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Nata

Client:
LumCAT: 2-2756-L
Luminaire: 92.70.411.00
Report No: 2024909-B012
Ballast type: AC

Test No: 2024909-C012	Voltage(V): 34.490
LampCAT: NICHIA NFCWJ108B-V3	Current(A): 0.563
Lamp flux(lm): 2538.0	Power (W): 19.410
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2344.46, Efficiency(%): 92.37% , Luminous Efficacy(lm/W): 120.79
Central intensity(cd): 5001.243, Maximum intensity(cd): 5001.243
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.4
[C90/270]Total=37.4
Field angle(10%Imax): [C0/180]Total=68.2
[C90/270]Total=68.2
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.64 C90_270=0.64
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.37%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.406%

Nata 2-2756-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5001.243	0.000	0	0.00%	0.00%
1.0	4994.771	4.783	4.783	0.19%	0.20%
2.0	4961.683	14.290	19.073	0.56%	0.81%
3.0	4920.730	23.635	42.709	0.93%	1.82%
4.0	4851.860	32.712	75.421	1.29%	3.22%
5.0	4762.563	41.361	116.782	1.63%	4.98%
6.0	4654.541	49.489	166.271	1.95%	7.09%
7.0	4526.610	56.987	223.258	2.25%	9.52%
8.0	4384.744	63.777	287.035	2.51%	12.24%
9.0	4229.080	69.810	356.845	2.75%	15.22%
10.0	4063.889	75.048	431.894	2.96%	18.42%
11.0	3889.559	79.471	511.365	3.13%	21.81%
12.0	3711.070	83.086	594.451	3.27%	25.36%
13.0	3531.313	85.949	680.4	3.39%	29.02%
14.0	3348.698	88.064	768.463	3.47%	32.78%
15.0	3175.774	89.571	858.034	3.53%	36.60%
16.0	2984.249	90.262	948.296	3.56%	40.45%
17.0	2797.527	90.038	1038.333	3.55%	44.29%
18.0	2621.266	89.344	1127.678	3.52%	48.10%
19.0	2442.553	88.100	1215.778	3.47%	51.86%
20.0	2271.429	86.279	1302.057	3.40%	55.54%
21.0	2098.210	83.906	1385.963	3.31%	59.12%
22.0	1957.749	81.506	1467.469	3.21%	62.59%
23.0	1788.019	78.596	1546.065	3.10%	65.95%
24.0	1672.834	75.667	1621.732	2.98%	69.17%
25.0	1537.716	73.001	1694.733	2.88%	72.29%
26.0	1418.590	69.784	1764.517	2.75%	75.26%
27.0	1290.147	66.270	1830.786	2.61%	78.09%
28.0	1173.188	62.366	1893.153	2.46%	80.75%
29.0	1060.061	58.428	1951.581	2.30%	83.24%
30.0	960.159	54.546	2006.126	2.15%	85.57%
31.0	841.815	50.146	2056.273	1.98%	87.71%
32.0	729.298	45.011	2101.283	1.77%	89.63%
33.0	614.797	39.598	2140.881	1.56%	91.32%
34.0	511.722	34.092	2174.973	1.34%	92.77%
35.0	411.959	28.686	2203.659	1.13%	93.99%
36.0	329.685	23.614	2227.273	0.93%	95.00%
37.0	269.113	19.529	2246.802	0.77%	95.83%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	181.078	15.027	2261.829	0.59%	96.48%
39.0	145.815	11.158	2272.987	0.44%	96.95%
40.0	108.798	8.880	2281.867	0.35%	97.33%
41.0	75.348	6.557	2288.424	0.26%	97.61%
42.0	61.590	4.975	2293.399	0.20%	97.82%
43.0	52.530	4.227	2297.627	0.17%	98.00%
44.0	45.749	3.709	2301.336	0.15%	98.16%
45.0	40.355	3.309	2304.645	0.13%	98.30%
46.0	35.743	2.976	2307.621	0.12%	98.43%
47.0	31.761	2.685	2310.306	0.11%	98.54%
48.0	28.298	2.428	2312.734	0.10%	98.65%
49.0	25.335	2.202	2314.936	0.09%	98.74%
50.0	22.773	2.006	2316.942	0.08%	98.83%
51.0	20.657	1.837	2318.779	0.07%	98.90%
52.0	18.817	1.694	2320.473	0.07%	98.98%
53.0	17.201	1.567	2322.04	0.06%	99.04%
54.0	15.841	1.456	2323.497	0.06%	99.11%
55.0	14.593	1.359	2324.855	0.05%	99.16%
56.0	13.574	1.273	2326.128	0.05%	99.22%
57.0	12.615	1.197	2327.325	0.05%	99.27%
58.0	11.794	1.129	2328.454	0.04%	99.32%
59.0	11.018	1.066	2329.52	0.04%	99.36%
60.0	10.447	1.014	2330.535	0.04%	99.41%
61.0	9.783	0.965	2331.5	0.04%	99.45%
62.0	9.251	0.917	2332.417	0.04%	99.49%
63.0	8.706	0.873	2333.29	0.03%	99.52%
64.0	8.193	0.829	2334.12	0.03%	99.56%
65.0	7.753	0.789	2334.909	0.03%	99.59%
66.0	7.332	0.753	2335.662	0.03%	99.62%
67.0	6.912	0.716	2336.378	0.03%	99.66%
68.0	6.518	0.680	2337.058	0.03%	99.68%
69.0	6.143	0.646	2337.704	0.03%	99.71%
70.0	5.788	0.613	2338.317	0.02%	99.74%
71.0	5.460	0.581	2338.898	0.02%	99.76%
72.0	5.138	0.551	2339.449	0.02%	99.79%
73.0	4.823	0.521	2339.97	0.02%	99.81%
74.0	4.501	0.490	2340.46	0.02%	99.83%
75.0	4.238	0.462	2340.922	0.02%	99.85%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.896	0.432	2341.354	0.02%	99.87%
77.0	3.620	0.401	2341.754	0.02%	99.88%
78.0	3.292	0.370	2342.124	0.01%	99.90%
79.0	3.029	0.340	2342.464	0.01%	99.92%
80.0	2.714	0.310	2342.774	0.01%	99.93%
81.0	2.411	0.277	2343.051	0.01%	99.94%
82.0	2.162	0.248	2343.299	0.01%	99.95%
83.0	1.919	0.222	2343.521	0.01%	99.96%
84.0	1.656	0.195	2343.715	0.01%	99.97%
85.0	1.465	0.170	2343.886	0.01%	99.98%
86.0	1.301	0.151	2344.037	0.01%	99.98%
87.0	1.104	0.132	2344.168	0.01%	99.99%
88.0	0.946	0.112	2344.281	0.00%	99.99%
89.0	0.782	0.095	2344.375	0.00%	100.00%
90.0	0.670	0.080	2344.455	0.00%	100.00%

Zonal flux distribution table

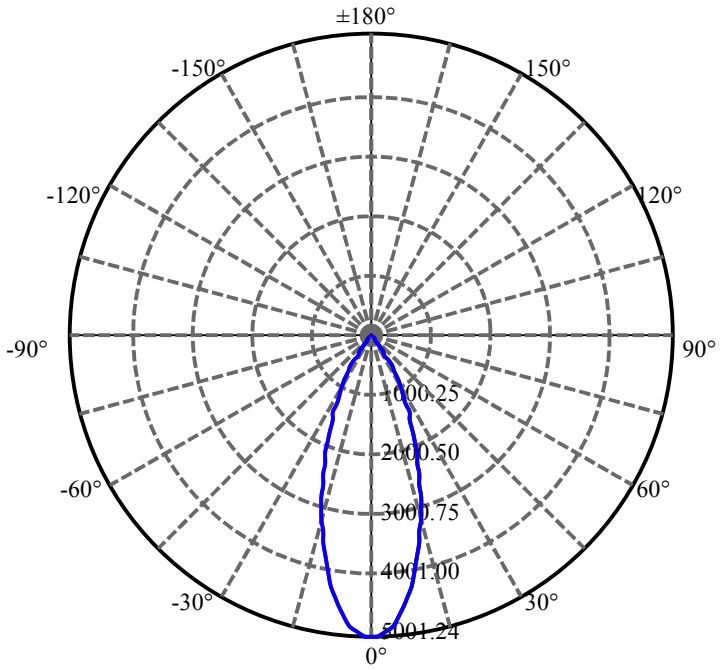
ZONAL LUMEN SUMMARY

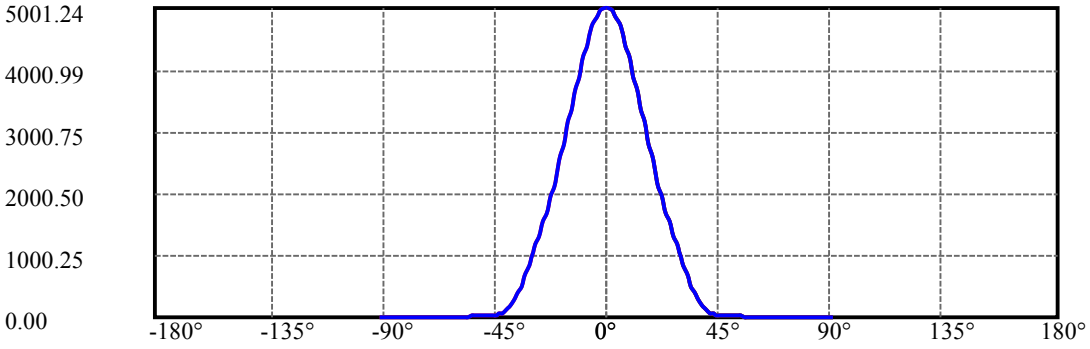
Zone	Lumens	%Lamp	%Fixt
0-30	2006.13	79.04%	85.57%
0-40	2281.87	89.91%	97.33%
0-60	2330.53	91.83%	99.41%
0-90	2344.38	92.37%	100.00%
0-120	2344.38	92.37%	100.00%
0-180	2344.46	92.37%	100.00%
60-90	13.84	0.55%	0.59%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.72	1875.56	73.90%	80.00%

ZONAL LUMEN SUMMARY

0-10	431.89
10-20	870.16
20-30	704.07
30-40	275.74
40-50	35.08
50-60	13.59
60-70	7.78
70-80	4.46
80-90	1.60
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):

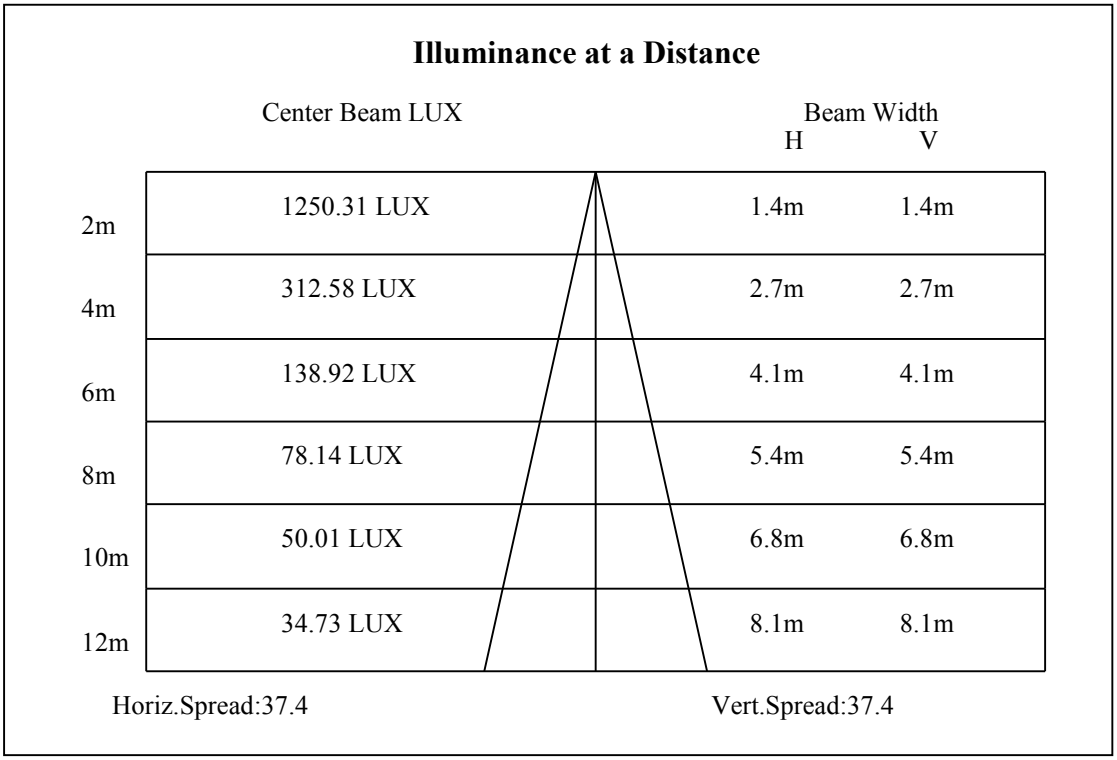
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.1 Right:34.1
:C90/270Left:34.1 Right:34.1

Beam Angle(50%Imax):C0/180Left:18.7 Right:18.7
:C90/270Left:18.7 Right:18.7

Lux distance Curve

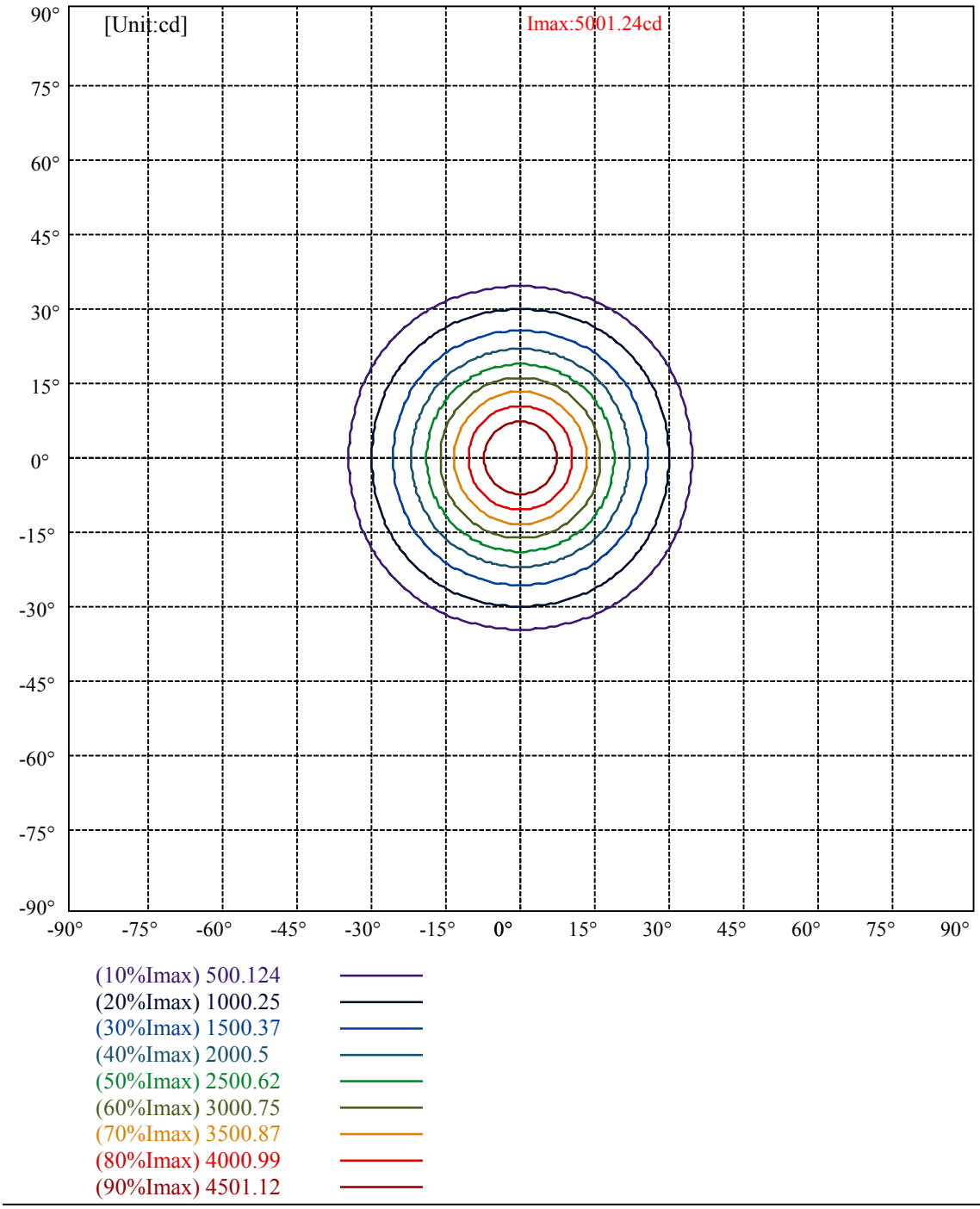


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)

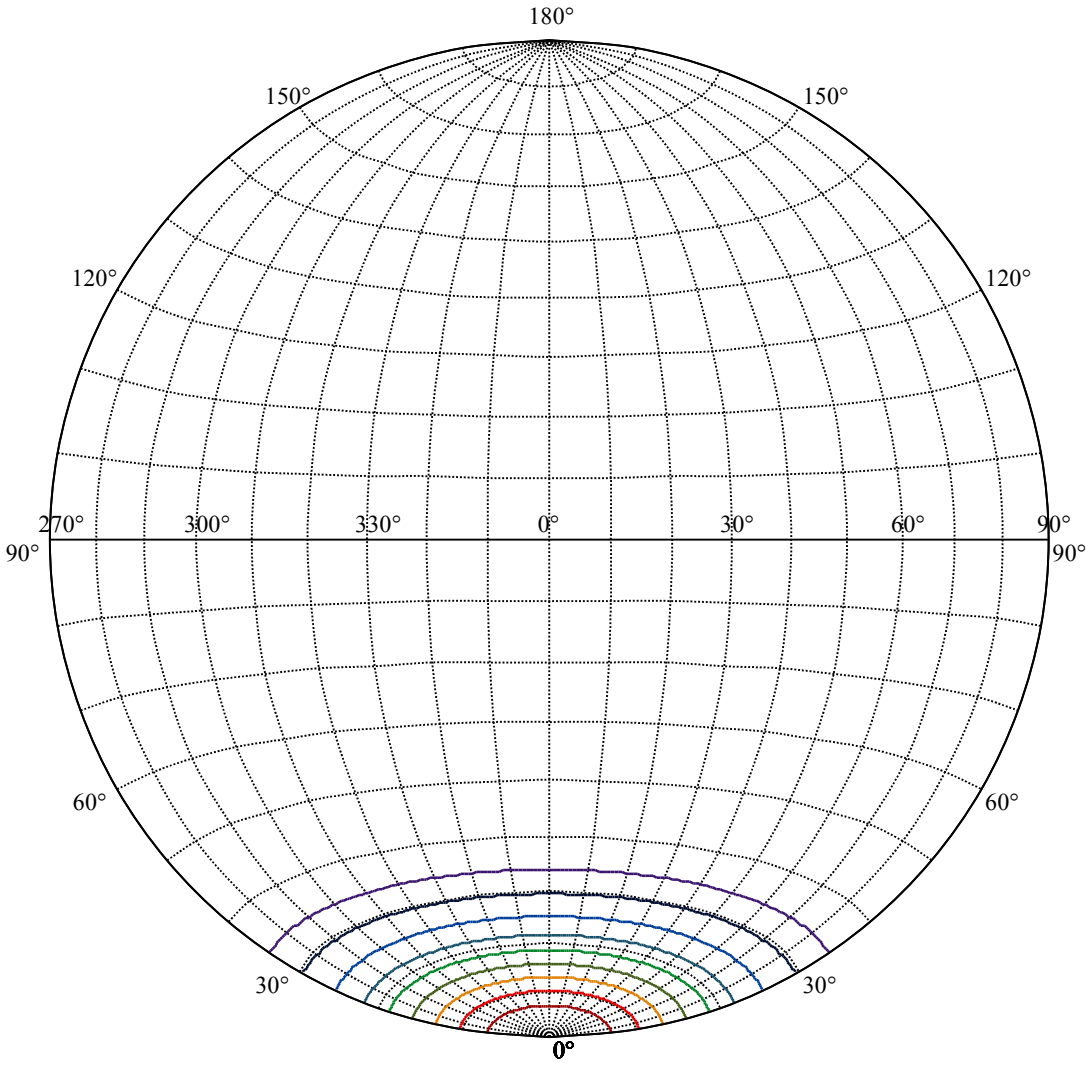


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

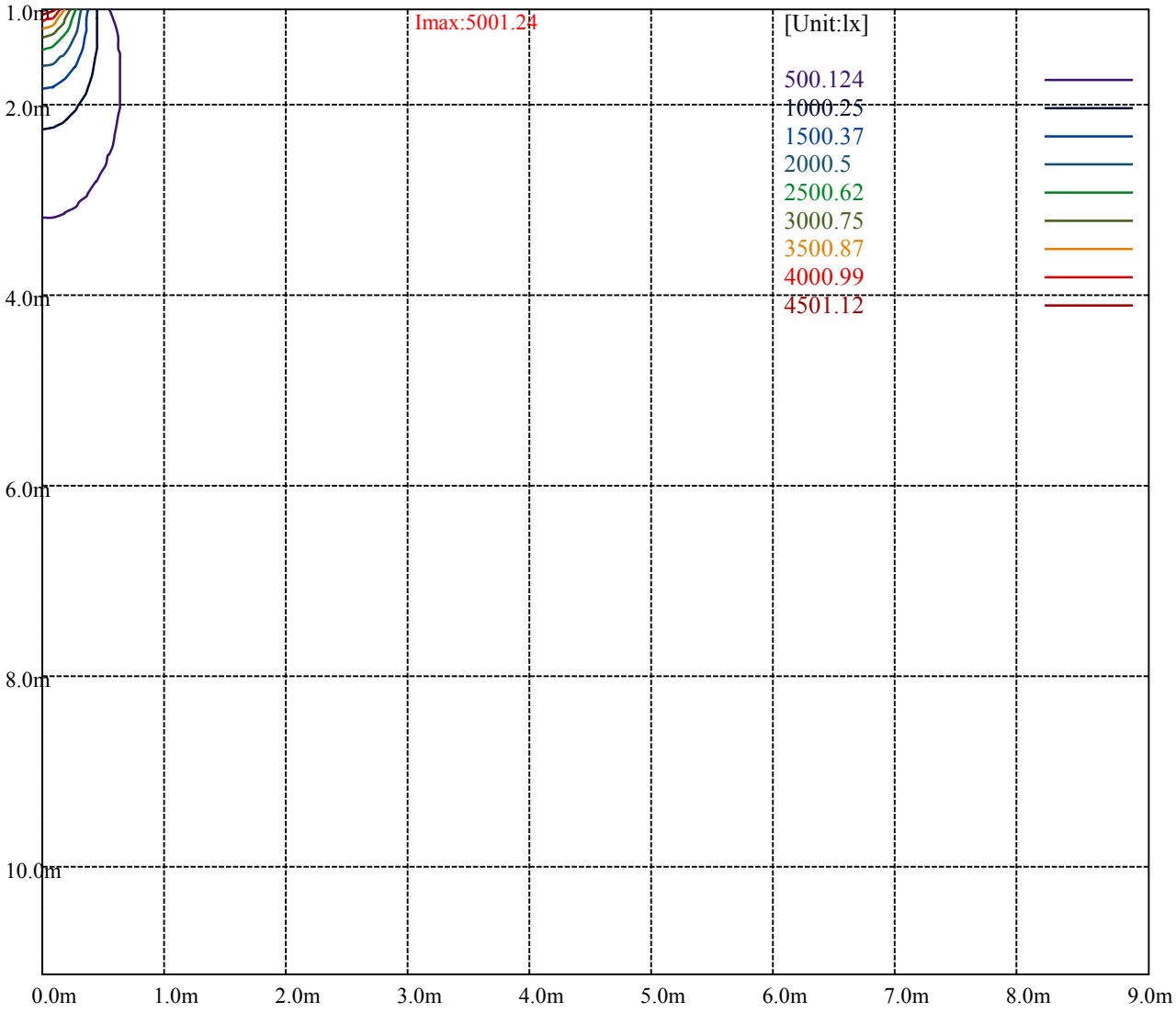


House [Unit:cd] Road

Imax:5001.24

(10%Imax) 500.124
(20%Imax) 1000.25
(30%Imax) 1500.37
(40%Imax) 2000.5
(50%Imax) 2500.62
(60%Imax) 3000.75
(70%Imax) 3500.87
(80%Imax) 4000.99
(90%Imax) 4501.12

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

Luminance Limitting Curve(no luminous side)

Luminance Table

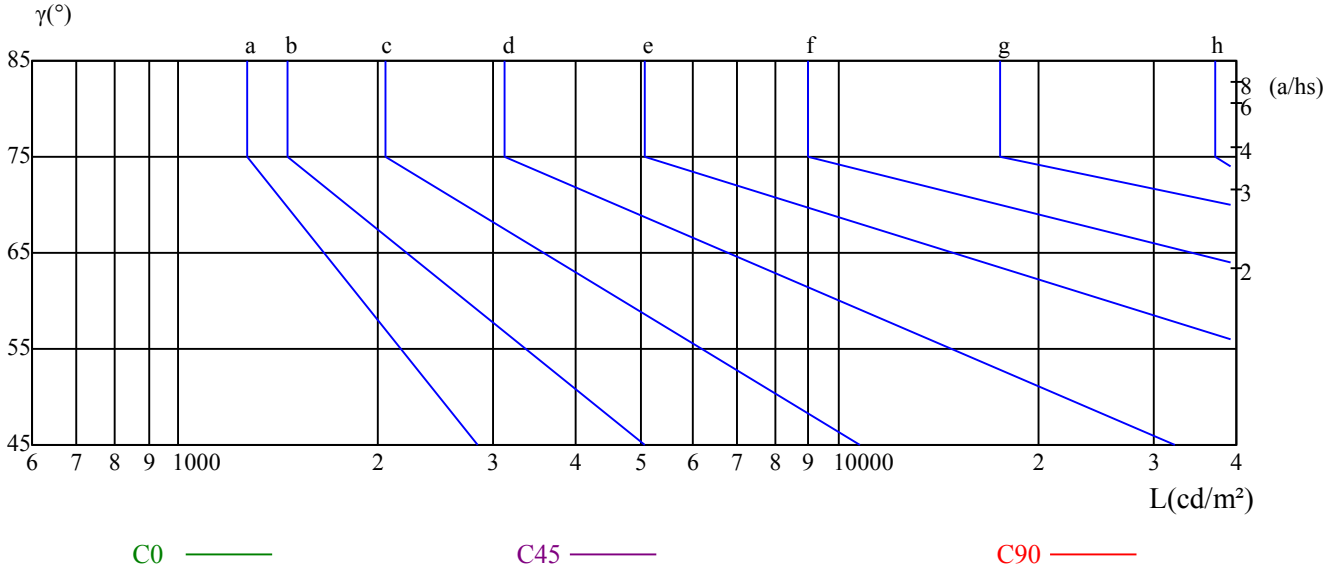
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

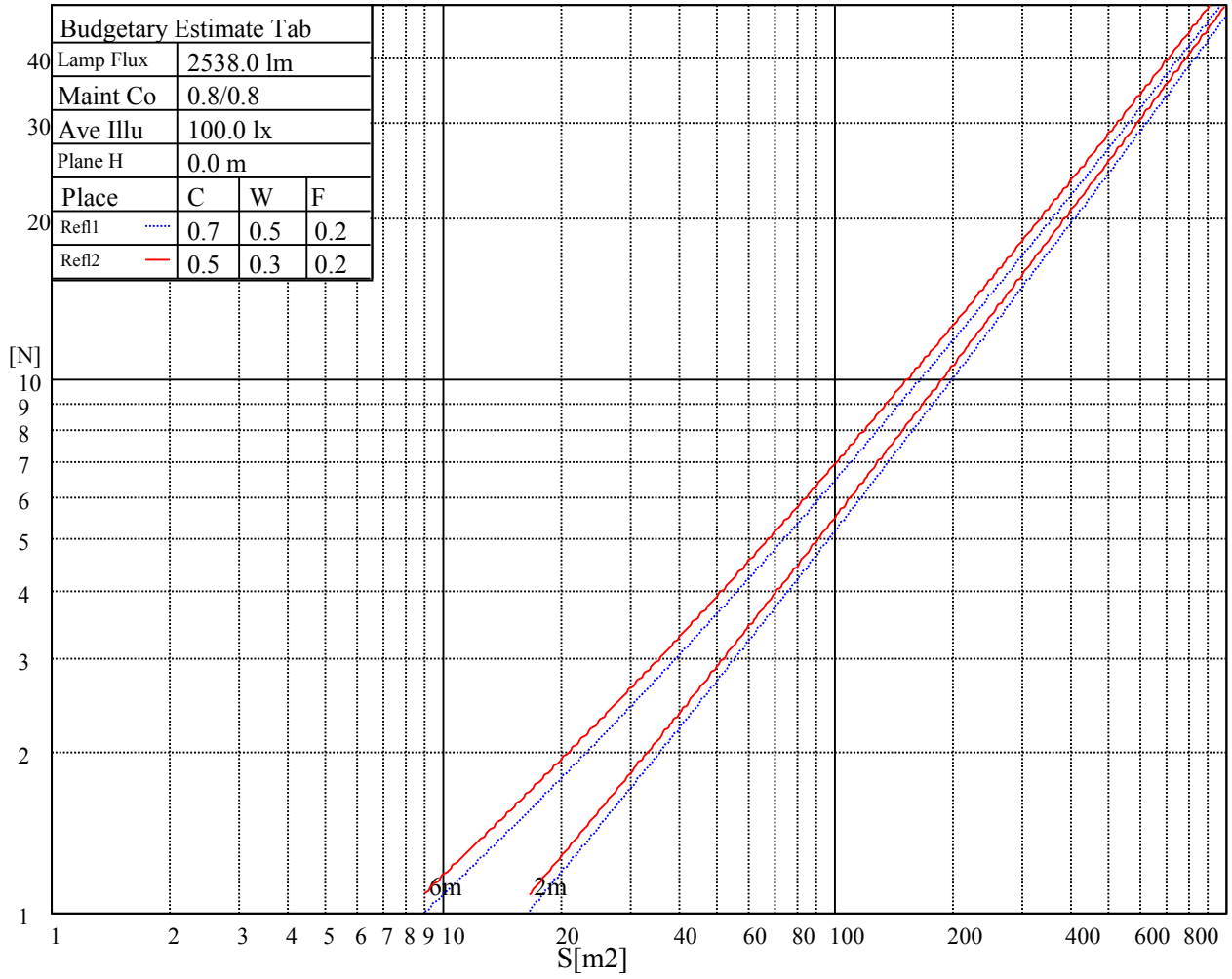
Luminance Limitting Curve



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

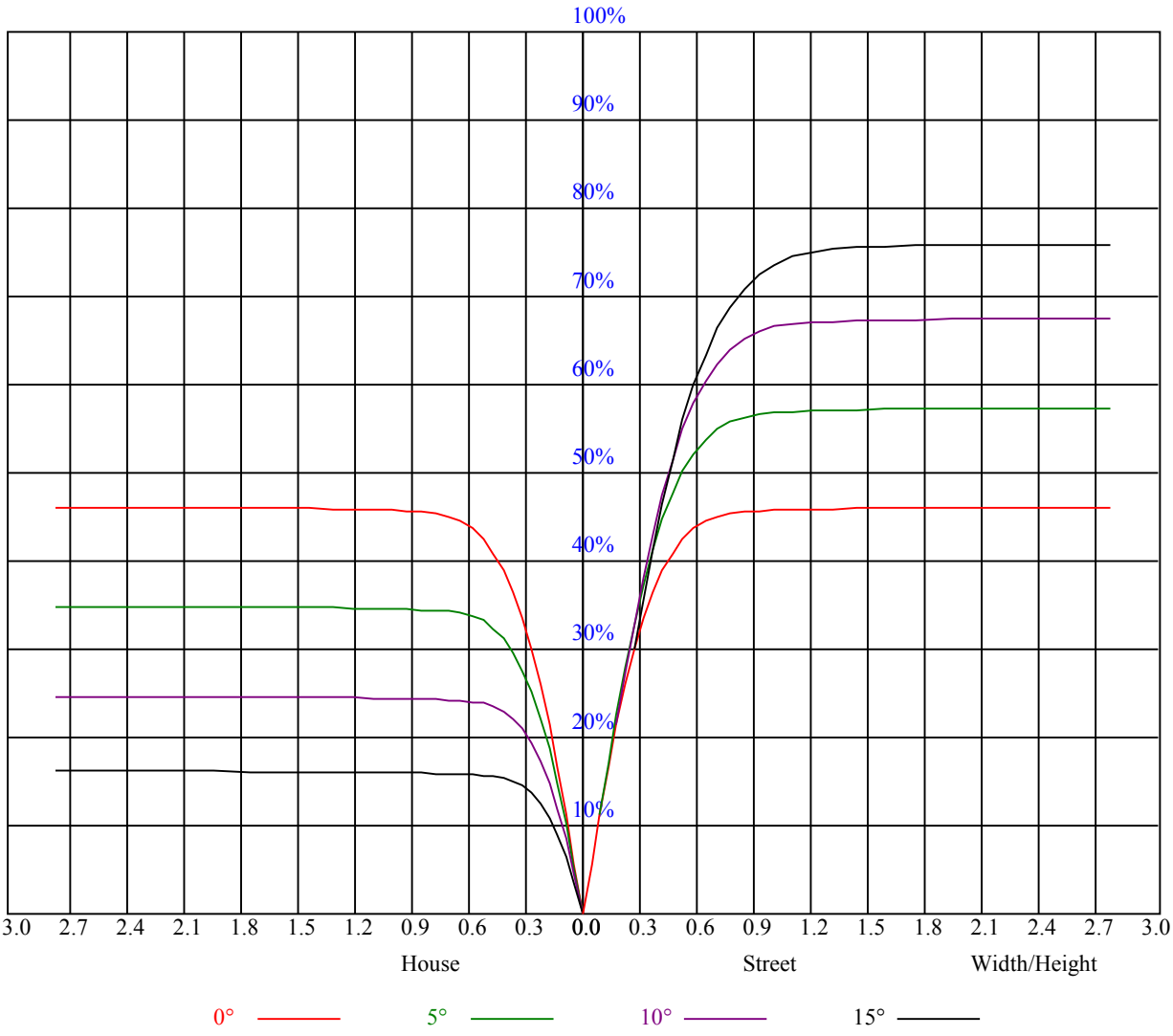


Equipment: GMS 1800 Date: 2024/9/9 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.25

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	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.98	0.97	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	0.95	0.92	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	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
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	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.72	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	0.66	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	0.63	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	0.60	0.58
10	0.65	0.61	0.58	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

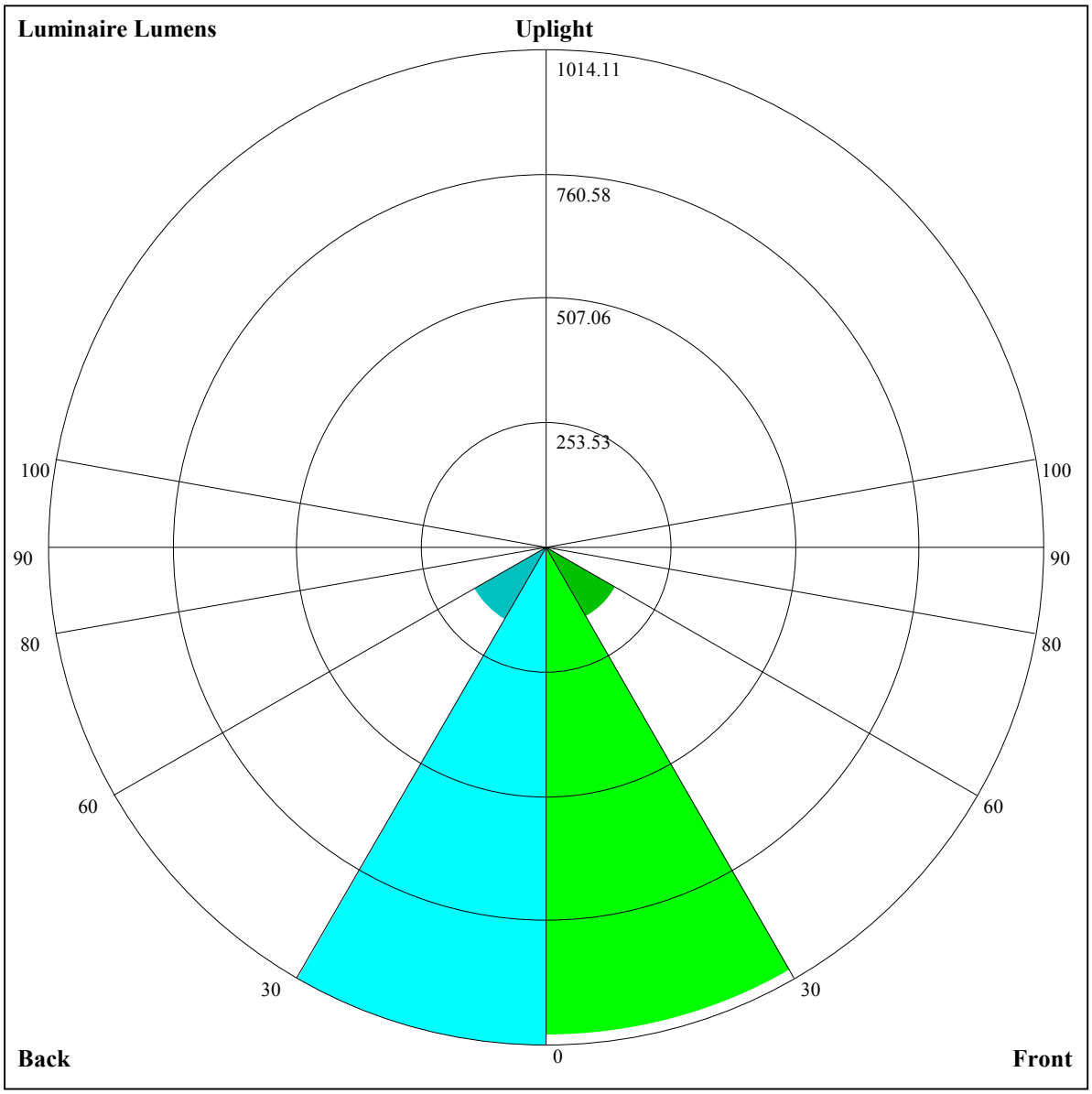
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=994.76,FM=162.33,FH=6.08,FVH=0.86
BL=1014.11,BM=168.95,BH=6.14,BVH=0.84
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	5000.27	4954.59	4879.90	4809.73	4702.77	4580.72	4448.68	4296.56	4136.09
45.0	5018.09	4998.59	4956.80	4888.26	4800.80	4687.68	4563.48	4420.24	4263.71
90.0	4985.76	4936.78	4839.80	4793.02	4683.79	4550.65	4403.53	4250.89	4083.16
135.0	5010.31	4998.59	4965.16	4914.49	4847.63	4781.87	4670.97	4540.61	4397.43
180.0	5000.27	5016.41	5018.67	4998.59	4966.26	4909.44	4832.54	4723.90	4600.80
225.0	5018.09	5032.60	5014.78	4990.23	4932.31	4858.19	4760.69	4638.12	4497.14
270.0	4966.84	5009.21	5032.60	5030.34	5011.41	4952.33	4879.90	4795.80	4691.05
315.0	5010.31	5011.41	4985.76	4941.19	4869.92	4779.61	4676.54	4546.76	4408.57
360.0	5000.27	4954.59	4879.90	4809.73	4702.77	4580.72	4448.68	4296.56	4136.09

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3966.73	3801.79	3626.87	3445.79	3271.38	3093.09	2923.74	2747.65	2576.04
45.0	4090.41	3922.74	3753.33	3573.93	3392.86	3211.20	3049.10	2868.02	2687.47
90.0	3918.80	3738.30	3559.43	3372.25	3192.86	3008.41	2823.45	2633.43	2446.78
135.0	4236.96	4063.66	3885.95	3705.45	3513.75	3321.00	3130.41	2935.98	2733.72
180.0	4455.93	4288.78	4111.02	3928.84	3738.30	3546.08	3349.39	3162.21	2961.63
225.0	4336.67	4168.99	3985.66	3811.31	3625.76	3438.53	3248.57	3064.13	2869.70
270.0	4569.57	4423.61	4260.35	4089.31	3924.37	3754.43	3573.93	3397.32	3216.25
315.0	4257.56	4103.24	3933.88	3761.69	3591.23	3416.83	3307.60	3065.23	2888.62
360.0	3966.73	3801.79	3626.87	3445.79	3271.38	3093.09	2923.74	2747.65	2576.04

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2403.89	2234.54	2071.28	1915.80	1774.88	1643.94	1570.94	1455.61	1343.08
45.0	2507.55	2368.26	2199.95	2039.53	1890.73	1747.55	1618.87	1498.50	1385.39
90.0	2265.18	2094.09	1923.05	1770.94	1654.51	1500.71	1404.36	1243.31	1105.44
135.0	2535.40	2338.72	2149.28	1965.42	1799.95	1647.26	1565.94	1387.07	1318.53
180.0	2762.16	2562.11	2440.69	2169.31	2062.34	1895.77	1679.58	1597.69	1471.75
225.0	2676.90	2487.47	2299.71	2124.73	2021.13	1801.05	1714.69	1577.09	1453.93
270.0	3036.27	2928.20	2662.40	2550.96	2369.36	2128.10	2031.70	1875.69	1727.52
315.0	2782.76	2527.05	2425.08	2248.99	2089.10	1939.77	1796.59	1666.76	1543.08
360.0	2403.89	2234.54	2071.28	1915.80	1774.88	1643.94	1570.94	1455.61	1343.08

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1065.86	1065.86	988.54	860.82	740.66	622.39	511.33	406.99	312.48
45.0	1275.64	1163.63	1043.31	918.48	798.16	677.79	563.58	457.19	359.69
90.0	1059.92	943.02	823.60	710.33	598.79	493.72	395.53	304.49	224.55
135.0	1208.78	1104.02	990.38	878.37	769.20	667.75	564.68	466.65	372.46
180.0	1353.06	1247.20	1139.71	1029.38	916.27	805.42	698.40	593.69	493.40
225.0	1334.14	1078.69	1078.69	986.28	866.23	748.60	636.06	529.88	427.49
270.0	1599.90	1473.43	1353.06	1234.43	1114.64	992.06	869.49	749.12	628.75
315.0	1423.87	1309.65	1063.18	1063.18	930.57	826.65	679.32	585.76	476.85
360.0	1065.86	1065.86	988.54	860.82	740.66	622.39	511.33	406.99	312.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	233.11	168.83	129.09	95.19	75.90	66.54	57.40	49.88	44.26
45.0	305.60	305.60	133.77	108.96	83.84	70.70	60.34	51.88	46.04
90.0	155.48	105.34	77.27	69.01	57.82	49.30	43.68	38.74	34.43
135.0	320.11	320.11	134.98	90.88	70.33	61.18	49.88	45.26	40.21
180.0	398.11	309.54	277.21	204.78	115.64	85.31	70.59	59.61	51.56
225.0	331.56	247.57	174.67	137.87	84.57	73.27	61.76	52.67	45.83
270.0	516.79	411.46	316.22	316.22	281.68	118.21	84.36	67.07	56.56
315.0	376.72	284.47	205.41	143.60	100.60	78.27	64.70	55.14	47.10
360.0	233.11	168.83	129.09	95.19	75.90	66.54	57.40	49.88	44.26

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	39.32	34.95	31.22	27.96	25.07	22.65	20.71	18.98	17.35
45.0	40.84	36.16	32.01	28.44	25.55	22.97	20.81	19.03	17.35
90.0	30.59	27.17	24.34	21.97	19.92	18.19	16.71	15.35	14.19
135.0	35.64	31.75	28.17	25.18	22.71	20.55	18.76	17.14	15.77
180.0	45.62	40.47	35.95	32.06	28.80	25.86	23.44	21.34	19.55
225.0	40.68	36.11	32.01	28.44	25.28	22.76	20.55	18.71	17.14
270.0	48.46	42.47	37.74	33.48	29.75	26.44	23.76	21.39	19.24
315.0	41.68	36.85	32.64	28.86	25.60	22.76	20.50	18.61	17.03
360.0	39.32	34.95	31.22	27.96	25.07	22.65	20.71	18.98	17.35

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.98	14.82	13.77	12.72	11.83	11.09	10.67	9.72	9.41
45.0	15.98	14.72	13.56	12.67	11.98	11.25	10.46	9.78	9.25
90.0	13.25	12.30	11.46	10.72	10.14	9.51	9.04	8.52	7.99
135.0	14.51	13.51	12.56	11.67	10.99	10.30	9.67	9.04	8.78
180.0	17.92	16.45	15.24	14.19	13.51	12.25	11.46	10.99	10.25
225.0	15.82	14.45	13.40	12.51	11.67	10.83	10.51	9.83	9.25
270.0	17.66	16.19	14.93	13.77	12.72	11.83	11.41	10.67	10.04
315.0	15.61	14.30	13.67	12.67	11.51	11.09	10.35	9.72	9.04
360.0	15.98	14.82	13.77	12.72	11.83	11.09	10.67	9.72	9.41

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.78	8.09	7.78	7.36	6.89	6.52	6.04	5.73	5.41
45.0	8.73	8.20	7.67	7.25	6.89	6.52	6.04	5.73	5.41
90.0	7.67	7.15	6.78	6.47	6.10	5.73	5.41	5.10	4.84
135.0	8.09	7.78	7.41	6.99	6.62	6.20	5.94	5.57	5.20
180.0	9.67	9.04	8.52	7.99	7.52	7.04	6.62	6.20	5.83
225.0	8.73	8.30	7.78	7.41	6.99	6.57	6.20	5.94	5.57
270.0	9.41	8.88	8.41	7.94	7.46	7.04	6.73	6.25	5.94
315.0	8.57	8.09	7.67	7.25	6.83	6.52	6.15	5.78	5.47
360.0	8.78	8.09	7.78	7.36	6.89	6.52	6.04	5.73	5.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.05	4.68	4.36	4.10	3.78	3.36	3.10	2.84	2.52
45.0	5.10	4.73	4.47	4.15	3.84	3.68	3.15	3.00	2.73
90.0	4.52	4.21	3.89	3.63	3.31	3.00	2.73	2.42	2.16
135.0	4.89	4.63	4.26	3.99	3.68	3.42	3.05	2.73	2.42
180.0	5.52	5.15	4.78	4.47	4.15	3.84	3.47	3.31	2.84
225.0	5.20	4.89	4.63	4.31	3.94	3.68	3.36	3.05	2.73
270.0	5.68	5.41	5.05	4.78	4.47	4.15	3.89	3.63	3.31
315.0	5.15	4.89	4.57	4.47	3.99	3.84	3.57	3.26	3.00
360.0	5.05	4.68	4.36	4.10	3.78	3.36	3.10	2.84	2.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.21	2.05	1.79	1.58	1.42	1.21	1.10	0.95	0.79
45.0	2.26	2.05	1.94	1.68	1.42	1.31	1.05	0.89	0.68
90.0	1.94	1.73	1.52	1.26	1.10	1.05	0.84	0.63	0.63
135.0	2.16	1.94	1.68	1.42	1.31	1.10	0.95	0.84	0.63
180.0	2.63	2.26	2.00	1.73	1.47	1.31	1.16	1.00	0.79
225.0	2.47	2.26	1.94	1.68	1.47	1.31	1.10	1.00	0.79
270.0	3.00	2.68	2.37	2.05	1.84	1.68	1.42	1.21	1.05
315.0	2.63	2.31	2.10	1.84	1.68	1.42	1.21	1.05	0.89
360.0	2.21	2.05	1.79	1.58	1.42	1.21	1.10	0.95	0.79

Intensity data(cd)

C/γ(°)	90.0
0.0	0.63
45.0	0.68
90.0	0.58
135.0	0.63
180.0	0.58
225.0	0.63
270.0	0.84
315.0	0.79
360.0	0.63