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Nata

Client:
LumCAT: 2-2752-L
Luminaire: 92.70.412.00
Report No: 2024809-B008
Ballast type: AC

Test No: 2024809-C008	Voltage(V): 36.610
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.695
Lamp flux(lm): 3120.0	Power (W): 25.440
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2924.42, Efficiency(%): 93.73% , Luminous Efficacy(lm/W): 114.95
Central intensity(cd): 10579.280, Maximum intensity(cd): 10579.280
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=57.0
[C90/270]Total=57.0
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(%): 93.73%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.328%

Equipment: GMS 1800	Date: 2024/8/9	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

Nata 2-2752-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10579.281	0.000	0	0.00%	0.00%
1.0	10517.441	10.094	10.094	0.32%	0.35%
2.0	10369.451	29.979	40.073	0.96%	1.37%
3.0	10138.912	49.049	89.122	1.57%	3.05%
4.0	9835.120	66.859	155.982	2.14%	5.33%
5.0	9431.736	82.885	238.867	2.66%	8.17%
6.0	8927.222	96.481	335.348	3.09%	11.47%
7.0	8440.953	107.804	443.152	3.46%	15.15%
8.0	7877.535	116.788	559.94	3.74%	19.15%
9.0	7302.337	123.025	682.965	3.94%	23.35%
10.0	6741.896	127.095	810.06	4.07%	27.70%
11.0	6148.308	128.800	938.86	4.13%	32.10%
12.0	5557.998	127.967	1066.827	4.10%	36.48%
13.0	5045.612	125.838	1192.665	4.03%	40.78%
14.0	4456.834	121.630	1314.295	3.90%	44.94%
15.0	4029.763	116.508	1430.803	3.73%	48.93%
16.0	3567.805	111.326	1542.129	3.57%	52.73%
17.0	3141.582	104.483	1646.612	3.35%	56.31%
18.0	2829.774	98.455	1745.066	3.16%	59.67%
19.0	2540.398	93.430	1838.496	2.99%	62.87%
20.0	2273.663	88.111	1926.607	2.82%	65.88%
21.0	2046.199	82.950	2009.557	2.66%	68.72%
22.0	1855.502	78.406	2087.964	2.51%	71.40%
23.0	1681.941	74.225	2162.189	2.38%	73.94%
24.0	1537.926	70.398	2232.586	2.26%	76.34%
25.0	1408.524	66.996	2299.582	2.15%	78.63%
26.0	1269.089	63.205	2362.788	2.03%	80.79%
27.0	1175.370	59.804	2422.592	1.92%	82.84%
28.0	1113.142	57.940	2480.532	1.86%	84.82%
29.0	1010.310	55.556	2536.088	1.78%	86.72%
30.0	898.503	51.538	2587.625	1.65%	88.48%
31.0	787.419	46.917	2634.542	1.50%	90.09%
32.0	680.369	42.050	2676.592	1.35%	91.53%
33.0	576.492	37.028	2713.62	1.19%	92.79%
34.0	481.663	32.023	2745.643	1.03%	93.89%
35.0	384.836	26.910	2772.553	0.86%	94.81%
36.0	307.918	22.057	2794.611	0.71%	95.56%
37.0	241.058	17.905	2812.515	0.57%	96.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	207.221	14.963	2827.478	0.48%	96.68%
39.0	129.672	11.499	2838.977	0.37%	97.08%
40.0	83.988	7.452	2846.429	0.24%	97.33%
41.0	68.574	5.433	2851.862	0.17%	97.52%
42.0	60.020	4.672	2856.534	0.15%	97.68%
43.0	54.008	4.224	2860.758	0.14%	97.82%
44.0	48.292	3.861	2864.619	0.12%	97.95%
45.0	43.817	3.540	2868.159	0.11%	98.08%
46.0	40.138	3.283	2871.442	0.11%	98.19%
47.0	36.912	3.064	2874.506	0.10%	98.29%
48.0	34.238	2.876	2877.383	0.09%	98.39%
49.0	31.761	2.710	2880.093	0.09%	98.48%
50.0	29.921	2.572	2882.665	0.08%	98.57%
51.0	28.693	2.480	2885.144	0.08%	98.66%
52.0	27.438	2.409	2887.553	0.08%	98.74%
53.0	26.314	2.338	2889.891	0.07%	98.82%
54.0	25.624	2.289	2892.18	0.07%	98.90%
55.0	24.908	2.256	2894.436	0.07%	98.97%
56.0	23.969	2.209	2896.645	0.07%	99.05%
57.0	22.950	2.145	2898.79	0.07%	99.12%
58.0	22.017	2.079	2900.869	0.07%	99.19%
59.0	20.854	2.004	2902.874	0.06%	99.26%
60.0	19.428	1.903	2904.777	0.06%	99.33%
61.0	17.825	1.778	2906.555	0.06%	99.39%
62.0	16.531	1.655	2908.21	0.05%	99.45%
63.0	15.263	1.546	2909.756	0.05%	99.50%
64.0	13.968	1.434	2911.191	0.05%	99.55%
65.0	12.398	1.305	2912.496	0.04%	99.59%
66.0	11.327	1.184	2913.679	0.04%	99.63%
67.0	10.513	1.098	2914.777	0.04%	99.67%
68.0	9.455	1.011	2915.789	0.03%	99.70%
69.0	8.364	0.909	2916.698	0.03%	99.74%
70.0	7.549	0.817	2917.515	0.03%	99.76%
71.0	6.859	0.745	2918.26	0.02%	99.79%
72.0	6.209	0.680	2918.939	0.02%	99.81%
73.0	5.545	0.615	2919.554	0.02%	99.83%
74.0	5.020	0.555	2920.11	0.02%	99.85%
75.0	4.626	0.510	2920.619	0.02%	99.87%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.225	0.470	2921.089	0.02%	99.89%
77.0	3.890	0.433	2921.522	0.01%	99.90%
78.0	3.541	0.398	2921.919	0.01%	99.91%
79.0	3.219	0.363	2922.283	0.01%	99.93%
80.0	2.904	0.330	2922.613	0.01%	99.94%
81.0	2.615	0.298	2922.911	0.01%	99.95%
82.0	2.313	0.267	2923.178	0.01%	99.96%
83.0	2.050	0.237	2923.416	0.01%	99.97%
84.0	1.813	0.210	2923.626	0.01%	99.97%
85.0	1.583	0.185	2923.811	0.01%	99.98%
86.0	1.380	0.162	2923.973	0.01%	99.98%
87.0	1.183	0.140	2924.114	0.00%	99.99%
88.0	1.018	0.121	2924.234	0.00%	99.99%
89.0	0.848	0.102	2924.337	0.00%	100.00%
90.0	0.736	0.087	2924.423	0.00%	100.00%

Zonal flux distribution table

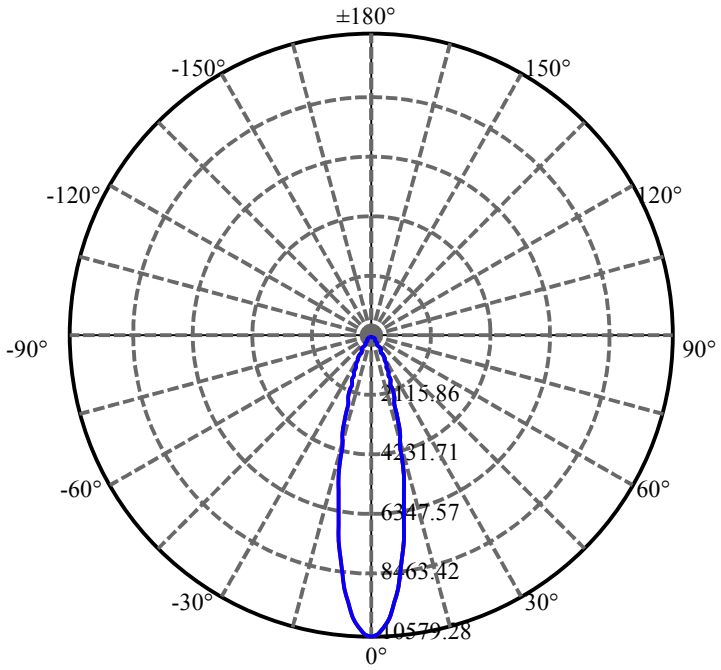
ZONAL LUMEN SUMMARY

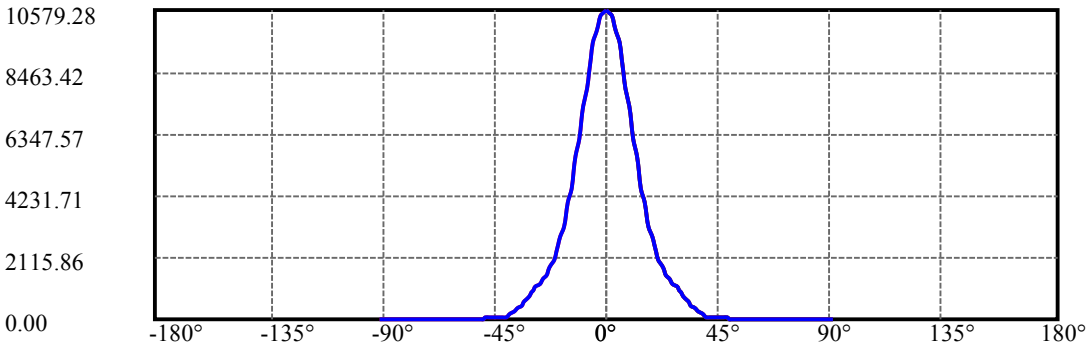
Zone	Lumens	%Lamp	%Fixt
0-30	2587.63	82.94%	88.48%
0-40	2846.43	91.23%	97.33%
0-60	2904.78	93.10%	99.33%
0-90	2924.34	93.73%	100.00%
0-120	2924.34	93.73%	100.00%
0-180	2924.42	93.73%	100.00%
60-90	19.56	0.63%	0.67%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.63	2339.54	74.99%	80.00%

ZONAL LUMEN SUMMARY

0-10	810.06
10-20	1116.55
20-30	661.02
30-40	258.80
40-50	36.24
50-60	22.11
60-70	12.74
70-80	5.10
80-90	1.72
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):

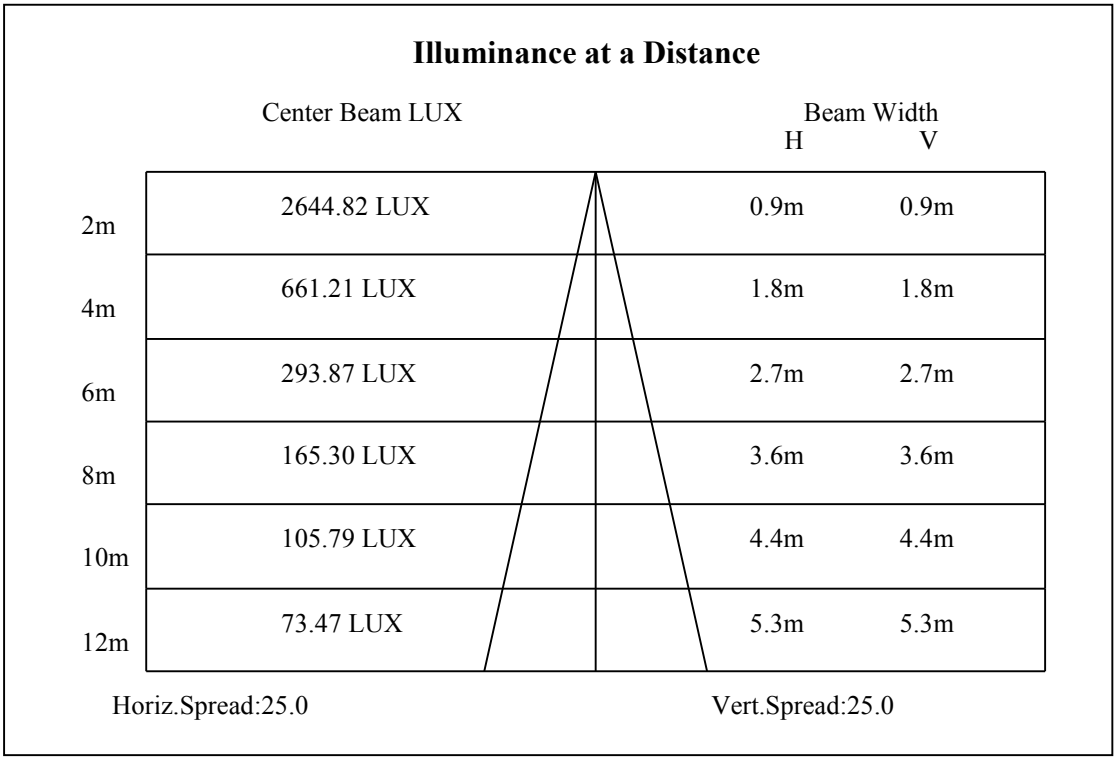
C0/C180:

C90/C270:

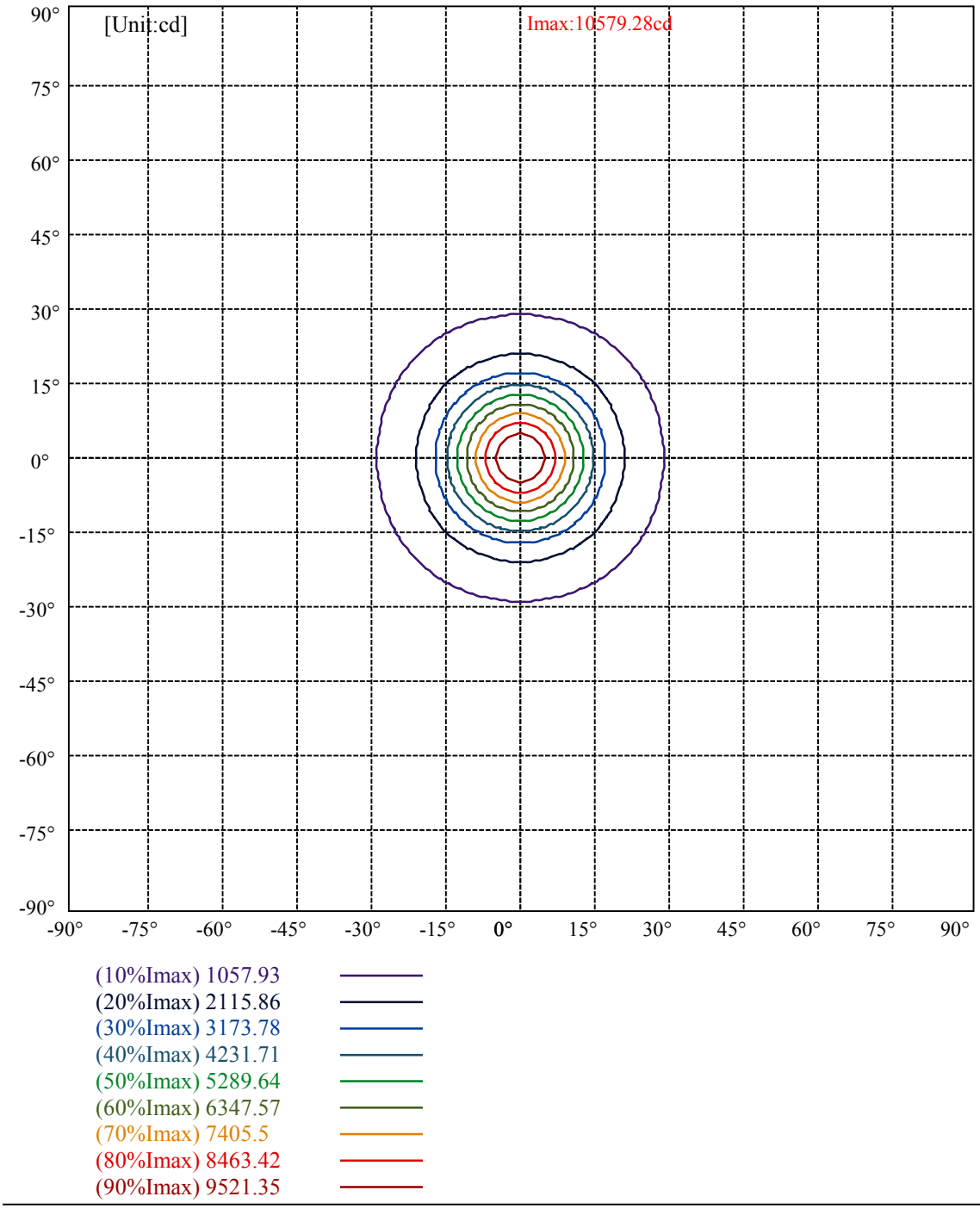
Field angle(10%Imax):C0/180Left:28.5 Right:28.5
:C90/270Left:28.5 Right:28.5

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

Lux distance Curve



ISO-Intensity(V-H)



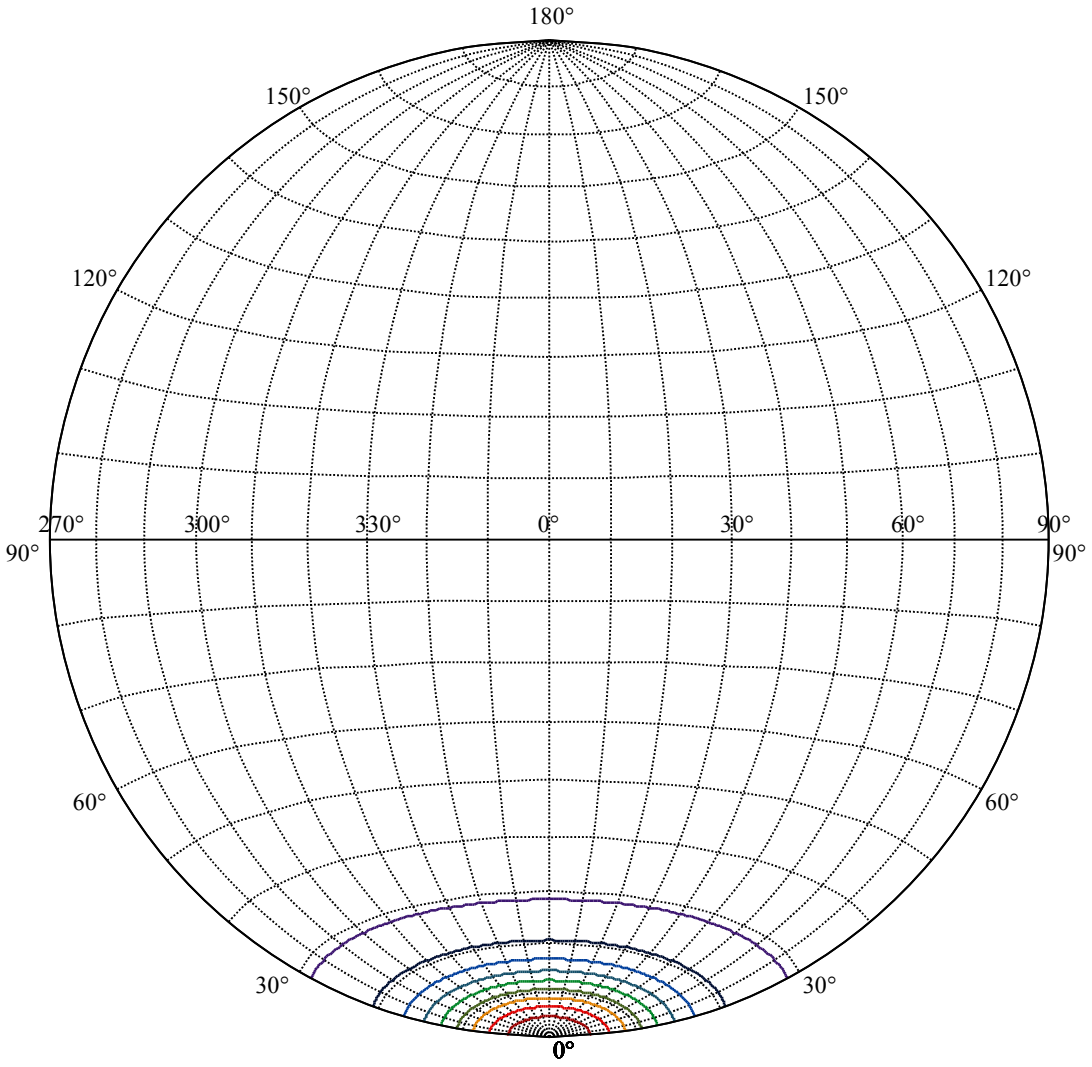
(10%Imax) 1057.93
(20%Imax) 2115.86
(30%Imax) 3173.78
(40%Imax) 4231.71
(50%Imax) 5289.64
(60%Imax) 6347.57
(70%Imax) 7405.5
(80%Imax) 8463.42
(90%Imax) 9521.35

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:10579.28

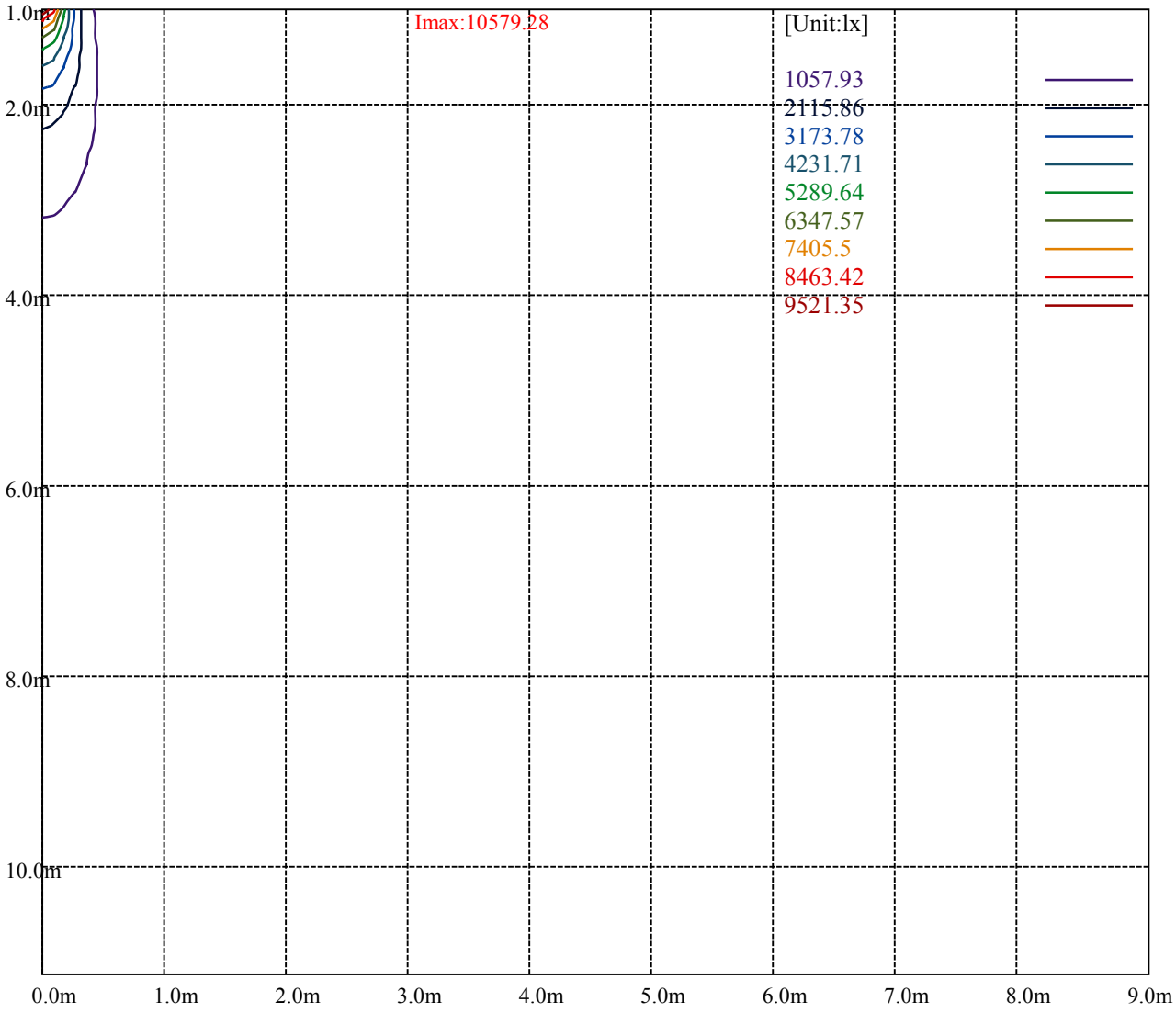
(10%Imax) 1057.93
(20%Imax) 2115.86
(30%Imax) 3173.78
(40%Imax) 4231.71
(50%Imax) 5289.64
(60%Imax) 6347.57
(70%Imax) 7405.5
(80%Imax) 8463.42
(90%Imax) 9521.35

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2752-L

Luminance Limitting Curve(no luminous side)

Luminance Table

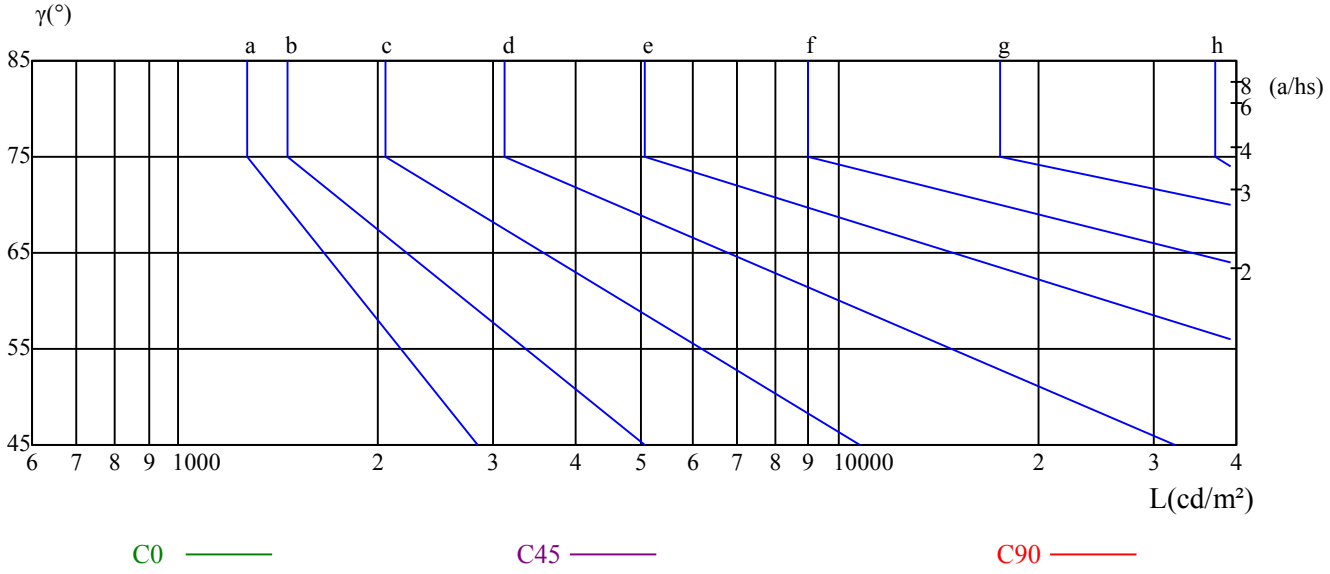
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: 2024/8/9
Humidity(%): 60.0%

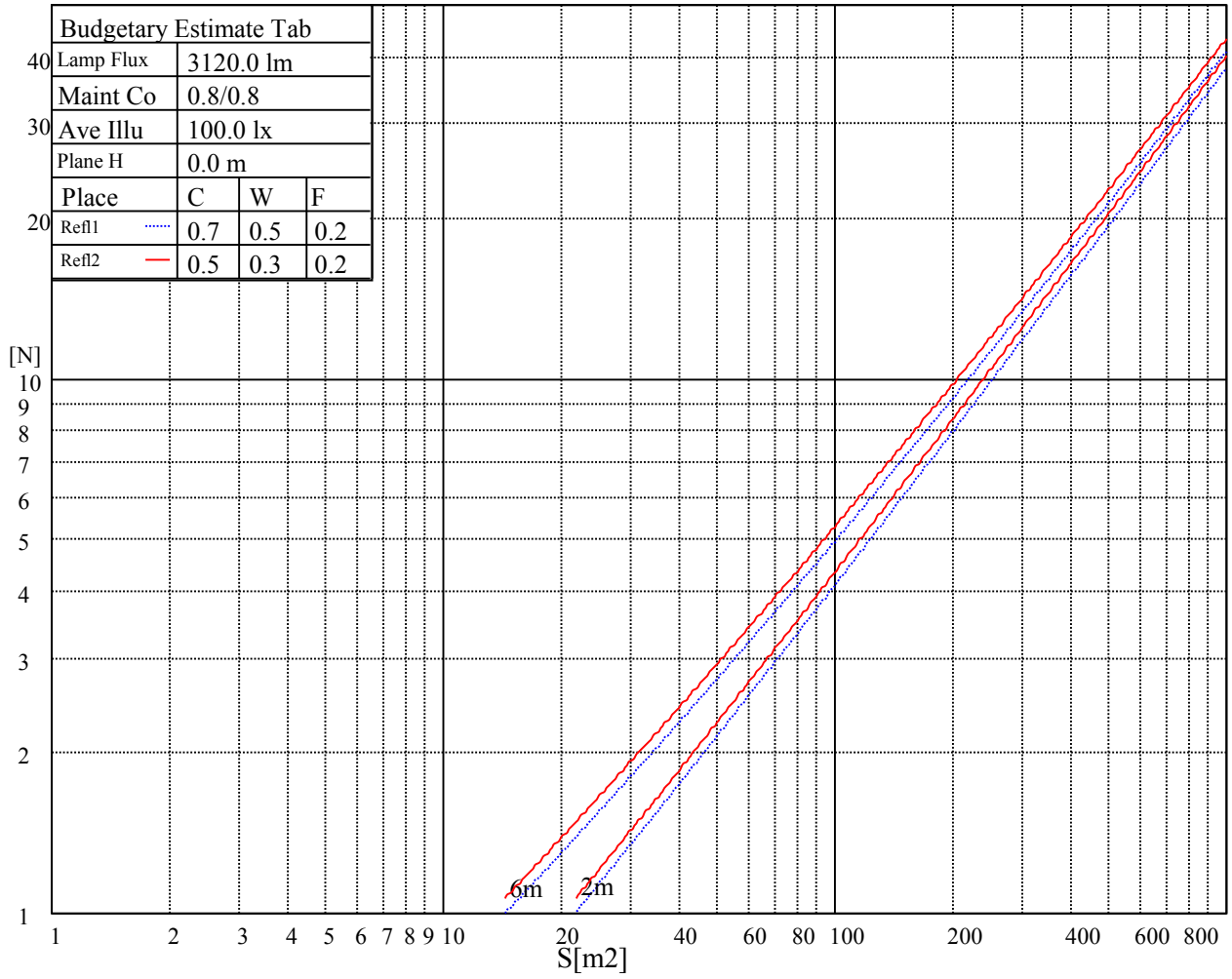
Operator: NT
Distance(m): 7.25

UGR Glare

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

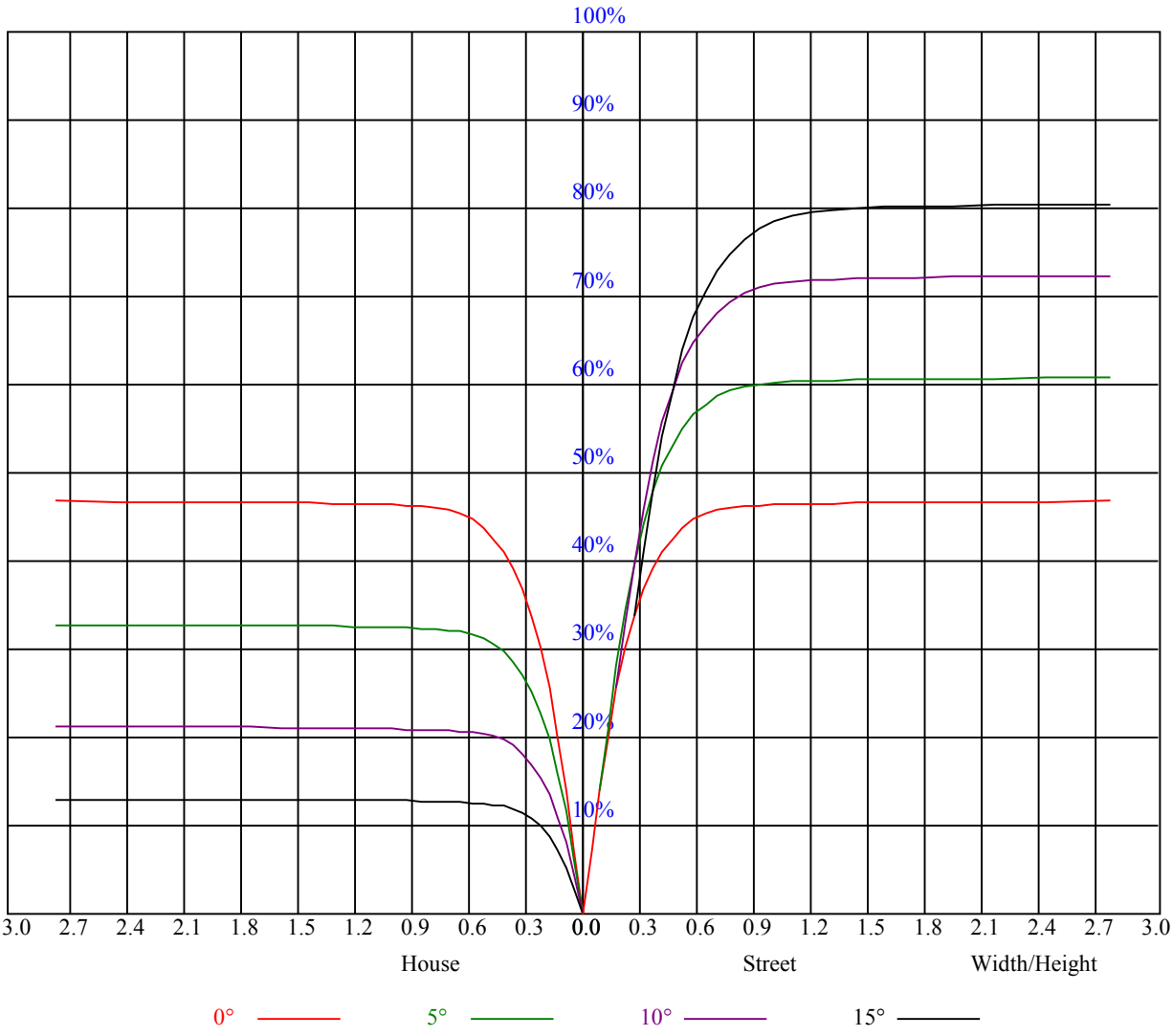
Date: 2024/8/9
Humidity(%): 60.0%

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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	0.99	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.86
3	0.94	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	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
7	0.79	0.75	0.72	0.79	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.76	0.73	0.70	0.69
8	0.76	0.72	0.69	0.76	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
10	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62

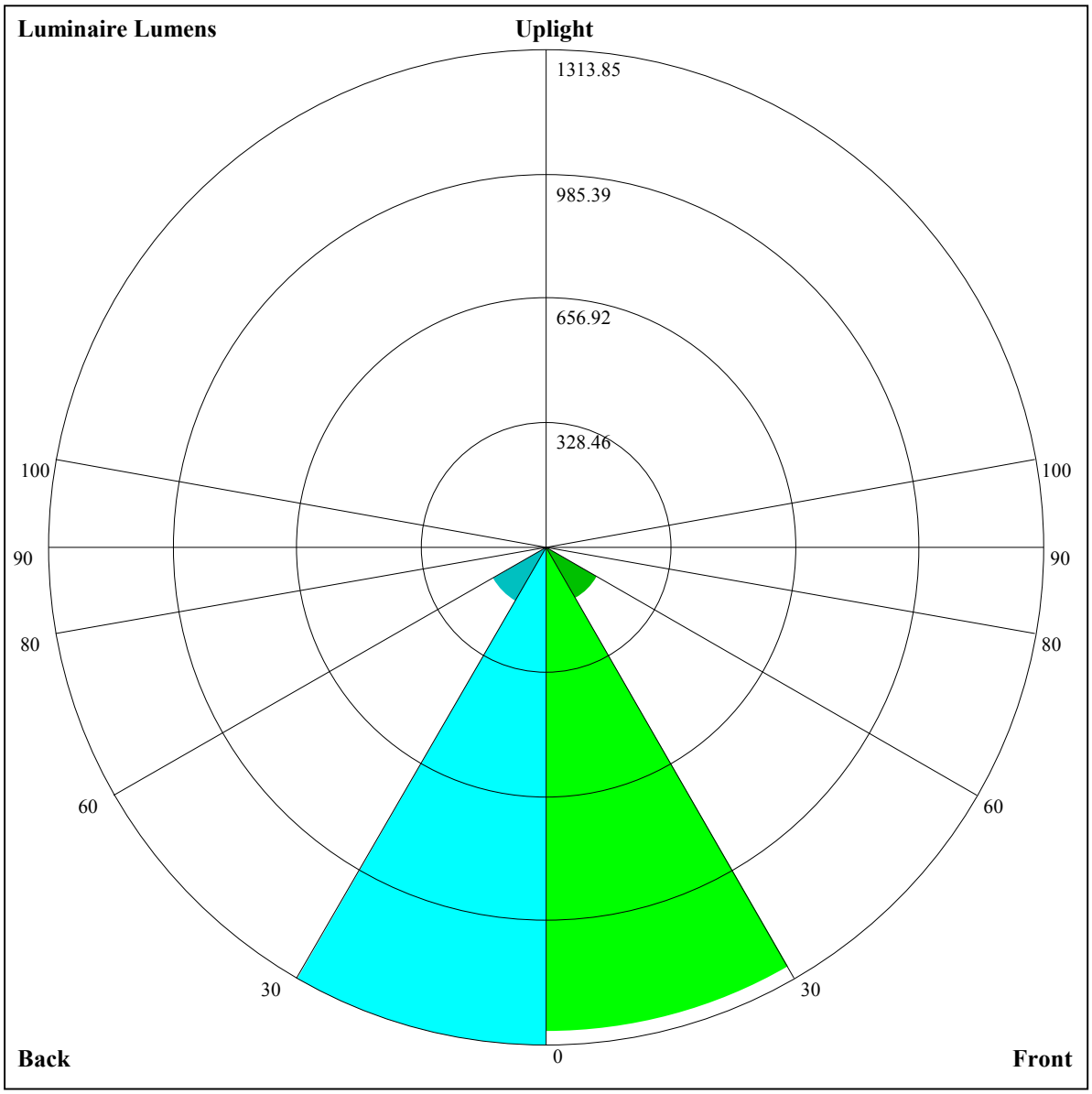
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1277.45,FM=155.05,FH=8.74,FVH=0.9
BL=1313.85,BM=163.83,BH=9.12,BVH=0.92
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	10561.33	10388.61	10159.07	9845.90	9616.36	8934.42	8415.68	8073.02	7258.46
45.0	10625.40	10589.19	10452.11	10215.31	9914.44	9528.90	9060.30	8533.78	7964.38
90.0	10523.96	10345.14	10078.81	9717.23	9288.21	8997.91	8235.18	7667.98	7325.90
135.0	10606.43	10573.58	10451.58	10233.13	9909.45	9516.65	9051.95	8529.90	7967.16
180.0	10561.33	10599.18	10566.90	10414.79	10164.59	9839.23	9412.42	8913.76	8366.64
225.0	10625.40	10540.67	10356.28	10086.59	9722.22	9300.99	8789.55	8361.06	7789.45
270.0	10523.96	10608.69	10574.68	10432.08	10216.99	9888.79	9494.36	9025.77	8492.58
315.0	10606.43	10494.47	10316.18	10166.27	9848.69	9447.01	8958.33	8422.35	7855.73
360.0	10561.33	10388.61	10159.07	9845.90	9616.36	8934.42	8415.68	8073.02	7258.46

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6910.23	6297.36	5693.36	5112.28	4559.53	4064.82	3608.47	3197.85	2845.73
45.0	7388.29	6801.01	6205.42	5604.79	5254.88	4484.90	4186.24	3721.00	3151.59
90.0	6501.25	6139.67	5538.51	4969.63	4441.43	3958.38	3511.54	3114.28	2772.20
135.0	7379.93	6798.22	6221.03	5619.30	5046.53	4499.40	3997.38	3549.44	3150.49
180.0	7810.63	7223.35	6637.22	6040.48	5683.37	4890.52	4572.94	4067.02	3440.79
225.0	7216.67	6626.08	6023.77	5430.97	4869.92	4337.25	3863.66	3425.18	3047.42
270.0	7938.78	7357.65	6760.33	6180.35	5570.26	5004.74	4572.94	3990.12	3632.44
315.0	7272.92	6691.84	6106.82	5506.18	4938.98	4414.67	3924.95	3477.54	3091.99
360.0	6910.23	6297.36	5693.36	5112.28	4559.53	4064.82	3608.47	3197.85	2845.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2533.14	2276.85	2046.73	1853.41	1690.73	1539.71	1413.83	1307.39	1083.58
45.0	2935.98	2610.04	2332.04	2098.56	1897.45	1720.79	1565.36	1431.64	1318.00
90.0	2478.01	2222.82	1997.74	1802.16	1637.22	1491.25	1373.72	1268.96	1083.79
135.0	2798.37	2611.73	2331.46	2093.56	1889.62	1716.90	1558.11	1424.39	1318.53
180.0	3201.74	2842.95	2527.05	2262.40	2034.48	1838.95	1678.48	1524.68	1392.07
225.0	2706.97	2417.82	2176.03	1961.53	1774.88	1616.61	1470.07	1352.54	1232.75
270.0	3229.07	2880.27	2565.47	2303.03	2073.49	1880.16	1708.54	1554.22	1421.08
315.0	2754.91	2460.71	2212.78	1994.96	1846.15	1651.15	1535.30	1404.36	1302.92
360.0	2533.14	2276.85	2046.73	1853.41	1690.73	1539.71	1413.83	1307.39	1083.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1083.58	1042.79	931.09	819.66	709.17	603.15	502.23	404.73	317.95
45.0	1227.70	1135.24	1029.38	920.16	805.94	696.77	592.54	531.83	400.32
90.0	1083.79	995.53	882.73	774.61	667.33	566.05	466.65	375.45	292.77
135.0	1226.60	1134.14	1024.34	912.38	802.63	693.40	586.97	486.15	393.11
180.0	1285.10	1194.27	1089.57	978.66	867.23	759.16	654.98	553.01	453.82
225.0	1107.91	1107.91	996.32	881.89	770.62	663.60	557.69	459.29	368.88
270.0	1313.54	1220.50	1117.43	1004.84	888.99	781.97	673.90	570.25	471.64
315.0	1074.75	1074.75	1011.62	895.82	787.44	678.84	576.98	472.59	380.18
360.0	1083.58	1042.79	931.09	819.66	709.17	603.15	502.23	404.73	317.95

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	237.32	168.94	114.48	81.00	68.96	60.81	53.82	48.57	43.57
45.0	345.76	284.47	284.47	122.73	86.83	71.06	62.39	55.03	49.04
90.0	217.92	152.43	102.76	76.16	66.07	58.61	52.19	49.15	42.68
135.0	308.96	308.96	275.53	117.21	81.68	68.44	60.92	54.88	49.83
180.0	362.47	298.40	298.40	155.85	105.76	78.37	67.81	60.34	54.45
225.0	285.15	207.57	142.18	92.72	71.06	62.60	55.93	51.56	45.89
270.0	412.04	292.83	292.83	276.11	118.74	81.63	68.02	59.97	53.56
315.0	293.72	214.88	147.12	115.58	72.80	67.07	59.08	52.56	47.31
360.0	237.32	168.94	114.48	81.00	68.96	60.81	53.82	48.57	43.57

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	40.95	37.69	34.95	32.43	30.28	28.96	27.75	26.39	25.49
45.0	44.26	40.16	37.06	34.27	31.64	29.86	29.07	27.96	26.28
90.0	38.95	37.37	34.59	32.01	30.07	28.75	27.44	26.33	25.55
135.0	45.05	40.89	38.00	35.11	32.48	30.59	29.33	28.23	26.86
180.0	49.30	44.52	40.37	37.42	34.69	32.01	30.85	29.17	28.02
225.0	41.42	38.74	35.58	33.48	30.91	29.33	28.33	27.07	26.07
270.0	48.15	43.15	39.26	36.32	33.53	30.96	29.07	27.96	27.02
315.0	42.47	38.58	35.48	32.85	30.49	28.91	27.70	26.39	25.23
360.0	40.95	37.69	34.95	32.43	30.28	28.96	27.75	26.39	25.49

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.02	24.18	22.81	21.81	20.87	19.45	17.66	16.29	15.24
45.0	25.86	25.18	24.39	23.44	22.55	21.45	20.03	18.19	16.77
90.0	25.12	24.13	22.97	22.23	21.18	19.50	17.71	16.61	15.35
135.0	25.91	25.65	24.39	23.18	22.50	21.71	20.29	18.50	17.08
180.0	27.23	26.23	25.60	24.60	23.50	22.44	21.34	19.76	18.08
225.0	25.44	25.02	24.13	22.92	22.02	20.76	19.03	17.35	16.24
270.0	25.76	24.81	24.55	23.71	22.60	21.60	20.60	19.19	17.56
315.0	24.65	24.07	22.92	21.71	20.92	19.92	18.76	16.71	15.93
360.0	25.02	24.18	22.81	21.81	20.87	19.45	17.66	16.29	15.24

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.98	12.25	11.25	10.57	9.62	8.20	7.62	6.99	6.41
45.0	15.51	14.09	12.51	11.41	10.46	9.57	8.36	7.57	6.94
90.0	13.61	12.56	11.25	10.41	9.83	8.52	7.57	6.94	6.25
135.0	16.03	14.72	12.83	11.62	10.83	9.88	8.57	7.67	7.04
180.0	16.82	15.61	14.19	12.51	11.51	10.67	9.57	8.41	7.52
225.0	14.88	13.93	11.77	11.09	10.51	9.41	8.09	7.46	6.78
270.0	16.35	15.14	13.61	12.04	11.14	10.25	9.25	8.09	7.25
315.0	14.93	13.46	11.77	10.99	10.20	9.15	7.88	7.25	6.68
360.0	13.98	12.25	11.25	10.57	9.62	8.20	7.62	6.99	6.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.62	5.15	4.78	4.36	3.99	3.68	3.36	3.05	2.68
45.0	6.52	5.78	5.05	4.84	4.47	3.99	3.68	3.36	3.05
90.0	5.52	4.99	4.57	4.26	3.89	3.57	3.21	2.94	2.63
135.0	6.41	5.62	5.05	4.57	4.21	3.94	3.57	3.31	3.00
180.0	6.94	6.20	5.57	4.99	4.63	4.21	3.94	3.57	3.15
225.0	6.04	5.31	4.89	4.47	4.05	3.73	3.36	3.00	2.73
270.0	6.62	6.04	5.41	4.99	4.47	4.26	3.84	3.36	3.15
315.0	5.99	5.26	4.84	4.52	4.10	3.73	3.36	3.15	2.84
360.0	5.62	5.15	4.78	4.36	3.99	3.68	3.36	3.05	2.68

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.42	2.21	1.94	1.73	1.47	1.37	1.05	0.84	0.68
45.0	2.73	2.42	2.10	1.89	1.68	1.42	1.26	1.05	0.79
90.0	2.31	2.10	1.84	1.58	1.42	1.26	1.10	0.89	0.79
135.0	2.63	2.37	2.10	1.84	1.58	1.37	1.21	1.05	0.84
180.0	2.84	2.52	2.26	2.00	1.79	1.52	1.31	1.16	0.95
225.0	2.47	2.21	1.94	1.73	1.47	1.37	1.16	1.00	0.84
270.0	2.84	2.42	2.21	1.94	1.68	1.42	1.21	1.10	1.00
315.0	2.68	2.26	2.00	1.79	1.58	1.31	1.16	1.05	0.89
360.0	2.42	2.21	1.94	1.73	1.47	1.37	1.05	0.84	0.68

Intensity data(cd)

C/γ(°)	90.0
0.0	0.68
45.0	0.68
90.0	0.84
135.0	0.79
180.0	0.79
225.0	0.63
270.0	0.79
315.0	0.68
360.0	0.68