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Nata

Client:
LumCAT: 2-2760-L
Luminaire: 92.70.412.00
Report No: 2024823-B016
Ballast type: AC

Test No: 2024823-C016	Voltage(V): 35.270
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.576
Lamp flux(lm): 3311.0	Power (W): 20.310
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3073.99, Efficiency(%): 92.84% , Luminous Efficacy(lm/W): 151.35
Central intensity(cd): 4516.380, Maximum intensity(cd): 4517.484
Angle of maximum intensity: C=0.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
Field angle(10%Imax): [C0/180]Total=73.4
[C90/270]Total=73.4
Maximum s/h(1/2): C0_180=0.80 C90_270=0.80
Maximum s/h(1/4): C0_180=0.78 C90_270=0.78
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.84%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.392%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4516.380	0.000	0	0.00%	0.00%
1.0	4516.794	4.322	4.322	0.13%	0.14%
2.0	4517.484	12.967	17.289	0.39%	0.56%
3.0	4515.684	21.604	38.893	0.65%	1.27%
4.0	4514.357	30.226	69.12	0.91%	2.25%
5.0	4502.031	38.788	107.908	1.17%	3.51%
6.0	4483.844	47.223	155.131	1.43%	5.05%
7.0	4461.768	55.525	210.656	1.68%	6.85%
8.0	4428.200	63.624	274.28	1.92%	8.92%
9.0	4382.727	71.408	345.688	2.16%	11.25%
10.0	4324.304	78.795	424.483	2.38%	13.81%
11.0	4258.975	85.765	510.248	2.59%	16.60%
12.0	4187.168	92.328	602.576	2.79%	19.60%
13.0	4107.418	98.436	701.012	2.97%	22.80%
14.0	4000.019	103.774	804.787	3.13%	26.18%
15.0	3896.327	108.405	913.191	3.27%	29.71%
16.0	3776.951	112.435	1025.626	3.40%	33.36%
17.0	3629.434	115.337	1140.963	3.48%	37.12%
18.0	3483.948	117.284	1258.248	3.54%	40.93%
19.0	3329.690	118.543	1376.791	3.58%	44.79%
20.0	3157.528	118.734	1495.525	3.59%	48.65%
21.0	2981.043	117.873	1613.398	3.56%	52.49%
22.0	2809.577	116.365	1729.763	3.51%	56.27%
23.0	2634.492	114.231	1843.994	3.45%	59.99%
24.0	2469.636	111.595	1955.589	3.37%	63.62%
25.0	2309.537	108.668	2064.257	3.28%	67.15%
26.0	2150.246	105.274	2169.531	3.18%	70.58%
27.0	1989.294	101.275	2270.805	3.06%	73.87%
28.0	1850.634	97.219	2368.024	2.94%	77.03%
29.0	1687.999	92.581	2460.605	2.80%	80.05%
30.0	1463.971	85.103	2545.707	2.57%	82.81%
31.0	1342.026	78.087	2623.794	2.36%	85.35%
32.0	1114.778	70.385	2694.179	2.13%	87.64%
33.0	987.998	61.949	2756.127	1.87%	89.66%
34.0	837.689	55.251	2811.378	1.67%	91.46%
35.0	673.142	46.921	2858.299	1.42%	92.98%
36.0	542.701	38.713	2897.011	1.17%	94.24%
37.0	406.801	30.967	2927.979	0.94%	95.25%

Nata 2-2760-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	325.625	24.447	2952.426	0.74%	96.05%
39.0	243.266	19.418	2971.844	0.59%	96.68%
40.0	172.996	14.518	2986.362	0.44%	97.15%
41.0	145.710	11.349	2997.711	0.34%	97.52%
42.0	93.108	8.677	3006.387	0.26%	97.80%
43.0	76.334	6.277	3012.664	0.19%	98.00%
44.0	63.226	5.267	3017.931	0.16%	98.18%
45.0	53.955	4.503	3022.435	0.14%	98.32%
46.0	46.774	3.939	3026.374	0.12%	98.45%
47.0	40.710	3.479	3029.853	0.11%	98.56%
48.0	35.729	3.090	3032.944	0.09%	98.66%
49.0	31.583	2.764	3035.708	0.08%	98.75%
50.0	28.233	2.494	3038.202	0.08%	98.84%
51.0	25.624	2.279	3040.48	0.07%	98.91%
52.0	23.331	2.101	3042.581	0.06%	98.98%
53.0	21.380	1.945	3044.526	0.06%	99.04%
54.0	19.875	1.818	3046.344	0.05%	99.10%
55.0	18.522	1.714	3048.058	0.05%	99.16%
56.0	17.181	1.613	3049.672	0.05%	99.21%
57.0	16.143	1.524	3051.195	0.05%	99.26%
58.0	15.118	1.446	3052.641	0.04%	99.31%
59.0	14.212	1.371	3054.012	0.04%	99.35%
60.0	13.397	1.304	3055.316	0.04%	99.39%
61.0	12.628	1.242	3056.558	0.04%	99.43%
62.0	11.905	1.182	3057.741	0.04%	99.47%
63.0	11.281	1.128	3058.868	0.03%	99.51%
64.0	10.769	1.082	3059.95	0.03%	99.54%
65.0	10.112	1.033	3060.984	0.03%	99.58%
66.0	9.619	0.984	3061.968	0.03%	99.61%
67.0	9.152	0.944	3062.912	0.03%	99.64%
68.0	8.686	0.904	3063.816	0.03%	99.67%
69.0	8.259	0.864	3064.68	0.03%	99.70%
70.0	7.806	0.825	3065.505	0.02%	99.72%
71.0	7.385	0.785	3066.29	0.02%	99.75%
72.0	7.011	0.749	3067.039	0.02%	99.77%
73.0	6.603	0.712	3067.751	0.02%	99.80%
74.0	6.183	0.672	3068.423	0.02%	99.82%
75.0	5.815	0.634	3069.057	0.02%	99.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.401	0.595	3069.652	0.02%	99.86%
77.0	5.013	0.555	3070.207	0.02%	99.88%
78.0	4.612	0.515	3070.723	0.02%	99.89%
79.0	4.205	0.474	3071.196	0.01%	99.91%
80.0	3.791	0.431	3071.627	0.01%	99.92%
81.0	3.423	0.390	3072.017	0.01%	99.94%
82.0	3.042	0.351	3072.368	0.01%	99.95%
83.0	2.694	0.312	3072.68	0.01%	99.96%
84.0	2.392	0.277	3072.957	0.01%	99.97%
85.0	2.096	0.245	3073.202	0.01%	99.97%
86.0	1.820	0.214	3073.416	0.01%	99.98%
87.0	1.511	0.182	3073.598	0.01%	99.99%
88.0	1.268	0.152	3073.75	0.00%	99.99%
89.0	1.091	0.129	3073.88	0.00%	100.00%
90.0	0.966	0.113	3073.993	0.00%	100.00%

Zonal flux distribution table

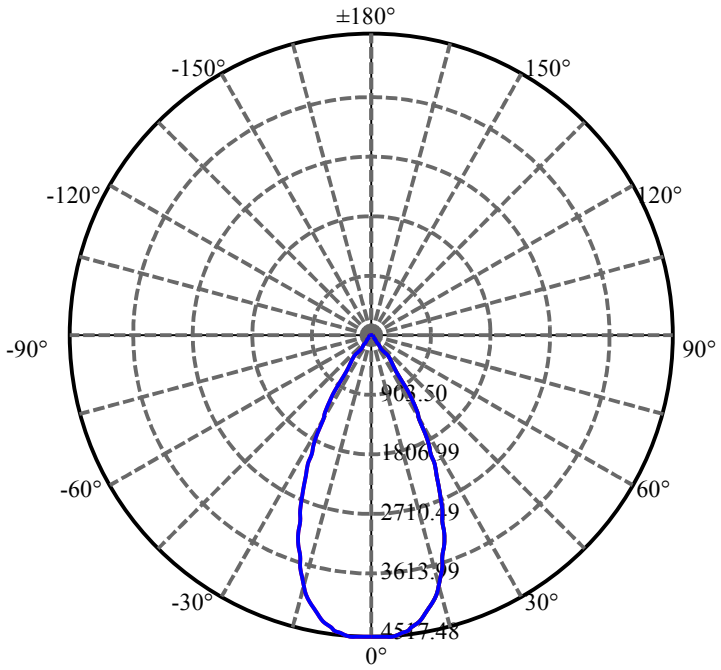
ZONAL LUMEN SUMMARY

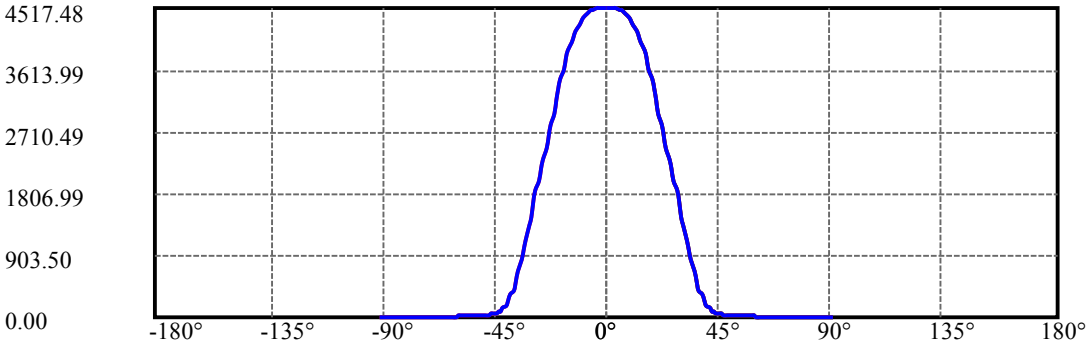
Zone	Lumens	%Lamp	%Fixt
0-30	2545.71	76.89%	82.81%
0-40	2986.36	90.20%	97.15%
0-60	3055.32	92.28%	99.39%
0-90	3073.88	92.84%	100.00%
0-120	3073.88	92.84%	100.00%
0-180	3073.99	92.84%	100.00%
60-90	18.56	0.56%	0.60%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.98	2459.19	74.27%	80.00%

ZONAL LUMEN SUMMARY

0-10	424.48
10-20	1071.04
20-30	1050.18
30-40	440.65
40-50	51.84
50-60	17.11
60-70	10.19
70-80	6.12
80-90	2.25
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:38.7 Right:34.7
:C90/270Left:38.7 Right:34.7

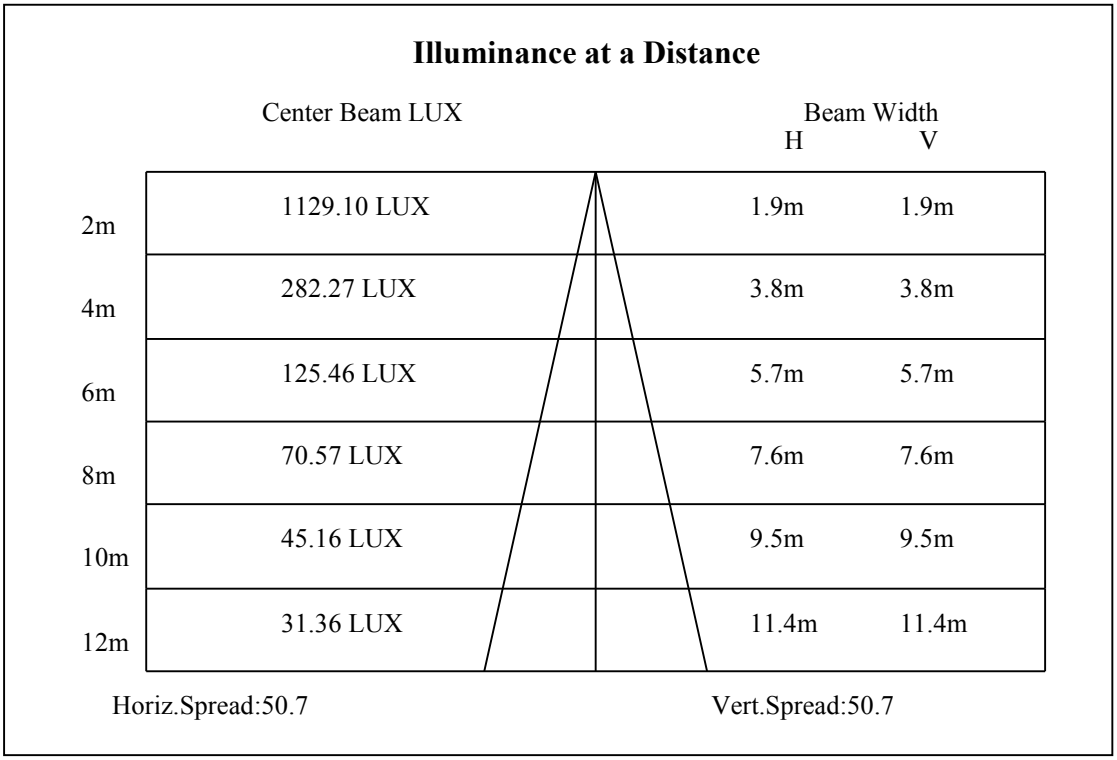
Beam Angle(50%Imax):C0/180Left:27.3 Right:23.3
:C90/270Left:27.3 Right:23.3

Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

Lux distance Curve

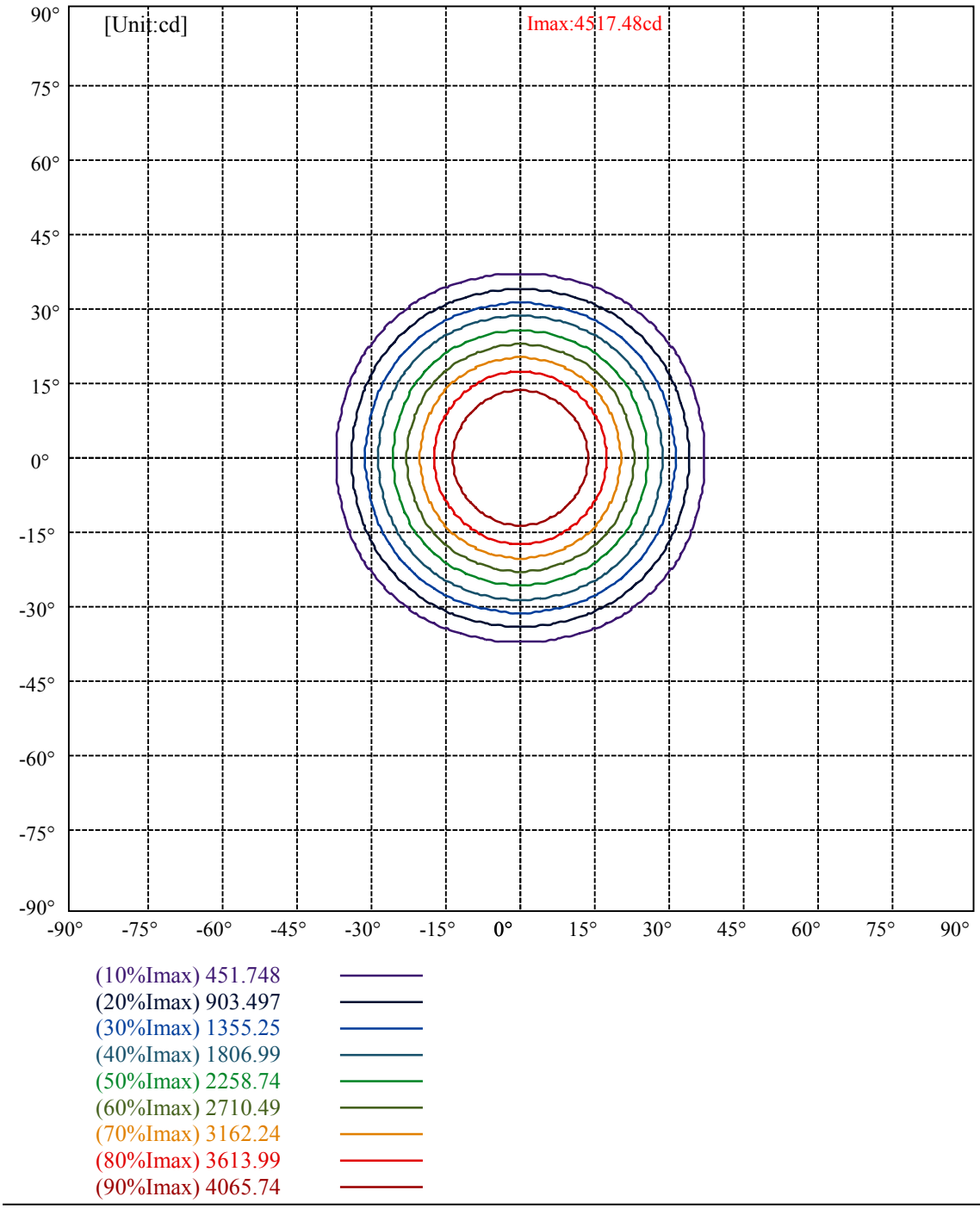


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



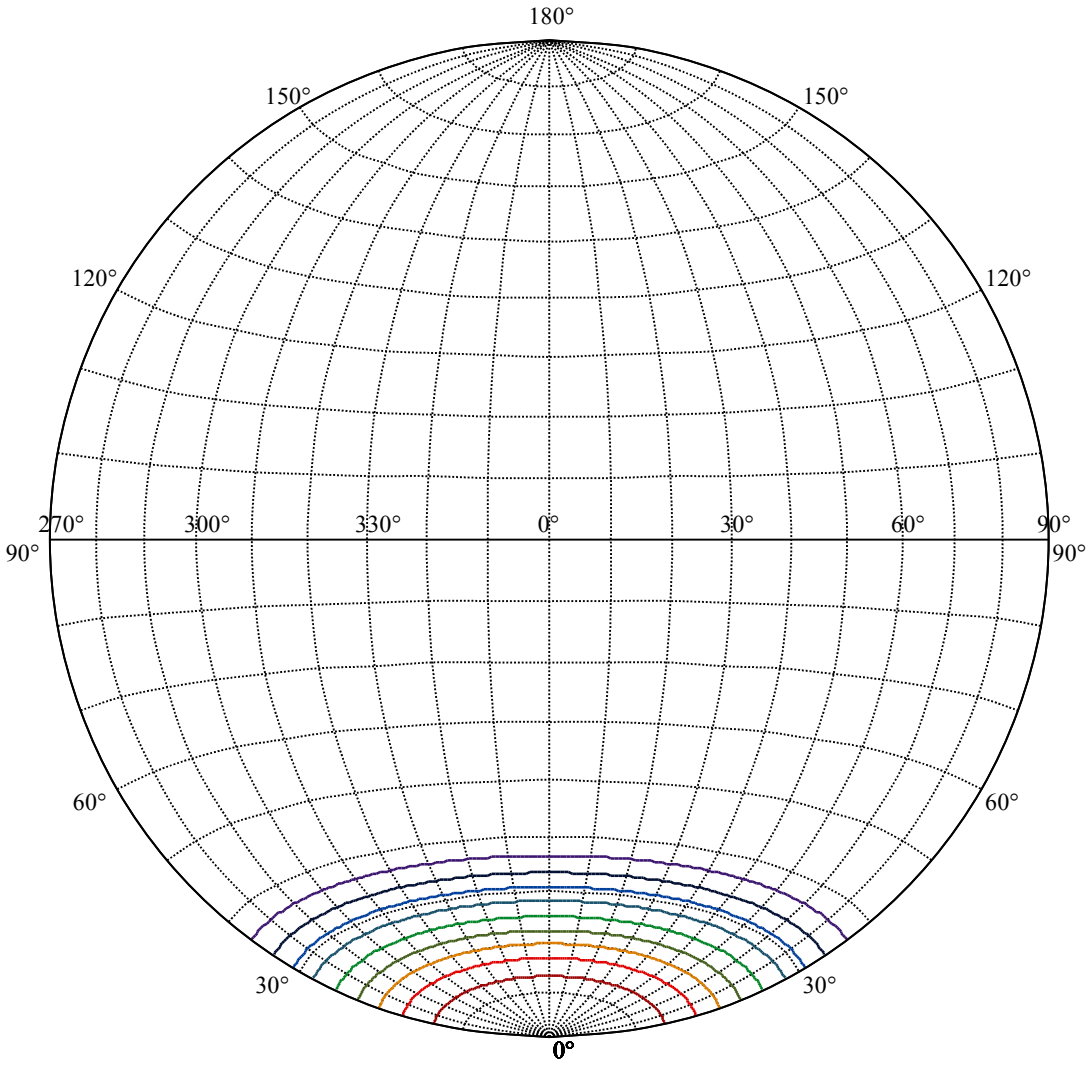
(10%Imax) 451.748
(20%Imax) 903.497
(30%Imax) 1355.25
(40%Imax) 1806.99
(50%Imax) 2258.74
(60%Imax) 2710.49
(70%Imax) 3162.24
(80%Imax) 3613.99
(90%Imax) 4065.74

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:4517.48

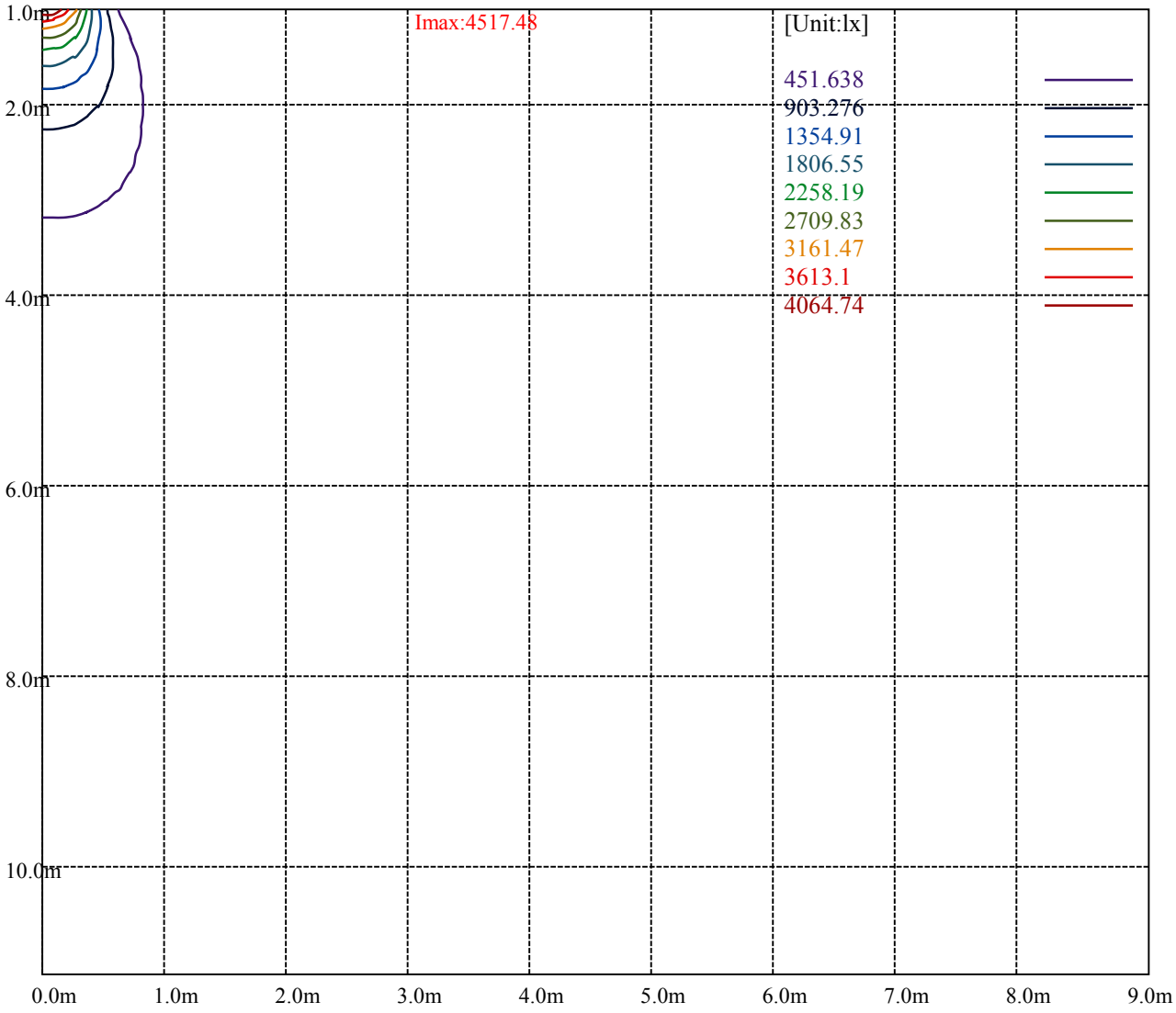
(10%Imax) 451.748
(20%Imax) 903.497
(30%Imax) 1355.25
(40%Imax) 1806.99
(50%Imax) 2258.74
(60%Imax) 2710.49
(70%Imax) 3162.24
(80%Imax) 3613.99
(90%Imax) 4065.74

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

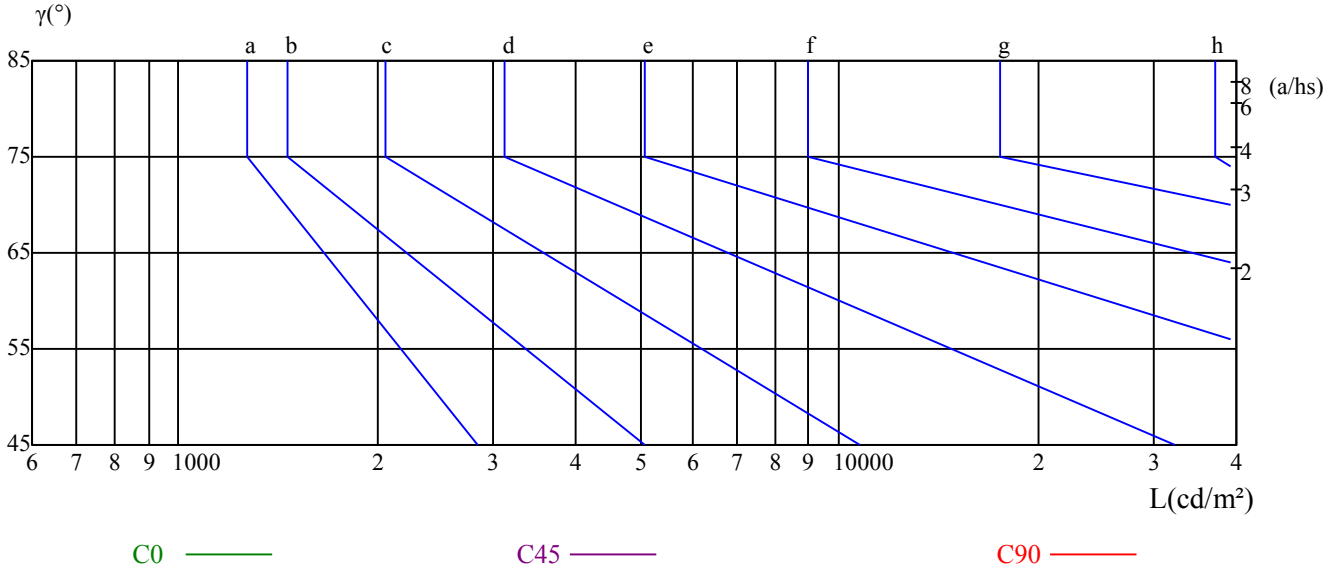
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

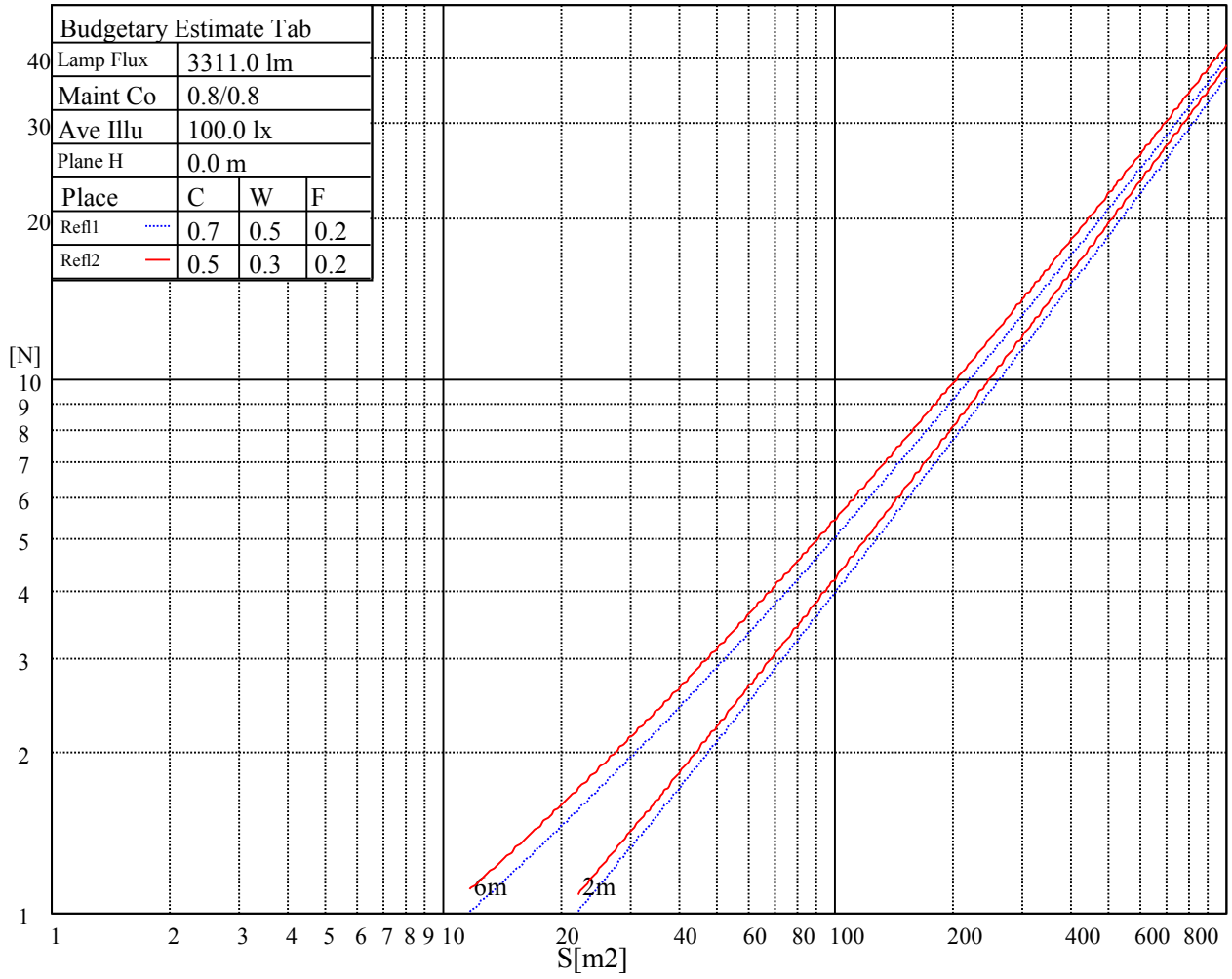
Luminance Limitting Curve



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

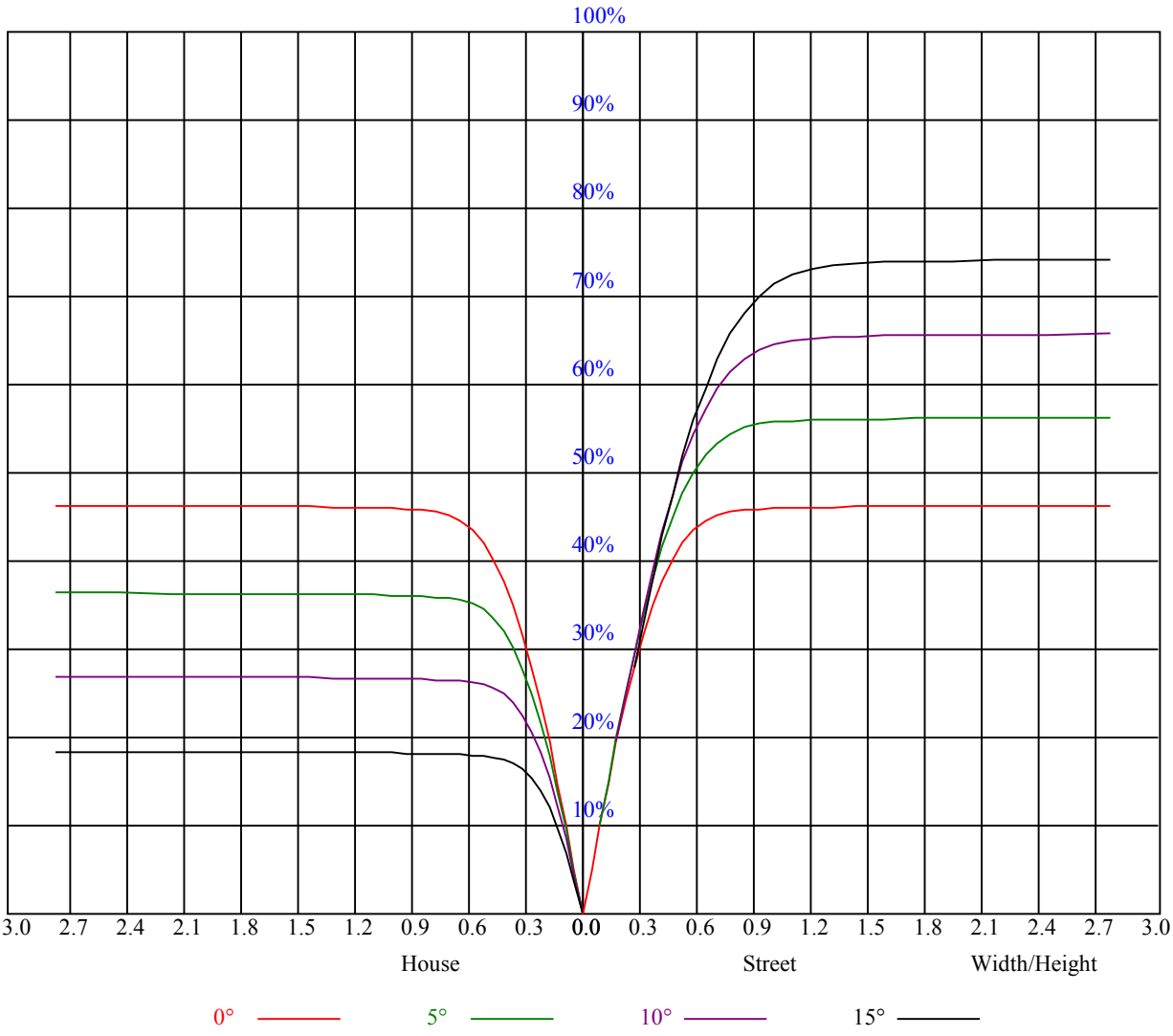
Date: 2024/8/23
Humidity(%): 60.0%

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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
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	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.75	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.65
7	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59
9	0.66	0.61	0.57	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.56
10	0.63	0.58	0.55	0.62	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53

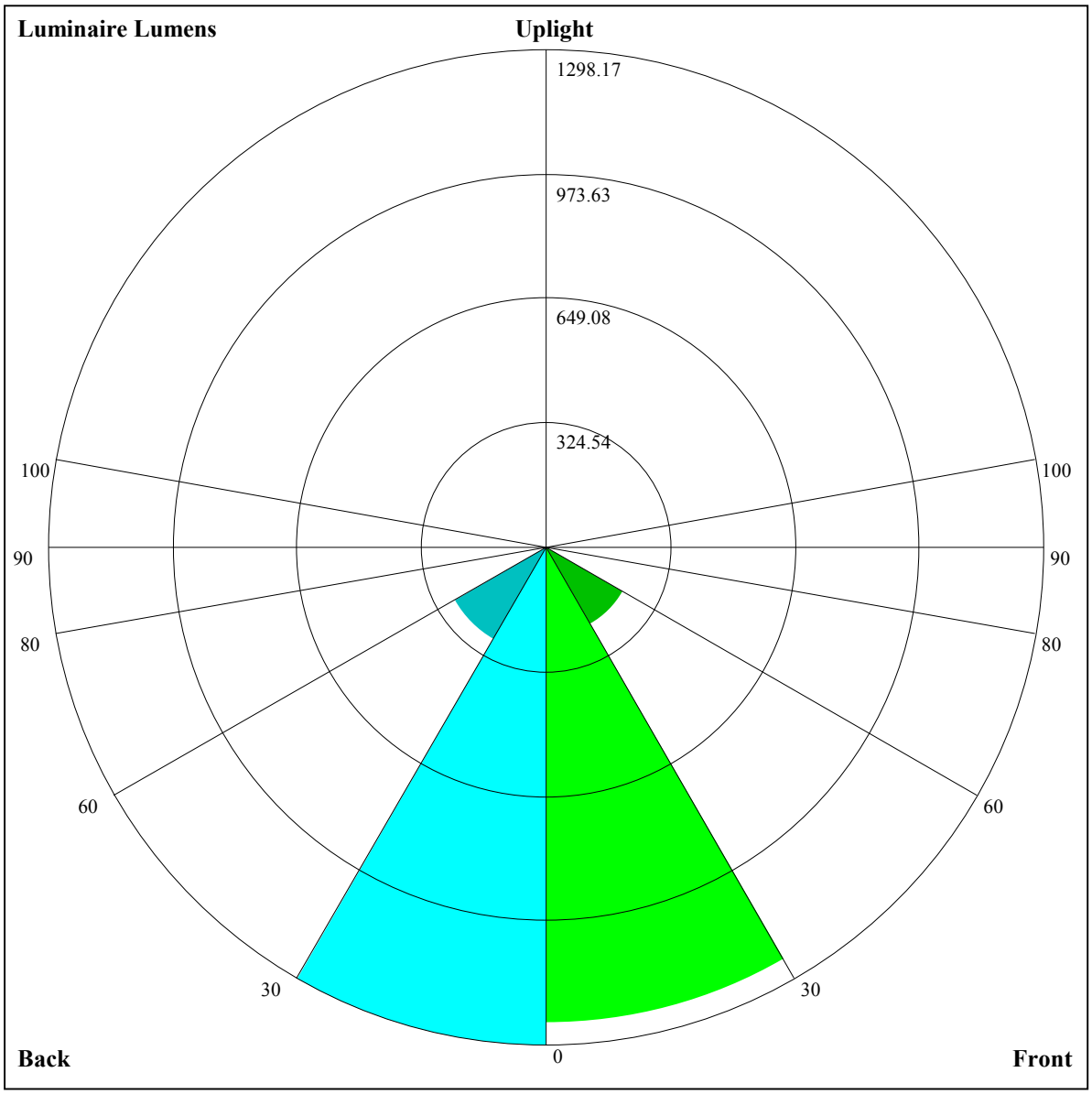
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1241.06,FM=233.63,FH=7.92,FVH=1.14
BL=1298.17,BM=277.94,BH=8.37,BVH=1.26
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	4503.29	4489.89	4476.54	4454.25	4442.00	4394.65	4364.53	4314.38	4273.17
45.0	4516.12	4509.97	4501.03	4476.54	4466.50	4444.21	4405.21	4364.53	4326.10
90.0	4526.10	4520.01	4516.64	4507.76	4492.67	4471.54	4411.89	4389.07	4340.03
135.0	4520.01	4520.01	4524.47	4541.19	4541.19	4522.79	4507.76	4480.43	4454.83
180.0	4503.29	4513.33	4521.11	4537.83	4550.07	4565.68	4571.26	4570.68	4553.96
225.0	4516.12	4541.19	4547.87	4556.22	4576.83	4579.03	4581.82	4574.04	4528.89
270.0	4526.10	4519.43	4528.89	4533.94	4535.62	4546.76	4543.98	4539.51	4527.79
315.0	4520.01	4520.53	4523.32	4517.75	4509.97	4491.57	4484.32	4461.51	4420.82
360.0	4503.29	4489.89	4476.54	4454.25	4442.00	4394.65	4364.53	4314.38	4273.17

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4217.46	4143.92	4062.03	3981.77	3883.74	3779.51	3650.83	3505.97	3358.32
45.0	4269.81	4212.46	4143.92	4063.13	4008.52	3868.13	3799.59	3672.54	3534.93
90.0	4282.11	4220.82	4142.82	4050.31	3951.70	3831.33	3694.83	3531.04	3369.99
135.0	4404.68	4343.40	4274.86	4198.53	4114.38	4017.98	3908.81	3833.02	3626.87
180.0	4524.47	4471.54	4422.50	4353.38	4307.18	4189.60	4090.41	4025.81	3859.19
225.0	4489.36	4438.64	4370.68	4299.93	4210.20	4114.38	4009.10	3880.37	3749.44
270.0	4503.82	4451.47	4401.32	4362.90	4280.95	4197.38	4121.06	3991.23	3902.08
315.0	4370.10	4312.17	4253.67	4187.39	4102.66	4001.85	3895.99	3775.62	3634.64
360.0	4217.46	4143.92	4062.03	3981.77	3883.74	3779.51	3650.83	3505.97	3358.32

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3186.13	3021.24	2849.05	2678.59	2518.69	2365.47	2215.56	2090.78	1901.34
45.0	3387.29	3216.77	3042.95	2870.23	2690.25	2517.01	2344.81	2173.77	2002.74
90.0	3194.49	3011.20	2829.02	2647.36	2476.90	2315.85	2153.17	1993.28	1904.13
135.0	3478.11	3377.82	3195.64	3011.78	2830.12	2648.47	2475.75	2315.33	2154.85
180.0	3774.51	3622.98	3460.29	3281.42	3097.56	2913.70	2733.20	2557.69	2389.39
225.0	3596.80	3427.97	3238.53	3054.09	2871.33	2700.87	2529.25	2368.26	2212.25
270.0	3770.05	3630.75	3476.43	3305.92	3127.63	2947.13	2767.73	2595.01	2431.75
315.0	3484.21	3328.78	3168.31	2998.95	2864.13	2667.44	2537.61	2382.19	2205.52
360.0	3186.13	3021.24	2849.05	2678.59	2518.69	2365.47	2215.56	2090.78	1901.34

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1733.09	1592.12	1414.35	1060.13	1060.13	886.73	724.42	574.46	435.48
45.0	1833.38	1658.98	1474.01	1285.10	1098.45	922.94	760.26	669.44	481.10
90.0	1677.90	1570.94	1392.07	1005.94	1005.94	834.80	675.48	527.15	388.38
135.0	1999.37	1843.95	1676.22	1502.39	1321.89	1140.82	963.05	790.33	628.75
180.0	2229.49	2074.06	1921.95	1768.15	1606.57	1433.85	1258.92	1084.52	915.17
225.0	2062.34	1980.45	1835.01	1610.52	1508.54	1093.98	1023.18	988.18	820.13
270.0	2289.68	2143.13	2006.63	1866.81	1702.45	1532.51	1426.07	1172.56	988.12
315.0	2089.10	1941.45	1783.76	1612.72	1432.22	1072.59	1072.59	894.88	727.99
360.0	1733.09	1592.12	1414.35	1060.13	1060.13	886.73	724.42	574.46	435.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	315.01	220.66	157.11	119.16	95.09	78.11	69.86	59.34	48.04
45.0	410.36	307.28	307.28	155.95	119.79	95.19	77.58	64.55	54.88
90.0	270.54	181.55	127.99	98.45	79.00	65.18	55.98	48.41	44.47
135.0	478.90	348.54	302.81	302.81	131.35	102.13	82.79	69.01	58.98
180.0	753.01	601.47	461.08	335.14	335.14	289.46	124.68	100.71	82.73
225.0	659.03	509.80	378.50	266.91	180.82	128.25	102.60	87.52	69.54
270.0	884.52	655.51	563.58	423.76	299.50	299.50	137.35	105.02	83.94
315.0	570.25	429.59	306.65	243.94	143.29	107.86	94.03	76.11	63.23
360.0	315.01	220.66	157.11	119.16	95.09	78.11	69.86	59.34	48.04

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	43.99	38.42	33.80	30.07	26.96	24.39	22.39	20.66	19.08
45.0	47.20	40.84	35.80	31.70	28.44	25.76	24.39	22.34	19.92
90.0	36.79	34.22	30.33	27.33	24.70	22.65	20.92	19.40	17.98
135.0	50.72	43.89	38.42	33.96	30.22	27.33	24.91	22.76	20.92
180.0	69.22	59.61	51.62	44.99	39.42	34.74	31.06	27.96	25.49
225.0	61.66	53.09	45.99	40.11	35.16	31.17	27.96	25.34	23.13
270.0	68.07	57.87	49.78	42.94	37.21	32.69	29.01	26.02	24.02
315.0	53.98	46.26	39.95	34.74	30.54	27.12	24.34	22.18	20.50
360.0	43.99	38.42	33.80	30.07	26.96	24.39	22.39	20.66	19.08

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.77	16.61	15.61	14.56	13.77	12.98	12.25	11.56	10.99
45.0	19.03	17.77	16.14	15.61	14.56	13.82	13.04	12.30	11.62
90.0	16.87	15.82	14.88	13.98	13.19	12.51	11.77	11.20	10.62
135.0	19.40	18.55	16.82	16.14	15.14	14.19	13.35	12.62	11.93
180.0	24.18	22.23	20.55	18.98	17.71	16.45	15.40	14.45	13.56
225.0	21.24	19.66	18.24	16.93	15.82	14.82	13.93	13.09	12.30
270.0	21.60	19.97	18.82	17.56	16.29	15.35	14.40	13.56	12.72
315.0	18.92	17.56	16.40	15.40	14.45	13.56	13.04	12.25	11.51
360.0	17.77	16.61	15.61	14.56	13.77	12.98	12.25	11.56	10.99

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.41	10.04	9.36	8.94	8.57	8.09	7.67	7.25	6.83
45.0	11.04	10.51	9.93	9.41	8.88	8.52	8.04	7.57	7.15
90.0	10.09	9.72	9.04	8.62	8.41	7.94	7.57	7.15	6.73
135.0	11.20	10.62	10.09	9.51	8.99	8.57	8.20	7.67	7.25
180.0	12.72	12.09	11.35	10.67	10.14	9.62	9.15	8.62	8.20
225.0	11.62	11.25	10.41	10.09	9.51	8.99	8.57	8.09	7.67
270.0	12.14	11.46	10.83	10.25	9.78	9.30	8.78	8.36	7.94
315.0	11.04	10.46	9.88	9.46	8.94	8.46	8.09	7.73	7.31
360.0	10.41	10.04	9.36	8.94	8.57	8.09	7.67	7.25	6.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.52	5.99	5.57	5.20	4.84	4.36	3.89	3.57	3.15
45.0	6.94	6.52	5.99	5.73	5.26	4.89	4.47	3.99	3.63
90.0	6.36	5.94	5.57	5.10	4.68	4.26	3.89	3.47	3.05
135.0	6.89	6.52	6.04	5.68	5.31	4.89	4.47	4.10	3.68
180.0	7.73	7.36	6.89	6.47	6.10	5.68	5.26	4.94	4.36
225.0	7.25	6.89	6.52	6.04	5.68	5.26	4.89	4.52	4.10
270.0	7.57	7.10	6.78	6.57	6.04	5.83	5.47	4.89	4.63
315.0	6.83	6.52	6.10	5.73	5.31	4.94	4.57	4.15	3.73
360.0	6.52	5.99	5.57	5.20	4.84	4.36	3.89	3.57	3.15

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.84	2.47	2.26	1.94	1.73	1.52	1.10	0.79	0.84
45.0	3.21	2.84	2.42	2.10	1.89	1.58	1.26	1.05	0.89
90.0	2.73	2.42	2.10	1.84	1.68	1.37	1.05	0.95	1.00
135.0	3.26	2.84	2.52	2.21	1.94	1.68	1.37	1.05	0.79
180.0	4.05	3.63	3.21	2.89	2.42	2.10	1.84	1.58	1.26
225.0	3.73	3.36	2.94	2.68	2.31	2.10	1.84	1.52	1.26
270.0	4.21	3.68	3.36	3.05	2.68	2.37	2.05	1.84	1.58
315.0	3.36	3.10	2.73	2.42	2.10	1.84	1.58	1.37	1.10
360.0	2.84	2.47	2.26	1.94	1.73	1.52	1.10	0.79	0.84

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.84
90.0	1.00
135.0	0.79
180.0	1.05
225.0	1.10
270.0	1.26
315.0	0.89
360.0	0.79