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Nata

Client:
LumCAT: 2-2748-L
Luminaire: 92.70.411.00
Report No: 2024902-B010
Ballast type: AC

Test No: 2024902-C010	Voltage(V): 36.640
LampCAT: LUMILEDS LUXEON CoB 1208	Current(A): 0.897
Lamp flux(lm): 4053.0	Power (W): 32.850
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3789.21, Efficiency(%): 93.49% , Luminous Efficacy(lm/W): 115.35
Central intensity(cd): 17729.490, Maximum intensity(cd): 17729.490
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.8
[C90/270]Total=18.8
Field angle(10%Imax): [C0/180]Total=51.2
[C90/270]Total=51.2
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.49%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.184%

Equipment: GMS 1800	Date: 2024/9/2	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	17729.488	0.000	0	0.00%	0.00%
1.0	17630.594	16.919	16.919	0.42%	0.45%
2.0	17283.760	50.112	67.032	1.24%	1.77%
3.0	16711.273	81.305	148.336	2.01%	3.91%
4.0	15791.956	108.799	257.135	2.68%	6.79%
5.0	14387.283	129.830	386.965	3.20%	10.21%
6.0	13432.091	146.198	533.163	3.61%	14.07%
7.0	11825.551	156.774	689.937	3.87%	18.21%
8.0	10554.839	160.172	850.109	3.95%	22.44%
9.0	9386.539	161.614	1011.723	3.99%	26.70%
10.0	8110.775	158.344	1170.067	3.91%	30.88%
11.0	7263.743	153.623	1323.69	3.79%	34.93%
12.0	6356.409	148.888	1472.578	3.67%	38.86%
13.0	5688.439	142.942	1615.52	3.53%	42.63%
14.0	5095.895	138.039	1753.558	3.41%	46.28%
15.0	4566.374	132.648	1886.206	3.27%	49.78%
16.0	4149.560	127.713	2013.919	3.15%	53.15%
17.0	3760.722	123.184	2137.104	3.04%	56.40%
18.0	3433.678	118.620	2255.724	2.93%	59.53%
19.0	3126.115	114.127	2369.851	2.82%	62.54%
20.0	2910.215	110.482	2480.332	2.73%	65.46%
21.0	2683.973	107.420	2587.752	2.65%	68.29%
22.0	2442.750	103.024	2690.776	2.54%	71.01%
23.0	2225.496	97.952	2788.728	2.42%	73.60%
24.0	2042.014	93.303	2882.031	2.30%	76.06%
25.0	1853.485	88.575	2970.606	2.19%	78.40%
26.0	1725.128	84.474	3055.08	2.08%	80.63%
27.0	1539.483	79.869	3134.949	1.97%	82.73%
28.0	1409.056	74.651	3209.6	1.84%	84.70%
29.0	1303.057	70.957	3280.556	1.75%	86.58%
30.0	1112.308	65.214	3345.771	1.61%	88.30%
31.0	1012.065	59.118	3404.889	1.46%	89.86%
32.0	881.913	54.260	3459.149	1.34%	91.29%
33.0	745.763	47.952	3507.101	1.18%	92.56%
34.0	619.351	41.312	3548.414	1.02%	93.65%
35.0	501.860	34.821	3583.234	0.86%	94.56%
36.0	391.413	28.442	3611.676	0.70%	95.31%
37.0	316.577	23.091	3634.767	0.57%	95.92%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	237.438	18.492	3653.259	0.46%	96.41%
39.0	166.702	13.794	3667.054	0.34%	96.78%
40.0	126.886	10.239	3677.293	0.25%	97.05%
41.0	91.590	7.780	3685.073	0.19%	97.25%
42.0	77.878	6.157	3691.23	0.15%	97.41%
43.0	70.506	5.497	3696.726	0.14%	97.56%
44.0	63.870	5.072	3701.798	0.13%	97.69%
45.0	58.640	4.708	3706.506	0.12%	97.82%
46.0	54.120	4.410	3710.916	0.11%	97.93%
47.0	49.915	4.138	3715.054	0.10%	98.04%
48.0	46.360	3.892	3718.946	0.10%	98.15%
49.0	43.390	3.686	3722.631	0.09%	98.24%
50.0	40.769	3.509	3726.14	0.09%	98.34%
51.0	38.666	3.361	3729.501	0.08%	98.42%
52.0	37.201	3.256	3732.757	0.08%	98.51%
53.0	36.104	3.189	3735.945	0.08%	98.59%
54.0	35.506	3.156	3739.102	0.08%	98.68%
55.0	35.007	3.148	3742.249	0.08%	98.76%
56.0	34.954	3.161	3745.411	0.08%	98.84%
57.0	34.902	3.194	3748.605	0.08%	98.93%
58.0	34.836	3.225	3751.829	0.08%	99.01%
59.0	34.468	3.240	3755.069	0.08%	99.10%
60.0	33.653	3.218	3758.288	0.08%	99.18%
61.0	32.168	3.141	3761.429	0.08%	99.27%
62.0	30.197	3.005	3764.434	0.07%	99.35%
63.0	27.576	2.810	3767.244	0.07%	99.42%
64.0	24.415	2.551	3769.795	0.06%	99.49%
65.0	21.124	2.254	3772.049	0.06%	99.55%
66.0	17.431	1.924	3773.972	0.05%	99.60%
67.0	14.961	1.629	3775.601	0.04%	99.64%
68.0	12.569	1.395	3776.996	0.03%	99.68%
69.0	10.802	1.192	3778.188	0.03%	99.71%
70.0	9.573	1.046	3779.234	0.03%	99.74%
71.0	8.686	0.944	3780.178	0.02%	99.76%
72.0	8.049	0.870	3781.048	0.02%	99.78%
73.0	7.556	0.816	3781.864	0.02%	99.81%
74.0	7.063	0.769	3782.633	0.02%	99.83%
75.0	6.662	0.725	3783.358	0.02%	99.85%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.229	0.684	3784.042	0.02%	99.86%
77.0	5.867	0.645	3784.687	0.02%	99.88%
78.0	5.453	0.606	3785.293	0.01%	99.90%
79.0	5.039	0.564	3785.857	0.01%	99.91%
80.0	4.593	0.519	3786.376	0.01%	99.93%
81.0	4.133	0.472	3786.848	0.01%	99.94%
82.0	3.712	0.425	3787.273	0.01%	99.95%
83.0	3.265	0.379	3787.653	0.01%	99.96%
84.0	2.825	0.332	3787.984	0.01%	99.97%
85.0	2.438	0.287	3788.272	0.01%	99.98%
86.0	2.083	0.247	3788.519	0.01%	99.98%
87.0	1.794	0.212	3788.731	0.01%	99.99%
88.0	1.537	0.182	3788.913	0.00%	99.99%
89.0	1.321	0.157	3789.07	0.00%	100.00%
90.0	1.176	0.137	3789.207	0.00%	100.00%

Zonal flux distribution table

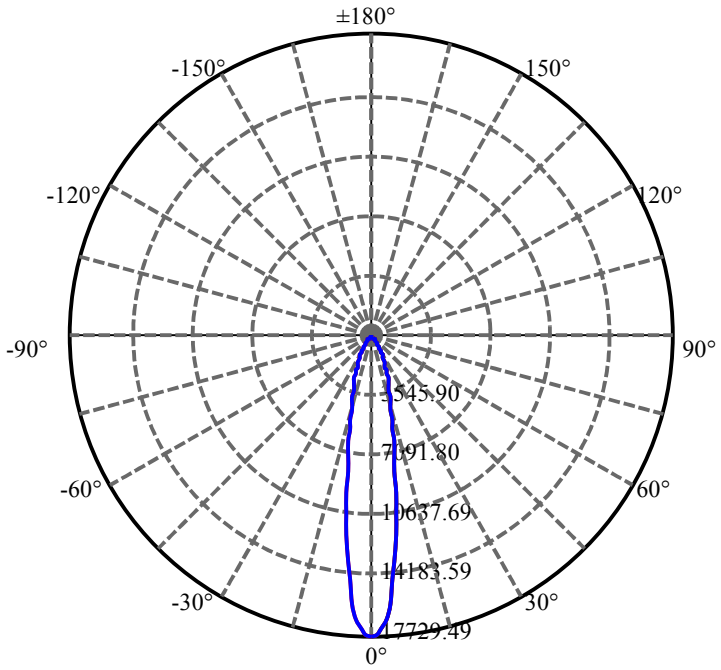
ZONAL LUMEN SUMMARY

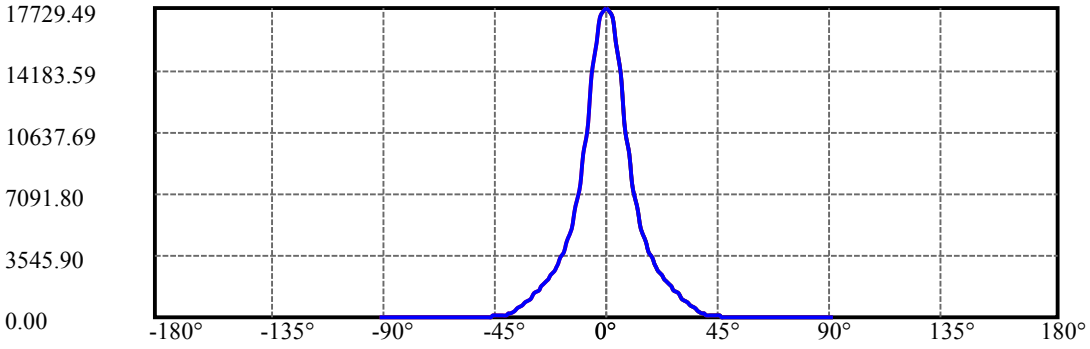
Zone	Lumens	%Lamp	%Fixt
0-30	3345.77	82.55%	88.30%
0-40	3677.29	90.73%	97.05%
0-60	3758.29	92.73%	99.18%
0-90	3789.07	93.49%	100.00%
0-120	3789.07	93.49%	100.00%
0-180	3789.21	93.49%	100.00%
60-90	30.78	0.76%	0.81%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.72	3031.37	74.79%	80.00%

ZONAL LUMEN SUMMARY

0-10	1170.07
10-20	1310.27
20-30	865.44
30-40	331.52
40-50	48.85
50-60	32.15
60-70	20.95
70-80	7.14
80-90	2.69
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):

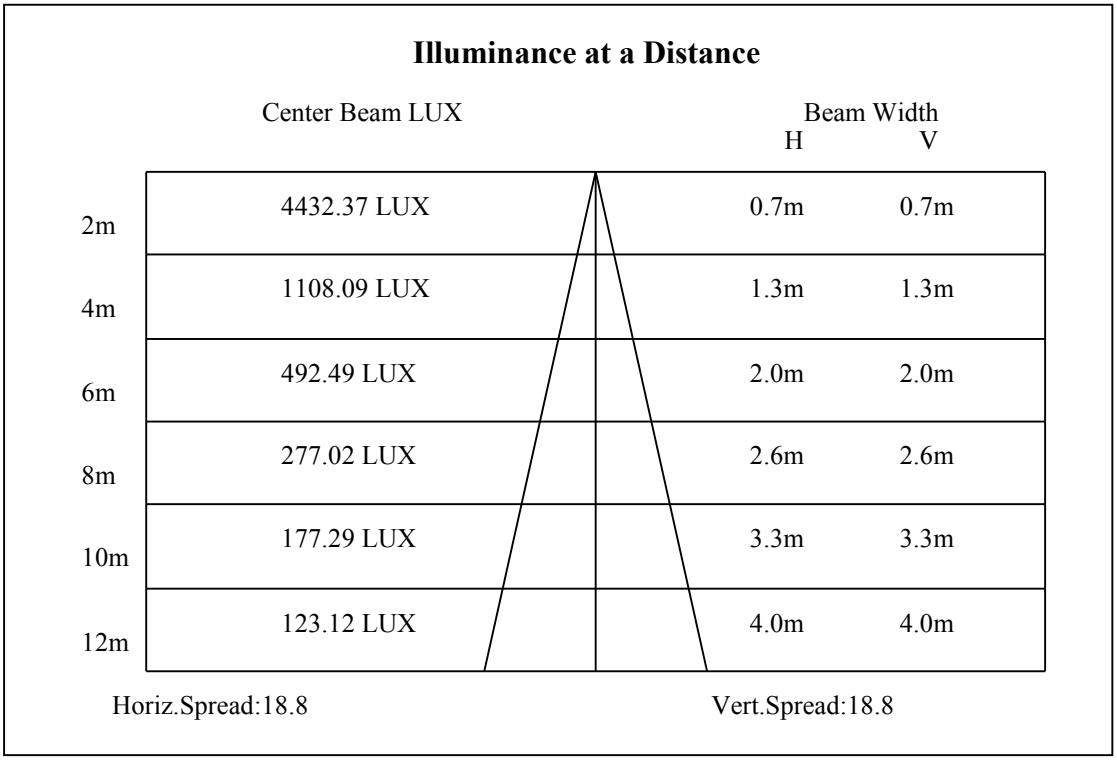
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.6 Right:25.6
:C90/270Left:25.6 Right:25.6

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4

Lux distance Curve

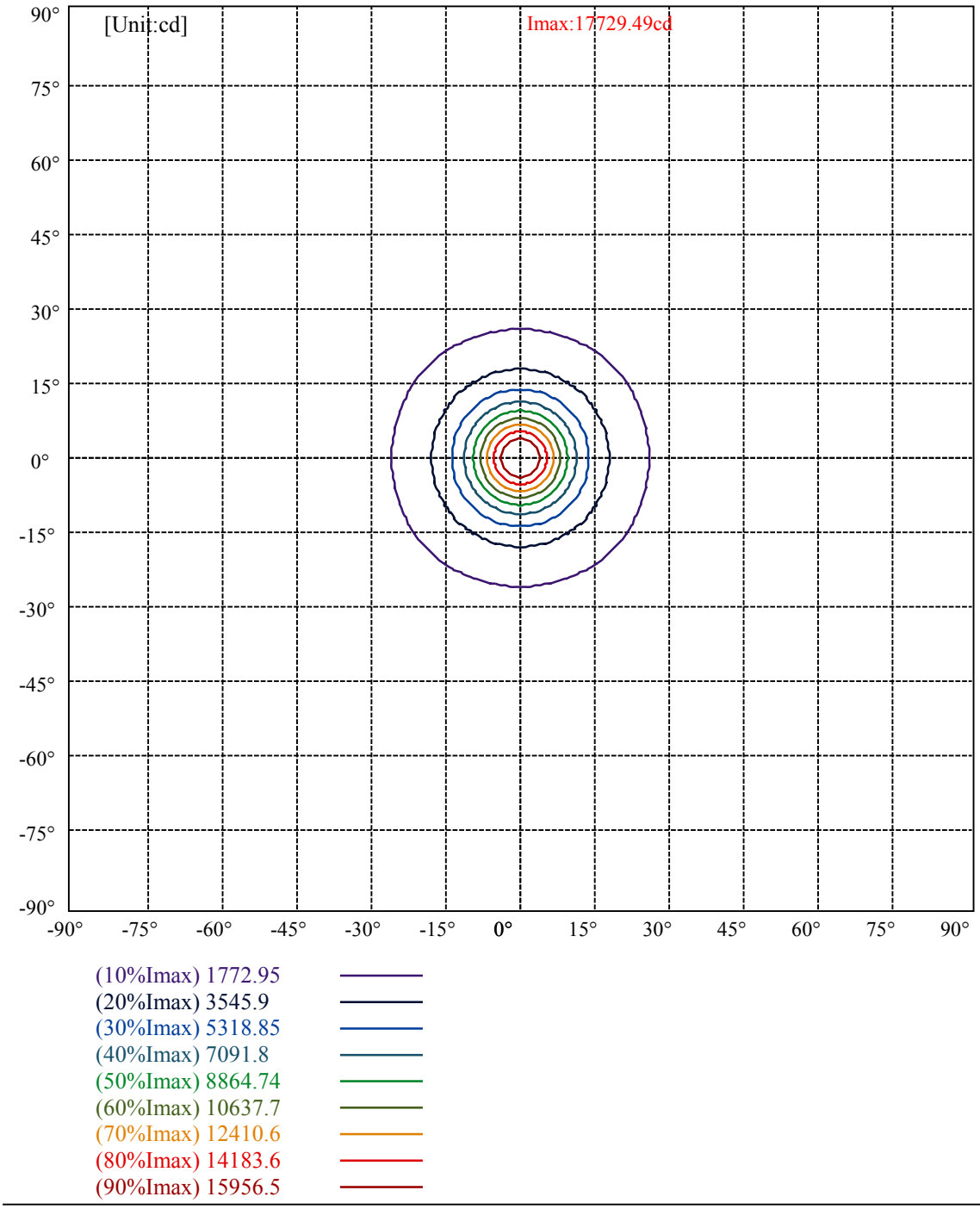


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



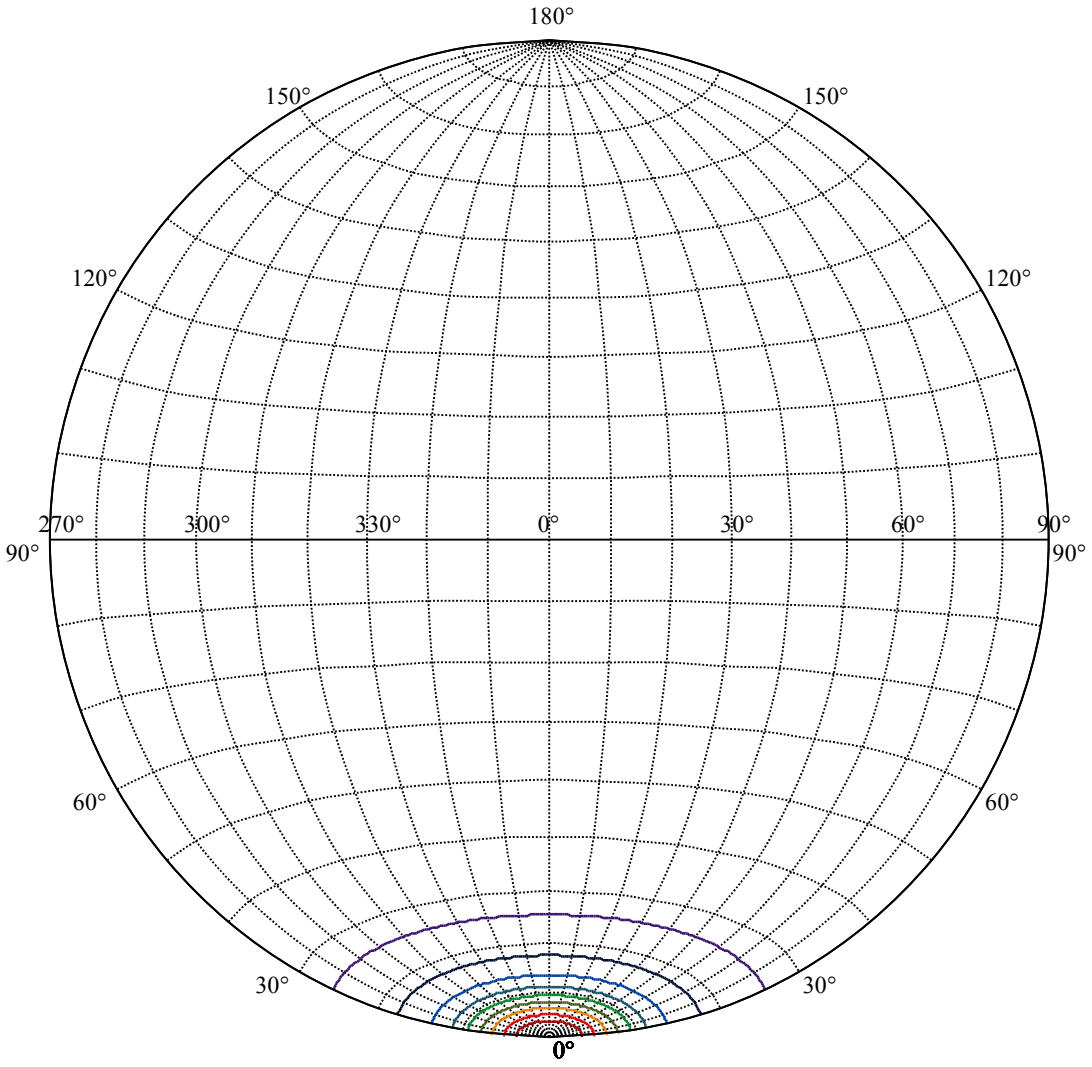
(10%Imax) 1772.95
(20%Imax) 3545.9
(30%Imax) 5318.85
(40%Imax) 7091.8
(50%Imax) 8864.74
(60%Imax) 10637.7
(70%Imax) 12410.6
(80%Imax) 14183.6
(90%Imax) 15956.5

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:17729.49

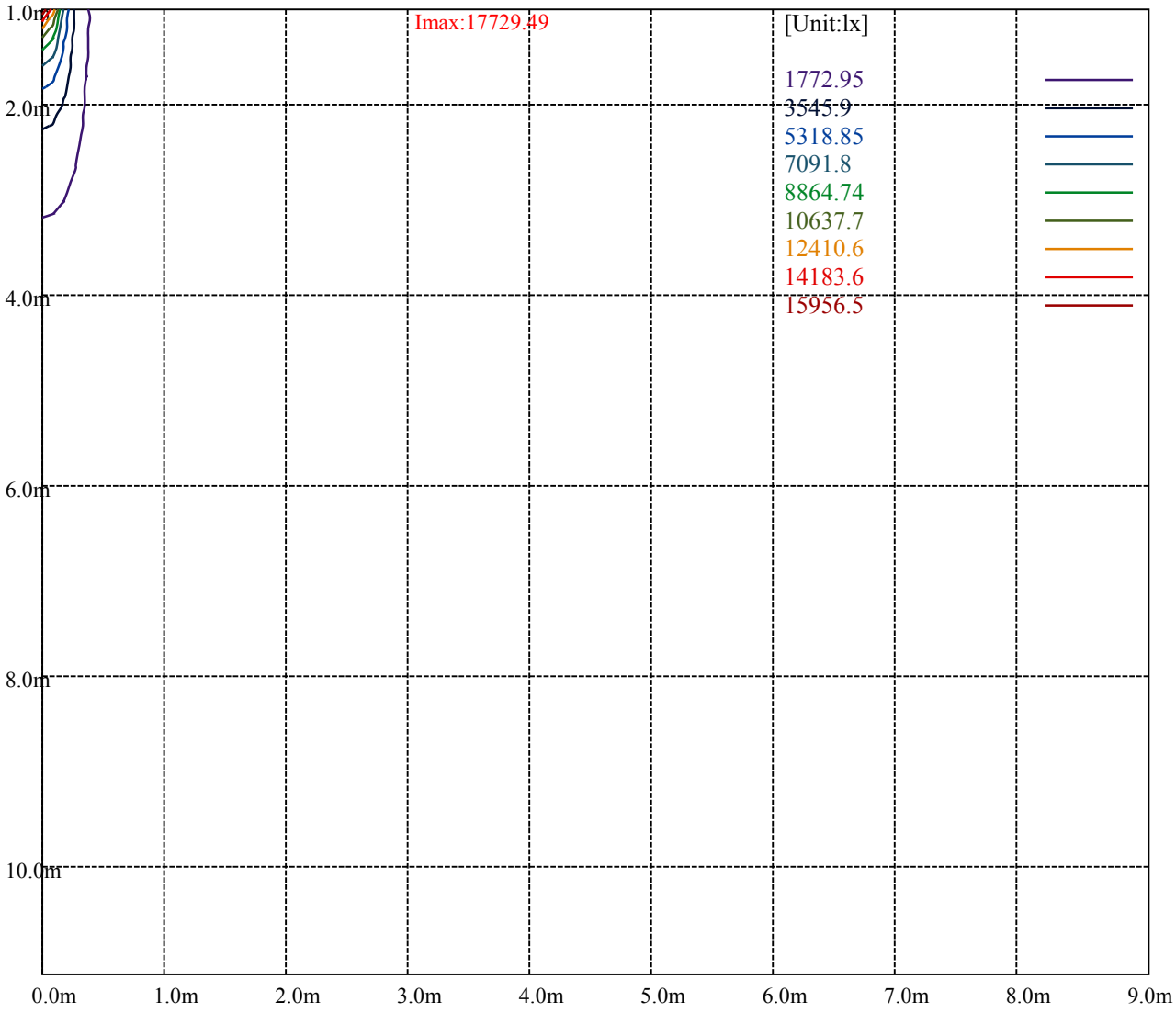
(10%Imax) 1772.95
(20%Imax) 3545.9
(30%Imax) 5318.85
(40%Imax) 7091.8
(50%Imax) 8864.74
(60%Imax) 10637.7
(70%Imax) 12410.6
(80%Imax) 14183.6
(90%Imax) 15956.5

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2748-L

Luminance Limitting Curve(no luminous side)

Luminance Table

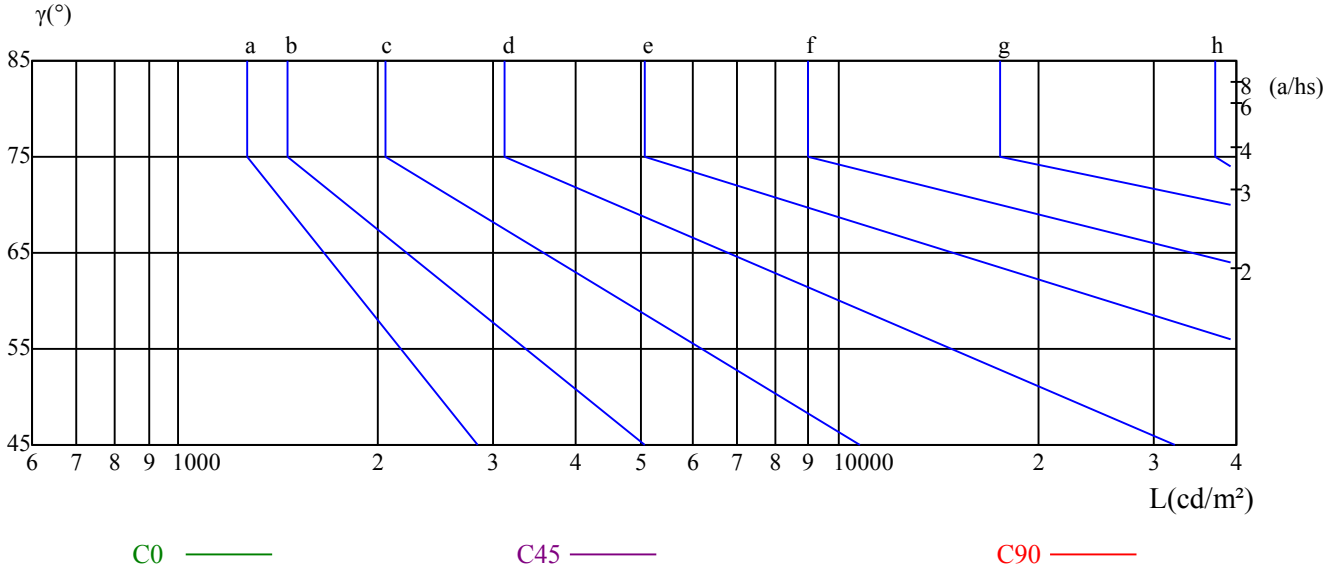
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: 2024/9/2
Humidity(%): 60.0%

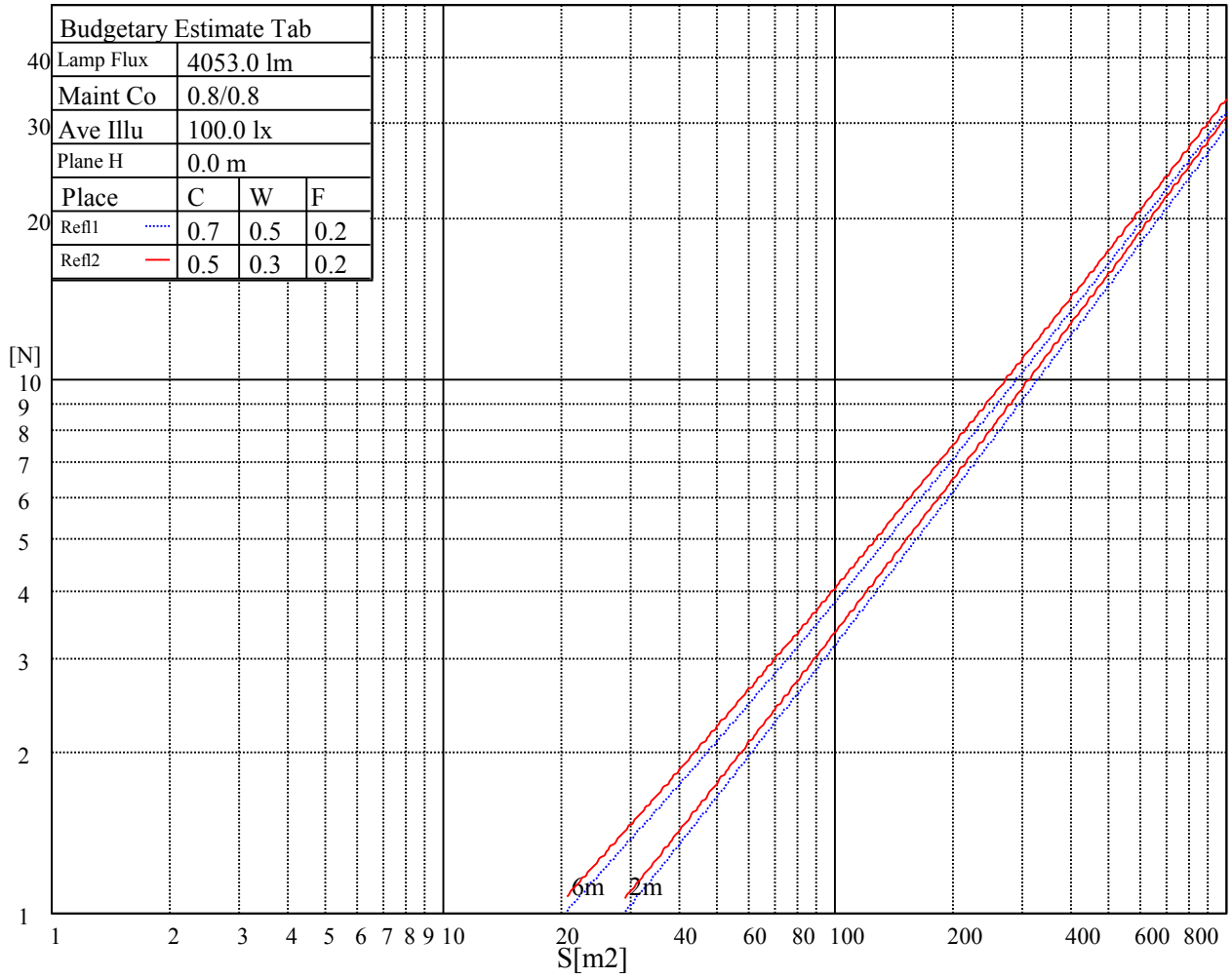
Operator: NT
Distance(m): 7.25

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

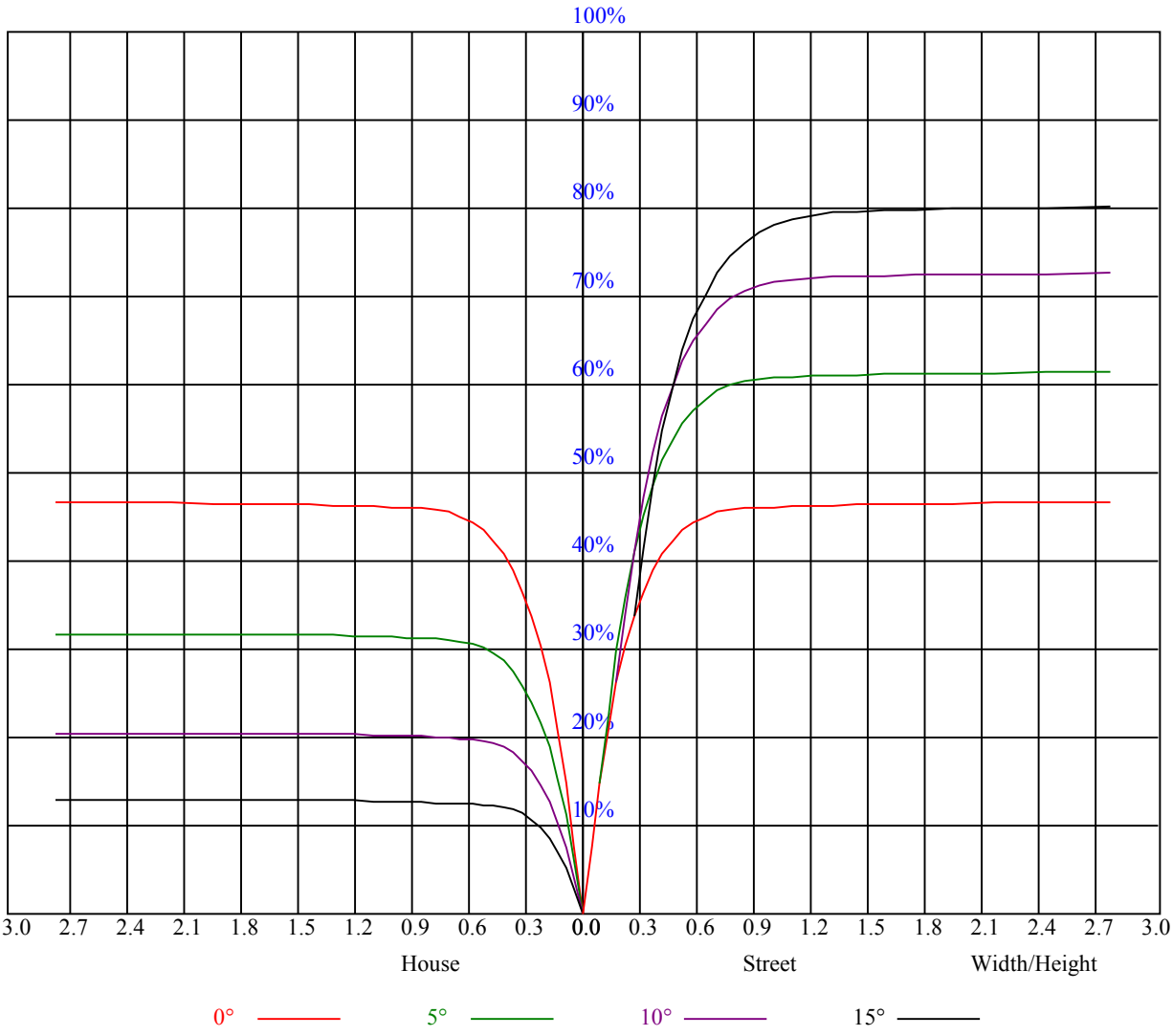
Date: 2024/9/2
Humidity(%): 60.0%

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
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	0.89
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	0.85
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	0.80	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.76	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63

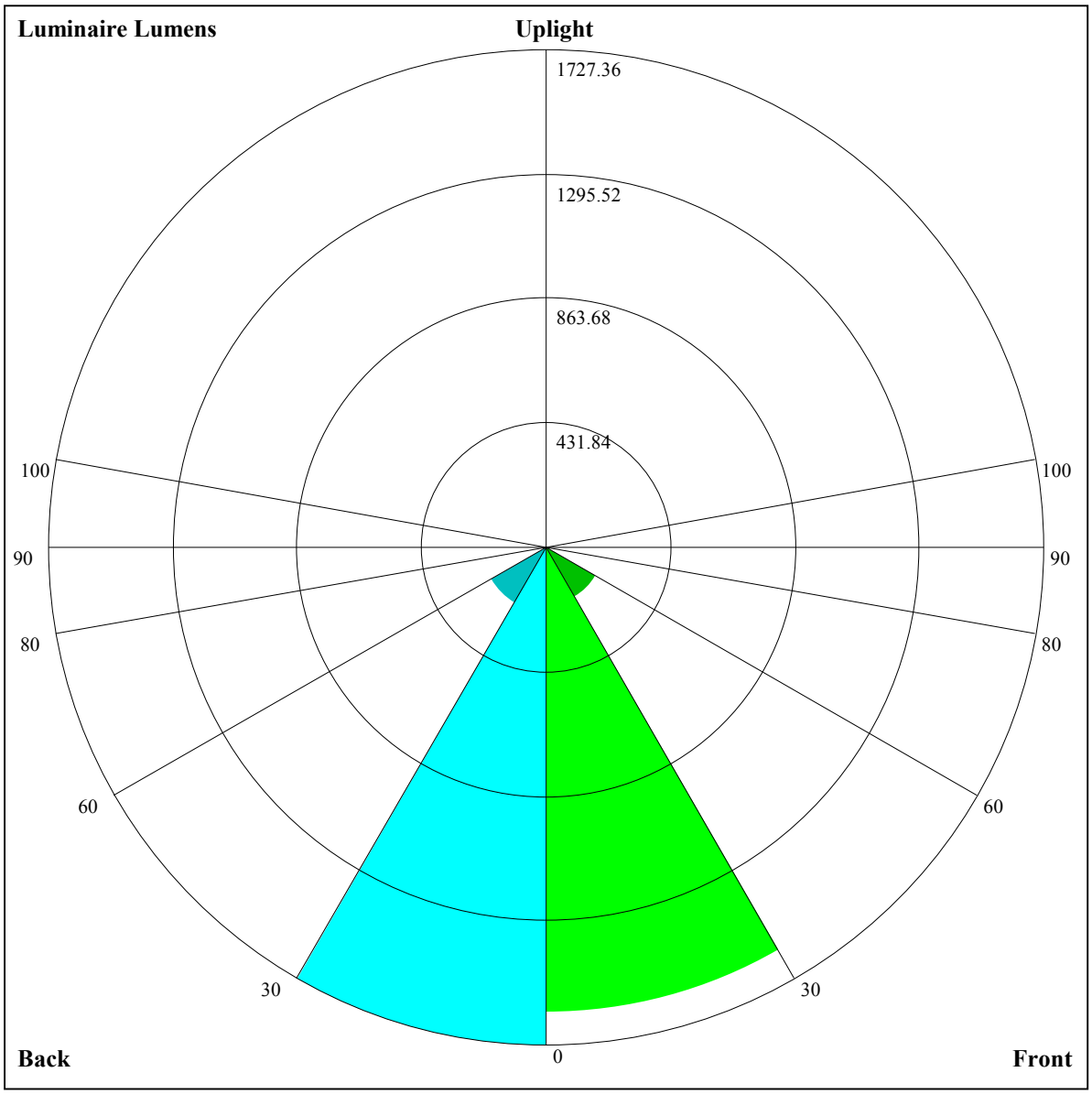
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1617.03,FM=199.02,FH=13.54,FVH=1.38
BL=1727.36,BM=221.87,BH=14.61,BVH=1.46
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	17682.13	17314.40	16712.67	15837.92	14679.02	11050.53	10433.71	10433.71	8747.19
45.0	17826.99	17648.70	17152.83	16400.66	15364.33	14038.29	12533.95	10979.47	9480.70
90.0	17509.41	16918.82	16016.21	14874.03	12806.96	10602.54	10297.20	9148.92	7875.23
135.0	17899.42	17670.99	17236.40	16556.66	15570.48	14595.45	13152.40	11575.63	10049.00
180.0	17682.13	17826.99	17760.13	17487.12	16963.39	16183.36	15581.63	13770.85	12216.37
225.0	17826.99	17921.71	17709.99	17409.12	16818.53	15999.50	14874.03	12851.53	10978.10
270.0	17509.41	17854.85	18005.28	17910.57	17592.98	17058.11	16261.37	15230.62	14478.45
315.0	17899.42	17888.28	17676.56	17214.11	16539.95	15570.48	14322.44	10613.68	10613.68
360.0	17682.13	17314.40	16712.67	15837.92	14679.02	11050.53	10433.71	10433.71	8747.19

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7792.23	6826.66	6047.16	5411.47	4894.41	4424.71	4005.16	3635.22	3310.39
45.0	8143.51	7118.33	6271.44	5591.70	5040.11	4538.67	4115.22	3736.35	3396.48
90.0	6716.91	6074.49	5421.51	4885.47	4411.36	3993.49	3623.50	3298.14	3003.95
135.0	8633.81	7469.34	6550.02	5803.43	5201.69	4689.10	4243.37	3836.64	3485.63
180.0	11258.05	9157.54	8377.52	7285.48	6421.88	5714.28	5118.12	4622.24	4176.51
225.0	10389.14	8977.83	7770.47	6807.16	6028.24	5398.06	4859.30	4382.40	3963.37
270.0	12433.66	10890.32	9993.29	8633.81	7513.91	6616.88	5887.00	5285.26	4755.96
315.0	9725.01	8371.68	7678.54	6432.76	5995.91	5391.97	4679.32	4400.22	3993.49
360.0	7792.23	6826.66	6047.16	5411.47	4894.41	4424.71	4005.16	3635.22	3310.39

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3016.77	2768.83	2539.29	2326.99	2132.57	1948.70	1779.87	1641.68	1507.97
45.0	3090.04	2922.90	2817.03	2761.32	2264.02	2075.17	1895.19	1723.58	1590.44
90.0	2747.13	2517.53	2310.28	2118.06	1938.66	1780.98	1641.68	1513.01	1432.22
135.0	3179.19	2895.04	2844.89	2608.94	2310.28	2116.95	1938.66	1782.08	1651.72
180.0	3775.35	3435.49	3129.05	2856.04	2856.04	2374.35	2179.35	1993.80	1894.67
225.0	3742.77	3275.27	3096.98	2827.34	2577.72	2364.31	2171.57	1990.49	1832.22
270.0	4293.52	3897.93	3535.77	3218.19	2939.61	2822.61	2597.80	2232.86	2118.06
315.0	3624.66	3295.93	3008.41	2754.91	2523.11	2320.90	2131.99	1950.38	1773.72
360.0	3016.77	2768.83	2539.29	2326.99	2132.57	1948.70	1779.87	1641.68	1507.97

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1365.36	1073.59	1073.59	983.50	839.58	704.07	575.66	458.19	347.91
45.0	1472.33	1331.36	1184.29	1033.85	890.62	755.27	627.65	530.72	395.90
90.0	1025.65	1025.65	997.74	852.30	715.27	585.39	464.02	352.43	254.56
135.0	1531.93	1400.42	1252.77	1104.60	956.95	814.30	677.27	547.44	427.07
180.0	1741.45	1617.72	1499.08	1356.43	1208.20	1062.81	919.63	779.76	646.05
225.0	1681.79	1543.66	1408.25	1056.35	1056.35	939.98	799.69	665.65	590.22
270.0	1865.13	1772.62	1631.12	1447.78	1365.89	1218.24	1069.49	924.05	784.23
315.0	1632.22	1507.44	1377.61	1063.65	1063.65	975.24	832.70	696.56	568.94
360.0	1365.36	1073.59	1073.59	983.50	839.58	704.07	575.66	458.19	347.91

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	252.98	175.87	119.90	92.25	82.63	74.64	68.44	62.60	57.24
45.0	294.46	294.46	198.11	100.50	82.05	73.11	66.70	60.92	55.45
90.0	175.35	119.32	93.09	82.37	73.85	67.44	61.50	57.08	51.56
135.0	319.00	319.00	279.42	108.86	90.25	81.21	74.32	68.70	62.76
180.0	519.00	402.00	298.92	298.92	136.98	102.13	83.89	77.11	70.33
225.0	468.91	354.80	254.61	177.92	132.14	107.23	95.51	85.57	77.58
270.0	651.62	529.62	414.82	310.64	310.64	147.91	102.34	88.41	77.27
315.0	449.99	337.56	240.63	162.16	106.54	79.05	70.33	63.65	58.76
360.0	252.98	175.87	119.90	92.25	82.63	74.64	68.44	62.60	57.24

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	53.56	49.67	45.57	43.05	40.47	38.48	37.06	36.22	35.69
45.0	50.78	46.78	43.63	40.84	38.16	36.27	35.48	34.43	33.69
90.0	47.83	45.10	42.05	39.32	37.37	36.11	35.37	34.53	34.22
135.0	57.56	53.30	49.46	46.04	42.89	40.21	38.27	37.11	36.06
180.0	63.55	59.29	54.45	50.30	46.99	43.78	40.68	38.48	36.85
225.0	70.22	63.71	58.40	53.72	49.41	45.73	42.89	40.89	39.21
270.0	71.70	65.76	59.76	54.72	50.62	46.94	43.89	40.95	39.00
315.0	53.93	49.36	45.99	42.89	41.21	38.63	35.69	35.01	34.11
360.0	53.56	49.67	45.57	43.05	40.47	38.48	37.06	36.22	35.69

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.53	35.80	36.16	36.06	35.80	34.69	33.11	31.06	27.86
45.0	33.48	33.38	33.75	33.80	33.75	33.17	31.85	29.91	27.81
90.0	34.27	34.01	34.01	33.53	32.43	30.49	28.33	25.07	21.34
135.0	35.16	35.01	35.22	34.90	34.90	34.90	33.80	31.75	30.07
180.0	35.80	34.85	34.22	34.43	34.69	34.59	34.69	34.06	32.69
225.0	38.32	36.79	36.74	36.64	36.43	36.32	36.06	34.69	33.17
270.0	37.74	36.69	35.85	35.64	35.74	36.32	36.22	36.48	36.11
315.0	33.75	33.53	33.69	34.22	34.95	35.27	35.16	34.32	32.54
360.0	35.53	35.80	36.16	36.06	35.80	34.69	33.11	31.06	27.86

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.07	20.29	16.08	13.09	12.09	10.04	9.41	8.73	7.83
45.0	24.39	20.76	17.50	13.82	11.67	10.25	9.15	8.41	7.83
90.0	17.98	14.35	12.04	10.46	9.72	8.88	7.94	7.62	7.10
135.0	26.65	22.81	19.55	15.45	12.88	11.20	9.78	8.99	8.41
180.0	31.06	28.54	26.39	20.92	18.55	14.93	12.46	10.72	9.51
225.0	31.27	28.07	24.49	20.76	16.61	13.88	11.93	10.41	9.51
270.0	34.59	33.38	29.59	25.49	22.86	18.98	15.14	12.40	10.72
315.0	30.59	27.12	23.34	19.45	15.30	12.40	10.62	9.30	8.57
360.0	24.07	20.29	16.08	13.09	12.09	10.04	9.41	8.73	7.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.52	7.10	6.73	6.36	5.99	5.62	5.15	4.73	4.21
45.0	7.41	7.04	6.57	6.25	5.99	5.68	5.20	4.78	4.31
90.0	6.78	6.41	5.99	5.73	5.31	4.89	4.36	3.94	3.47
135.0	7.78	7.36	6.94	6.57	6.10	5.78	5.41	4.94	4.52
180.0	8.78	8.20	7.67	7.15	6.68	6.36	5.99	5.62	5.20
225.0	8.78	8.20	7.62	7.15	6.68	6.25	5.89	5.41	4.99
270.0	9.51	8.73	8.09	7.52	6.99	6.57	6.20	5.78	5.41
315.0	7.83	7.41	6.89	6.57	6.10	5.78	5.41	5.10	4.63
360.0	7.52	7.10	6.73	6.36	5.99	5.62	5.15	4.73	4.21

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.84	3.36	2.89	2.47	2.21	1.89	1.68	1.58	1.42
45.0	3.84	3.42	3.00	2.47	2.21	1.89	1.58	1.31	1.16
90.0	3.05	2.73	2.31	2.05	1.73	1.42	1.31	1.10	1.00
135.0	3.94	3.42	3.10	2.63	2.16	1.84	1.52	1.26	1.05
180.0	4.78	4.31	3.73	3.26	2.84	2.37	2.05	1.73	1.42
225.0	4.47	3.99	3.68	3.10	2.68	2.26	2.00	1.68	1.37
270.0	4.94	4.63	4.05	3.63	3.15	2.73	2.31	2.05	1.73
315.0	4.21	3.84	3.36	3.00	2.52	2.26	1.89	1.58	1.42
360.0	3.84	3.36	2.89	2.47	2.21	1.89	1.68	1.58	1.42

Intensity data(cd)

C/γ(°)	90.0
0.0	1.31
45.0	1.05
90.0	1.00
135.0	1.05
180.0	1.10
225.0	1.21
270.0	1.37
315.0	1.31
360.0	1.31