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Nata

Client:
LumCAT: 2-2756-L
Luminaire: 92.70.412.00
Report No: 2024823-B015
Ballast type: AC

Test No: 2024823-C015	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): 3064.26, Efficiency(%): 92.55% , Luminous Efficacy(lm/W): 150.73
Central intensity(cd): 6590.273, Maximum intensity(cd): 6590.273
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=67.2
[C90/270]Total=67.2
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(%): 92.55%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.311%

Nata 2-2756-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6590.273	0.000	0	0.00%	0.00%
1.0	6573.493	6.299	6.299	0.19%	0.21%
2.0	6518.814	18.791	25.09	0.57%	0.82%
3.0	6443.670	31.002	56.092	0.94%	1.83%
4.0	6342.822	42.800	98.892	1.29%	3.23%
5.0	6210.003	54.002	152.894	1.63%	4.99%
6.0	6051.284	64.436	217.33	1.95%	7.09%
7.0	5878.978	74.051	291.381	2.24%	9.51%
8.0	5687.466	82.779	374.16	2.50%	12.21%
9.0	5484.023	90.539	464.699	2.73%	15.17%
10.0	5254.476	97.179	561.878	2.94%	18.34%
11.0	5027.643	102.739	664.618	3.10%	21.69%
12.0	4807.425	107.511	772.129	3.25%	25.20%
13.0	4583.864	111.451	883.58	3.37%	28.84%
14.0	4348.673	114.336	997.916	3.45%	32.57%
15.0	4134.928	116.467	1114.383	3.52%	36.37%
16.0	3872.575	117.332	1231.715	3.54%	40.20%
17.0	3645.880	117.083	1348.797	3.54%	44.02%
18.0	3425.038	116.584	1465.382	3.52%	47.82%
19.0	3202.029	115.297	1580.679	3.48%	51.58%
20.0	2983.625	113.215	1693.894	3.42%	55.28%
21.0	2783.598	110.742	1804.636	3.34%	58.89%
22.0	2585.254	107.889	1912.525	3.26%	62.41%
23.0	2374.931	104.078	2016.603	3.14%	65.81%
24.0	2200.385	100.033	2116.636	3.02%	69.07%
25.0	2019.103	95.942	2212.578	2.90%	72.21%
26.0	1859.550	91.556	2304.134	2.77%	75.19%
27.0	1689.194	86.821	2390.955	2.62%	78.03%
28.0	1470.213	79.989	2470.944	2.42%	80.64%
29.0	1359.332	74.029	2544.973	2.24%	83.05%
30.0	1145.725	67.636	2612.609	2.04%	85.26%
31.0	1024.962	60.407	2673.016	1.82%	87.23%
32.0	883.536	54.676	2727.693	1.65%	89.02%
33.0	737.334	47.751	2775.444	1.44%	90.57%
34.0	602.471	40.546	2815.99	1.22%	91.90%
35.0	500.283	34.247	2850.238	1.03%	93.02%
36.0	410.966	29.014	2879.252	0.88%	93.96%
37.0	341.203	24.532	2903.784	0.74%	94.76%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	291.472	21.118	2924.902	0.64%	95.45%
39.0	234.317	17.947	2942.848	0.54%	96.04%
40.0	197.957	15.076	2957.925	0.46%	96.53%
41.0	163.634	12.876	2970.801	0.39%	96.95%
42.0	125.723	10.513	2981.313	0.32%	97.29%
43.0	104.764	8.538	2989.851	0.26%	97.57%
44.0	84.645	7.149	2997	0.22%	97.80%
45.0	71.636	6.006	3003.006	0.18%	98.00%
46.0	59.494	5.128	3008.134	0.15%	98.17%
47.0	50.605	4.379	3012.513	0.13%	98.31%
48.0	44.054	3.827	3016.34	0.12%	98.44%
49.0	38.633	3.396	3019.736	0.10%	98.55%
50.0	34.527	3.050	3022.786	0.09%	98.65%
51.0	30.946	2.770	3025.556	0.08%	98.74%
52.0	28.147	2.536	3028.092	0.08%	98.82%
53.0	25.696	2.342	3030.434	0.07%	98.90%
54.0	23.679	2.176	3032.61	0.07%	98.97%
55.0	21.754	2.028	3034.638	0.06%	99.03%
56.0	20.329	1.902	3036.54	0.06%	99.10%
57.0	18.909	1.794	3038.334	0.05%	99.15%
58.0	17.615	1.689	3040.023	0.05%	99.21%
59.0	16.544	1.597	3041.62	0.05%	99.26%
60.0	15.578	1.518	3043.137	0.05%	99.31%
61.0	14.632	1.442	3044.579	0.04%	99.36%
62.0	13.857	1.373	3045.952	0.04%	99.40%
63.0	13.081	1.310	3047.262	0.04%	99.45%
64.0	12.339	1.247	3048.509	0.04%	99.49%
65.0	11.682	1.189	3049.698	0.04%	99.52%
66.0	11.104	1.137	3050.835	0.03%	99.56%
67.0	10.519	1.087	3051.922	0.03%	99.60%
68.0	9.947	1.037	3052.959	0.03%	99.63%
69.0	9.415	0.988	3053.947	0.03%	99.66%
70.0	8.863	0.939	3054.886	0.03%	99.69%
71.0	8.430	0.894	3055.779	0.03%	99.72%
72.0	7.904	0.849	3056.629	0.03%	99.75%
73.0	7.464	0.804	3057.432	0.02%	99.78%
74.0	6.965	0.759	3058.191	0.02%	99.80%
75.0	6.537	0.713	3058.904	0.02%	99.83%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.018	0.667	3059.571	0.02%	99.85%
77.0	5.604	0.620	3060.191	0.02%	99.87%
78.0	5.138	0.575	3060.766	0.02%	99.89%
79.0	4.665	0.527	3061.292	0.02%	99.90%
80.0	4.179	0.477	3061.769	0.01%	99.92%
81.0	3.739	0.428	3062.197	0.01%	99.93%
82.0	3.265	0.380	3062.577	0.01%	99.94%
83.0	2.871	0.334	3062.911	0.01%	99.96%
84.0	2.503	0.293	3063.203	0.01%	99.97%
85.0	2.175	0.255	3063.459	0.01%	99.97%
86.0	1.846	0.220	3063.679	0.01%	99.98%
87.0	1.583	0.188	3063.866	0.01%	99.99%
88.0	1.281	0.157	3064.023	0.00%	99.99%
89.0	1.071	0.129	3064.152	0.00%	100.00%
90.0	0.946	0.111	3064.263	0.00%	100.00%

Zonal flux distribution table

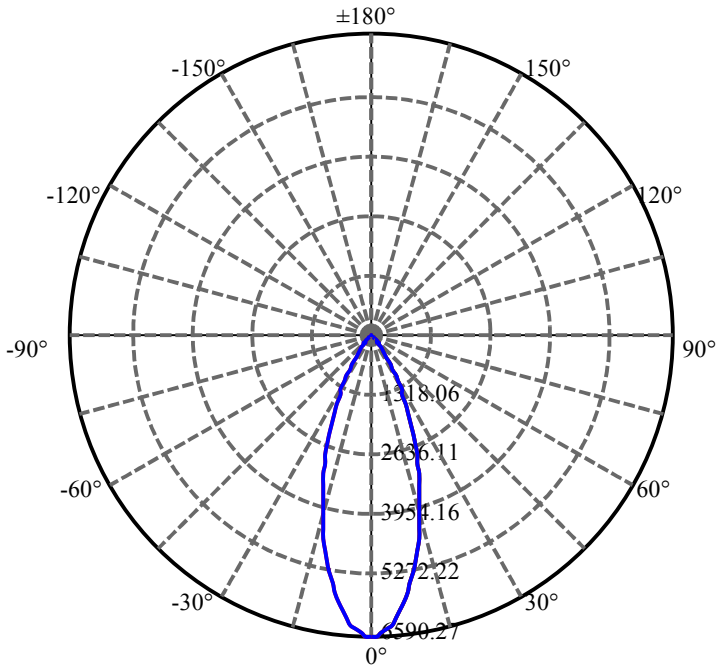
ZONAL LUMEN SUMMARY

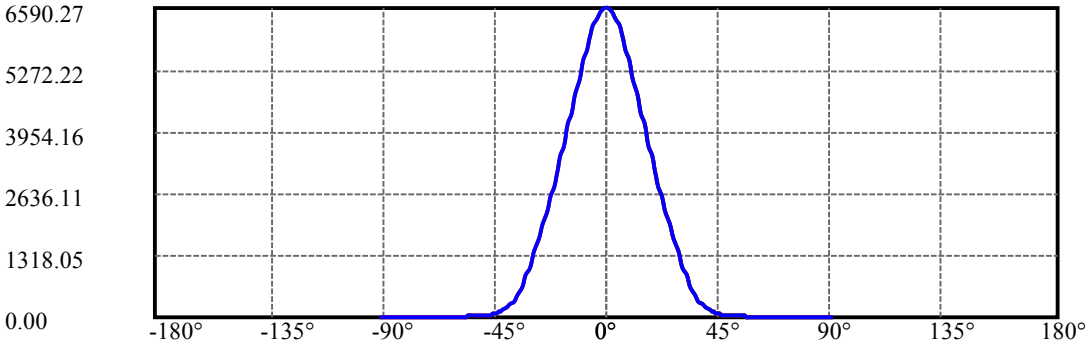
Zone	Lumens	%Lamp	%Fixt
0-30	2612.61	78.91%	85.26%
0-40	2957.92	89.34%	96.53%
0-60	3043.14	91.91%	99.31%
0-90	3064.15	92.54%	100.00%
0-120	3064.15	92.54%	100.00%
0-180	3064.26	92.55%	100.00%
60-90	21.01	0.63%	0.69%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.76	2451.41	74.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	561.88
10-20	1132.02
20-30	918.72
30-40	345.32
40-50	64.86
50-60	20.35
60-70	11.75
70-80	6.88
80-90	2.38
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):

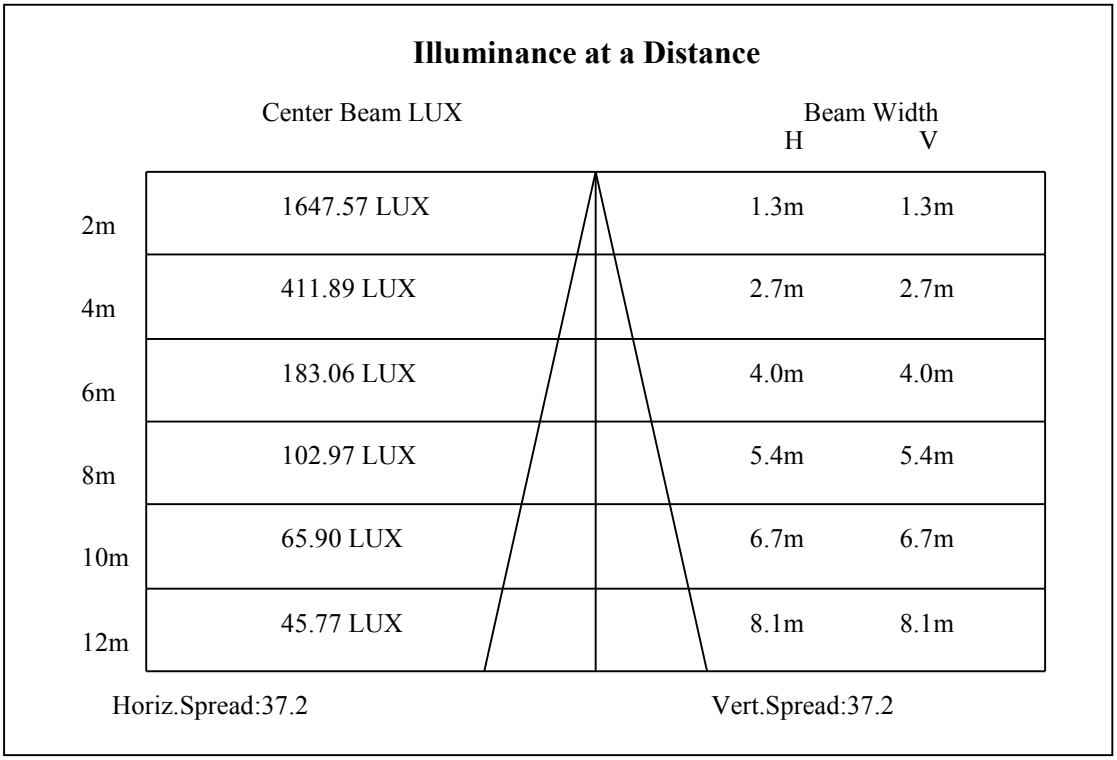
C0/C180:

C90/C270:

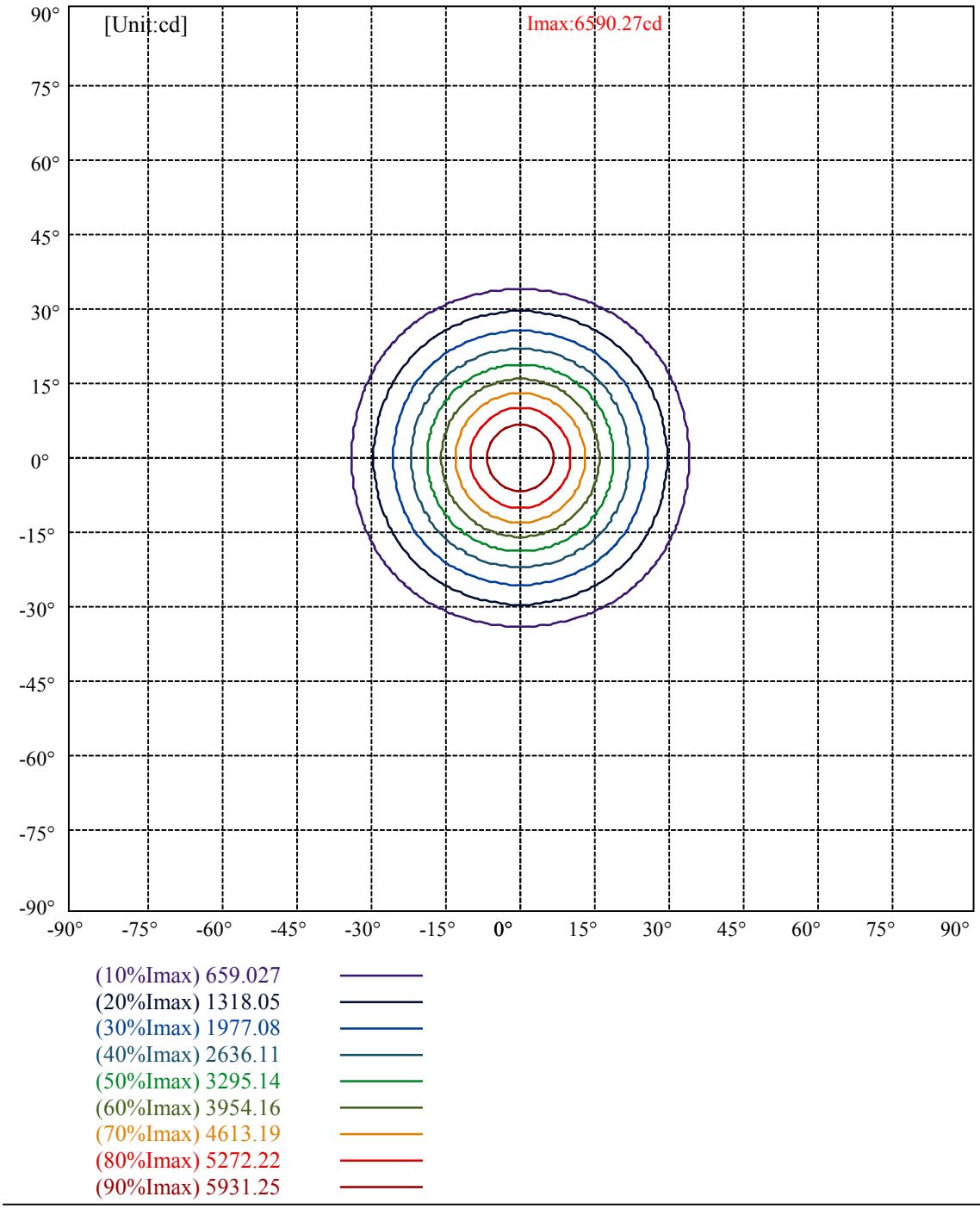
Field angle(10%Imax):C0/180Left:33.6 Right:33.6
:C90/270Left:33.6 Right:33.6

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

Lux distance Curve



ISO-Intensity(V-H)

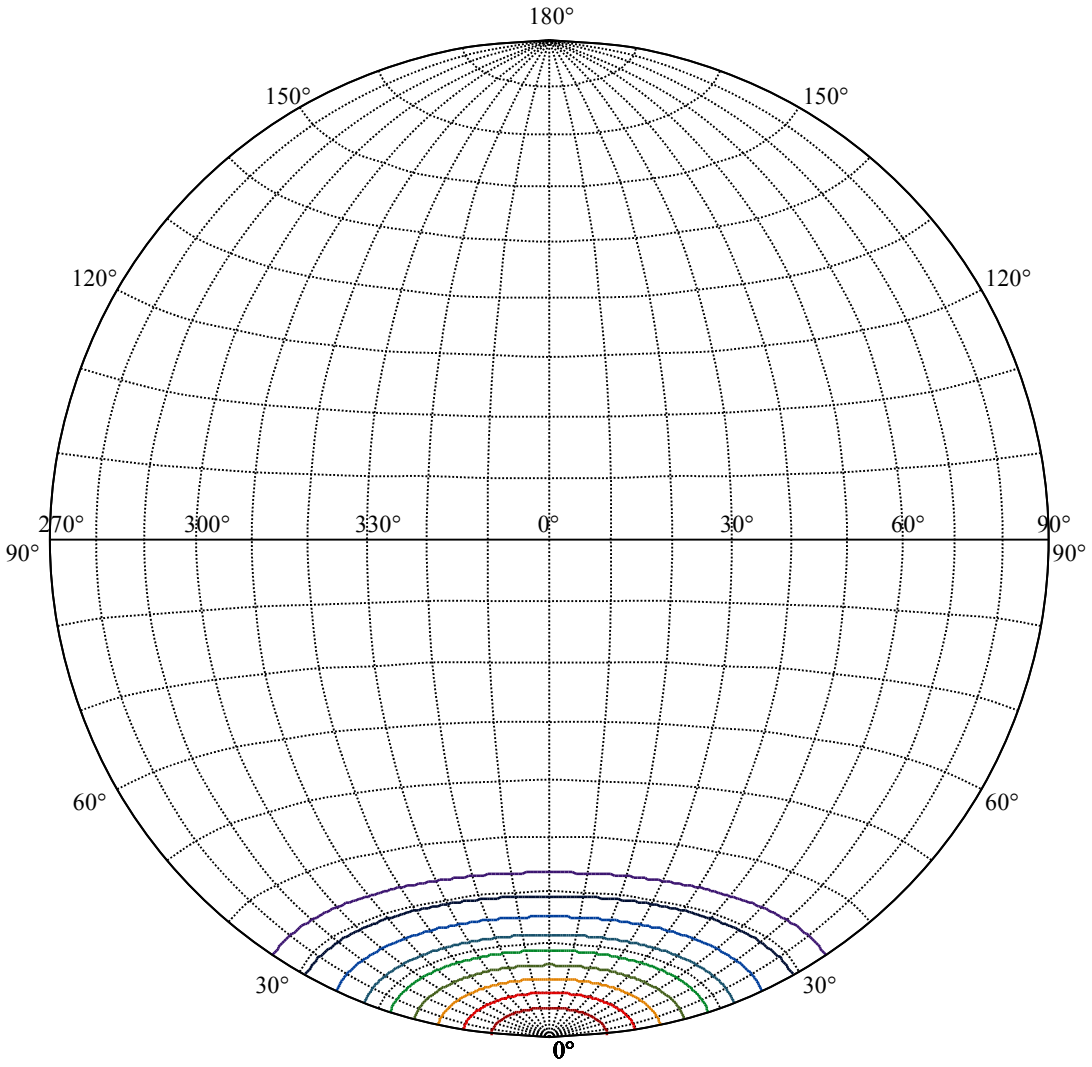


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

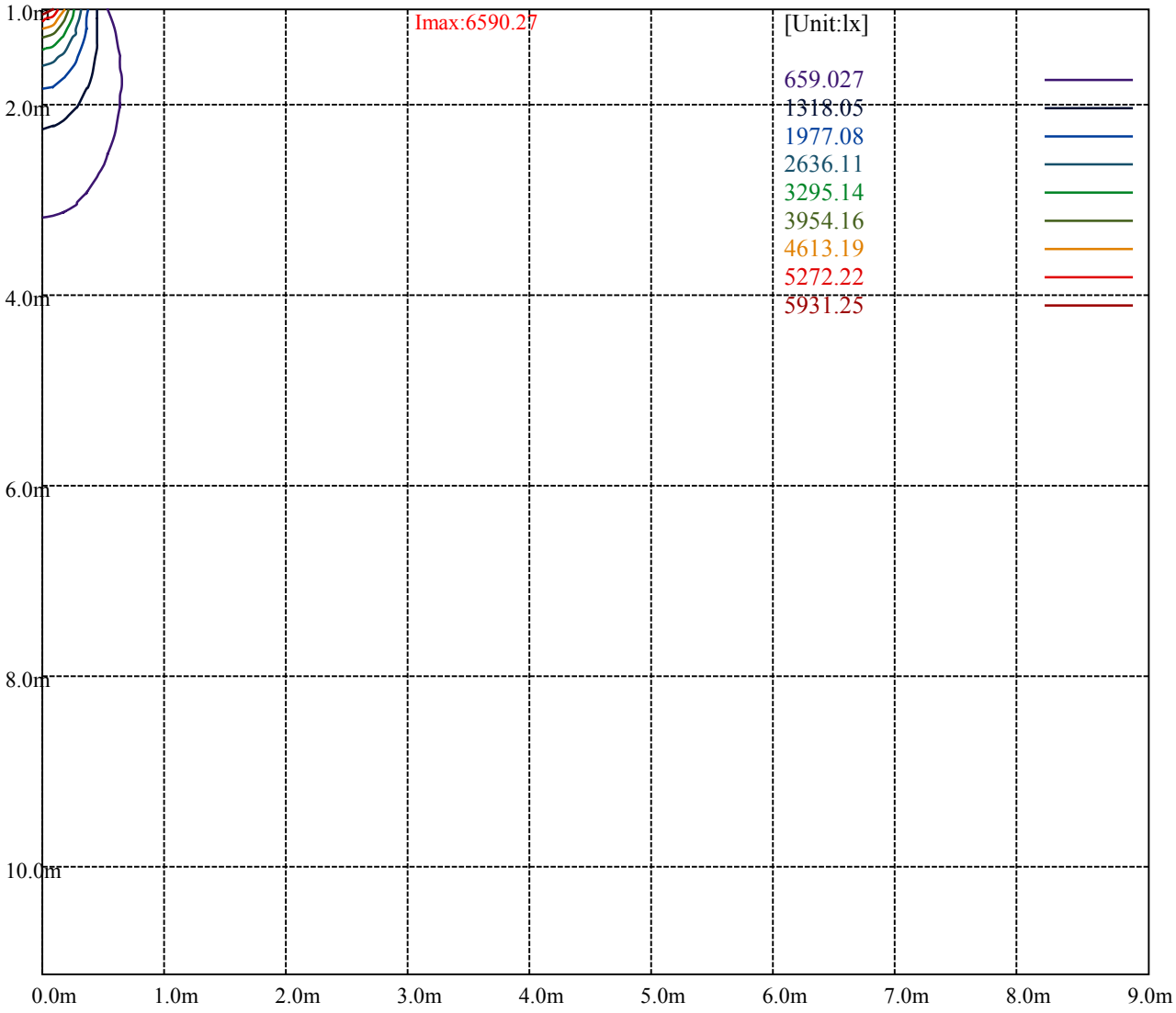


House [Unit:cd] Road

Imax:6590.27

(10%Imax) 659.027
(20%Imax) 1318.05
(30%Imax) 1977.08
(40%Imax) 2636.11
(50%Imax) 3295.14
(60%Imax) 3954.16
(70%Imax) 4613.19
(80%Imax) 5272.22
(90%Imax) 5931.25

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

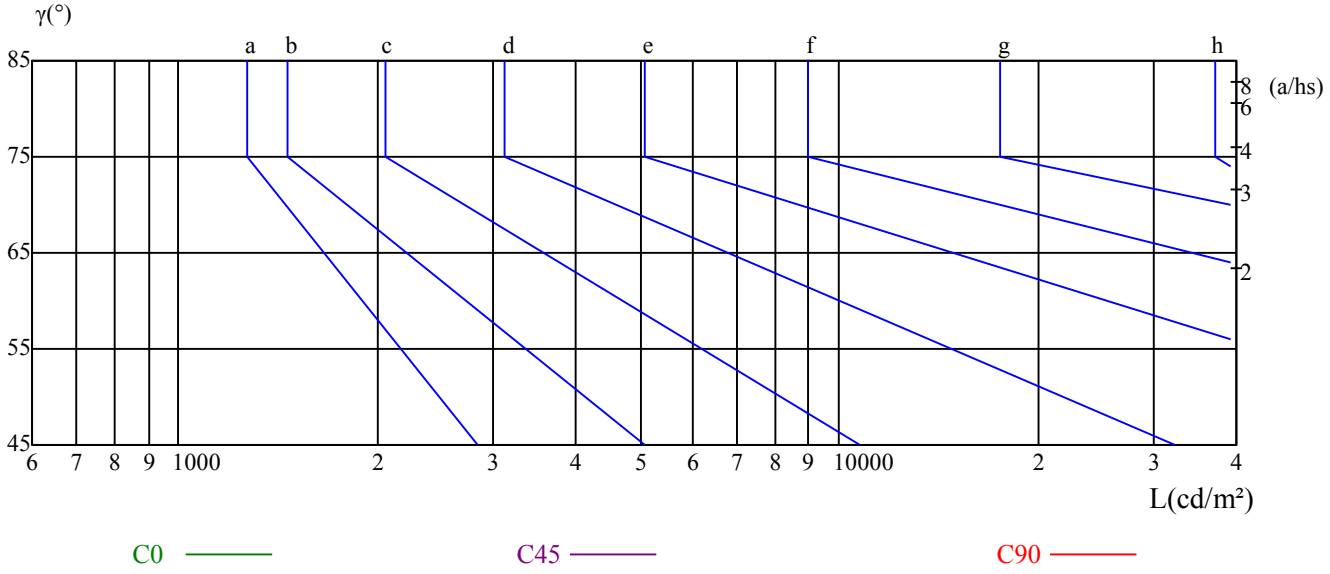
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

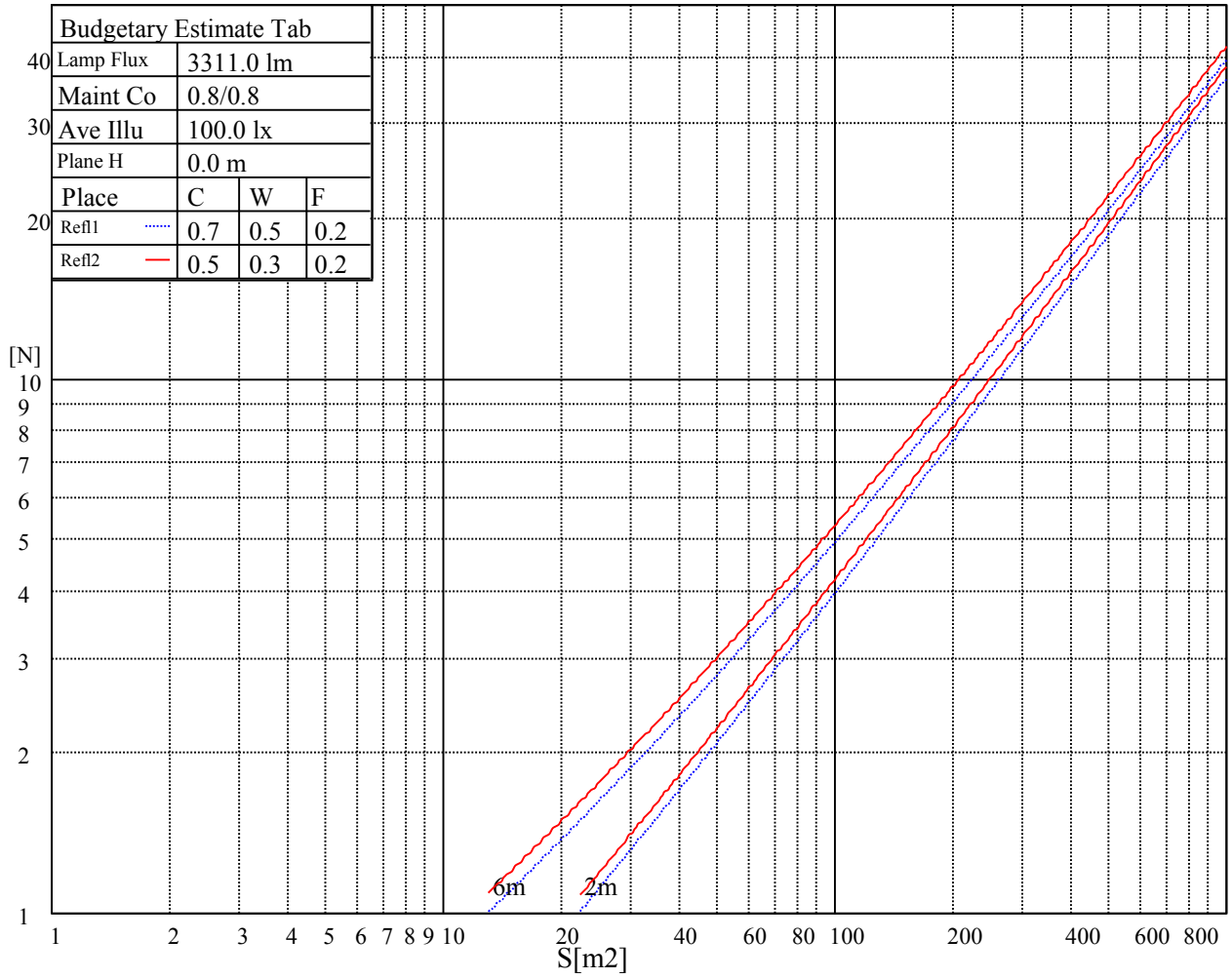
Date: 2024/8/23
Humidity(%): 60.0%

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

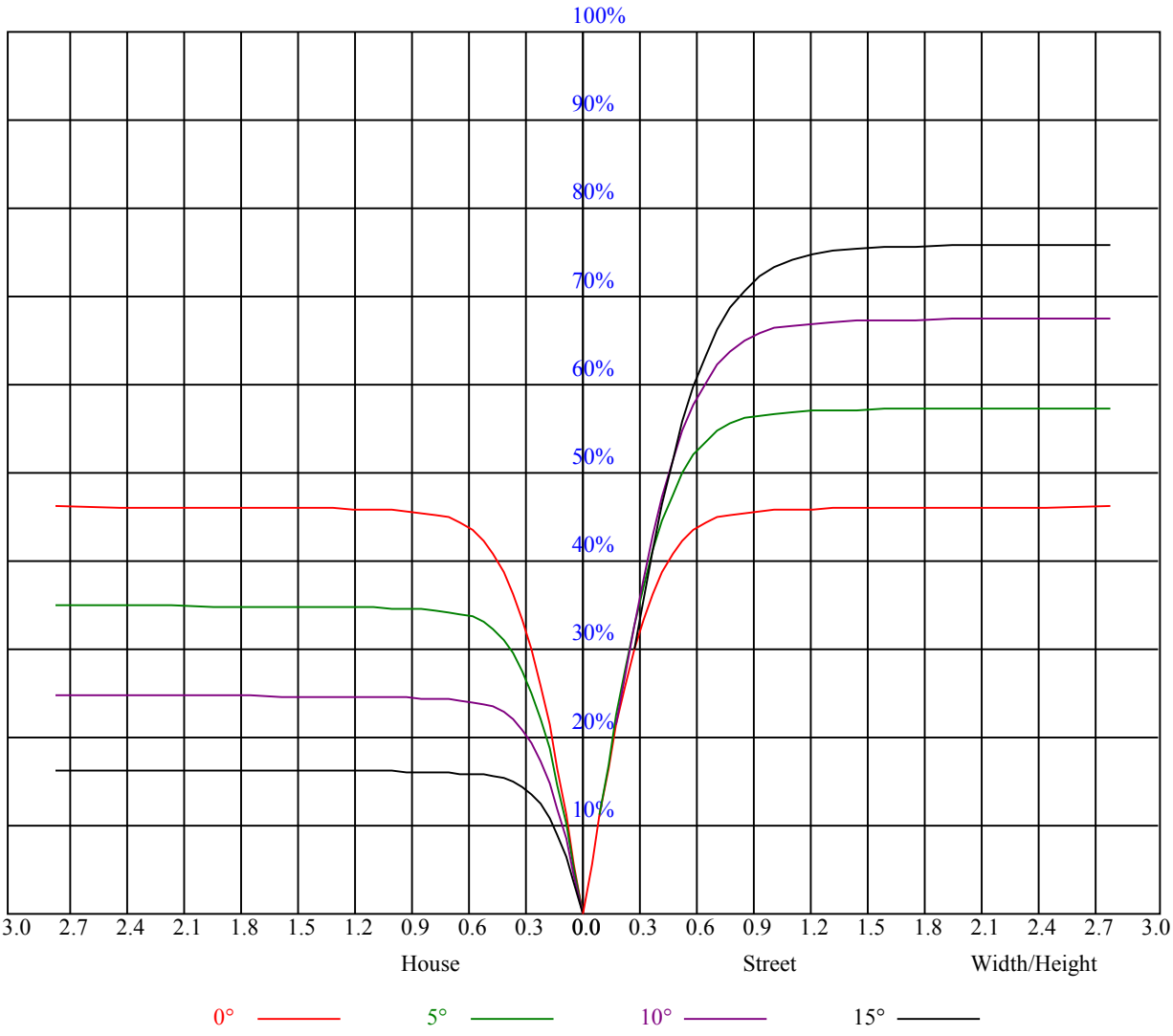
Date: 2024/8/23
Humidity(%): 60.0%

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	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	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	0.94	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	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.76	0.74
5	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.73	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.56

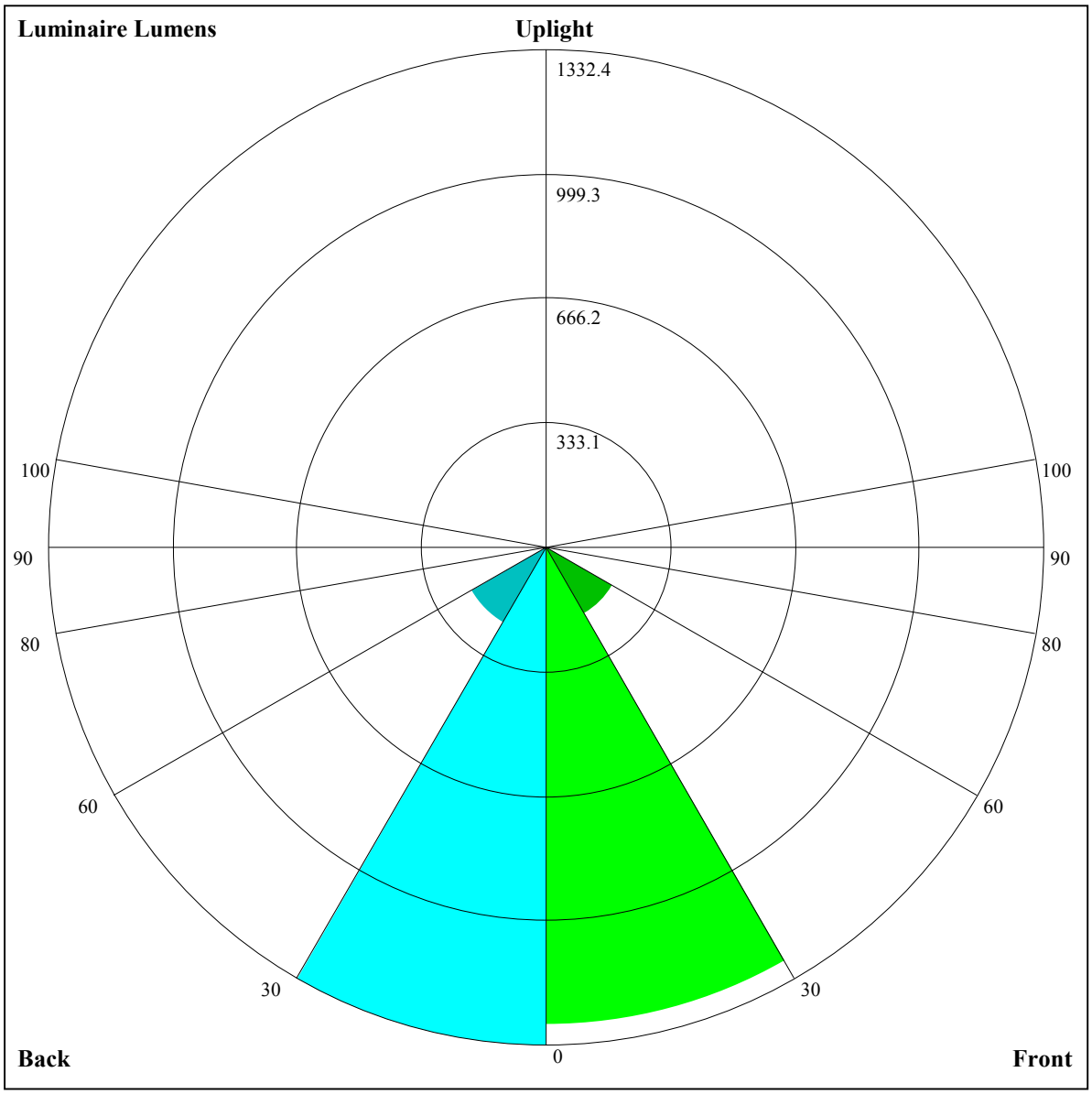
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1278.96,FM=205.96,FH=9.08,FVH=1.2
BL=1332.4,BM=231.57,BH=9.48,BVH=1.33
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	6563.11	6527.47	6432.76	6365.32	6231.60	6071.70	5880.01	5676.64	5451.57
45.0	6614.36	6569.26	6515.17	6412.10	6289.00	6168.63	5998.70	5757.43	5593.07
90.0	6545.29	6470.08	6373.10	6237.17	6085.06	5890.05	5695.04	5498.93	5273.86
135.0	6638.33	6560.33	6476.17	6393.18	6273.39	6108.45	5930.15	5737.93	5542.93
180.0	6563.11	6600.43	6573.15	6523.01	6459.46	6361.43	6232.18	6089.52	5903.45
225.0	6614.36	6609.37	6556.96	6494.04	6402.64	6280.06	6143.03	5974.73	5790.34
270.0	6545.29	6621.04	6650.05	6611.57	6563.69	6484.53	6356.96	6283.43	6137.46
315.0	6638.33	6629.97	6573.15	6512.97	6437.75	6315.17	6174.20	6013.20	5807.05
360.0	6563.11	6527.47	6432.76	6365.32	6231.60	6071.70	5880.01	5676.64	5451.57

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5208.10	4963.48	4727.84	4498.82	4258.14	4000.74	3755.59	3518.80	3297.56
45.0	5374.67	5150.13	4913.33	4682.69	4446.47	4208.00	3967.31	3718.22	3471.44
90.0	5038.69	4796.91	4565.68	4333.36	4098.77	3862.56	3716.01	3383.92	3161.06
135.0	5409.79	5087.73	4865.97	4734.51	4515.54	4281.53	4044.16	3805.16	3563.90
180.0	5716.80	5501.72	5283.32	5066.03	4848.73	4627.55	4395.17	4150.60	3904.34
225.0	5579.14	5359.11	5131.78	4909.44	4689.36	4462.03	4324.42	3995.17	3851.41
270.0	5956.91	5772.52	5560.22	5335.15	5099.98	4866.55	4639.22	4408.57	4171.78
315.0	5588.08	5404.21	5172.99	4899.40	4713.91	4480.43	4237.54	4000.16	3745.55
360.0	5208.10	4963.48	4727.84	4498.82	4258.14	4000.74	3755.59	3518.80	3297.56

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3082.53	2873.59	2666.86	2468.55	2311.96	2099.14	1962.05	1792.12	1631.65
45.0	3241.32	3027.34	2821.77	2610.62	2406.68	2213.88	2030.02	1852.88	1752.59
90.0	3031.81	2825.13	2610.04	2407.78	2220.61	2039.53	1869.02	1703.55	1542.50
135.0	3333.25	3119.27	2911.49	2701.40	2497.51	2298.61	2113.59	1942.55	1774.88
180.0	3666.44	3528.26	3213.46	3084.21	2876.38	2583.87	2460.19	2266.28	2086.89
225.0	3601.79	3268.60	3135.46	2923.16	2722.58	2521.48	2321.42	2130.88	1955.96
270.0	3933.30	3696.51	3455.25	3224.03	3001.16	2795.59	2592.22	2394.96	2242.32
315.0	3509.86	3277.53	3054.67	2849.05	2645.16	2447.36	2254.56	2069.60	1889.62
360.0	3082.53	2873.59	2666.86	2468.55	2311.96	2099.14	1962.05	1792.12	1631.65

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1468.96	1068.02	1068.02	963.16	798.79	652.25	532.56	439.74	364.94
45.0	1593.80	1435.53	1270.65	1099.55	925.73	763.63	622.66	508.44	418.71
90.0	1382.60	1015.09	1015.09	844.94	692.30	613.72	502.02	379.92	336.56
135.0	1616.61	1454.51	1285.68	1183.13	1008.20	779.19	692.83	568.04	469.96
180.0	1921.95	1758.69	1599.90	1433.33	1265.07	1093.98	919.63	759.69	621.55
225.0	1787.13	1628.33	1468.96	1074.59	1074.59	1004.47	805.05	657.92	556.90
270.0	2025.02	1852.88	1718.01	1521.37	1389.28	1221.03	1048.31	876.16	719.58
315.0	1717.48	1548.65	1448.36	1045.73	1045.73	940.03	775.61	629.86	514.06
360.0	1468.96	1068.02	1068.02	963.16	798.79	652.25	532.56	439.74	364.94

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	302.13	250.20	205.89	182.55	149.01	122.05	99.97	82.58	69.17
45.0	345.18	307.28	307.28	189.38	153.64	130.14	101.24	85.83	70.59
90.0	274.43	223.50	181.18	146.39	118.11	95.51	77.37	63.71	53.40
135.0	388.07	319.00	294.46	236.85	167.31	135.87	110.33	89.67	73.38
180.0	510.12	419.29	345.18	295.03	295.03	198.79	162.84	133.35	109.12
225.0	456.40	374.61	307.91	253.61	208.62	170.25	138.61	112.75	91.41
270.0	586.44	482.26	397.53	327.88	291.14	291.14	179.34	158.16	117.63
315.0	424.97	353.48	292.35	242.84	200.79	165.31	136.08	112.06	92.46
360.0	302.13	250.20	205.89	182.55	149.01	122.05	99.97	82.58	69.17

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	58.76	50.62	44.31	39.32	35.32	31.85	28.86	26.44	24.34
45.0	58.76	49.83	42.94	37.90	33.75	30.28	27.54	25.23	23.18
90.0	45.52	39.53	35.11	31.59	28.49	25.91	23.81	21.97	20.34
135.0	65.60	51.83	44.73	41.26	35.01	32.80	29.59	26.96	24.65
180.0	89.41	74.01	62.34	53.72	46.78	41.37	37.06	33.32	30.28
225.0	74.95	62.18	52.51	45.10	39.58	35.11	31.43	28.38	25.97
270.0	103.39	83.63	67.96	56.14	47.52	40.95	36.16	32.33	29.07
315.0	76.69	64.34	54.93	47.41	42.63	37.95	33.11	30.54	27.75
360.0	58.76	50.62	44.31	39.32	35.32	31.85	28.86	26.44	24.34

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.44	20.76	19.40	18.13	16.93	15.87	15.14	14.14	13.30
45.0	21.34	19.71	18.45	17.19	16.08	15.14	14.24	13.46	13.09
90.0	19.50	17.66	16.98	15.98	14.61	14.14	13.35	12.62	11.98
135.0	22.71	20.92	19.45	18.19	17.03	15.93	14.93	14.09	13.35
180.0	27.75	25.49	23.55	21.81	20.29	18.92	18.13	16.98	15.98
225.0	23.76	21.81	20.87	19.34	18.08	16.93	15.82	14.88	14.03
270.0	26.54	24.34	22.39	20.66	19.24	18.03	16.77	15.66	14.77
315.0	25.39	23.34	21.55	19.97	18.66	17.40	16.24	15.24	14.35
360.0	22.44	20.76	19.40	18.13	16.93	15.87	15.14	14.14	13.30

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.67	12.04	11.35	10.72	10.20	9.57	8.99	8.52	7.94
45.0	12.30	11.41	11.09	10.51	9.93	9.41	8.88	8.46	7.99
90.0	11.35	10.72	10.25	9.67	9.15	8.67	8.25	7.73	7.25
135.0	12.56	11.93	11.30	10.99	10.20	9.57	9.36	8.67	8.36
180.0	15.03	14.14	13.25	12.56	11.93	11.25	10.57	9.93	9.46
225.0	13.25	12.46	11.77	11.25	10.67	10.09	9.51	8.99	8.52
270.0	13.93	13.30	12.40	11.72	11.25	10.62	10.20	9.57	9.15
315.0	13.56	12.72	12.04	11.41	10.83	10.41	9.57	9.04	8.78
360.0	12.67	12.04	11.35	10.72	10.20	9.57	8.99	8.52	7.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.41	6.94	6.47	5.94	5.47	4.94	4.52	3.99	3.47
45.0	7.52	6.99	6.52	6.04	5.57	5.10	4.68	4.21	3.73
90.0	6.78	6.41	5.89	5.52	4.99	4.68	4.15	3.57	3.21
135.0	7.83	7.41	6.94	6.47	5.94	5.57	5.05	4.57	4.05
180.0	8.88	8.36	7.83	7.41	6.89	6.36	5.83	5.41	4.89
225.0	8.04	7.57	7.04	6.83	6.15	5.89	5.52	5.05	4.57
270.0	8.73	8.30	7.73	7.31	6.94	6.52	5.94	5.62	5.20
315.0	8.04	7.73	7.31	6.78	6.20	5.78	5.41	4.89	4.31
360.0	7.41	6.94	6.47	5.94	5.47	4.94	4.52	3.99	3.47

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	2.79	2.37	2.05	1.79	1.58	1.31	1.00	0.89
45.0	3.21	2.84	2.37	2.10	1.79	1.58	1.31	1.00	0.68
90.0	2.84	2.42	2.16	1.89	1.73	1.37	1.10	0.89	1.00
135.0	3.63	3.15	2.73	2.21	2.00	1.68	1.42	1.05	0.79
180.0	4.52	3.94	3.36	3.05	2.52	2.21	1.89	1.58	1.31
225.0	3.94	3.47	3.21	2.79	2.47	2.05	1.84	1.52	1.26
270.0	4.78	4.21	3.78	3.26	2.84	2.37	2.10	1.84	1.52
315.0	3.89	3.31	3.00	2.68	2.26	1.94	1.68	1.37	1.10
360.0	3.10	2.79	2.37	2.05	1.79	1.58	1.31	1.00	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.79
90.0	0.95
135.0	0.84
180.0	0.95
225.0	1.05
270.0	1.26
315.0	0.95
360.0	0.79