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

Nata

Client:
LumCAT: 2-2755-L
Luminaire: 92.70.412.00
Report No: 2024815-B002
Ballast type: AC

Test No: 2024816-C002	Voltage(V): 34.650
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2535.0	Power (W): 15.590
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2346.09, Efficiency(%): 92.55% , Luminous Efficacy(lm/W): 150.49
Central intensity(cd): 8391.013, Maximum intensity(cd): 8391.013
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.0
[C90/270]Total=25.0
Field angle(10%Imax): [C0/180]Total=56.2
[C90/270]Total=56.2
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(%): 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 : 99.094%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8391.012	0.000	0	0.00%	0.00%
1.0	8354.737	8.013	8.013	0.32%	0.34%
2.0	8235.709	23.812	31.825	0.94%	1.36%
3.0	8022.739	38.885	70.71	1.53%	3.01%
4.0	7768.948	52.860	123.569	2.09%	5.27%
5.0	7444.000	65.445	189.015	2.58%	8.06%
6.0	7048.887	76.164	265.179	3.00%	11.30%
7.0	6672.658	85.169	350.348	3.36%	14.93%
8.0	6252.914	92.506	442.854	3.65%	18.88%
9.0	5821.875	97.860	540.714	3.86%	23.05%
10.0	5347.663	101.080	641.794	3.99%	27.36%
11.0	4917.327	102.568	744.362	4.05%	31.73%
12.0	4429.797	102.177	846.54	4.03%	36.08%
13.0	3985.328	99.866	946.406	3.94%	40.34%
14.0	3578.816	96.820	1043.226	3.82%	44.47%
15.0	3176.043	92.734	1135.96	3.66%	48.42%
16.0	2815.563	87.794	1223.754	3.46%	52.16%
17.0	2504.524	82.848	1306.602	3.27%	55.69%
18.0	2240.996	78.243	1384.845	3.09%	59.03%
19.0	1977.664	73.396	1458.241	2.90%	62.16%
20.0	1792.329	69.001	1527.242	2.72%	65.10%
21.0	1622.815	65.578	1592.82	2.59%	67.89%
22.0	1475.725	62.266	1655.087	2.46%	70.55%
23.0	1338.005	59.040	1714.126	2.33%	73.06%
24.0	1211.040	55.731	1769.858	2.20%	75.44%
25.0	1120.961	53.025	1822.882	2.09%	77.70%
26.0	1040.054	51.011	1873.893	2.01%	79.87%
27.0	935.126	48.323	1922.216	1.91%	81.93%
28.0	848.930	45.169	1967.385	1.78%	83.86%
29.0	763.017	42.173	2009.558	1.66%	85.66%
30.0	676.177	38.858	2048.416	1.53%	87.31%
31.0	581.893	35.010	2083.426	1.38%	88.80%
32.0	504.889	31.135	2114.561	1.23%	90.13%
33.0	423.476	27.350	2141.911	1.08%	91.30%
34.0	353.923	23.526	2165.438	0.93%	92.30%
35.0	305.763	20.487	2185.925	0.81%	93.17%
36.0	270.822	18.359	2204.284	0.72%	93.96%
37.0	228.240	16.277	2220.56	0.64%	94.65%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	189.508	13.944	2234.504	0.55%	95.24%
39.0	150.355	11.600	2246.104	0.46%	95.74%
40.0	126.761	9.665	2255.769	0.38%	96.15%
41.0	105.966	8.287	2264.057	0.33%	96.50%
42.0	87.333	7.023	2271.079	0.28%	96.80%
43.0	74.849	6.008	2277.087	0.24%	97.06%
44.0	62.609	5.188	2282.275	0.20%	97.28%
45.0	54.047	4.483	2286.758	0.18%	97.47%
46.0	47.129	3.957	2290.715	0.16%	97.64%
47.0	41.971	3.544	2294.259	0.14%	97.79%
48.0	37.838	3.226	2297.485	0.13%	97.93%
49.0	34.665	2.977	2300.463	0.12%	98.06%
50.0	32.241	2.790	2303.252	0.11%	98.17%
51.0	29.980	2.632	2305.885	0.10%	98.29%
52.0	28.160	2.495	2308.379	0.10%	98.39%
53.0	26.577	2.381	2310.761	0.09%	98.49%
54.0	24.993	2.273	2313.034	0.09%	98.59%
55.0	23.686	2.173	2315.206	0.09%	98.68%
56.0	22.641	2.093	2317.3	0.08%	98.77%
57.0	21.334	2.011	2319.311	0.08%	98.86%
58.0	20.131	1.917	2321.228	0.08%	98.94%
59.0	19.139	1.836	2323.064	0.07%	99.02%
60.0	18.055	1.757	2324.821	0.07%	99.09%
61.0	16.925	1.669	2326.491	0.07%	99.16%
62.0	15.690	1.572	2328.062	0.06%	99.23%
63.0	14.599	1.473	2329.535	0.06%	99.29%
64.0	13.725	1.390	2330.925	0.05%	99.35%
65.0	12.799	1.313	2332.238	0.05%	99.41%
66.0	11.840	1.229	2333.467	0.05%	99.46%
67.0	10.907	1.144	2334.611	0.05%	99.51%
68.0	10.138	1.066	2335.677	0.04%	99.56%
69.0	9.323	0.993	2336.67	0.04%	99.60%
70.0	8.627	0.922	2337.592	0.04%	99.64%
71.0	8.009	0.860	2338.451	0.03%	99.67%
72.0	7.293	0.796	2339.247	0.03%	99.71%
73.0	6.643	0.729	2339.976	0.03%	99.74%
74.0	6.104	0.670	2340.646	0.03%	99.77%
75.0	5.644	0.621	2341.267	0.02%	99.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.138	0.572	2341.839	0.02%	99.82%
77.0	4.724	0.526	2342.365	0.02%	99.84%
78.0	4.330	0.485	2342.849	0.02%	99.86%
79.0	3.955	0.445	2343.295	0.02%	99.88%
80.0	3.607	0.408	2343.702	0.02%	99.90%
81.0	3.239	0.370	2344.073	0.01%	99.91%
82.0	2.924	0.334	2344.407	0.01%	99.93%
83.0	2.628	0.302	2344.709	0.01%	99.94%
84.0	2.352	0.271	2344.98	0.01%	99.95%
85.0	2.076	0.242	2345.222	0.01%	99.96%
86.0	1.853	0.215	2345.436	0.01%	99.97%
87.0	1.656	0.192	2345.628	0.01%	99.98%
88.0	1.459	0.171	2345.799	0.01%	99.99%
89.0	1.301	0.151	2345.95	0.01%	99.99%
90.0	1.196	0.137	2346.087	0.01%	100.00%

Zonal flux distribution table

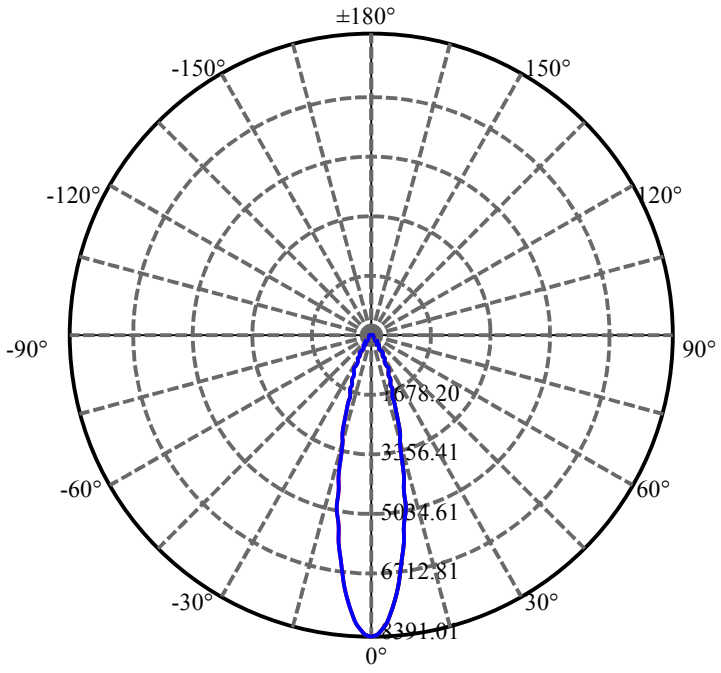
ZONAL LUMEN SUMMARY

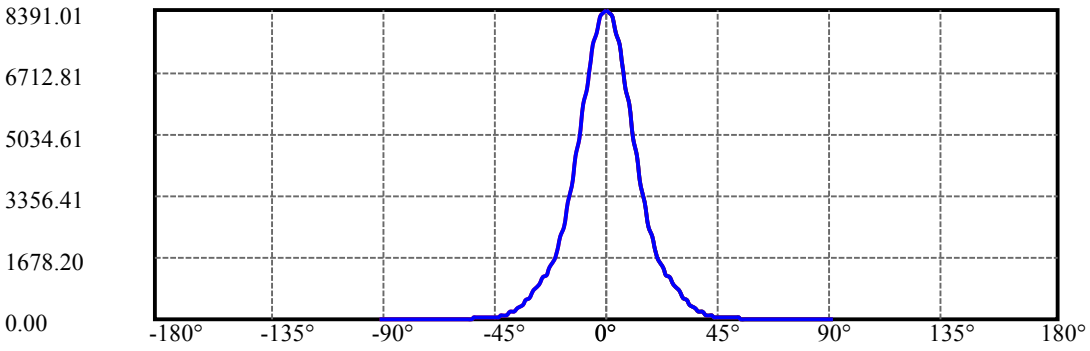
Zone	Lumens	%Lamp	%Fixt
0-30	2048.42	80.81%	87.31%
0-40	2255.77	88.98%	96.15%
0-60	2324.82	91.71%	99.09%
0-90	2345.95	92.54%	99.99%
0-120	2345.95	92.54%	99.99%
0-180	2346.09	92.55%	100.00%
60-90	21.13	0.83%	0.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.06	1876.87	74.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	641.79
10-20	885.45
20-30	521.17
30-40	207.35
40-50	47.48
50-60	21.57
60-70	12.77
70-80	6.11
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:28.1 Right:28.1
:C90/270Left:28.1 Right:28.1

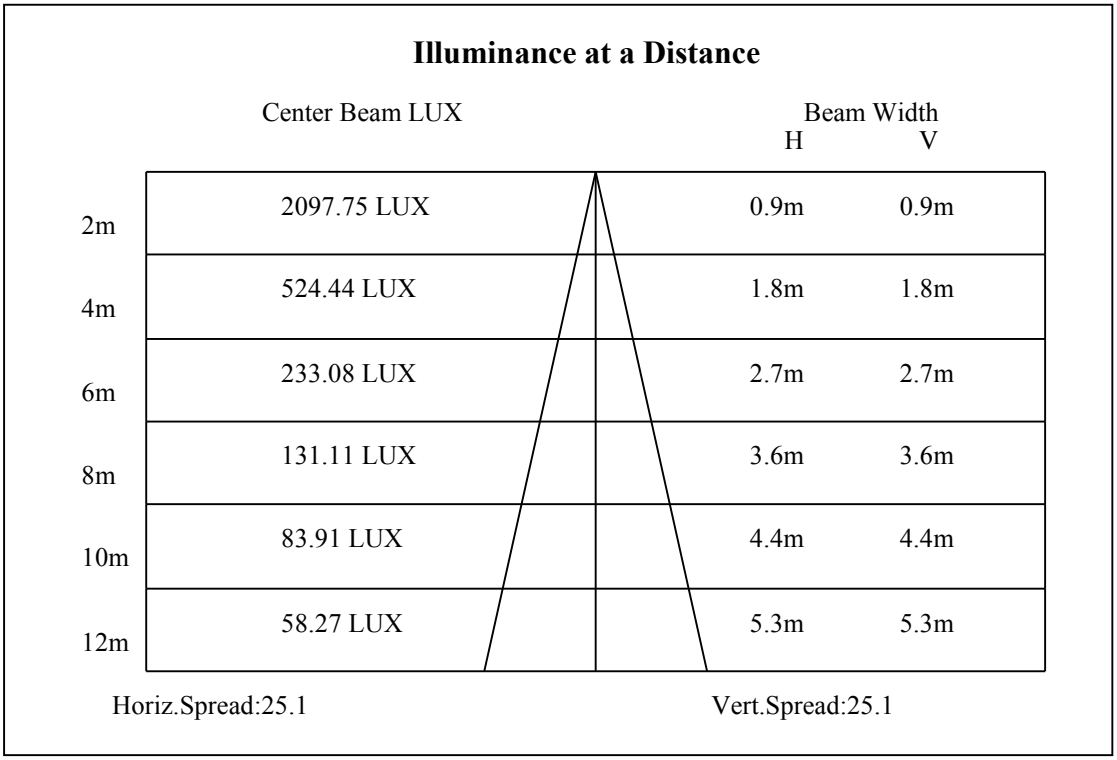
Beam Angle(50%Imax):C0/180Left:12.5 Right:12.5
:C90/270Left:12.5 Right:12.5

Equipment: GMS 1800
Temperature(°C): 25.0

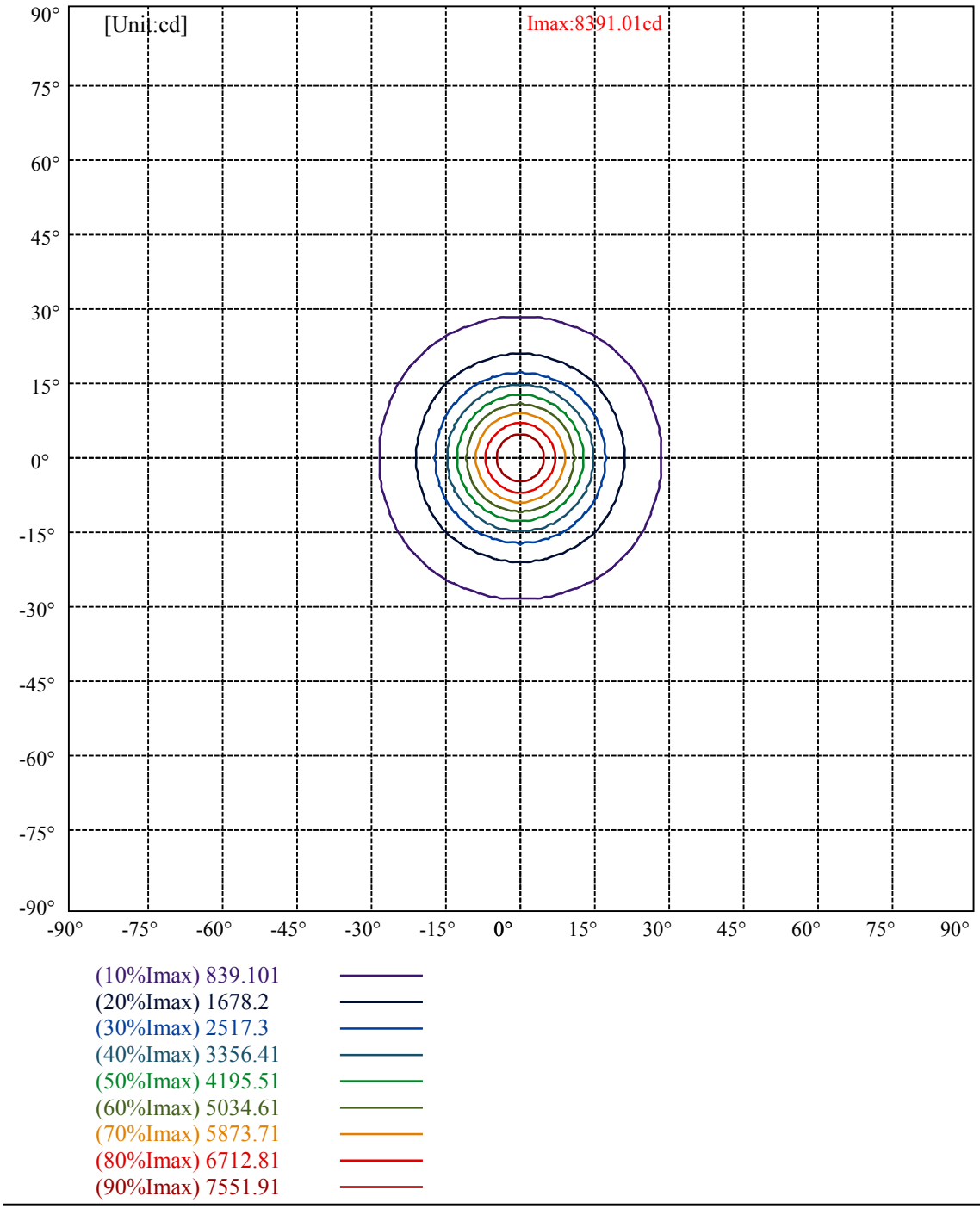
Date: 2024/8/16
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Lux distance Curve



ISO-Intensity(V-H)



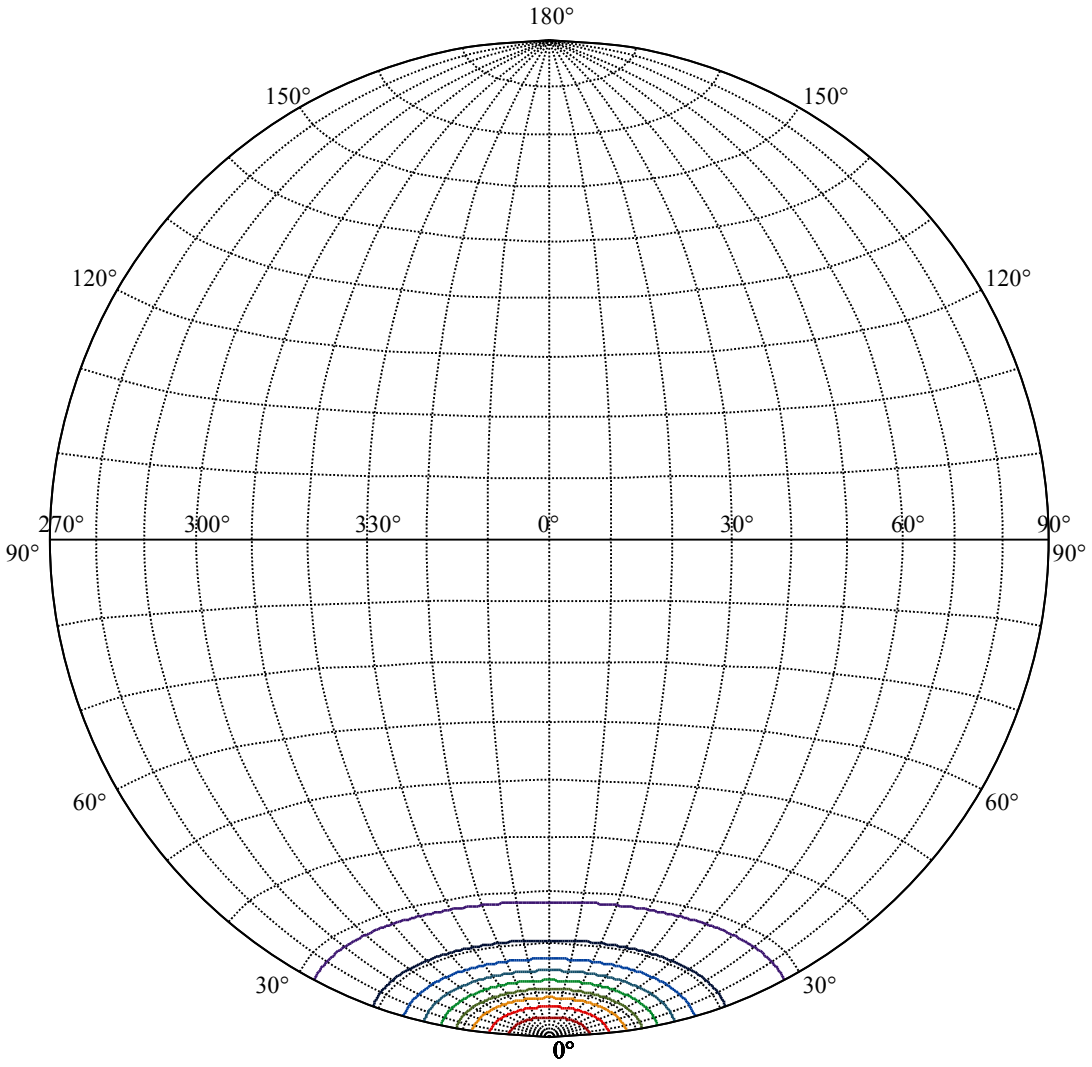
(10%Imax) 839.101
(20%Imax) 1678.2
(30%Imax) 2517.3
(40%Imax) 3356.41
(50%Imax) 4195.51
(60%Imax) 5034.61
(70%Imax) 5873.71
(80%Imax) 6712.81
(90%Imax) 7551.91

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/16
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:8391.01

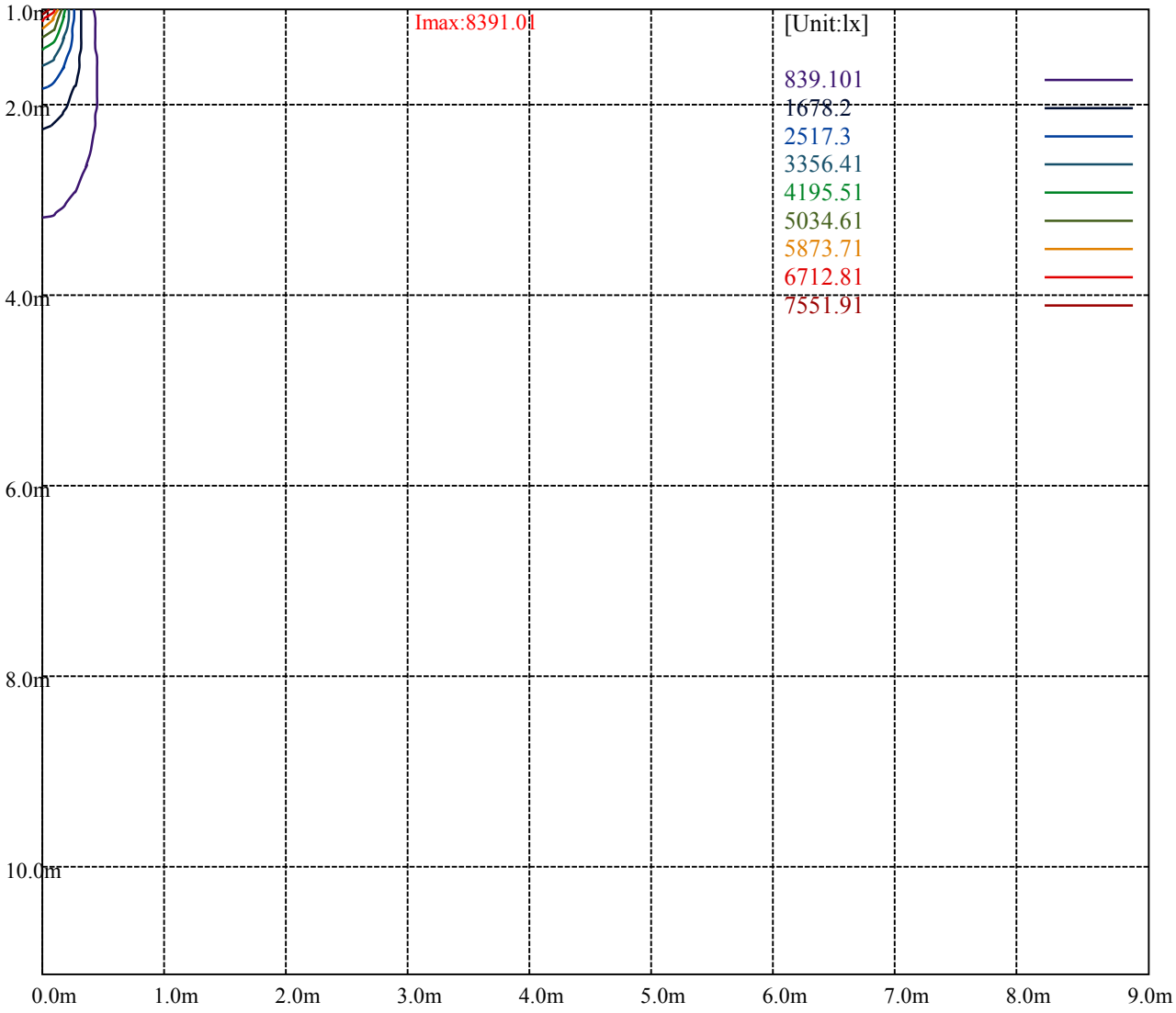
(10%Imax) 839.101
(20%Imax) 1678.2
(30%Imax) 2517.3
(40%Imax) 3356.41
(50%Imax) 4195.51
(60%Imax) 5034.61
(70%Imax) 5873.71
(80%Imax) 6712.81
(90%Imax) 7551.91

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/16
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/16
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2755-L

Luminance Limitting Curve(no luminous side)

Luminance Table

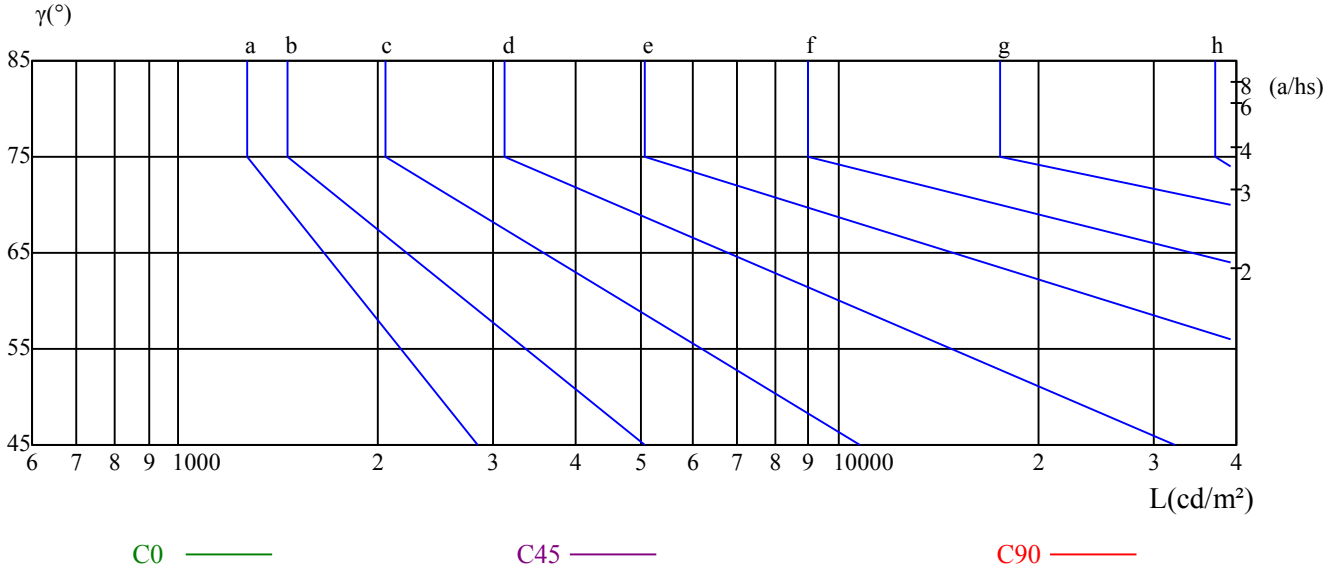
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

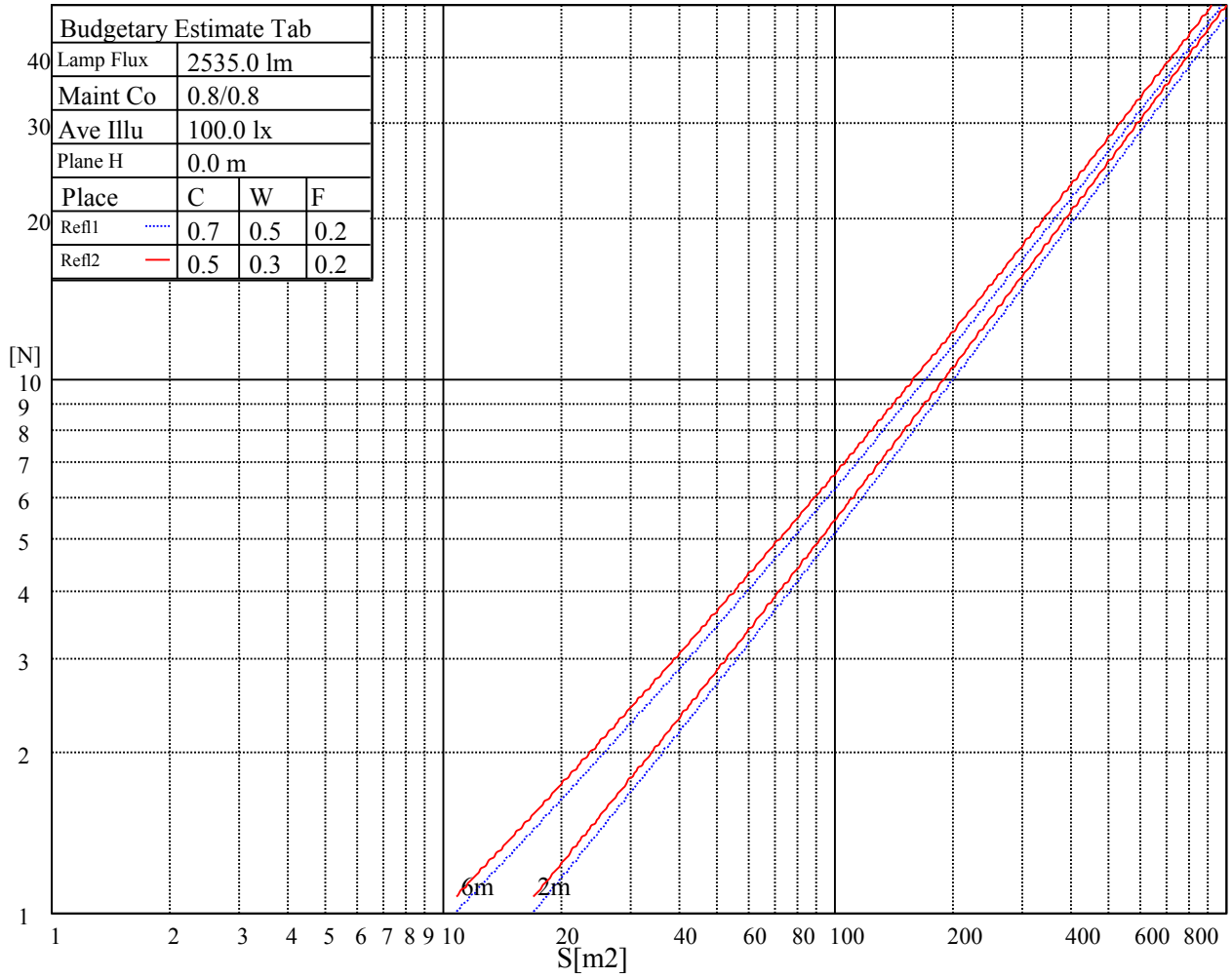
Date: 2024/8/16
Humidity(%): 60.0%

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

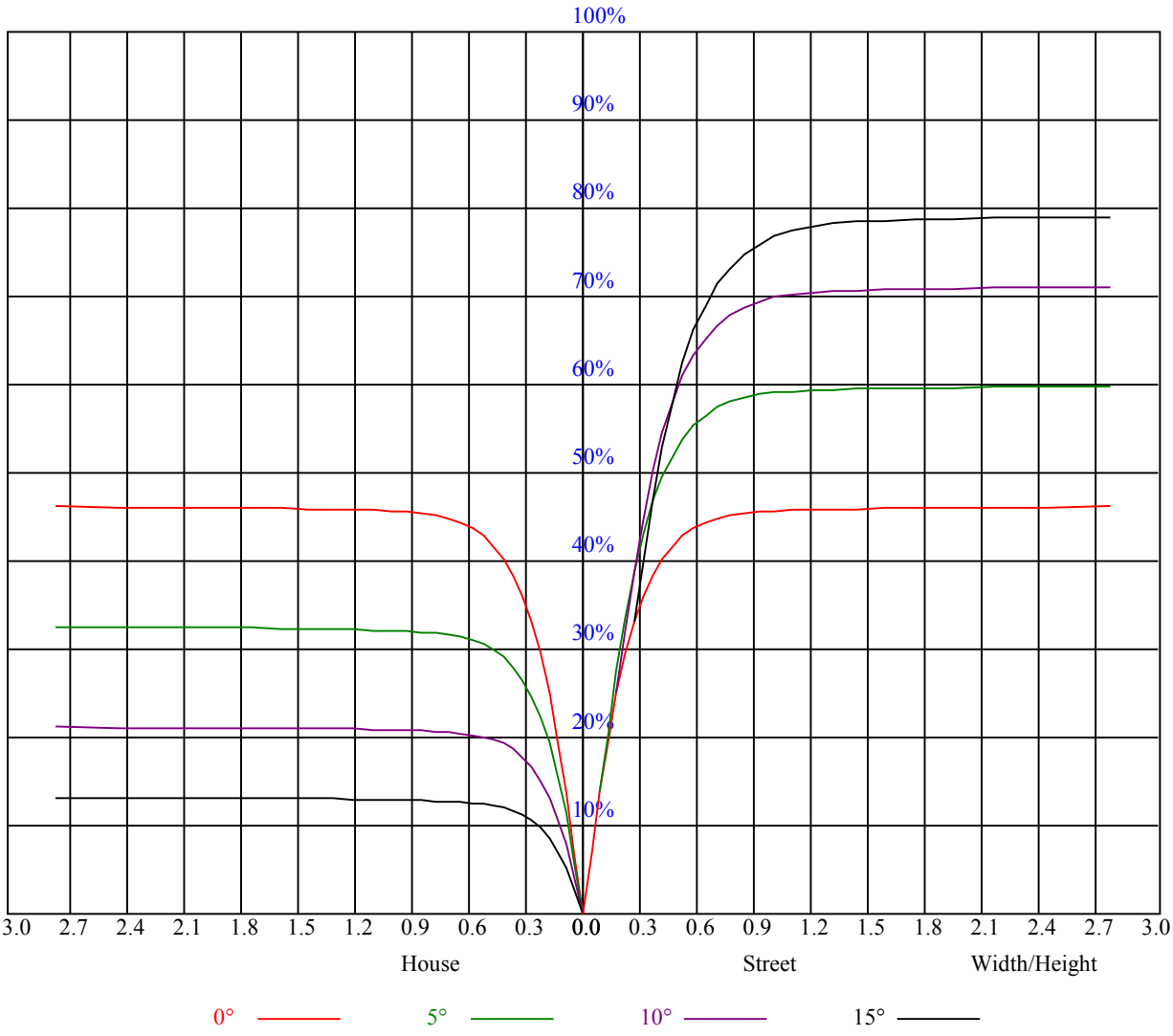


Equipment: GMS 1800 Date: 2024/8/16 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.25

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	1.10	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	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.91	0.91	0.90	0.88
2	0.98	0.95	0.92	0.96	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.75	0.74
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.65
9	0.72	0.68	0.65	0.71	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve

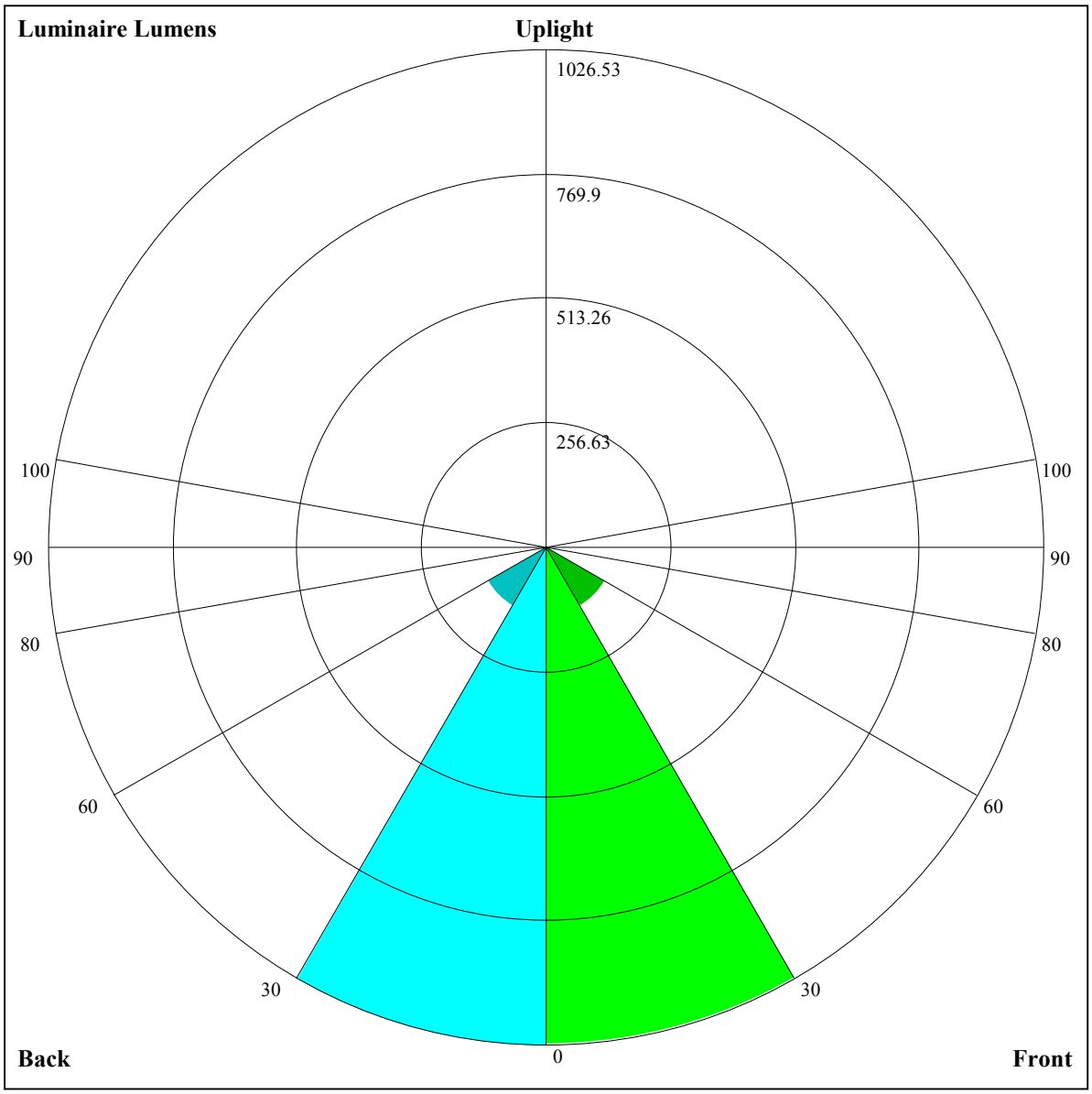


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/16
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

LCS Graph



Luminaire Lumens:

FL=1025.78,FM=141.31,FH=9.33,FVH=1.15

BL=1026.53,BM=140.82,BH=9.57,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	8387.82	8312.02	8154.91	7892.52	7583.82	7213.89	6809.94	6372.57	5930.73
45.0	8409.53	8346.03	8298.09	8056.31	7908.08	7587.19	7227.82	6848.95	6441.11
90.0	8318.17	8174.99	7948.24	7629.50	7280.75	6901.88	6500.14	6071.70	5627.66
135.0	8448.53	8357.17	8207.84	7970.52	7654.05	7291.31	6907.97	6508.50	6083.95
180.0	8387.82	8415.15	8317.60	8130.42	7887.48	7639.01	7244.53	6941.40	6534.15
225.0	8409.53	8341.56	8202.85	8025.08	7725.37	7343.72	6940.30	6520.75	6108.45
270.0	8318.17	8439.07	8402.85	8313.71	8216.20	7998.38	7561.01	7334.78	6936.41
315.0	8448.53	8451.89	8353.29	8163.85	7895.83	7576.62	7199.38	6782.61	6360.85
360.0	8387.82	8312.02	8154.91	7892.52	7583.82	7213.89	6809.94	6372.57	5930.73

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5462.14	4994.70	4535.62	4083.16	3649.15	3245.79	2871.33	2536.51	2363.79
45.0	5995.91	5531.26	5033.12	4557.90	4095.46	3646.37	3234.07	2845.16	2506.39
90.0	5157.96	4696.62	4241.43	3792.33	3360.01	2962.74	2613.41	2314.17	2056.77
135.0	5715.12	5145.13	4780.77	4328.31	3889.84	3463.61	3071.91	2727.05	2420.61
180.0	6121.85	5657.72	5181.93	4713.33	4259.24	3820.77	3391.17	3020.66	2679.69
225.0	5667.76	5203.06	4736.72	4268.71	3835.80	3412.94	3013.41	2664.08	2338.14
270.0	6529.68	6083.43	5649.36	5154.59	4696.04	4242.53	3800.69	3396.22	3005.63
315.0	5924.58	5469.39	5179.67	4540.03	4097.09	3835.80	3412.36	3020.66	2665.18
360.0	5462.14	4994.70	4535.62	4083.16	3649.15	3245.79	2871.33	2536.51	2363.79

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2102.45	1802.74	1704.08	1559.21	1426.65	1314.06	1104.13	1104.13	1001.58
45.0	2215.56	1967.62	1748.65	1563.68	1408.78	1284.00	1192.06	1076.16	1000.95
90.0	1876.27	1697.40	1535.82	1403.79	1292.35	1090.93	1090.93	988.91	901.60
135.0	2156.53	1920.27	1723.58	1569.83	1428.86	1306.28	1195.43	1085.63	983.71
180.0	2373.83	2117.53	1900.24	1719.69	1569.25	1439.42	1315.22	1201.00	1134.67
225.0	2183.81	1856.77	1739.77	1576.51	1428.28	1305.18	1072.12	1072.12	972.41
270.0	2652.41	2355.96	2101.34	1888.52	1706.34	1553.12	1423.87	1351.96	1237.74
315.0	2367.10	2103.03	1885.15	1701.29	1545.28	1411.04	1294.56	1087.78	1087.78
360.0	2102.45	1802.74	1704.08	1559.21	1426.65	1314.06	1104.13	1104.13	1001.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	907.39	812.62	723.89	632.96	541.18	469.70	379.08	320.37	279.90
45.0	912.38	830.49	750.22	666.65	578.61	491.72	415.93	354.64	301.18
90.0	815.45	727.04	634.22	539.45	453.19	407.94	343.97	272.38	245.20
135.0	884.52	789.80	697.29	644.94	520.68	470.54	388.65	326.78	293.93
180.0	998.16	902.34	847.73	752.48	656.61	561.37	471.12	393.11	330.15
225.0	879.63	783.97	694.72	606.83	522.52	441.31	369.20	311.91	283.15
270.0	1092.35	1033.85	938.56	843.84	753.01	662.18	568.62	478.32	398.11
315.0	991.12	911.33	817.50	722.26	629.33	534.35	451.25	373.88	314.48
360.0	907.39	812.62	723.89	632.96	541.18	469.70	379.08	320.37	279.90

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	235.90	197.42	164.52	136.45	112.59	93.72	77.74	64.91	54.45
45.0	291.67	242.84	193.59	150.80	125.57	112.69	87.88	79.16	66.28
90.0	205.83	172.19	142.71	117.79	97.71	81.73	68.38	57.40	49.36
135.0	293.93	194.59	162.89	135.56	112.69	93.93	78.42	65.86	55.35
180.0	298.92	298.92	198.06	165.94	138.19	119.05	95.82	80.11	69.59
225.0	238.53	200.68	169.36	142.13	119.00	100.03	84.05	71.22	60.29
270.0	334.03	292.25	292.25	191.64	172.14	133.25	111.17	99.76	77.69
315.0	267.75	227.02	192.69	162.52	136.19	113.32	95.19	80.37	67.86
360.0	235.90	197.42	164.52	136.45	112.59	93.72	77.74	64.91	54.45

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	46.89	41.63	37.48	34.53	32.17	29.96	28.02	26.28	25.34
45.0	56.61	49.36	43.68	39.16	35.85	33.17	30.75	28.33	26.33
90.0	43.36	38.84	35.27	32.54	30.49	28.70	26.86	25.28	24.02
135.0	49.20	42.05	38.58	34.95	32.17	29.96	28.07	26.39	24.97
180.0	56.71	50.30	44.47	39.79	35.95	33.32	31.06	29.01	27.07
225.0	52.04	45.83	41.21	37.37	34.53	31.96	30.07	28.33	27.28
270.0	70.01	58.98	50.99	44.89	40.21	36.43	33.69	31.48	29.44
315.0	57.56	50.04	44.10	39.47	35.95	34.43	31.33	30.17	28.17
360.0	46.89	41.63	37.48	34.53	32.17	29.96	28.02	26.28	25.34

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.55	22.44	21.66	19.92	19.40	18.40	17.24	16.03	14.93
45.0	24.91	23.76	22.23	20.71	19.45	18.45	17.40	16.24	15.14
90.0	23.13	21.55	20.45	19.40	18.24	17.24	15.98	14.72	13.77
135.0	23.81	22.71	21.60	20.45	19.45	18.55	17.50	16.29	15.24
180.0	25.55	24.39	23.29	22.02	20.66	19.66	18.76	17.71	16.29
225.0	25.12	23.76	23.13	21.60	19.97	19.45	18.45	17.03	15.61
270.0	27.49	25.70	24.65	23.65	22.39	20.97	19.76	19.24	17.82
315.0	26.39	25.18	24.13	22.92	21.50	20.39	19.34	18.13	16.71
360.0	23.55	22.44	21.66	19.92	19.40	18.40	17.24	16.03	14.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.03	13.09	12.09	10.99	10.14	9.51	8.67	7.78	6.99
45.0	13.98	13.19	12.30	11.30	10.35	9.57	8.83	8.20	7.41
90.0	12.93	11.93	10.72	9.88	9.25	8.52	7.67	6.94	6.41
135.0	14.35	13.46	12.51	11.77	10.57	9.83	9.46	8.30	7.78
180.0	15.14	14.24	13.82	12.46	11.77	10.78	9.88	9.46	8.67
225.0	14.51	13.77	12.93	11.83	10.83	10.20	9.57	8.94	8.62
270.0	16.40	15.51	14.24	13.77	12.83	11.67	10.67	10.09	9.41
315.0	15.45	14.61	13.77	12.72	11.51	11.04	9.83	9.30	8.78
360.0	14.03	13.09	12.09	10.99	10.14	9.51	8.67	7.78	6.99

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.47	5.99	5.47	4.94	4.57	4.31	3.94	3.63	3.21
45.0	6.73	6.20	5.73	5.20	4.73	4.36	4.05	3.63	3.21
90.0	5.89	5.31	4.84	4.63	4.05	3.73	3.47	3.05	2.84
135.0	7.25	6.62	5.99	5.52	5.05	4.68	4.26	3.94	3.63
180.0	7.78	7.25	6.68	6.15	5.57	5.05	4.68	4.31	3.94
225.0	8.04	6.99	6.36	5.89	5.31	5.05	4.68	4.21	3.89
270.0	8.67	7.67	7.25	6.89	6.36	5.68	4.99	4.68	4.26
315.0	7.52	7.10	6.52	5.94	5.47	4.94	4.57	4.21	3.89
360.0	6.47	5.99	5.47	4.94	4.57	4.31	3.94	3.63	3.21

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	2.31	2.05	1.89	1.58	1.42	1.31	1.16
45.0	2.94	2.68	2.26	2.10	1.73	1.47	1.31	1.10	0.89
90.0	2.42	2.16	2.00	1.79	1.52	1.37	1.16	1.05	0.95
135.0	3.26	2.94	2.63	2.31	2.05	1.84	1.58	1.42	1.31
180.0	3.57	3.26	2.89	2.68	2.26	2.10	1.89	1.68	1.47
225.0	3.42	3.10	2.89	2.52	2.31	2.10	1.89	1.68	1.52
270.0	3.89	3.57	3.21	2.84	2.52	2.26	2.10	1.84	1.68
315.0	3.57	3.15	2.84	2.52	2.31	2.10	1.89	1.58	1.42
360.0	2.84	2.52	2.31	2.05	1.89	1.58	1.42	1.31	1.16

Intensity data(cd)

C/γ(°)	90.0
0.0	1.00
45.0	0.84
90.0	0.95
135.0	1.16
180.0	1.31
225.0	1.42
270.0	1.52
315.0	1.37
360.0	1.00