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

Nata

Client:
LumCAT: 2-2760-L
Luminaire: 92.70.412.00
Report No: 2024809-B003
Ballast type:
Test No: 2024809-C003
LampCAT: P2141-036-1206-P3090-1
Lamp flux(lm): 3120.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V):
Current(A):
Power (W): 25.450
PF:
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2904.16, Efficiency(%): 93.08% , Luminous Efficacy(lm/W): 114.11
Central intensity(cd): 4219.954, Maximum intensity(cd): 4228.187
Angle of maximum intensity: C=0.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=51.4
[C90/270]Total=51.4
Field angle(10%Imax): [C0/180]Total=73.4
[C90/270]Total=73.4
Maximum s/h(1/2): C0_180=0.81 C90_270=0.81
Maximum s/h(1/4): C0_180=0.79 C90_270=0.79
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.08%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.473%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4219.954	0.000	0	0.00%	0.00%
1.0	4222.050	4.039	4.039	0.13%	0.14%
2.0	4228.187	12.129	16.168	0.39%	0.56%
3.0	4226.163	20.220	36.388	0.65%	1.25%
4.0	4223.167	28.283	64.671	0.91%	2.23%
5.0	4218.219	36.314	100.985	1.16%	3.48%
6.0	4205.756	44.270	145.255	1.42%	5.00%
7.0	4181.997	52.063	197.318	1.67%	6.79%
8.0	4147.188	59.610	256.928	1.91%	8.85%
9.0	4104.139	66.873	323.801	2.14%	11.15%
10.0	4055.604	73.843	397.643	2.37%	13.69%
11.0	4002.674	80.519	478.162	2.58%	16.46%
12.0	3932.818	86.746	564.908	2.78%	19.45%
13.0	3855.013	92.422	657.33	2.96%	22.63%
14.0	3770.958	97.612	754.942	3.13%	26.00%
15.0	3674.993	102.221	857.163	3.28%	29.52%
16.0	3556.458	105.961	963.124	3.40%	33.16%
17.0	3426.773	108.748	1071.872	3.49%	36.91%
18.0	3303.159	110.962	1182.834	3.56%	40.73%
19.0	3138.651	112.074	1294.908	3.59%	44.59%
20.0	2991.424	112.197	1407.106	3.60%	48.45%
21.0	2830.129	111.786	1518.891	3.58%	52.30%
22.0	2665.267	110.432	1629.324	3.54%	56.10%
23.0	2507.461	108.538	1737.861	3.48%	59.84%
24.0	2348.532	106.169	1844.031	3.40%	63.50%
25.0	2206.317	103.567	1947.598	3.32%	67.06%
26.0	2069.734	100.937	2048.535	3.24%	70.54%
27.0	1910.739	97.383	2145.918	3.12%	73.89%
28.0	1774.641	93.306	2239.224	2.99%	77.10%
29.0	1613.281	88.638	2327.862	2.84%	80.16%
30.0	1398.425	81.315	2409.177	2.61%	82.96%
31.0	1214.115	72.703	2481.88	2.33%	85.46%
32.0	1124.318	66.993	2548.874	2.15%	87.77%
33.0	967.938	61.639	2610.512	1.98%	89.89%
34.0	798.411	53.455	2663.967	1.71%	91.73%
35.0	663.759	45.410	2709.377	1.46%	93.29%
36.0	520.848	37.718	2747.095	1.21%	94.59%
37.0	387.156	29.614	2776.709	0.95%	95.61%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	280.270	22.278	2798.987	0.71%	96.38%
39.0	224.107	17.216	2816.202	0.55%	96.97%
40.0	172.149	13.820	2830.022	0.44%	97.45%
41.0	99.770	9.683	2839.705	0.31%	97.78%
42.0	78.719	6.485	2846.19	0.21%	98.00%
43.0	66.584	5.382	2851.573	0.17%	98.19%
44.0	55.499	4.608	2856.18	0.15%	98.35%
45.0	48.003	3.978	2860.158	0.13%	98.48%
46.0	41.400	3.496	2863.654	0.11%	98.61%
47.0	36.222	3.087	2866.742	0.10%	98.71%
48.0	31.386	2.733	2869.475	0.09%	98.81%
49.0	27.576	2.421	2871.896	0.08%	98.89%
50.0	24.770	2.182	2874.079	0.07%	98.96%
51.0	22.195	1.987	2876.066	0.06%	99.03%
52.0	20.289	1.823	2877.889	0.06%	99.10%
53.0	18.607	1.692	2879.581	0.05%	99.15%
54.0	17.254	1.581	2881.161	0.05%	99.21%
55.0	15.880	1.479	2882.64	0.05%	99.26%
56.0	14.862	1.389	2884.029	0.04%	99.31%
57.0	13.883	1.314	2885.344	0.04%	99.35%
58.0	12.878	1.238	2886.581	0.04%	99.39%
59.0	12.155	1.170	2887.751	0.04%	99.44%
60.0	11.367	1.111	2888.863	0.04%	99.47%
61.0	10.742	1.055	2889.918	0.03%	99.51%
62.0	10.092	1.004	2890.922	0.03%	99.54%
63.0	9.481	0.952	2891.874	0.03%	99.58%
64.0	8.975	0.906	2892.779	0.03%	99.61%
65.0	8.482	0.864	2893.643	0.03%	99.64%
66.0	8.049	0.825	2894.468	0.03%	99.67%
67.0	7.602	0.787	2895.255	0.03%	99.69%
68.0	7.188	0.749	2896.004	0.02%	99.72%
69.0	6.807	0.714	2896.718	0.02%	99.74%
70.0	6.432	0.680	2897.398	0.02%	99.77%
71.0	6.064	0.646	2898.044	0.02%	99.79%
72.0	5.710	0.612	2898.656	0.02%	99.81%
73.0	5.388	0.580	2899.237	0.02%	99.83%
74.0	5.026	0.547	2899.784	0.02%	99.85%
75.0	4.711	0.514	2900.298	0.02%	99.87%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.376	0.482	2900.781	0.02%	99.88%
77.0	4.041	0.449	2901.23	0.01%	99.90%
78.0	3.719	0.415	2901.645	0.01%	99.91%
79.0	3.292	0.377	2902.022	0.01%	99.93%
80.0	2.983	0.338	2902.36	0.01%	99.94%
81.0	2.654	0.305	2902.665	0.01%	99.95%
82.0	2.332	0.270	2902.935	0.01%	99.96%
83.0	2.057	0.239	2903.174	0.01%	99.97%
84.0	1.794	0.210	2903.384	0.01%	99.97%
85.0	1.551	0.183	2903.566	0.01%	99.98%
86.0	1.327	0.157	2903.723	0.01%	99.99%
87.0	1.156	0.136	2903.859	0.00%	99.99%
88.0	0.979	0.117	2903.976	0.00%	99.99%
89.0	0.802	0.098	2904.074	0.00%	100.00%
90.0	0.696	0.082	2904.156	0.00%	100.00%

Zonal flux distribution table

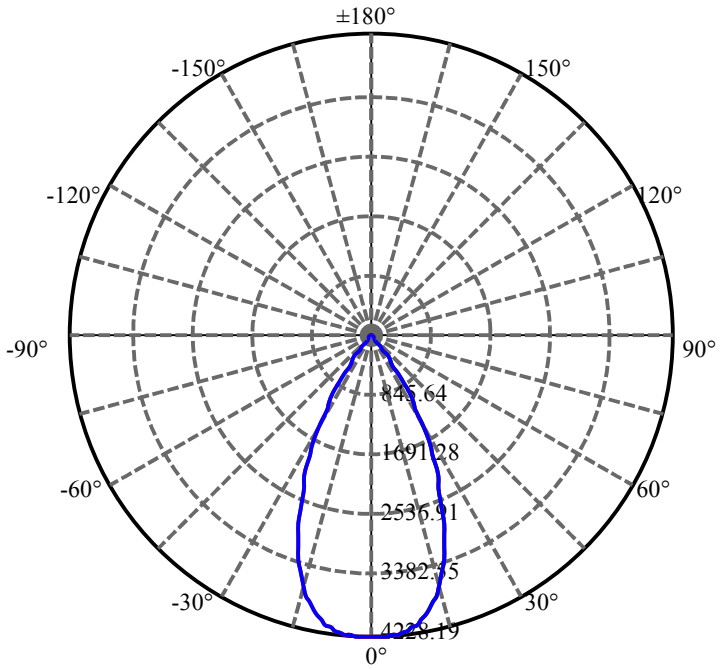
ZONAL LUMEN SUMMARY

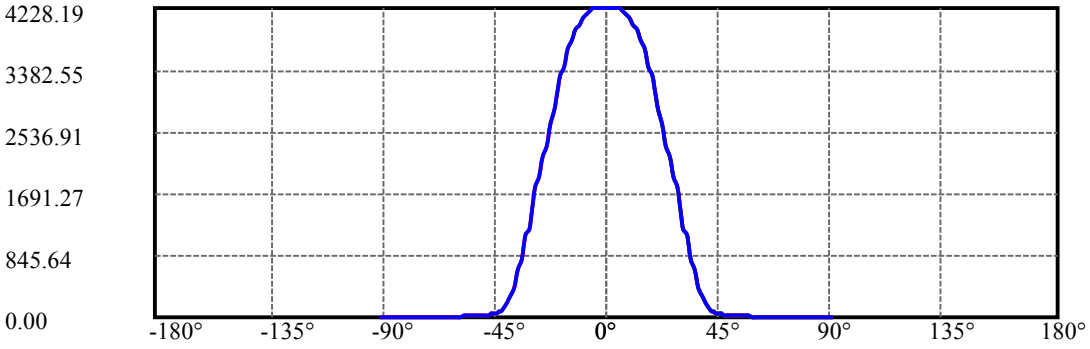
Zone	Lumens	%Lamp	%Fixt
0-30	2409.18	77.22%	82.96%
0-40	2830.02	90.71%	97.45%
0-60	2888.86	92.59%	99.47%
0-90	2904.07	93.08%	100.00%
0-120	2904.07	93.08%	100.00%
0-180	2904.16	93.08%	100.00%
60-90	15.21	0.49%	0.52%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.95	2323.33	74.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	397.64
10-20	1009.46
20-30	1002.07
30-40	420.85
40-50	44.06
50-60	14.78
60-70	8.54
70-80	4.96
80-90	1.71
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:

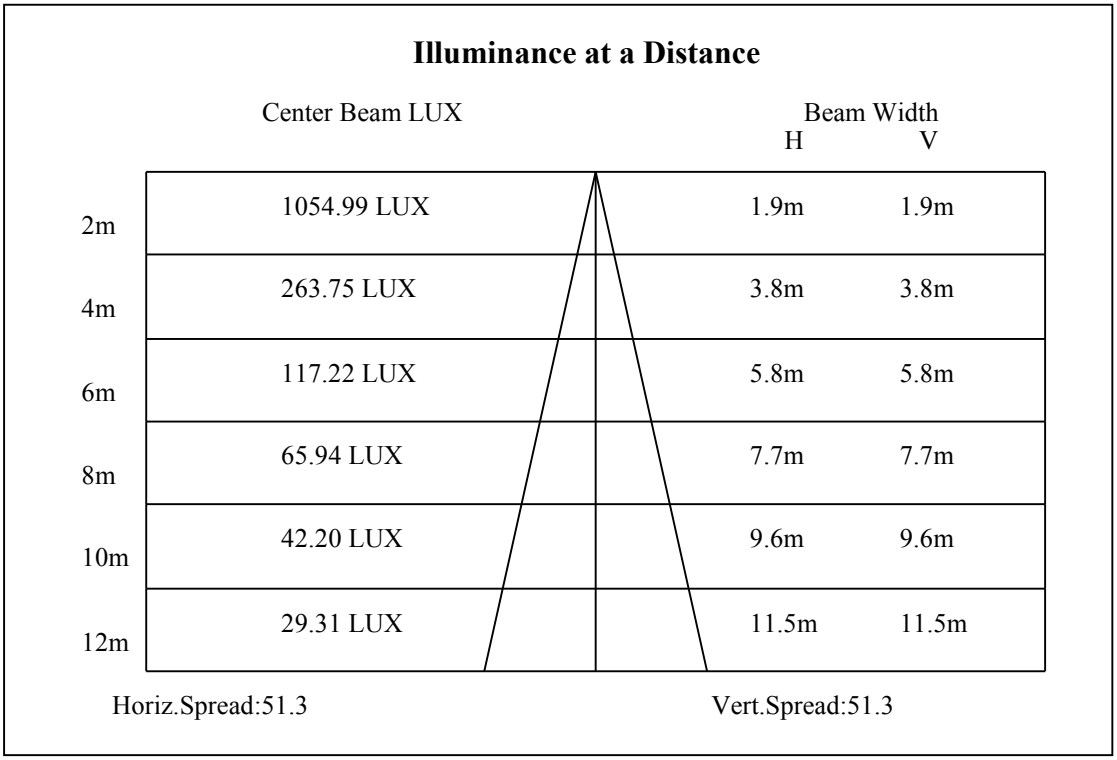
C90/C270:

Field angle(10%Imax):C0/180Left:38.7 Right:34.7
:C90/270Left:38.7 Right:34.7

Beam Angle(50%Imax):C0/180Left:27.7 Right:23.7
:C90/270Left:27.7 Right:23.7

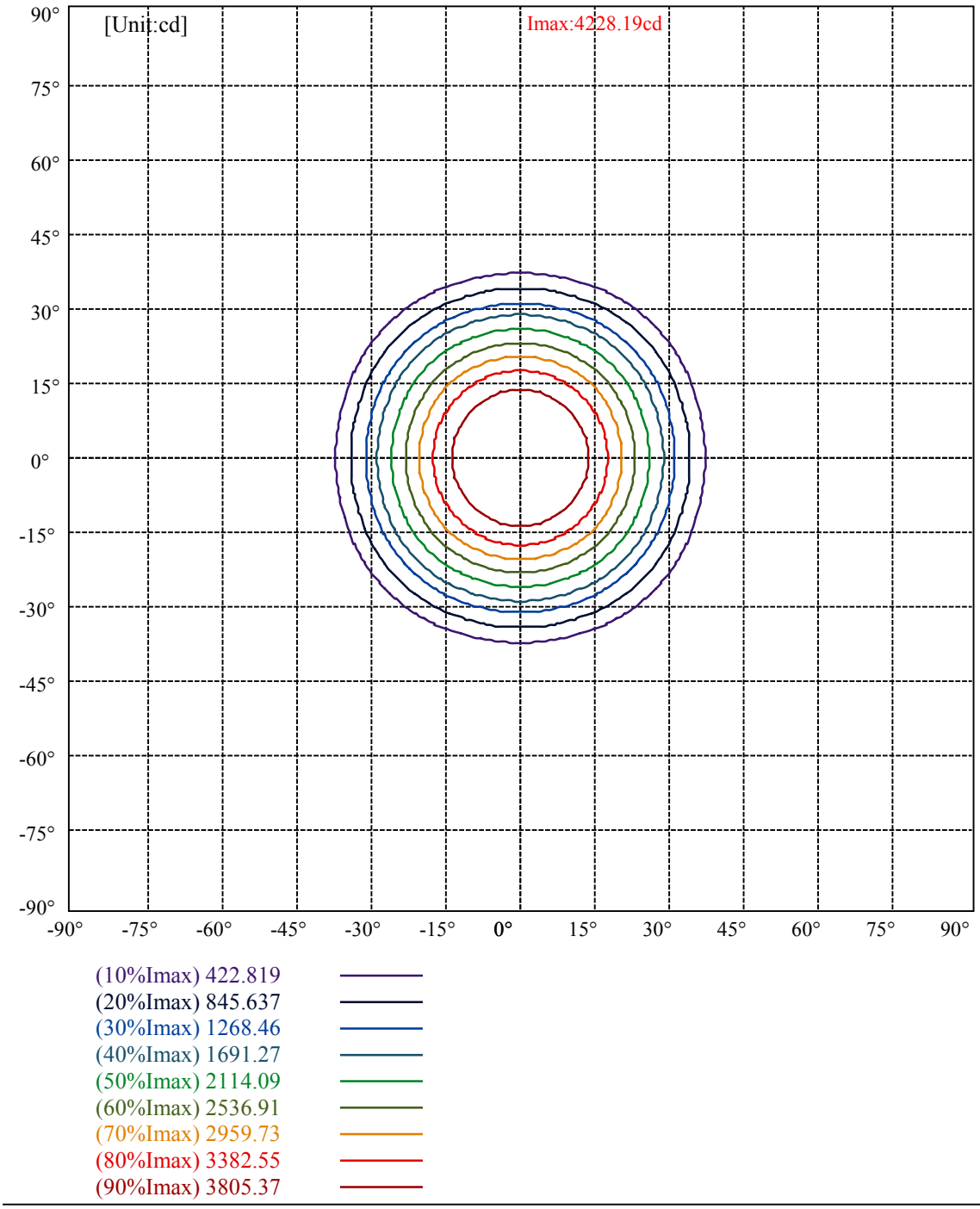
Equipment: GMS 1800 Date: 2024/8/9 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

Lux distance Curve



Equipment: GMS 1800 Date: 2024/8/9 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

ISO-Intensity(V-H)

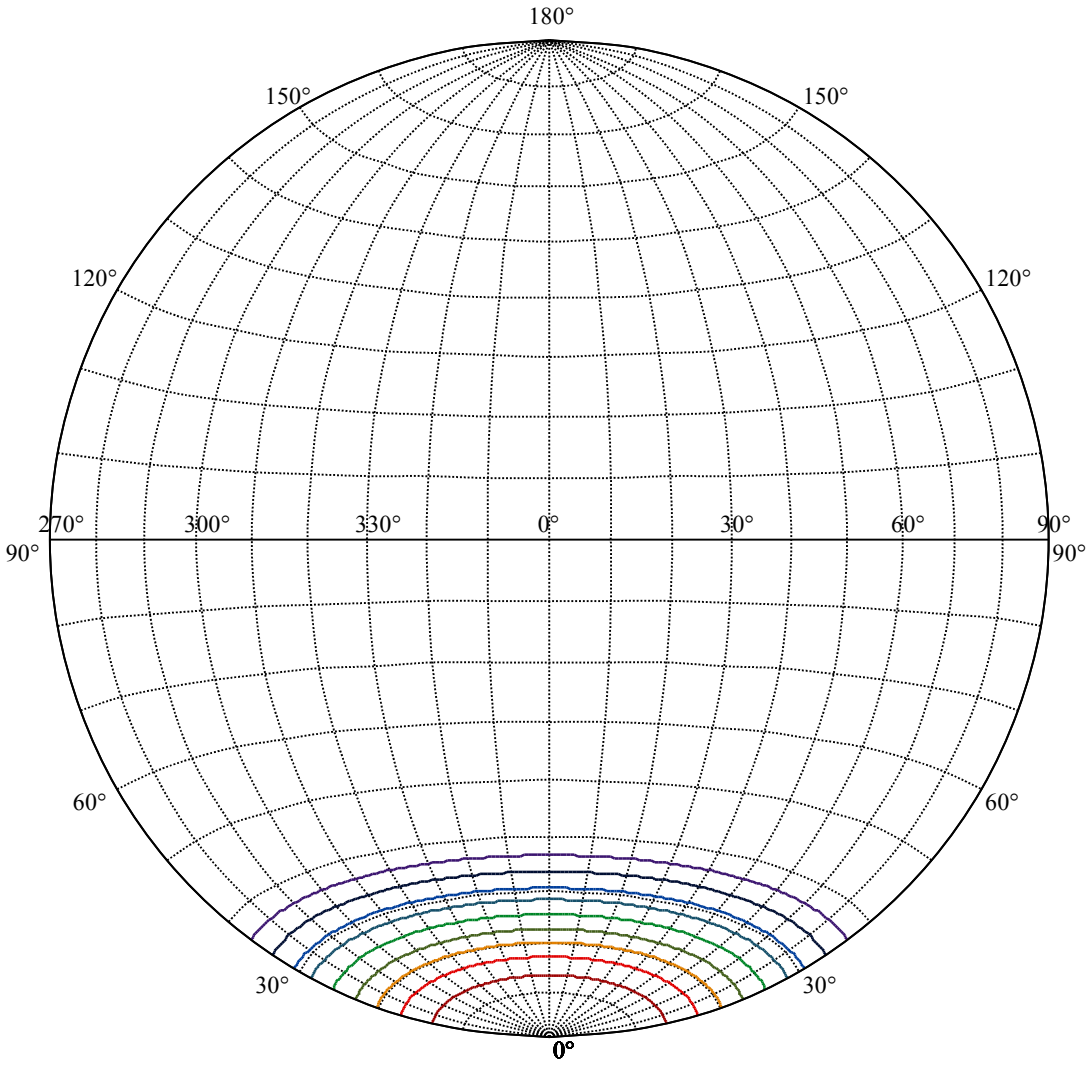


Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/9
Humidity(%): 60%

Operator: NT0

ISO candela diagram on circular web



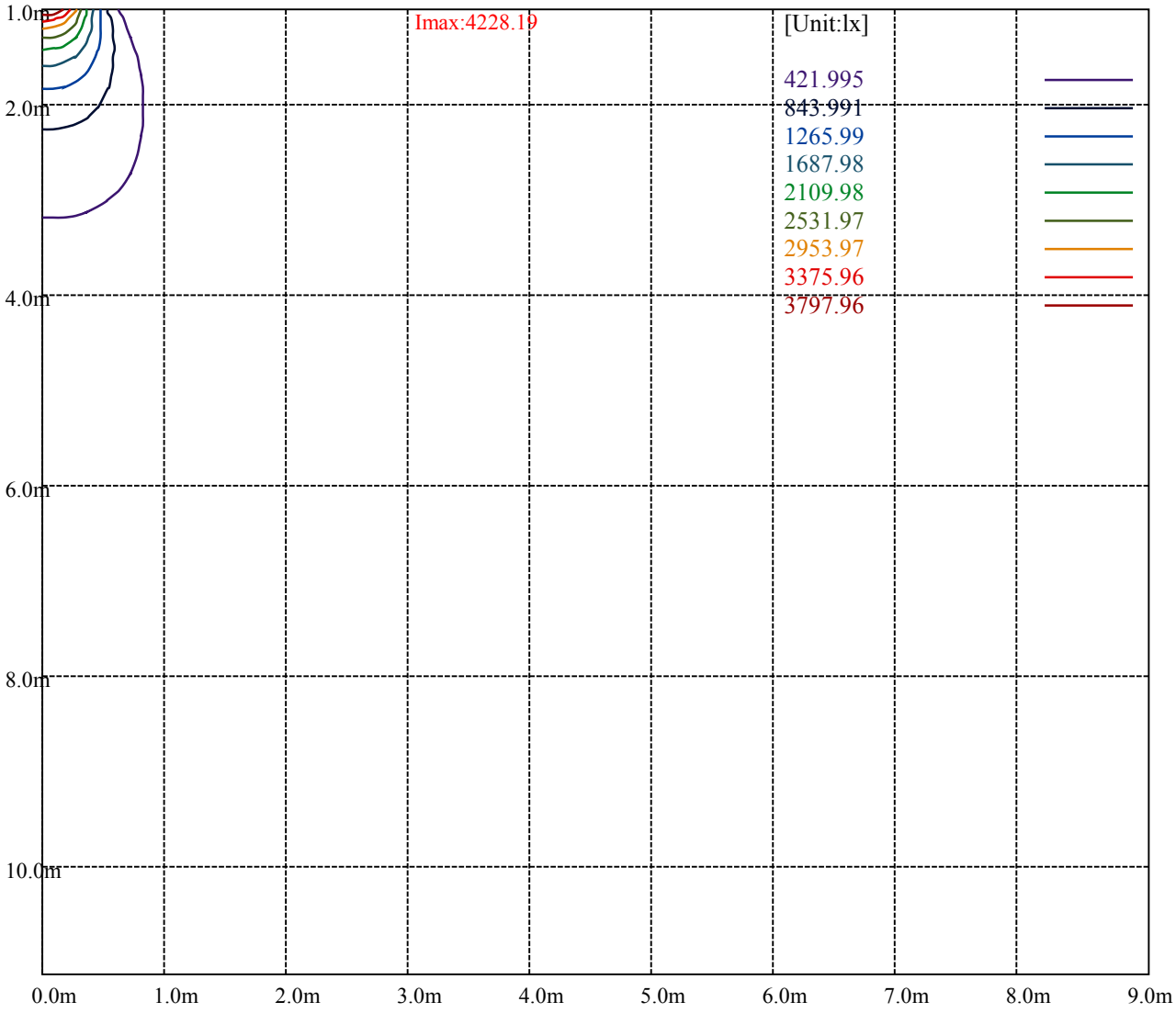
House [Unit:cd] Road

Imax:4228.19

(10%Imax) 422.819
(20%Imax) 845.637
(30%Imax) 1268.46
(40%Imax) 1691.27
(50%Imax) 2114.09
(60%Imax) 2536.91
(70%Imax) 2959.73
(80%Imax) 3382.55
(90%Imax) 3805.37

Equipment: GMS 1800 Date: 2024/8/9 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

Space ISO Lux diagram



Equipment: GMS 1800 Date: 2024/8/9 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

Luminance Limitting Curve(no luminous side)

Luminance Table

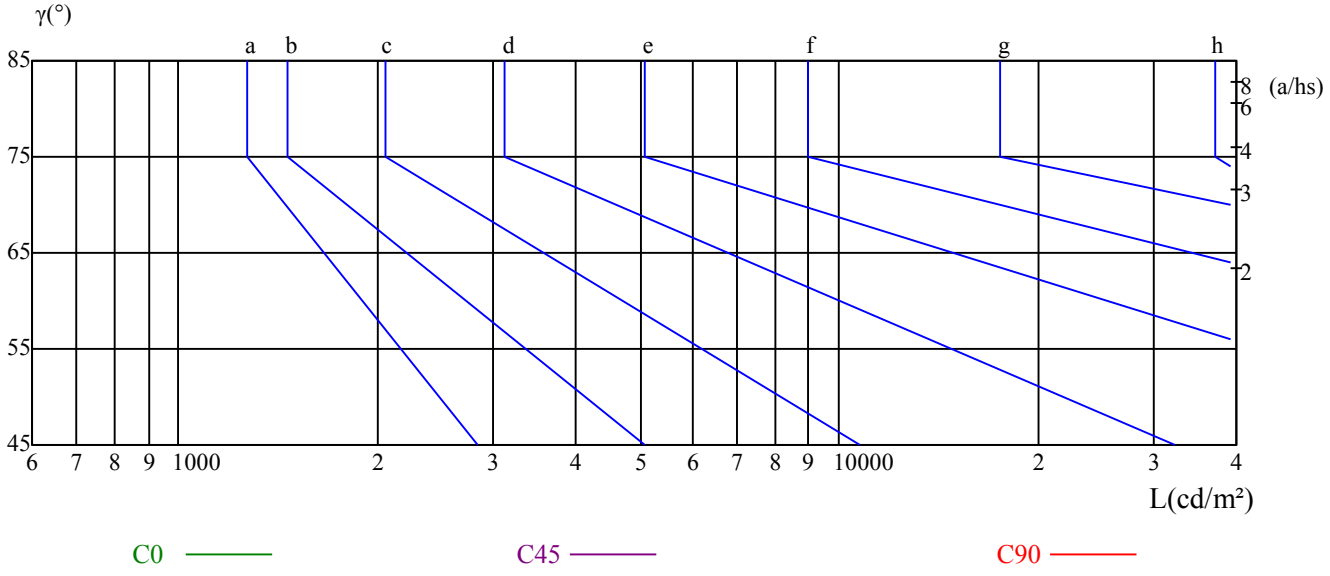
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

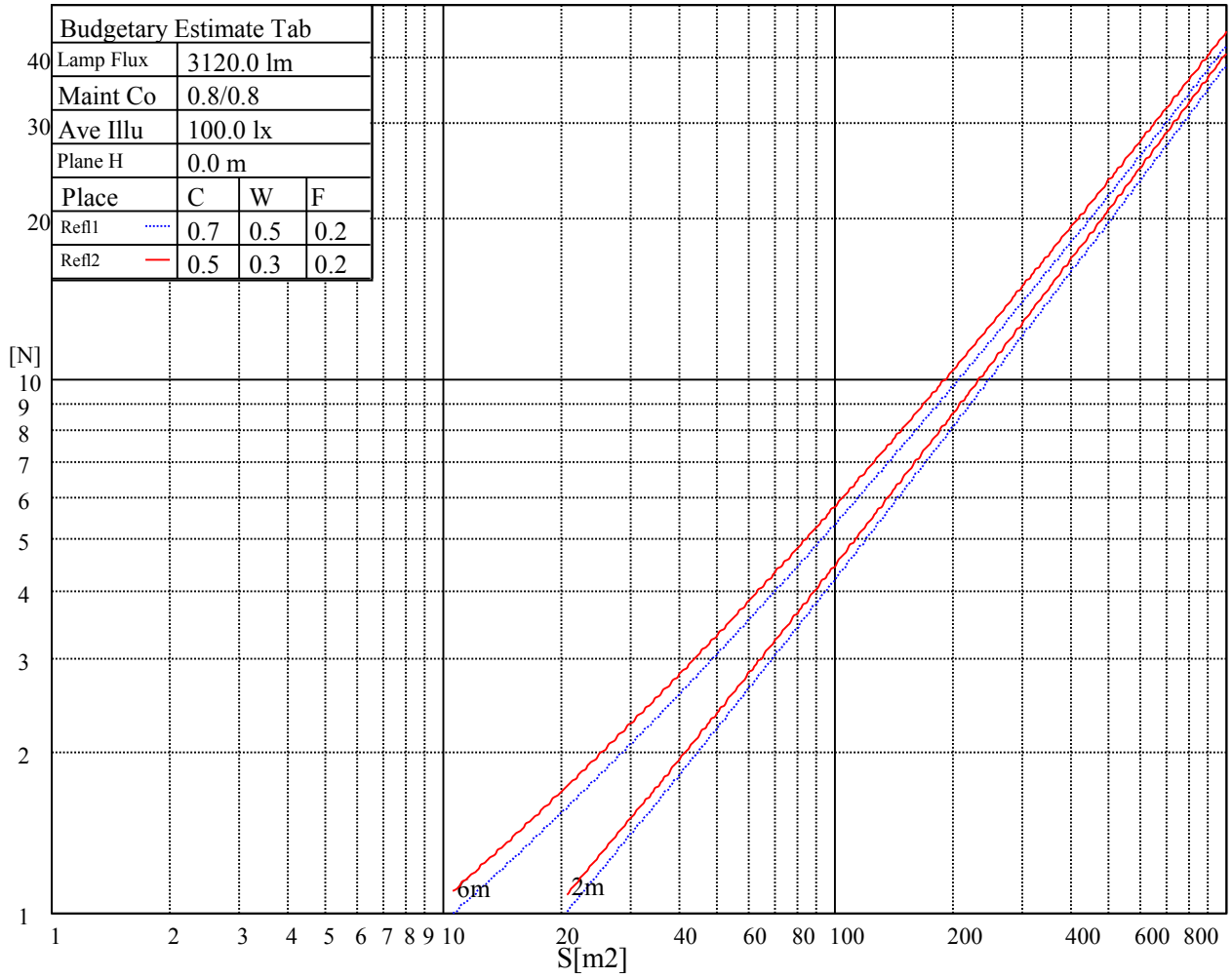
Luminance Limitting Curve



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

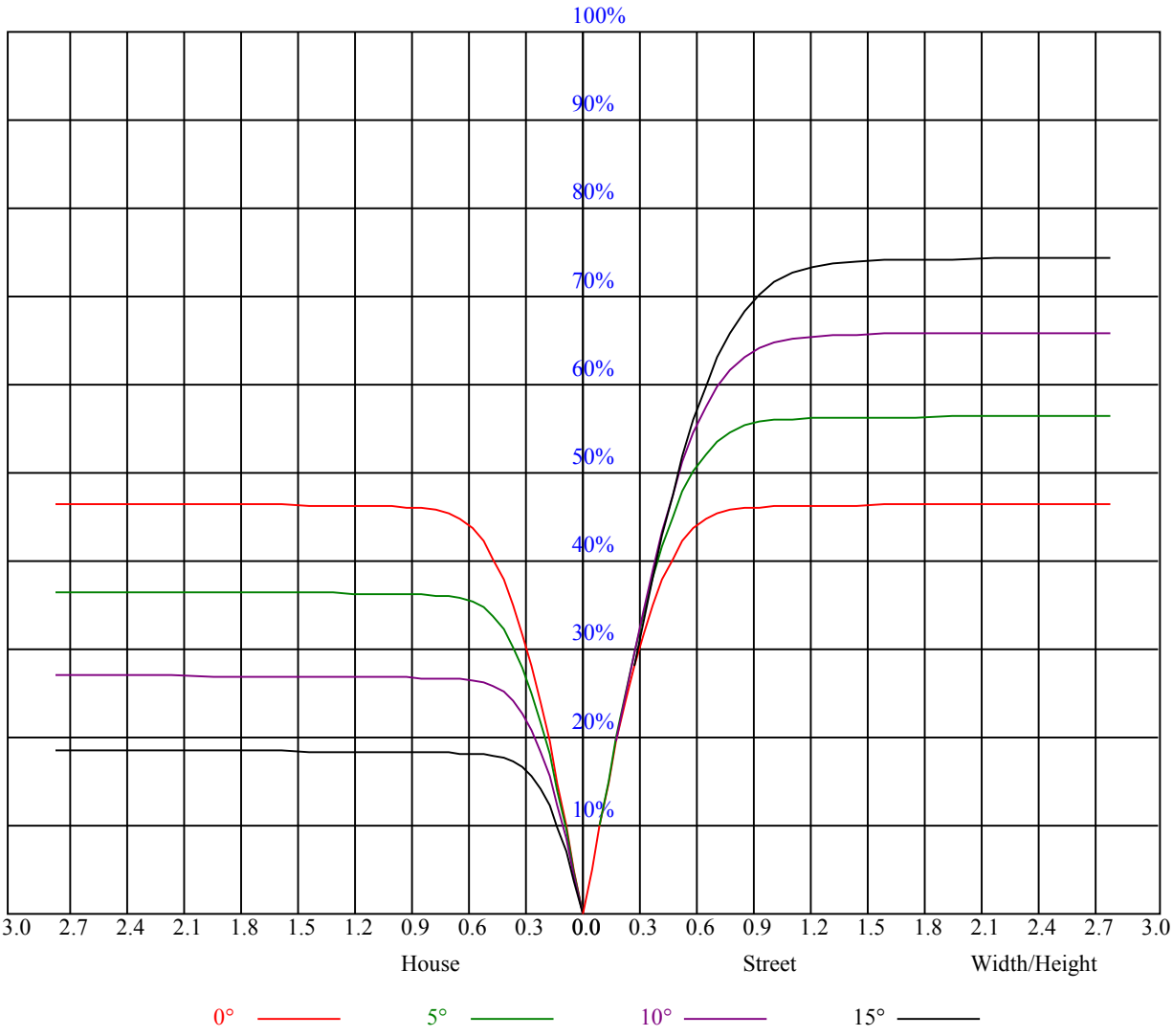


Equipment: GMS 1800 Date: 2024/8/9 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

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	1.04	1.02	1.00	1.02	1.00	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	0.92	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	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	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.73
5	0.81	0.76	0.73	0.81	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.68	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.66
7	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53

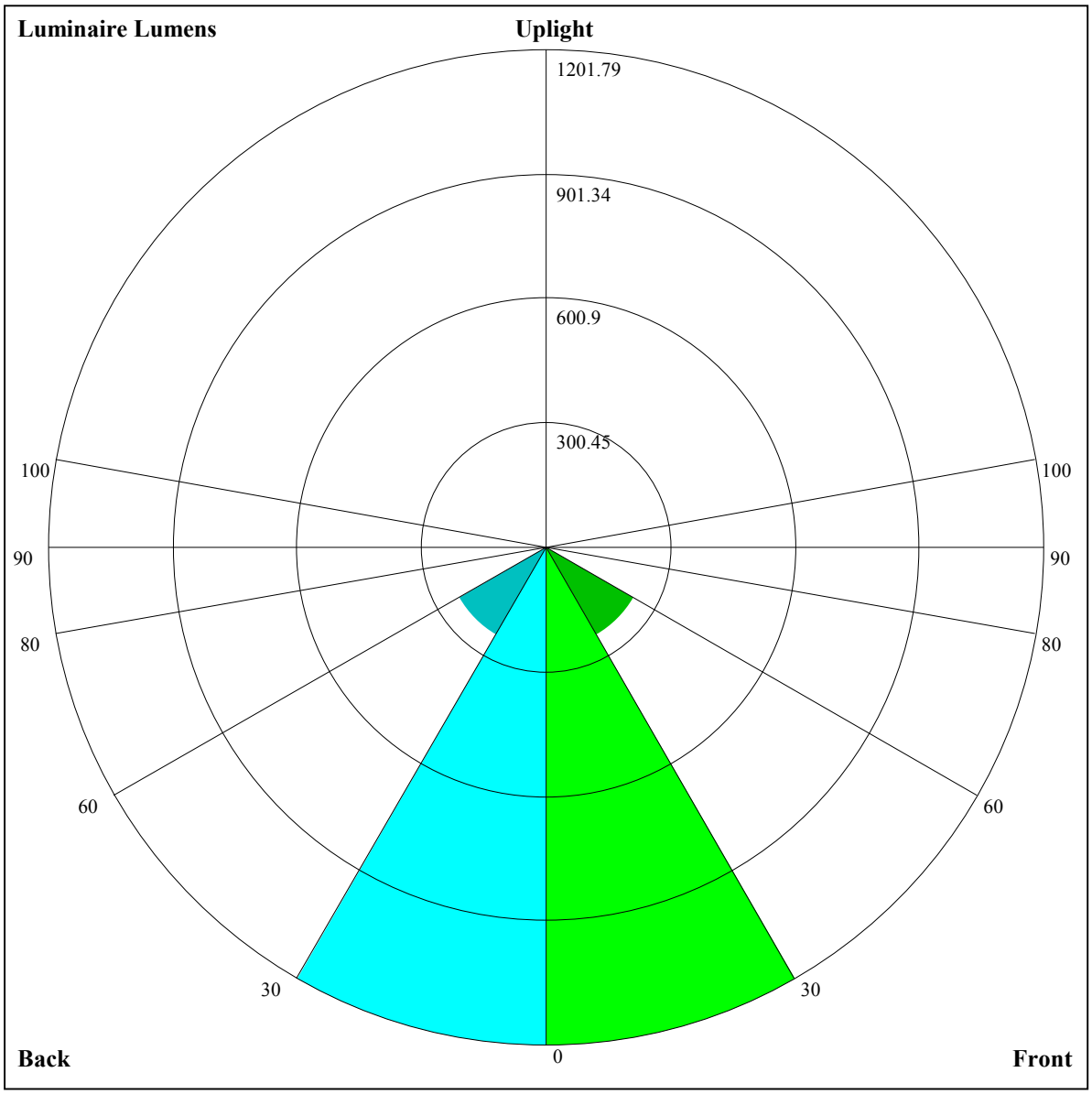
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/9
Humidity(%): 60%

Operator: NT0



Luminaire Lumens:
FL=1201.79,FM=244.58,FH=6.76,FVH=0.91
BL=1201.79,BM=244.58,BH=6.76,BVH=0.91
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	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
45.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
90.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
135.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
180.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
225.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
270.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
315.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19
360.0	4219.95	4222.05	4228.19	4226.16	4223.17	4218.22	4205.76	4182.00	4147.19

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
45.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
90.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
135.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
180.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
225.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
270.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
315.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77
360.0	4104.14	4055.60	4002.67	3932.82	3855.01	3770.96	3674.99	3556.46	3426.77

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
45.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
90.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
135.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
180.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
225.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
270.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
315.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73
360.0	3303.16	3138.65	2991.42	2830.13	2665.27	2507.46	2348.53	2206.32	2069.73

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
45.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
90.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
135.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
180.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
225.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
270.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
315.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76
360.0	1910.74	1774.64	1613.28	1398.43	1214.12	1124.32	967.94	798.41	663.76

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
45.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
90.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
135.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
180.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
225.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
270.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
315.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50
360.0	520.85	387.16	280.27	224.11	172.15	99.77	78.72	66.58	55.50

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	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
45.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
90.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
135.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
180.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
225.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
270.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
315.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61
360.0	48.00	41.40	36.22	31.39	27.58	24.77	22.20	20.29	18.61

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
45.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
90.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
135.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
180.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
225.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
270.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
315.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09
360.0	17.25	15.88	14.86	13.88	12.88	12.16	11.37	10.74	10.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
45.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
90.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
135.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
180.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
225.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
270.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
315.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06
360.0	9.48	8.98	8.48	8.05	7.60	7.19	6.81	6.43	6.06

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
45.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
90.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
135.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
180.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
225.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
270.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
315.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98
360.0	5.71	5.39	5.03	4.71	4.38	4.04	3.72	3.29	2.98

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
45.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
90.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
135.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
180.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
225.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
270.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
315.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80
360.0	2.65	2.33	2.06	1.79	1.55	1.33	1.16	0.98	0.80

Intensity data(cd)

C/γ(°)	90.0
0.0	0.70
45.0	0.70
90.0	0.70
135.0	0.70
180.0	0.70
225.0	0.70
270.0	0.70
315.0	0.70
360.0	0.70