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Nata

Client:
LumCAT: 2-2756-L
Luminaire: 92.70.412.00
Report No: 2024823-B014
Ballast type: AC

Test No: 2024823-C014	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): 3060.38, Efficiency(%): 92.43% , Luminous Efficacy(lm/W): 150.54
Central intensity(cd): 6589.997, Maximum intensity(cd): 6589.997
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.2
[C90/270]Total=37.2
Field angle(10%Imax): [C0/180]Total=68.0
[C90/270]Total=68.0
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.63 C90_270=0.63
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.43%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.393%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6589.997	0.000	0	0.00%	0.00%
1.0	6575.924	6.300	6.3	0.19%	0.21%
2.0	6536.640	18.820	25.12	0.57%	0.82%
3.0	6467.007	31.100	56.22	0.94%	1.84%
4.0	6387.250	43.027	99.248	1.30%	3.24%
5.0	6254.300	54.383	153.631	1.64%	5.02%
6.0	6123.433	65.048	218.679	1.96%	7.15%
7.0	5955.101	74.971	293.651	2.26%	9.60%
8.0	5755.081	83.808	377.458	2.53%	12.33%
9.0	5560.922	91.710	469.168	2.77%	15.33%
10.0	5341.671	98.664	567.833	2.98%	18.55%
11.0	5111.072	104.444	672.277	3.15%	21.97%
12.0	4875.533	109.168	781.445	3.30%	25.53%
13.0	4639.705	112.922	894.367	3.41%	29.22%
14.0	4398.266	115.685	1010.052	3.49%	33.00%
15.0	4151.991	117.382	1127.434	3.55%	36.84%
16.0	3926.760	118.376	1245.81	3.58%	40.71%
17.0	3662.588	118.187	1363.997	3.57%	44.57%
18.0	3453.724	117.333	1481.329	3.54%	48.40%
19.0	3207.180	115.886	1597.215	3.50%	52.19%
20.0	2960.425	112.884	1710.1	3.41%	55.88%
21.0	2759.301	109.830	1819.93	3.32%	59.47%
22.0	2540.884	106.509	1926.439	3.22%	62.95%
23.0	2351.870	102.663	2029.103	3.10%	66.30%
24.0	2164.872	98.752	2127.855	2.98%	69.53%
25.0	2004.753	94.808	2222.663	2.86%	72.63%
26.0	1839.977	90.755	2313.418	2.74%	75.59%
27.0	1680.844	86.138	2399.556	2.60%	78.41%
28.0	1500.061	80.534	2480.09	2.43%	81.04%
29.0	1387.591	75.549	2555.639	2.28%	83.51%
30.0	1212.183	70.193	2625.832	2.12%	85.80%
31.0	1051.513	62.995	2688.828	1.90%	87.86%
32.0	923.911	56.594	2745.421	1.71%	89.71%
33.0	787.925	50.431	2795.852	1.52%	91.36%
34.0	652.235	43.583	2839.436	1.32%	92.78%
35.0	526.091	36.594	2876.03	1.11%	93.98%
36.0	419.429	30.106	2906.136	0.91%	94.96%
37.0	329.258	24.418	2930.554	0.74%	95.76%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	250.927	19.366	2949.92	0.58%	96.39%
39.0	180.276	14.718	2964.638	0.44%	96.87%
40.0	150.099	11.522	2976.16	0.35%	97.25%
41.0	113.778	9.397	2985.557	0.28%	97.56%
42.0	83.771	7.177	2992.734	0.22%	97.79%
43.0	70.881	5.729	2998.463	0.17%	97.98%
44.0	60.256	4.949	3003.412	0.15%	98.14%
45.0	53.397	4.368	3007.78	0.13%	98.28%
46.0	47.129	3.931	3011.711	0.12%	98.41%
47.0	41.794	3.537	3015.248	0.11%	98.53%
48.0	37.201	3.193	3018.441	0.10%	98.63%
49.0	33.226	2.892	3021.334	0.09%	98.72%
50.0	29.862	2.630	3023.964	0.08%	98.81%
51.0	27.017	2.406	3026.37	0.07%	98.89%
52.0	24.704	2.219	3028.59	0.07%	98.96%
53.0	22.497	2.053	3030.643	0.06%	99.03%
54.0	20.940	1.914	3032.558	0.06%	99.09%
55.0	19.218	1.793	3034.35	0.05%	99.15%
56.0	17.700	1.668	3036.018	0.05%	99.20%
57.0	16.675	1.572	3037.59	0.05%	99.26%
58.0	15.460	1.486	3039.076	0.04%	99.30%
59.0	14.553	1.403	3040.479	0.04%	99.35%
60.0	13.607	1.330	3041.81	0.04%	99.39%
61.0	12.773	1.259	3043.069	0.04%	99.43%
62.0	12.057	1.196	3044.265	0.04%	99.47%
63.0	11.406	1.141	3045.406	0.03%	99.51%
64.0	10.769	1.088	3046.494	0.03%	99.55%
65.0	10.177	1.037	3047.531	0.03%	99.58%
66.0	9.652	0.989	3048.52	0.03%	99.61%
67.0	9.139	0.945	3049.465	0.03%	99.64%
68.0	8.666	0.902	3050.367	0.03%	99.67%
69.0	8.187	0.860	3051.227	0.03%	99.70%
70.0	7.746	0.818	3052.045	0.02%	99.73%
71.0	7.313	0.778	3052.823	0.02%	99.75%
72.0	6.879	0.738	3053.561	0.02%	99.78%
73.0	6.472	0.698	3054.26	0.02%	99.80%
74.0	6.064	0.659	3054.919	0.02%	99.82%
75.0	5.657	0.619	3055.538	0.02%	99.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.283	0.581	3056.119	0.02%	99.86%
77.0	4.869	0.541	3056.66	0.02%	99.88%
78.0	4.474	0.500	3057.16	0.02%	99.89%
79.0	4.054	0.458	3057.618	0.01%	99.91%
80.0	3.739	0.420	3058.038	0.01%	99.92%
81.0	3.364	0.384	3058.422	0.01%	99.94%
82.0	2.989	0.345	3058.767	0.01%	99.95%
83.0	2.674	0.308	3059.075	0.01%	99.96%
84.0	2.352	0.274	3059.349	0.01%	99.97%
85.0	2.076	0.242	3059.59	0.01%	99.97%
86.0	1.807	0.212	3059.803	0.01%	99.98%
87.0	1.511	0.182	3059.984	0.01%	99.99%
88.0	1.268	0.152	3060.136	0.00%	99.99%
89.0	1.078	0.129	3060.265	0.00%	100.00%
90.0	0.966	0.112	3060.377	0.00%	100.00%

Zonal flux distribution table

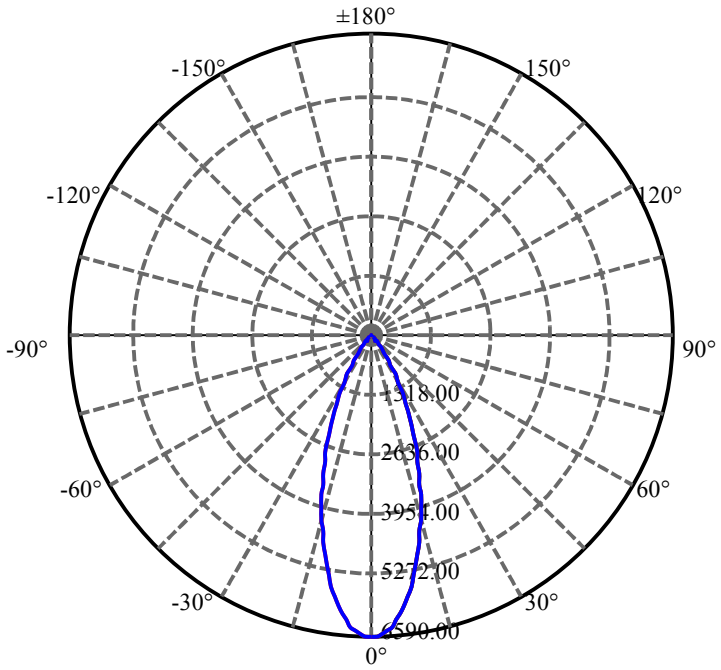
ZONAL LUMEN SUMMARY

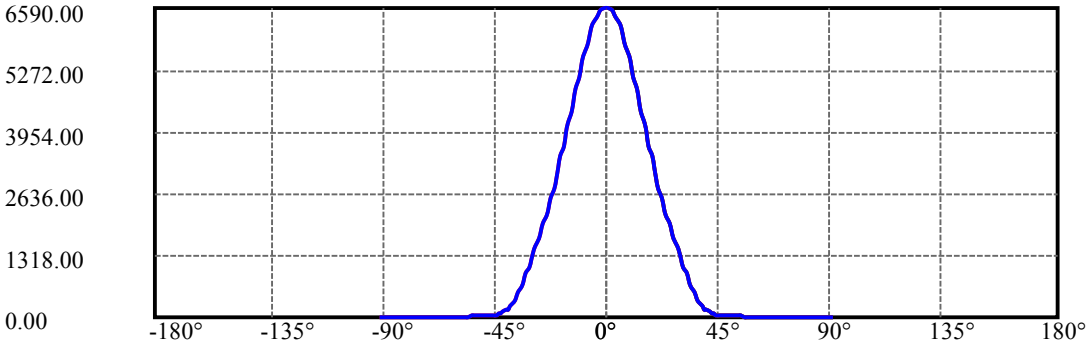
Zone	Lumens	%Lamp	%Fixt
0-30	2625.83	79.31%	85.80%
0-40	2976.16	89.89%	97.25%
0-60	3041.81	91.87%	99.39%
0-90	3060.26	92.43%	100.00%
0-120	3060.26	92.43%	100.00%
0-180	3060.38	92.43%	100.00%
60-90	18.46	0.56%	0.60%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.61	2448.30	73.94%	80.00%

ZONAL LUMEN SUMMARY

0-10	567.83
10-20	1142.27
20-30	915.73
30-40	350.33
40-50	47.80
50-60	17.85
60-70	10.24
70-80	5.99
80-90	2.23
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):

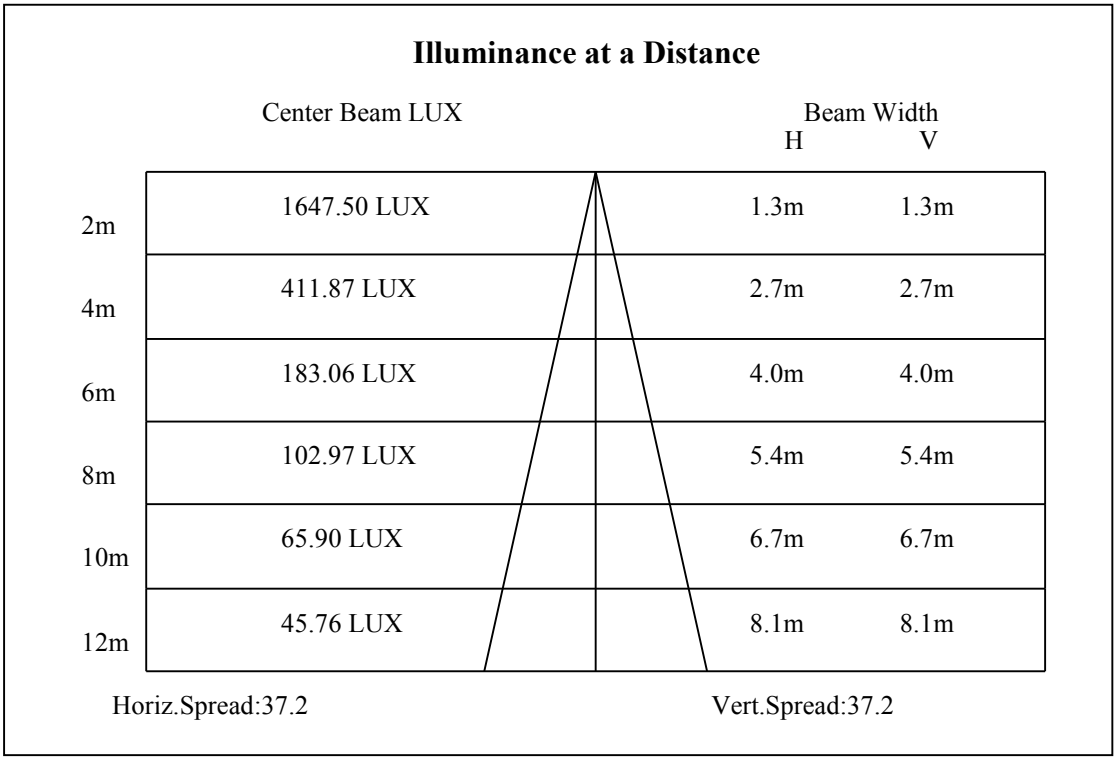
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.0 Right:34.0
:C90/270Left:34.0 Right:34.0

Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6

Lux distance Curve

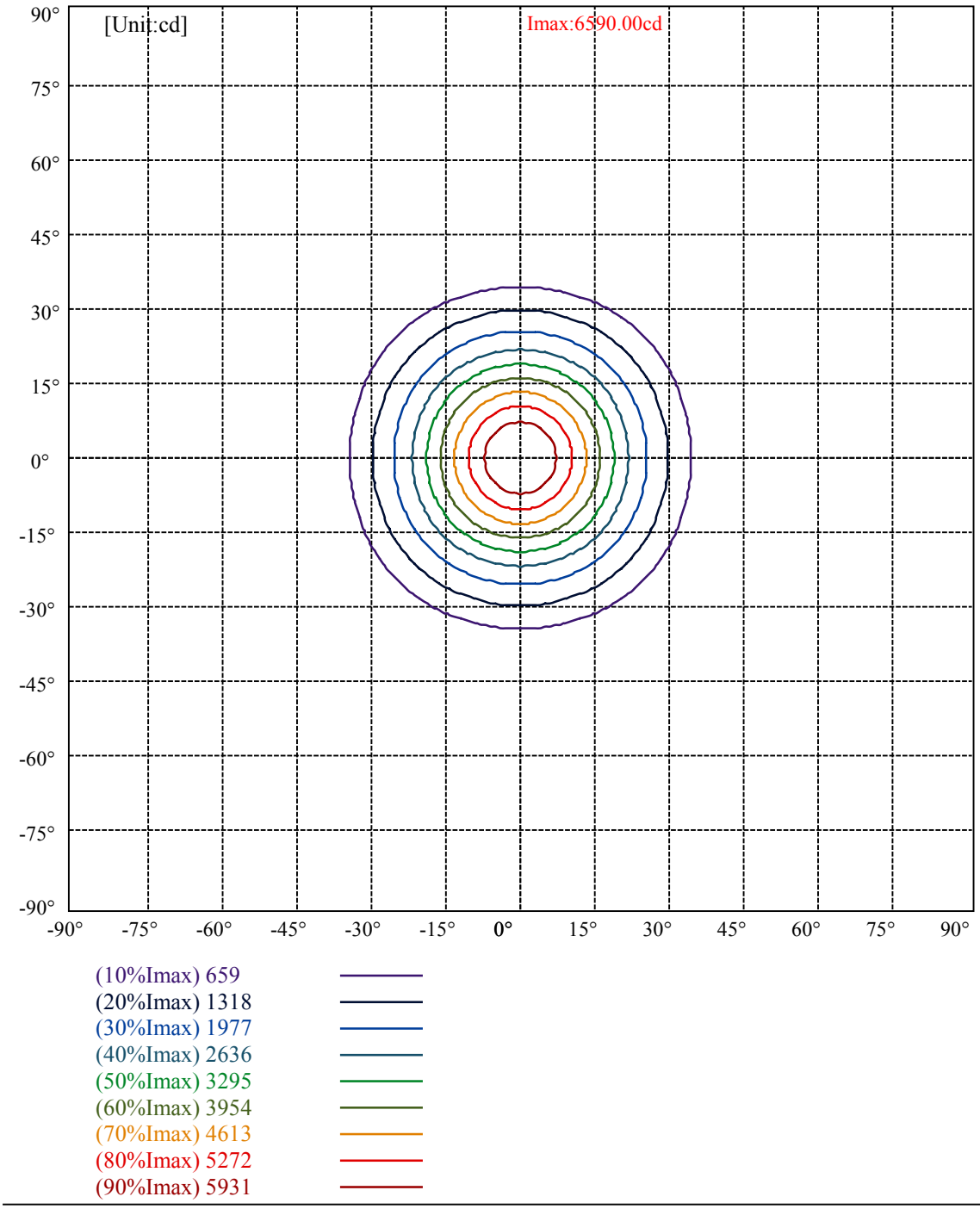


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)

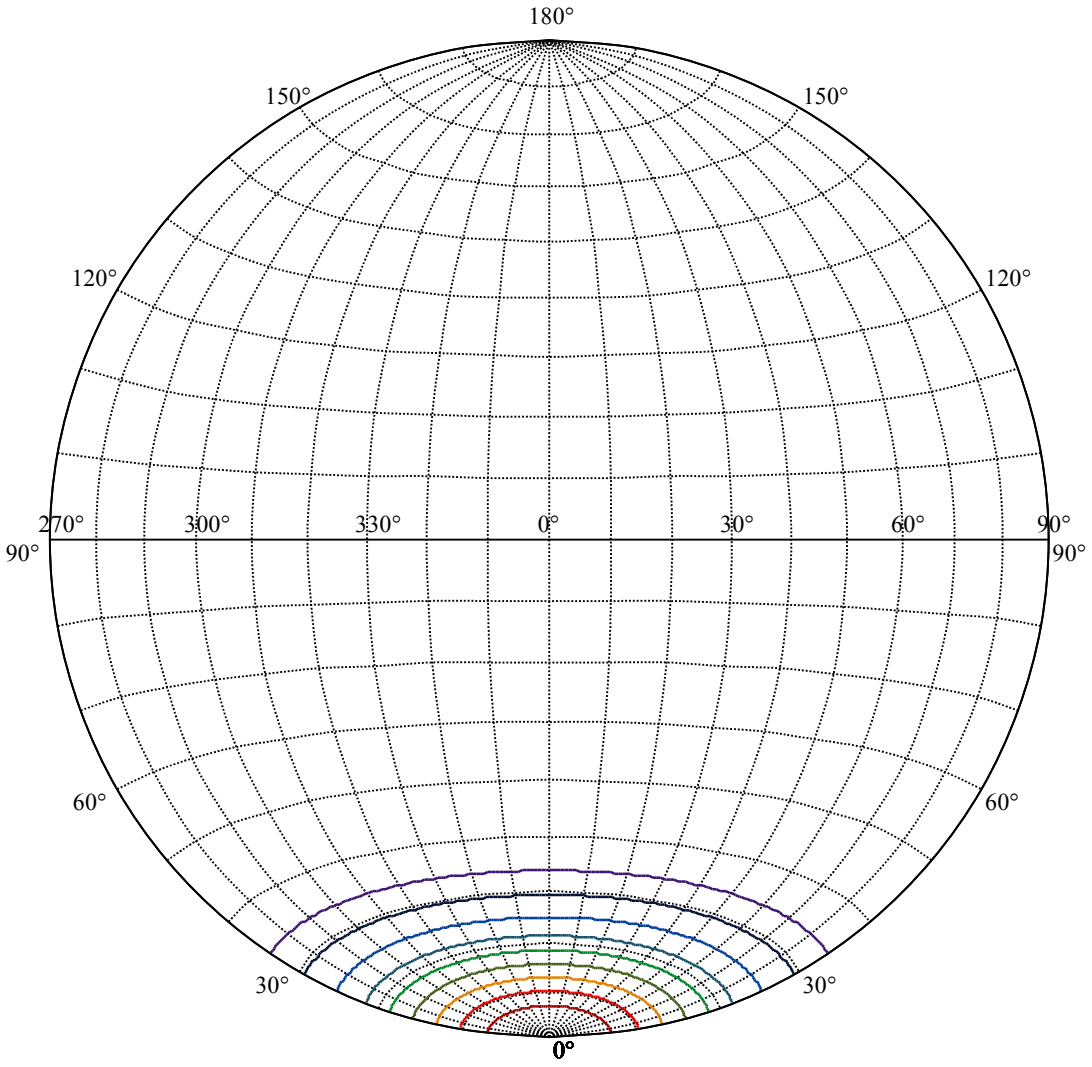


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6590.00

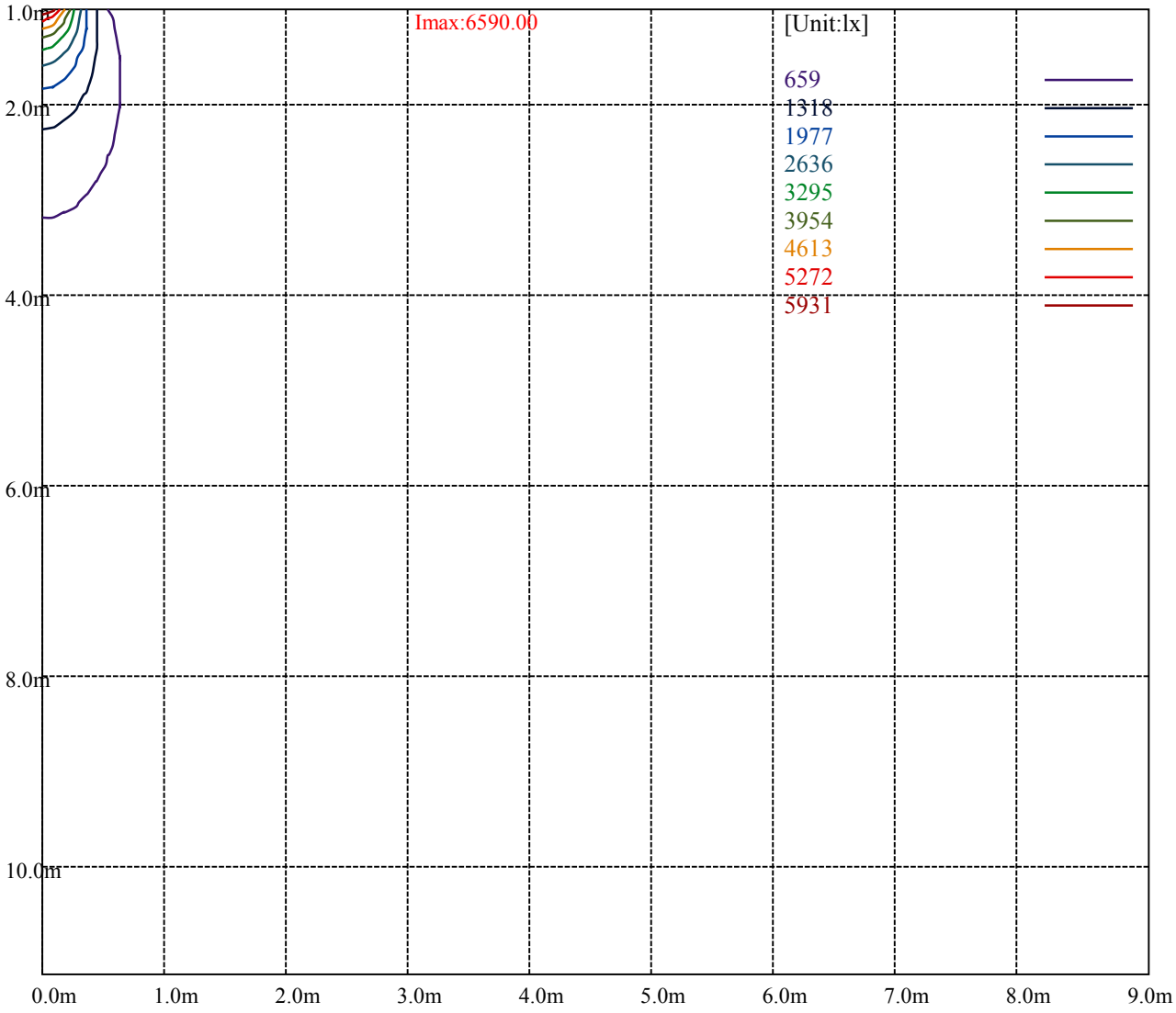
(10%Imax) 659
(20%Imax) 1318
(30%Imax) 1977
(40%Imax) 2636
(50%Imax) 3295
(60%Imax) 3954
(70%Imax) 4613
(80%Imax) 5272
(90%Imax) 5931

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

Nata 2-2756-L

Luminance Limitting Curve(no luminous side)

Luminance Table

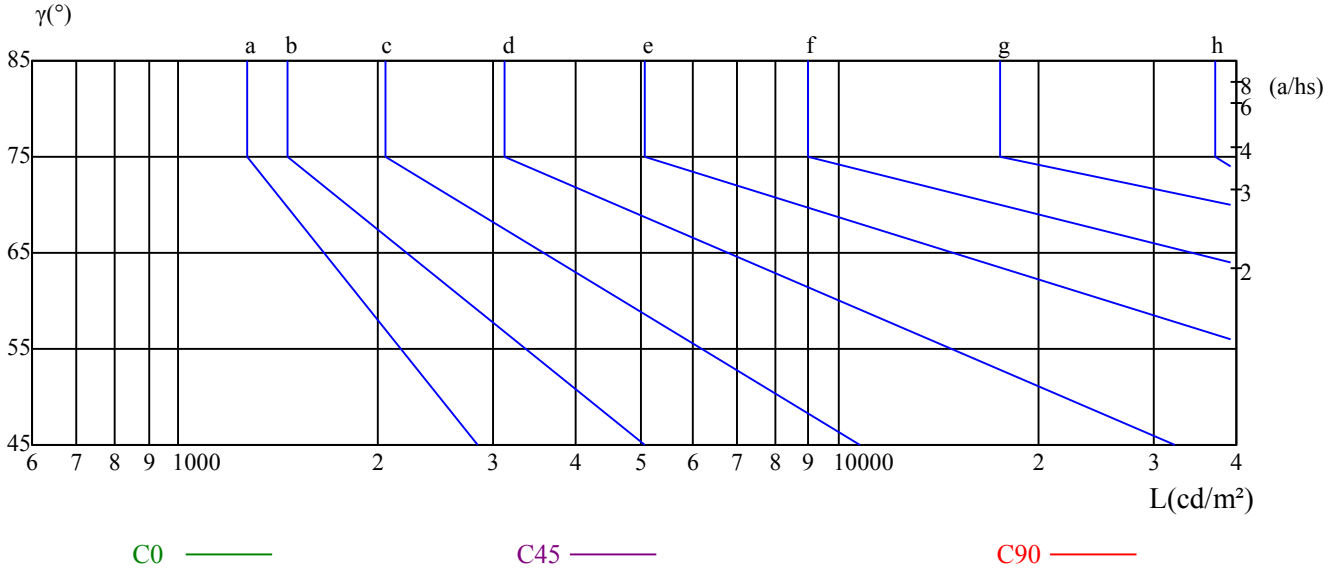
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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
Temperature(°C): 25.0

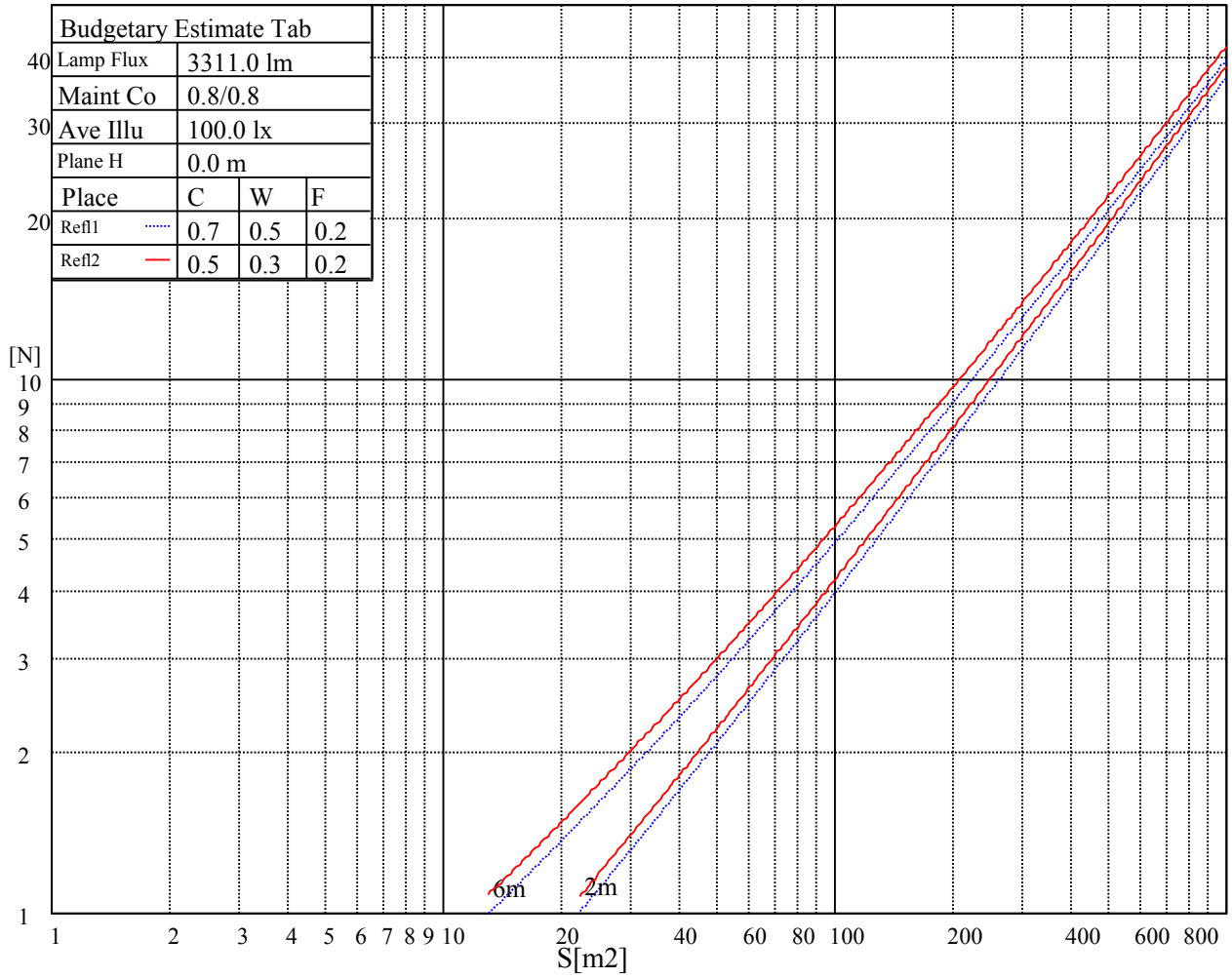
Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

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
Temperature(°C): 25.0

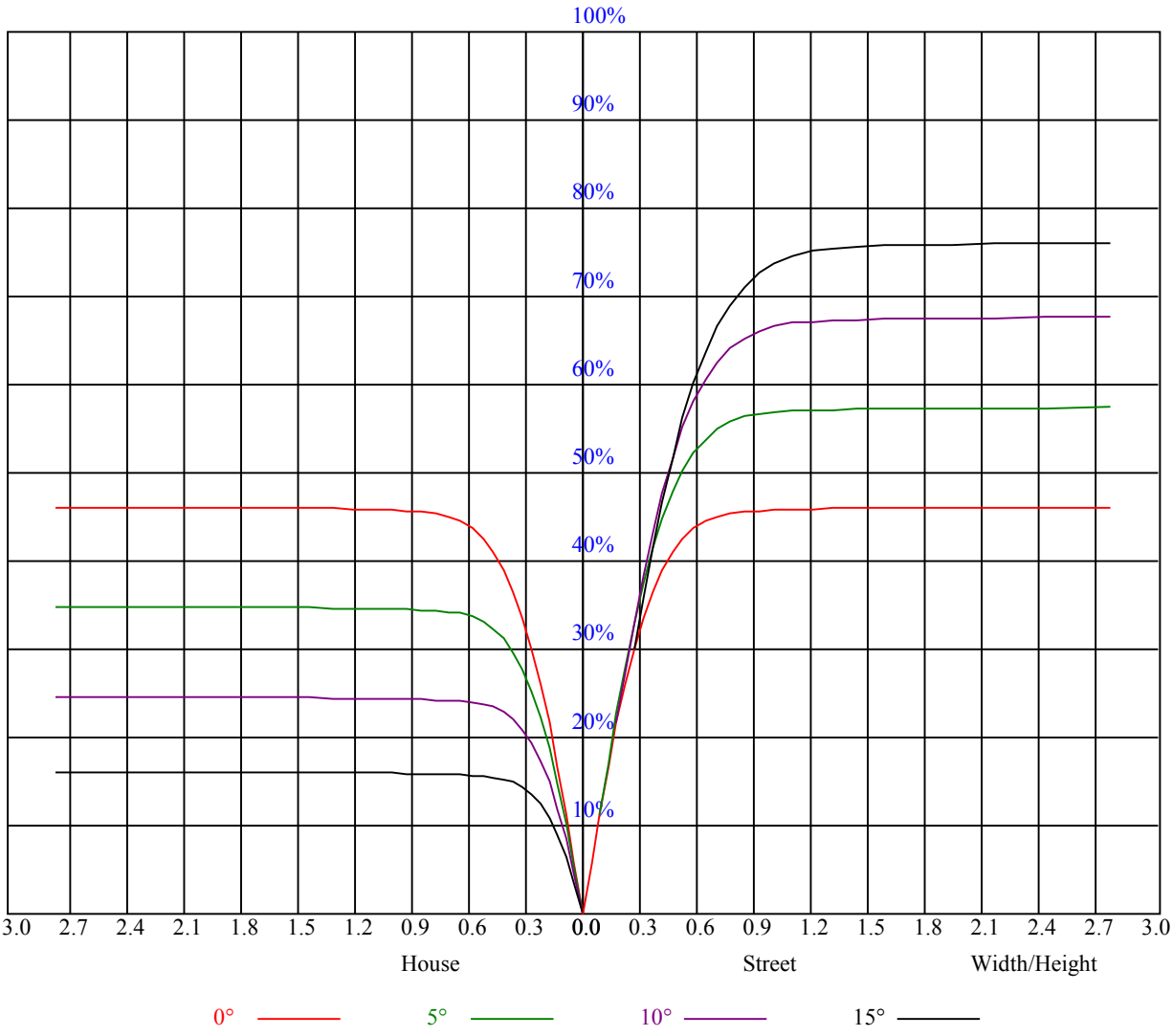
Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
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	1.10	1.10	1.10	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.84	0.90	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
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	0.82	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.67
7	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
8	0.71	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
9	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56

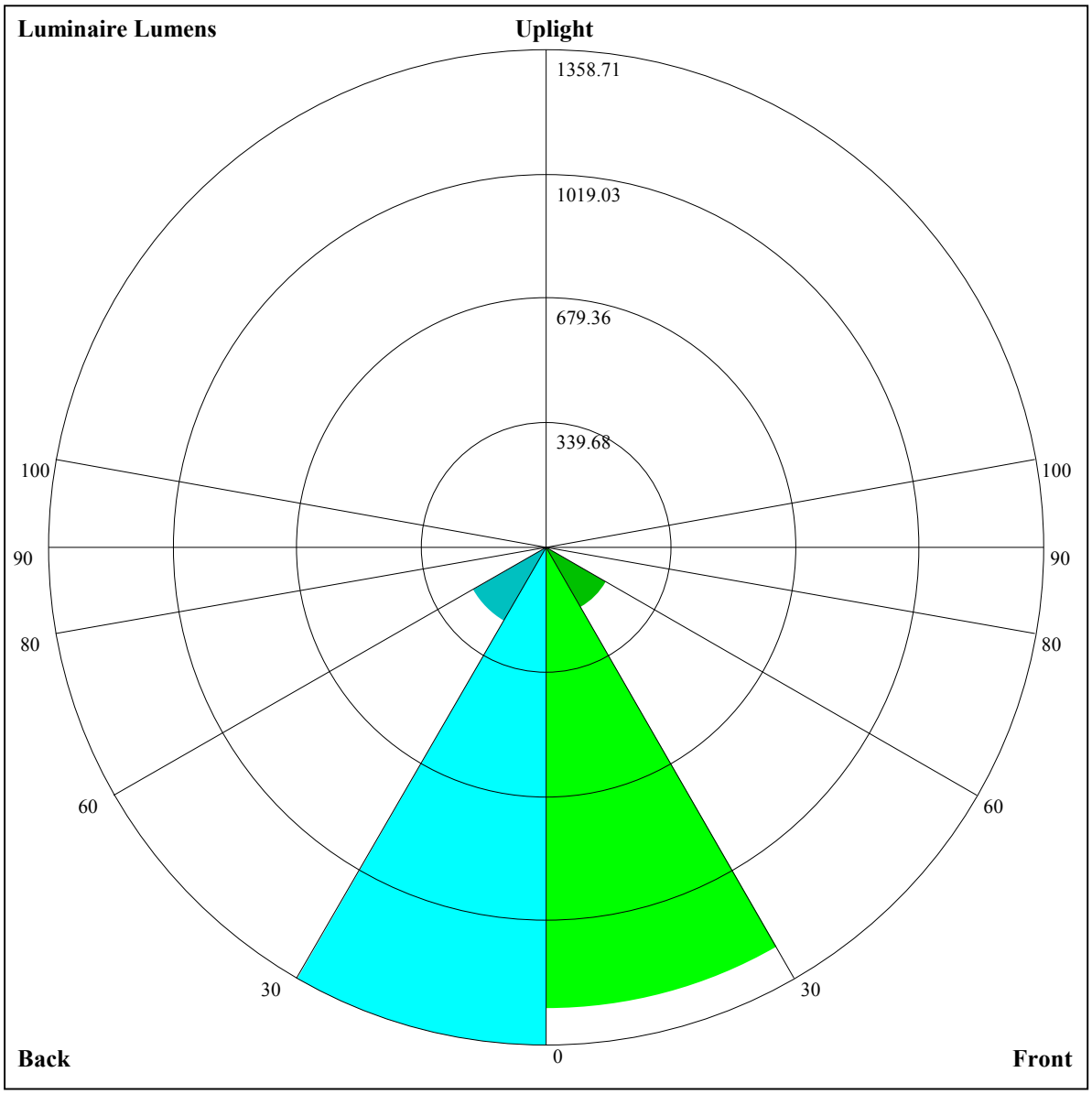
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1261.04,FM=191.98,FH=7.87,FVH=1.13
BL=1358.71,BM=233.69,BH=8.37,BVH=1.24
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	6529.10	6429.39	6320.17	6187.60	6094.52	5847.16	5718.43	5500.03	5270.49
45.0	6629.97	6586.50	6508.50	6394.86	6281.74	6126.84	5954.12	5740.19	5523.43
90.0	6569.26	6489.58	6389.81	6265.61	6148.03	5960.27	5754.12	5547.39	5328.42
135.0	6631.65	6622.72	6588.18	6521.90	6431.07	6319.64	6169.73	5990.92	5785.29
180.0	6529.10	6585.40	6610.47	6614.94	6584.29	6520.75	6432.76	6332.99	6193.70
225.0	6629.97	6658.41	6650.58	6609.89	6573.68	6445.53	6385.92	6251.10	6006.53
270.0	6569.26	6626.61	6645.58	6641.11	6590.39	6529.68	6433.28	6317.38	6169.21
315.0	6631.65	6608.79	6579.83	6500.14	6394.28	6284.53	6139.09	5960.80	5763.58
360.0	6529.10	6429.39	6320.17	6187.60	6094.52	5847.16	5718.43	5500.03	5270.49

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5045.95	4823.66	4583.50	4351.75	4126.63	3892.10	3643.58	3396.75	3153.28
45.0	5300.03	5081.64	4847.05	4604.11	4364.00	4125.53	3880.37	3735.51	3387.29
90.0	5101.14	4853.73	4612.46	4355.07	4119.38	3879.27	3624.66	3387.86	3147.13
135.0	5572.47	5332.89	5086.05	4849.26	4604.11	4361.22	4116.59	3868.65	3617.93
180.0	6023.24	5823.77	5610.94	5385.82	5147.34	4884.95	4634.75	4437.54	4133.88
225.0	5884.48	5668.29	5443.79	5209.21	4982.45	4745.66	4504.97	4254.25	4006.84
270.0	5995.38	5796.43	5588.08	5358.54	5125.05	4892.20	4652.04	4408.57	4170.10
315.0	5564.69	5352.97	5116.70	4890.52	4648.68	4405.21	4158.96	3924.95	3684.26
360.0	5045.95	4823.66	4583.50	4351.75	4126.63	3892.10	3643.58	3396.75	3153.28

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2913.12	2698.61	2488.57	2298.03	2123.63	1963.16	1807.73	1720.27	1522.47
45.0	3237.43	2998.38	2771.62	2552.12	2353.17	2172.67	2007.20	1857.87	1713.59
90.0	2917.06	2686.36	2473.54	2275.75	2096.35	1936.46	1783.76	1641.68	1552.54
135.0	3370.57	3128.20	2894.77	2676.90	2464.60	2291.88	2109.70	1952.59	1803.84
180.0	3888.15	3694.30	3450.26	3203.42	2964.42	2743.76	2513.12	2301.92	2103.60
225.0	3736.62	3471.44	3216.77	2964.42	2773.83	2518.11	2313.64	2163.21	1960.37
270.0	4030.81	3791.23	3435.75	3288.68	3046.31	2803.95	2581.61	2368.78	2178.24
315.0	3536.04	3188.91	2952.12	2815.09	2504.76	2384.97	2202.21	2031.70	1885.15
360.0	2913.12	2698.61	2488.57	2298.03	2123.63	1963.16	1807.73	1720.27	1522.47

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1435.01	1081.68	1081.68	959.32	812.04	669.49	537.24	417.29	311.64
45.0	1570.94	1418.29	1257.82	1097.35	939.66	788.70	647.15	518.48	393.64
90.0	1271.75	1093.14	1093.14	934.04	785.18	645.52	515.32	396.43	290.09
135.0	1653.41	1492.93	1331.93	1176.45	1015.98	862.24	721.84	590.91	475.53
180.0	1933.09	1774.30	1621.08	1469.54	1310.75	1151.96	999.27	851.09	707.91
225.0	1833.38	1691.30	1554.80	1409.94	1046.41	1046.41	959.32	813.09	677.22
270.0	2012.78	1853.41	1708.54	1564.79	1416.03	1263.92	1109.07	955.27	806.52
315.0	1736.40	1595.43	1451.72	1086.05	1086.05	963.05	814.19	675.32	546.18
360.0	1435.01	1081.68	1081.68	959.32	812.04	669.49	537.24	417.29	311.64

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	220.50	150.12	108.07	89.15	76.11	64.76	59.97	53.25	45.05
45.0	305.60	305.60	143.39	105.86	88.20	75.16	65.12	57.82	51.46
90.0	202.37	137.87	102.71	87.52	77.85	65.55	59.76	53.09	45.89
135.0	364.68	304.49	304.49	138.34	118.27	96.50	82.21	70.85	62.13
180.0	579.76	468.33	368.57	279.42	279.42	208.88	124.84	100.97	83.78
225.0	543.71	415.66	306.81	215.30	143.13	100.87	88.99	75.74	61.34
270.0	667.75	536.82	415.93	350.17	307.86	202.26	107.86	86.57	73.11
315.0	471.07	315.16	257.45	176.45	109.96	96.24	81.42	68.75	59.29
360.0	220.50	150.12	108.07	89.15	76.11	64.76	59.97	53.25	45.05

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	42.10	37.42	33.59	30.22	27.44	25.07	22.97	21.08	19.50
45.0	45.78	40.79	36.22	32.48	29.28	26.44	24.34	23.23	20.60
90.0	41.79	37.16	33.38	30.17	27.33	25.02	22.76	20.97	19.40
135.0	54.72	48.25	42.79	38.00	33.96	30.49	27.60	25.18	22.97
180.0	70.59	60.92	53.19	46.83	41.42	36.79	32.90	29.70	27.02
225.0	57.14	50.83	45.15	40.26	35.53	31.85	28.75	26.02	23.65
270.0	62.71	55.61	49.30	43.68	38.69	34.32	30.80	27.75	25.07
315.0	52.35	46.04	40.74	35.95	32.17	28.91	26.02	23.71	21.76
360.0	42.10	37.42	33.59	30.22	27.44	25.07	22.97	21.08	19.50

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.13	16.93	15.77	14.77	13.88	13.04	12.25	11.46	10.88
45.0	19.71	18.29	16.61	15.98	14.93	13.98	13.19	12.35	11.67
90.0	17.98	16.71	15.66	14.61	13.67	12.88	12.09	11.46	10.78
135.0	21.03	19.40	18.03	16.71	15.61	14.82	13.77	12.93	12.30
180.0	24.65	23.07	20.81	19.61	18.24	16.71	15.87	14.82	13.93
225.0	21.66	19.92	18.45	17.08	15.93	14.88	13.46	12.67	11.98
270.0	23.71	21.03	19.24	18.40	16.61	15.87	14.88	13.98	13.09
315.0	20.66	18.40	17.03	16.24	14.82	14.24	13.35	12.51	11.83
360.0	18.13	16.93	15.77	14.77	13.88	13.04	12.25	11.46	10.88

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.46	9.67	9.41	8.88	8.36	7.99	7.52	7.04	6.62
45.0	11.09	10.46	9.83	9.30	8.83	8.41	7.88	7.41	6.99
90.0	10.20	9.88	9.15	8.83	8.36	7.94	7.46	6.99	6.57
135.0	11.56	10.88	10.35	9.72	9.20	8.67	8.25	7.83	7.36
180.0	13.09	12.25	11.56	10.88	10.35	9.72	9.20	8.67	8.25
225.0	11.30	10.83	10.14	9.67	9.25	8.73	8.36	7.88	7.46
270.0	12.35	11.62	11.04	10.41	9.83	9.36	8.83	8.46	7.94
315.0	11.20	10.57	9.93	9.51	8.94	8.52	7.99	7.67	7.31
360.0	10.46	9.67	9.41	8.88	8.36	7.99	7.52	7.04	6.62

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.20	5.83	5.47	4.99	4.68	4.26	3.84	3.36	3.05
45.0	6.62	6.15	5.73	5.31	5.05	4.63	4.21	3.78	3.42
90.0	6.20	5.78	5.41	4.94	4.57	4.15	3.73	3.26	3.00
135.0	6.89	6.47	6.04	5.62	5.15	4.73	4.36	3.94	3.73
180.0	7.73	7.31	6.83	6.41	6.10	5.57	5.10	4.84	4.31
225.0	7.04	6.73	6.25	5.89	5.52	5.15	4.73	4.31	3.99
270.0	7.57	7.10	6.73	6.36	5.94	5.62	5.31	4.84	4.63
315.0	6.78	6.41	6.04	5.73	5.26	4.84	4.52	4.10	3.78
360.0	6.20	5.83	5.47	4.99	4.68	4.26	3.84	3.36	3.05

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.84	2.52	2.26	1.94	1.79	1.52	1.21	0.84	0.84
45.0	3.00	2.73	2.42	2.10	1.84	1.52	1.21	0.89	0.84
90.0	2.73	2.37	2.05	1.84	1.68	1.37	1.10	0.95	0.95
135.0	3.15	2.89	2.52	2.21	1.89	1.68	1.37	1.10	0.79
180.0	4.05	3.47	3.15	2.84	2.47	2.16	1.89	1.68	1.31
225.0	3.63	3.21	2.89	2.52	2.21	2.05	1.73	1.52	1.26
270.0	4.21	3.73	3.31	2.94	2.63	2.26	2.00	1.79	1.52
315.0	3.31	3.00	2.79	2.42	2.10	1.89	1.58	1.37	1.10
360.0	2.84	2.52	2.26	1.94	1.79	1.52	1.21	0.84	0.84

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.79
90.0	0.95
135.0	0.79
180.0	1.10
225.0	1.10
270.0	1.21
315.0	0.89
360.0	0.89