35	11.62	10.67	9.46	8.57	7.94
45.0	17.66	16.45	15.09	13.67	12.67	11.77	10.72	9.62	8.78
90.0	15.51	14.61	12.83	11.93	11.35	10.41	9.25	8.41	7.73
135.0	17.03	15.98	14.82	13.40	12.35	11.51	10.67	9.62	8.62
180.0	19.55	18.03	16.98	16.14	14.72	13.40	12.56	11.67	10.72
225.0	18.50	17.40	16.35	15.03	13.61	12.67	11.83	10.88	9.72
270.0	20.13	19.03	17.40	16.35	15.72	14.24	13.04	12.19	11.35
315.0	17.92	16.93	15.82	14.45	13.14	12.25	11.41	10.67	9.46
360.0	16.03	14.61	13.25	12.35	11.62	10.67	9.46	8.57	7.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.36	6.73	6.10	5.62	5.15	4.63	4.10	3.68	3.26
45.0	8.09	7.57	6.78	6.36	5.83	5.31	4.84	4.31	3.89
90.0	7.10	6.57	5.99	5.47	4.99	4.57	4.10	3.68	3.26
135.0	7.94	7.36	6.78	6.10	5.62	5.20	4.73	4.26	3.89
180.0	9.72	8.78	8.04	7.41	6.78	6.20	5.68	5.15	4.73
225.0	8.83	8.20	7.52	6.89	6.25	5.89	5.41	4.89	4.47
270.0	10.30	9.15	8.46	7.78	7.10	6.52	5.94	5.52	4.99
315.0	8.67	7.94	7.31	6.68	6.10	5.57	5.05	4.63	4.15
360.0	7.36	6.73	6.10	5.62	5.15	4.63	4.10	3.68	3.26

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.89	2.52	2.26	2.00	1.73	1.47	1.16	0.84	0.89
45.0	3.47	3.00	2.68	2.26	1.94	1.68	1.31	1.00	0.79
90.0	2.94	2.63	2.26	1.94	1.73	1.42	1.16	0.84	0.95
135.0	3.36	3.05	2.73	2.37	2.05	1.79	1.47	1.16	0.84
180.0	4.31	3.89	3.47	3.00	2.63	2.21	1.89	1.68	1.42
225.0	3.94	3.57	3.15	2.79	2.37	2.10	1.73	1.42	1.21
270.0	4.52	3.99	3.57	3.10	2.73	2.31	2.05	1.79	1.47
315.0	3.73	3.31	3.00	2.63	2.21	2.00	1.68	1.42	1.16
360.0	2.89	2.52	2.26	2.00	1.73	1.47	1.16	0.84	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.79
90.0	0.95
135.0	0.89
180.0	1.05
225.0	1.00
270.0	1.16
315.0	1.00
360.0	0.89