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Nata

Client:
LumCAT: 2-2519-L
Luminaire: 92.70.411.00
Report No: 2024829-B021
Ballast type: AC

Test No: 2024829-C021	Voltage(V): 35.100
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.598
Lamp flux(lm): 3408.0	Power (W): 21.000
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3091.55, Efficiency(%): 90.71% , Luminous Efficacy(lm/W): 147.22
Central intensity(cd): 10181.610, Maximum intensity(cd): 10181.610
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.8
[C90/270]Total=26.8
Field angle(10%Imax): [C0/180]Total=57.0
[C90/270]Total=57.0
Maximum s/h(1/2): C0_180=0.45 C90_270=0.45
Maximum s/h(1/4): C0_180=0.48 C90_270=0.48
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.71%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.002%

Nata 2-2519-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10181.606	0.000	0	0.00%	0.00%
1.0	10141.560	9.724	9.724	0.29%	0.31%
2.0	10019.050	28.936	38.661	0.85%	1.25%
3.0	9830.456	47.473	86.134	1.39%	2.79%
4.0	9562.525	64.915	151.049	1.90%	4.89%
5.0	9218.070	80.793	231.842	2.37%	7.50%
6.0	8818.089	94.785	326.627	2.78%	10.57%
7.0	8359.468	106.621	433.247	3.13%	14.01%
8.0	7883.672	116.249	549.496	3.41%	17.77%
9.0	7346.759	123.434	672.931	3.62%	21.77%
10.0	6848.309	128.460	801.391	3.77%	25.92%
11.0	6310.995	131.488	932.879	3.86%	30.18%
12.0	5805.988	132.456	1065.335	3.89%	34.46%
13.0	5295.915	131.752	1197.087	3.87%	38.72%
14.0	4837.163	129.703	1326.79	3.81%	42.92%
15.0	4396.452	126.763	1453.553	3.72%	47.02%
16.0	3961.925	122.474	1576.026	3.59%	50.98%
17.0	3595.098	117.683	1693.709	3.45%	54.79%
18.0	3250.991	112.877	1806.587	3.31%	58.44%
19.0	2934.183	107.609	1914.196	3.16%	61.92%
20.0	2658.861	102.368	2016.564	3.00%	65.23%
21.0	2399.150	97.124	2113.688	2.85%	68.37%
22.0	2167.316	91.765	2205.453	2.69%	71.34%
23.0	1955.929	86.517	2291.97	2.54%	74.14%
24.0	1721.987	80.412	2372.383	2.36%	76.74%
25.0	1560.515	74.637	2447.02	2.19%	79.15%
26.0	1407.716	70.065	2517.085	2.06%	81.42%
27.0	1221.763	64.331	2581.416	1.89%	83.50%
28.0	1099.141	58.760	2640.176	1.72%	85.40%
29.0	947.176	53.537	2693.714	1.57%	87.13%
30.0	822.675	47.786	2741.499	1.40%	88.68%
31.0	699.048	42.347	2783.847	1.24%	90.05%
32.0	581.433	36.684	2820.531	1.08%	91.23%
33.0	486.663	31.467	2851.997	0.92%	92.25%
34.0	397.865	26.768	2878.766	0.79%	93.12%
35.0	325.079	22.452	2901.218	0.66%	93.84%
36.0	269.915	18.945	2920.163	0.56%	94.46%
37.0	204.028	15.457	2935.62	0.45%	94.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	182.661	12.907	2948.527	0.38%	95.37%
39.0	155.099	11.529	2960.056	0.34%	95.75%
40.0	126.590	9.824	2969.88	0.29%	96.06%
41.0	113.023	8.532	2978.413	0.25%	96.34%
42.0	101.669	7.800	2986.213	0.23%	96.59%
43.0	92.024	7.175	2993.388	0.21%	96.82%
44.0	82.668	6.593	2999.981	0.19%	97.04%
45.0	74.146	6.027	3006.007	0.18%	97.23%
46.0	67.865	5.554	3011.561	0.16%	97.41%
47.0	61.235	5.135	3016.696	0.15%	97.58%
48.0	55.828	4.732	3021.428	0.14%	97.73%
49.0	51.406	4.404	3025.832	0.13%	97.87%
50.0	47.326	4.116	3029.948	0.12%	98.01%
51.0	43.653	3.849	3033.797	0.11%	98.13%
52.0	40.690	3.619	3037.417	0.11%	98.25%
53.0	38.266	3.435	3040.851	0.10%	98.36%
54.0	35.736	3.262	3044.113	0.10%	98.47%
55.0	33.706	3.100	3047.213	0.09%	98.57%
56.0	31.728	2.957	3050.169	0.09%	98.66%
57.0	29.961	2.821	3052.99	0.08%	98.75%
58.0	28.331	2.696	3055.686	0.08%	98.84%
59.0	26.662	2.571	3058.257	0.08%	98.92%
60.0	25.026	2.442	3060.699	0.07%	99.00%
61.0	23.528	2.317	3063.016	0.07%	99.08%
62.0	22.024	2.195	3065.211	0.06%	99.15%
63.0	20.552	2.071	3067.281	0.06%	99.21%
64.0	19.185	1.950	3069.231	0.06%	99.28%
65.0	17.891	1.835	3071.066	0.05%	99.34%
66.0	16.721	1.727	3072.793	0.05%	99.39%
67.0	15.710	1.631	3074.424	0.05%	99.45%
68.0	14.915	1.551	3075.975	0.05%	99.50%
69.0	13.922	1.471	3077.446	0.04%	99.54%
70.0	13.292	1.398	3078.844	0.04%	99.59%
71.0	12.556	1.336	3080.18	0.04%	99.63%
72.0	11.531	1.252	3081.432	0.04%	99.67%
73.0	10.427	1.148	3082.58	0.03%	99.71%
74.0	9.402	1.042	3083.623	0.03%	99.74%
75.0	8.364	0.939	3084.562	0.03%	99.77%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.562	0.845	3085.407	0.02%	99.80%
77.0	6.905	0.771	3086.178	0.02%	99.83%
78.0	6.229	0.703	3086.881	0.02%	99.85%
79.0	5.683	0.640	3087.522	0.02%	99.87%
80.0	5.184	0.586	3088.107	0.02%	99.89%
81.0	4.704	0.535	3088.642	0.02%	99.91%
82.0	4.244	0.485	3089.127	0.01%	99.92%
83.0	3.830	0.439	3089.566	0.01%	99.94%
84.0	3.390	0.393	3089.96	0.01%	99.95%
85.0	3.022	0.350	3090.31	0.01%	99.96%
86.0	2.661	0.311	3090.62	0.01%	99.97%
87.0	2.339	0.274	3090.894	0.01%	99.98%
88.0	2.096	0.243	3091.137	0.01%	99.99%
89.0	1.886	0.218	3091.355	0.01%	99.99%
90.0	1.715	0.197	3091.553	0.01%	100.00%

Zonal flux distribution table

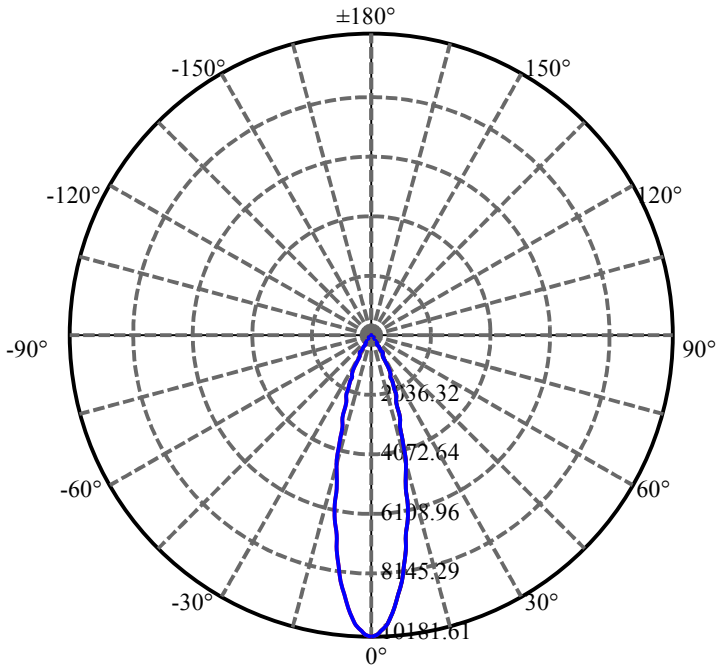
ZONAL LUMEN SUMMARY

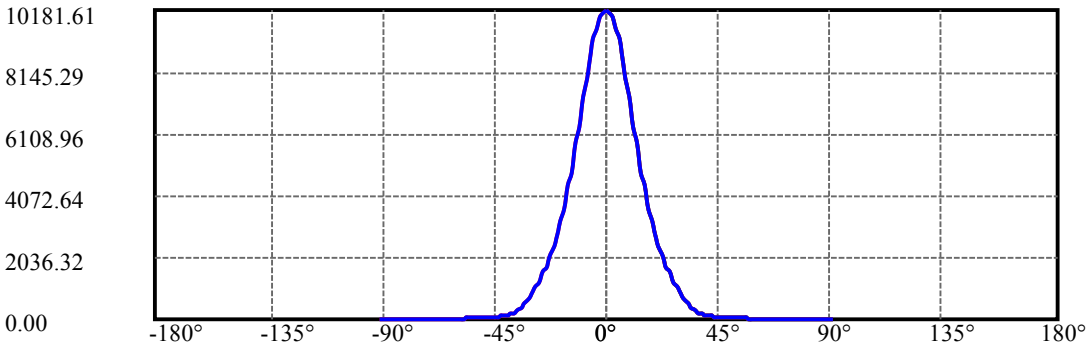
Zone	Lumens	%Lamp	%Fixt
0-30	2741.50	80.44%	88.68%
0-40	2969.88	87.14%	96.06%
0-60	3060.70	89.81%	99.00%
0-90	3091.36	90.71%	99.99%
0-120	3091.36	90.71%	99.99%
0-180	3091.55	90.71%	100.00%
60-90	30.66	0.90%	0.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.37	2473.24	72.57%	80.00%

ZONAL LUMEN SUMMARY

0-10	801.39
10-20	1215.17
20-30	724.93
30-40	228.38
40-50	60.07
50-60	30.75
60-70	18.15
70-80	9.26
80-90	3.25
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):

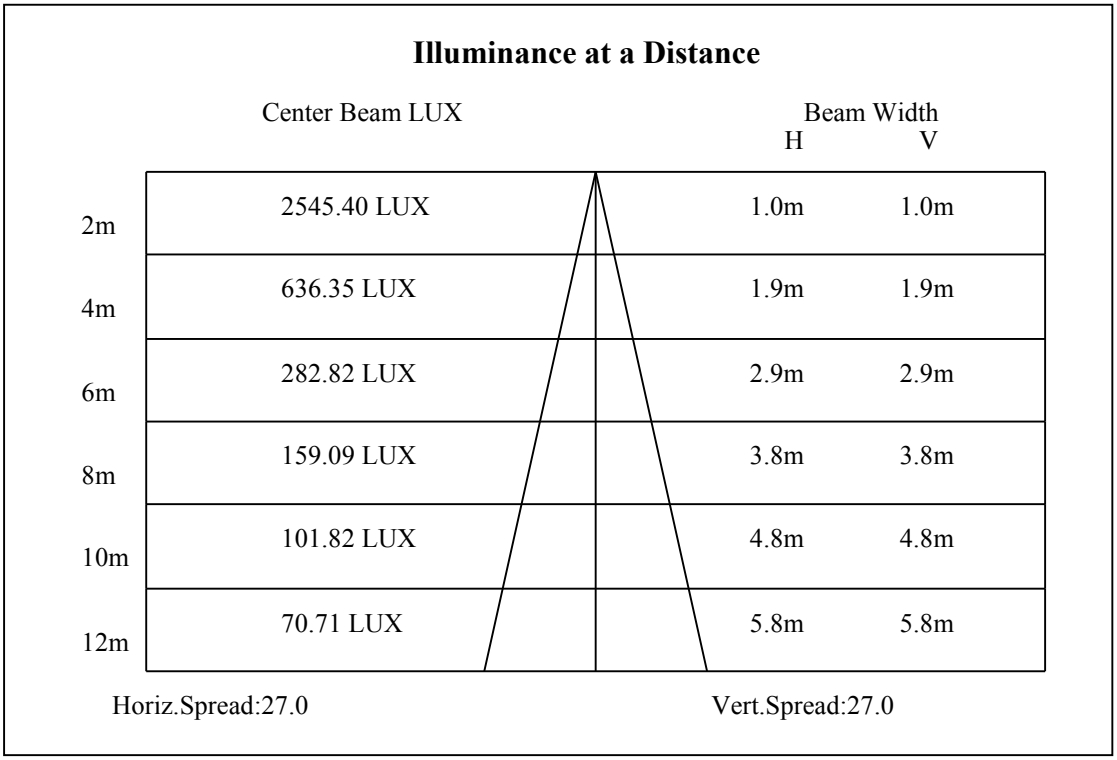
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.5 Right:28.5
:C90/270Left:28.5 Right:28.5

Beam Angle(50%Imax):C0/180Left:13.4 Right:13.4
:C90/270Left:13.4 Right:13.4

Lux distance Curve

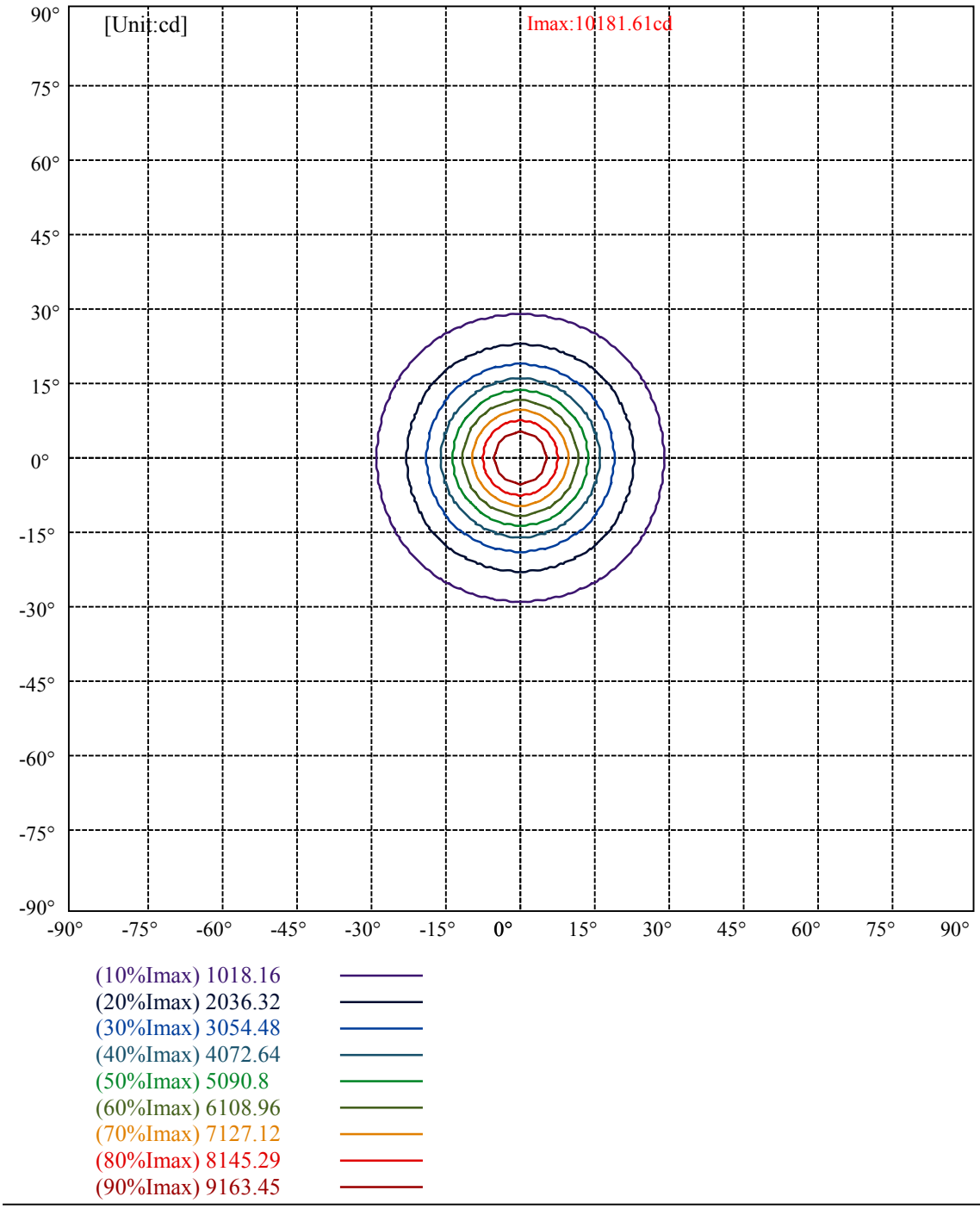


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



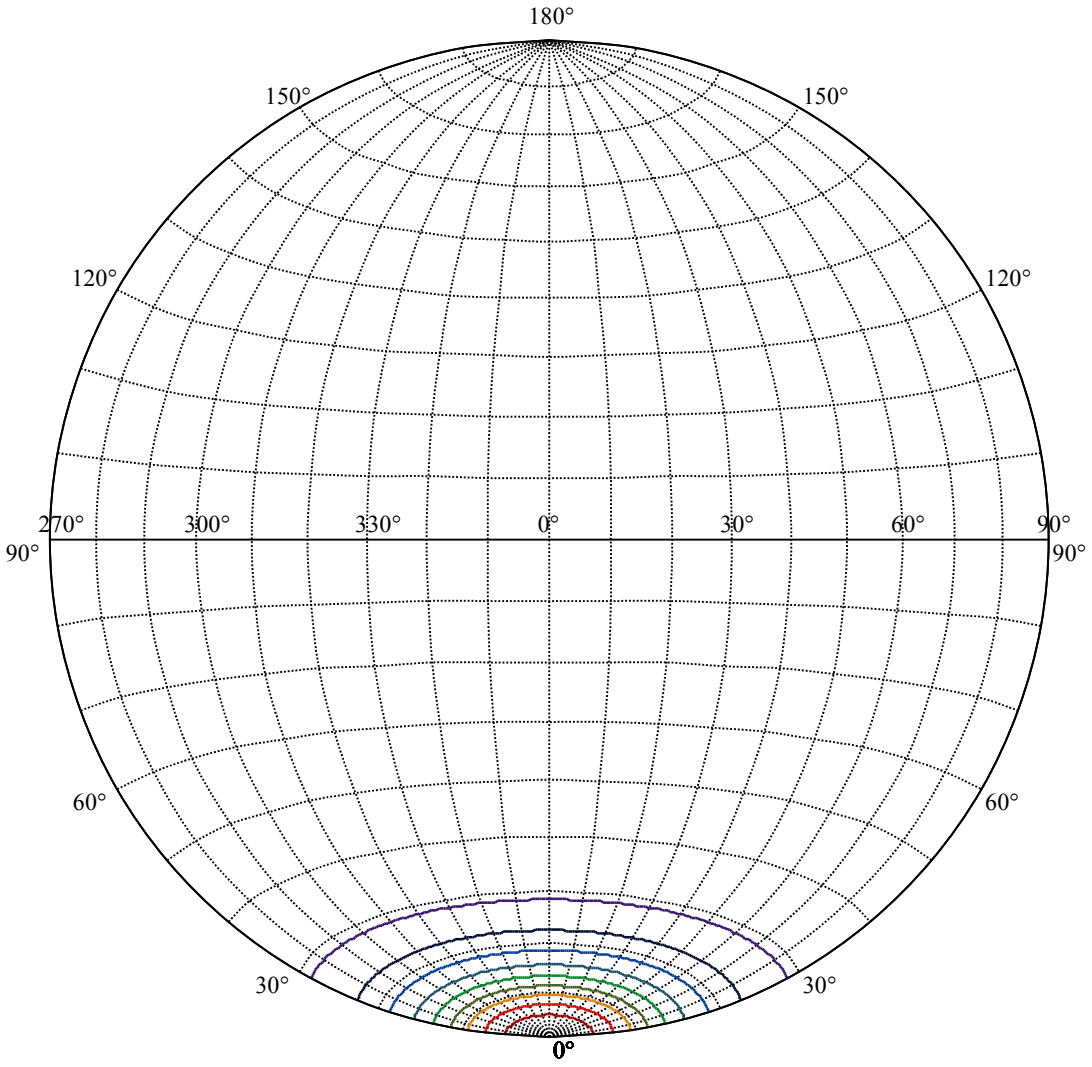
(10%Imax) 1018.16
(20%Imax) 2036.32
(30%Imax) 3054.48
(40%Imax) 4072.64
(50%Imax) 5090.8
(60%Imax) 6108.96
(70%Imax) 7127.12
(80%Imax) 8145.29
(90%Imax) 9163.45

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

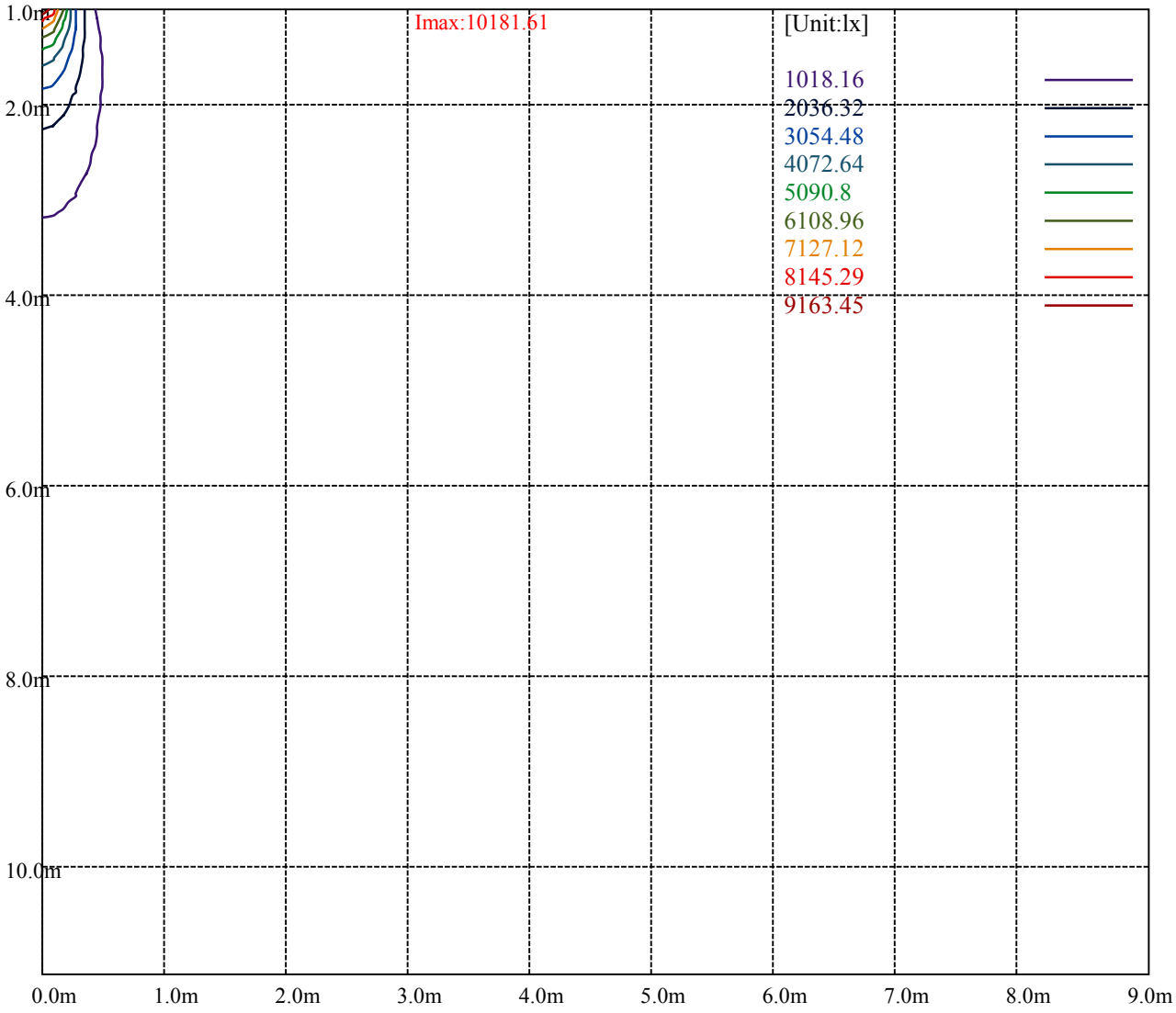
Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



Equipment: GMS 1800	Date: 2024/8/29	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2519-L

Luminance Limitting Curve(no luminous side)

Luminance Table

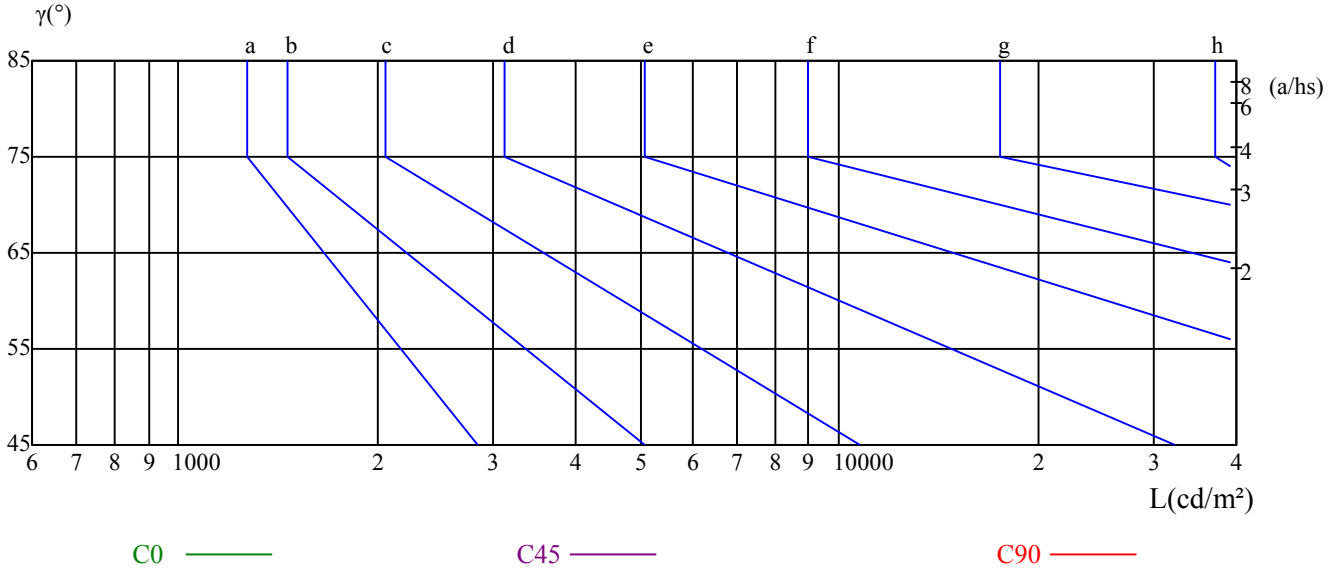
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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
Temperature(°C): 25.0

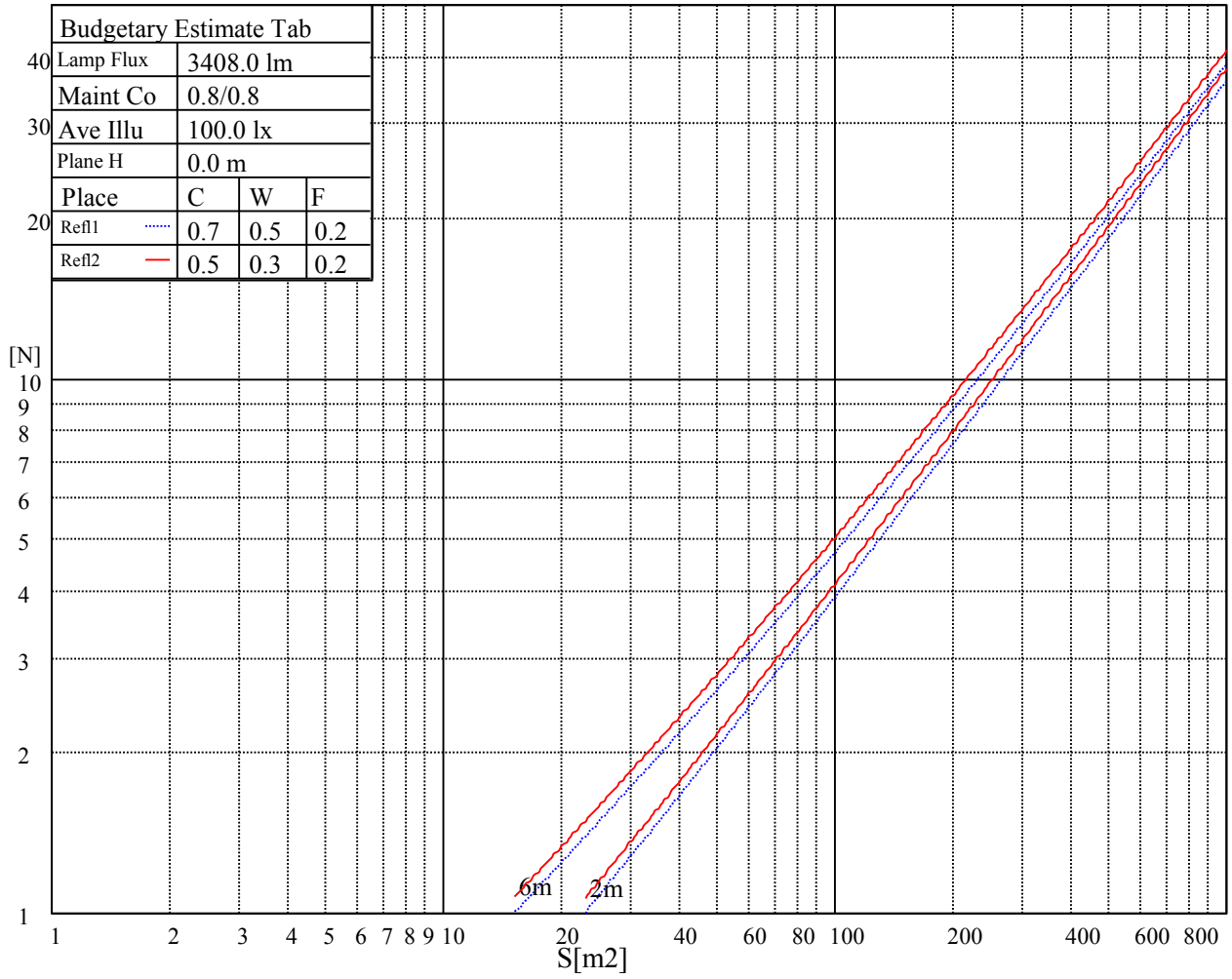
Date: 2024/8/29
Humidity(%): 60.0%

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

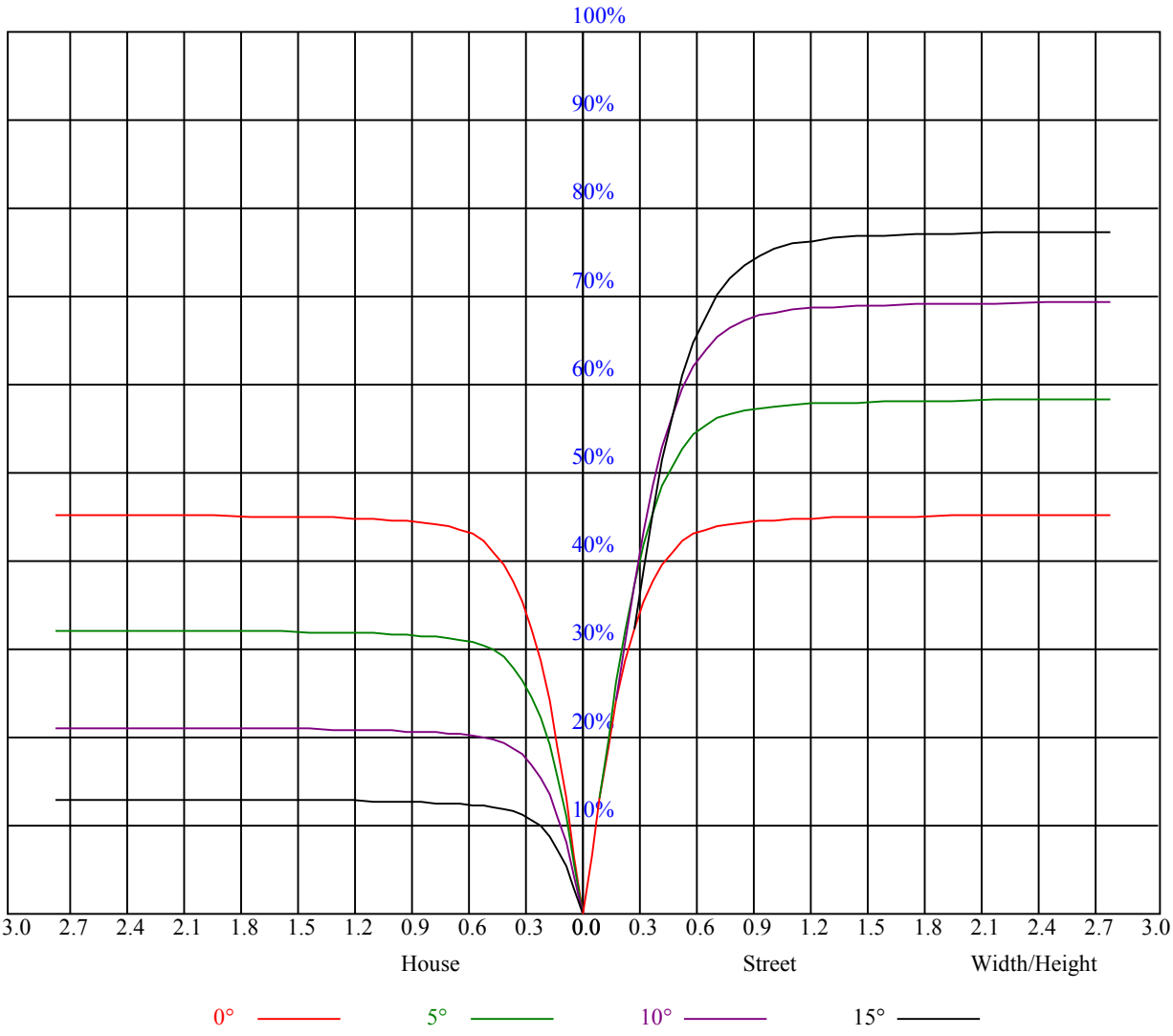
Date: 2024/8/29
Humidity(%): 60.0%

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	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.93	0.90	0.94	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.84	0.88	0.85	0.82	0.85	0.83	0.81	0.83	0.82	0.80	0.79
4	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.81	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	0.79	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
7	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.67	0.66
8	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
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	0.63	0.62
10	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.63	0.60	0.59

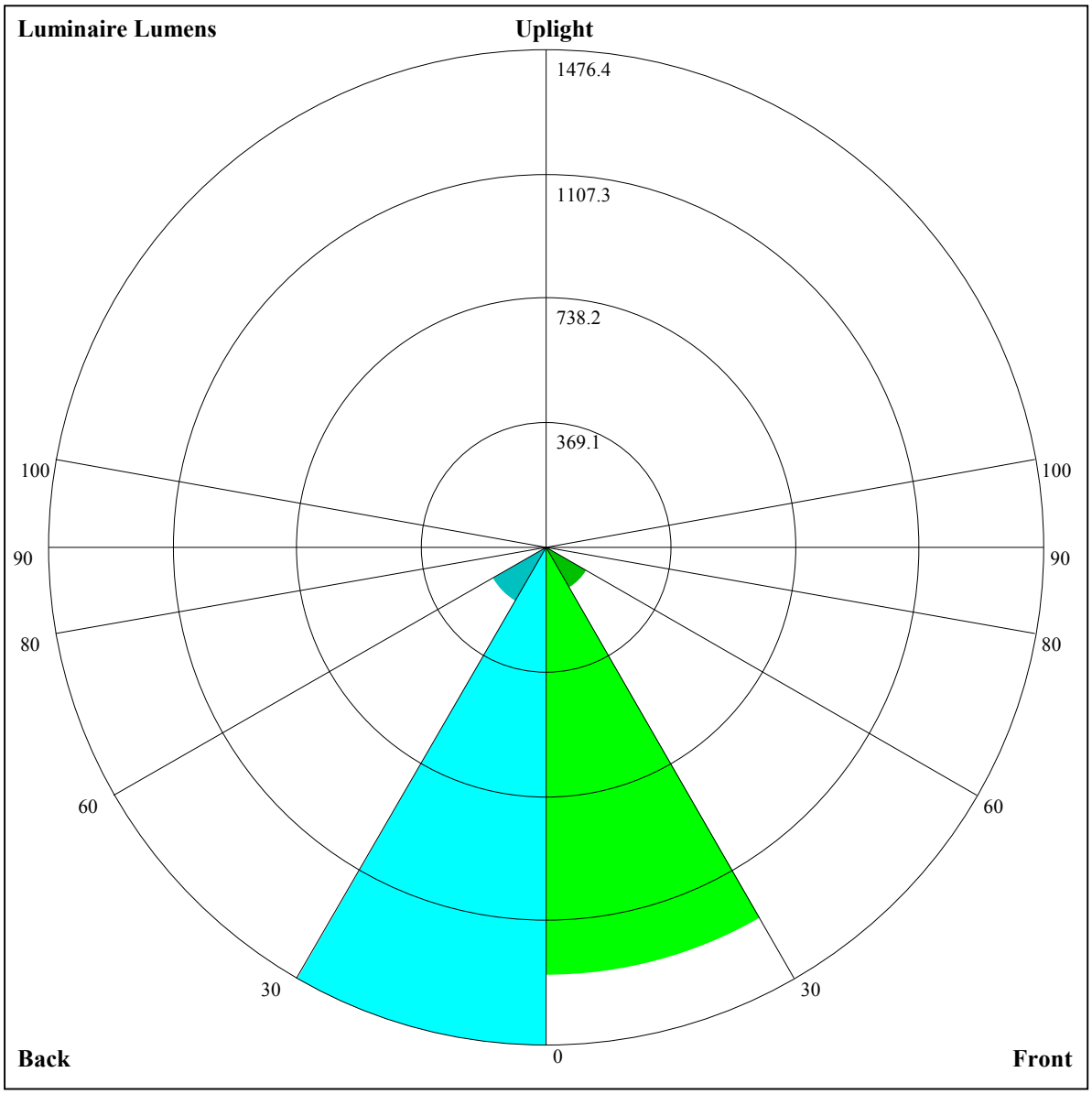
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1271.58,FM=138.7,FH=12.71,FVH=1.61
BL=1476.4,BM=186.69,BH=14.54,BVH=1.84
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	10054.31	9811.95	9503.25	9108.77	8668.08	8176.10	7640.12	7071.23	6496.83
45.0	10300.57	10083.27	9792.97	9440.86	9024.09	8552.18	8019.51	7452.89	6844.48
90.0	10068.77	9795.76	9449.79	9046.95	8590.60	8180.56	7520.33	6913.55	6442.22
135.0	10302.78	10260.99	10139.52	9932.26	9648.11	9299.36	8900.99	8442.43	7921.48
180.0	10054.31	10235.39	10298.31	10295.00	10201.96	10063.20	9767.90	9424.14	9112.71
225.0	10300.57	10424.83	10470.50	10418.15	10287.74	10055.99	9762.33	9395.70	8959.49
270.0	10068.77	10274.92	10388.03	10415.89	10361.28	10206.95	9979.10	9684.33	9297.68
315.0	10302.78	10245.38	10110.03	9985.77	9718.33	9210.21	8954.44	8491.47	7994.49
360.0	10054.31	9811.95	9503.25	9108.77	8668.08	8176.10	7640.12	7071.23	6496.83

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5934.62	5395.28	4888.26	4424.71	4008.52	3627.97	3416.83	2974.41	2805.05
45.0	6241.64	5670.55	5131.78	4832.54	4380.14	3968.94	3586.76	3247.99	2933.20
90.0	5742.98	5300.03	4794.70	4345.03	3941.66	3568.36	3227.39	2915.38	2639.01
135.0	7359.85	6778.20	6203.74	5634.33	5117.27	4634.75	4196.85	3807.36	3453.57
180.0	8677.54	8188.92	7652.94	7092.99	6515.17	5948.03	5404.21	4883.27	4417.46
225.0	8476.39	8168.84	7621.14	6812.15	6445.00	5847.74	5276.64	4759.01	4286.52
270.0	8863.61	8372.21	7852.36	7518.07	6698.51	6336.36	5754.12	5211.99	4707.76
315.0	7477.44	6912.44	6343.03	5788.08	5261.03	4765.16	4308.81	3895.99	3518.22
360.0	5934.62	5395.28	4888.26	4424.71	4008.52	3627.97	3416.83	2974.41	2805.05

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2542.08	2203.31	2069.02	1861.24	1691.83	1530.25	1281.21	1072.59	1041.58
45.0	2653.51	2396.11	2152.07	1932.51	1743.66	1587.07	1427.76	1265.60	1102.92
90.0	2377.14	2135.35	1909.70	1726.94	1561.47	1400.42	1025.39	1025.39	995.11
135.0	3127.10	2885.84	2603.89	2350.38	2111.96	1895.77	1716.90	1559.79	1392.64
180.0	4000.16	3627.44	3293.67	2979.45	2698.09	2436.74	2188.81	1960.95	1763.73
225.0	3860.87	3485.37	3156.06	2851.83	2574.41	2317.53	2083.52	1865.65	1671.22
270.0	4255.88	3852.52	3477.01	3141.56	2842.37	2571.62	2322.00	2095.77	1885.15
315.0	3191.17	2887.52	2609.47	2349.28	2114.75	1908.02	1730.30	1638.37	1409.36
360.0	2542.08	2203.31	2069.02	1861.24	1691.83	1530.25	1281.21	1072.59	1041.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	893.83	755.48	649.83	503.18	394.27	316.32	228.75	193.22	165.68
45.0	953.59	807.62	672.80	548.54	433.22	330.67	295.61	295.61	170.30
90.0	798.32	718.42	592.64	474.74	368.83	279.84	215.87	180.55	161.31
135.0	1222.71	1068.39	919.63	780.87	651.04	530.15	419.29	320.68	303.39
180.0	1604.94	1447.78	1353.06	1188.70	1031.59	887.31	751.91	624.86	506.18
225.0	1509.07	1357.01	1025.28	1025.28	940.76	803.52	675.11	555.38	446.26
270.0	1702.97	1549.75	1393.75	1233.27	1081.74	936.35	853.88	667.23	590.33
315.0	1088.67	1088.67	970.41	826.81	690.93	567.31	452.88	345.39	257.19
360.0	893.83	755.48	649.83	503.18	394.27	316.32	228.75	193.22	165.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	147.12	130.57	116.22	103.50	91.88	82.10	73.48	65.97	59.08
45.0	152.33	136.14	121.89	109.28	98.08	87.88	79.05	71.38	64.34
90.0	144.97	130.41	117.16	105.23	94.30	84.84	76.69	69.28	64.13
135.0	303.39	178.77	160.79	145.49	131.46	118.95	107.44	97.35	87.88
180.0	398.11	303.39	303.39	186.33	163.89	147.18	132.77	120.32	111.27
225.0	346.75	264.86	207.46	172.88	151.70	134.03	119.26	111.64	95.87
270.0	469.96	322.89	287.78	287.78	165.15	145.70	128.04	113.96	101.71
315.0	196.69	165.20	146.60	130.30	116.27	103.50	96.61	86.31	77.06
360.0	147.12	130.57	116.22	103.50	91.88	82.10	73.48	65.97	59.08

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	53.30	48.57	44.47	40.79	37.95	35.32	33.06	31.33	30.49
45.0	58.24	53.09	48.52	45.99	41.05	39.26	36.32	34.27	32.43
90.0	57.19	53.25	49.04	44.99	41.89	39.11	36.53	34.53	32.75
135.0	79.84	72.69	66.49	60.81	56.08	51.67	47.88	44.68	41.63
180.0	98.61	91.46	83.10	74.69	69.49	63.55	58.61	54.45	50.62
225.0	85.89	80.42	69.65	62.86	59.29	53.88	49.15	45.26	41.94
270.0	90.83	81.10	72.54	65.39	58.76	52.93	48.15	43.99	41.84
315.0	69.28	62.34	56.08	51.09	46.73	42.89	39.53	37.00	34.43
360.0	53.30	48.57	44.47	40.79	37.95	35.32	33.06	31.33	30.49

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.23	27.02	26.18	24.91	23.29	21.81	20.45	18.92	17.61
45.0	30.59	28.70	27.28	25.65	23.71	22.02	20.76	19.40	18.08
90.0	30.96	29.33	27.60	25.97	24.18	22.55	20.87	19.45	18.13
135.0	38.95	37.32	34.69	32.75	31.33	29.38	27.33	25.49	23.81
180.0	47.41	44.31	41.52	39.26	37.27	35.27	33.38	31.70	29.59
225.0	39.00	36.37	34.06	32.17	30.59	28.96	27.23	25.60	24.07
270.0	38.37	35.74	33.32	31.22	29.70	28.17	26.60	25.44	24.13
315.0	32.38	30.85	29.17	27.75	26.60	25.12	23.60	22.23	20.76
360.0	28.23	27.02	26.18	24.91	23.29	21.81	20.45	18.92	17.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.35	15.24	14.35	13.77	13.25	12.88	12.67	12.51	11.83
45.0	16.98	16.03	15.19	14.82	14.45	14.30	14.03	14.09	13.93
90.0	16.82	15.61	14.56	13.67	12.93	12.51	11.83	11.62	11.20
135.0	21.92	20.34	18.76	17.29	15.98	14.82	13.77	12.67	11.72
180.0	27.60	25.76	24.55	21.92	20.18	19.24	17.08	16.19	14.93
225.0	22.39	20.81	19.13	17.82	16.87	15.61	14.03	13.19	12.30
270.0	22.55	21.18	19.82	18.40	17.08	15.98	14.82	13.82	13.19
315.0	19.82	18.50	16.77	16.08	14.93	13.98	13.14	12.25	11.35
360.0	16.35	15.24	14.35	13.77	13.25	12.88	12.67	12.51	11.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.30	8.73	7.88	6.57	5.78	5.47	4.89	4.47	4.05
45.0	13.51	12.09	9.62	7.62	6.41	5.83	5.26	4.84	4.36
90.0	10.14	8.94	7.94	6.83	5.99	5.31	4.84	4.31	3.84
135.0	10.78	9.93	9.04	8.36	7.94	7.31	6.41	6.04	5.57
180.0	13.67	12.40	11.35	10.35	9.30	8.36	7.52	6.78	6.10
225.0	11.30	10.41	9.67	8.99	8.30	7.57	6.83	6.20	5.73
270.0	11.98	11.09	10.57	9.83	9.04	8.30	7.57	6.94	6.36
315.0	10.57	9.83	9.15	8.36	7.73	7.10	6.52	5.89	5.47
360.0	10.30	8.73	7.88	6.57	5.78	5.47	4.89	4.47	4.05

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.63	3.15	2.89	2.52	2.26	2.05	1.84	1.68	1.68
45.0	3.99	3.63	3.31	2.84	2.52	2.21	1.94	1.89	1.89
90.0	3.47	3.15	2.79	2.42	2.21	2.00	1.73	1.73	1.68
135.0	5.10	4.47	4.05	3.57	3.15	2.73	2.42	2.16	1.68
180.0	5.57	5.05	4.52	4.10	3.68	3.21	2.89	2.52	2.21
225.0	5.15	4.73	4.31	3.89	3.42	3.10	2.68	2.31	2.05
270.0	5.73	5.10	4.63	4.10	3.68	3.15	2.84	2.42	2.10
315.0	4.99	4.68	4.15	3.68	3.26	2.84	2.37	2.05	1.79
360.0	3.63	3.15	2.89	2.52	2.26	2.05	1.84	1.68	1.68

Intensity data(cd)

C/γ(°)	90.0
0.0	1.68
45.0	1.79
90.0	1.68
135.0	1.47
180.0	1.89
225.0	1.89
270.0	1.79
315.0	1.52
360.0	1.68