NATA LIGHTING CO .LED
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Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: N071
LumCAT: 1-1584-L
Luminaire: 92.70.410.00 LED HOLDER
Report No: 20250321-B001
Ballast type: AC

Test No: 20250211-C002	Voltage(V): 35.330
LampCAT: LUMILEDS LUXEON COB 1203	Current(A): 0.300
Lamp flux(lm): 1175.4	Power (W): 10.590
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 33

Photometric Results

Lumens(lm): 1126.49, Efficiency(%): 95.84% , Luminous Efficacy(lm/W): 106.37
Central intensity(cd): 6005.410, Maximum intensity(cd): 6428.000
Angle of maximum intensity: C=90.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=16.7
[C90/270]Total=16.3
Field angle(10%Imax): [C0/180]Total=48.7
[C90/270]Total=47.5
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.36 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.70%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.663%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6065.894	0.000	0	0.00%	0.00%
1.0	5990.489	5.769	5.769	0.49%	0.51%
2.0	5814.632	16.944	22.713	1.44%	2.02%
3.0	5515.475	27.098	49.81	2.31%	4.42%
4.0	5192.338	35.842	85.653	3.05%	7.60%
5.0	4709.064	42.595	128.248	3.62%	11.38%
6.0	4207.605	46.859	175.108	3.99%	15.54%
7.0	3766.564	49.496	224.603	4.21%	19.94%
8.0	3283.423	50.455	275.059	4.29%	24.42%
9.0	2874.889	49.910	324.968	4.25%	28.85%
10.0	2500.727	48.647	373.616	4.14%	33.17%
11.0	2185.982	46.830	420.446	3.98%	37.32%
12.0	1923.329	44.921	465.366	3.82%	41.31%
13.0	1714.233	43.169	508.535	3.67%	45.14%
14.0	1528.450	41.506	550.041	3.53%	48.83%
15.0	1344.034	39.435	589.476	3.36%	52.33%
16.0	1238.986	37.848	627.324	3.22%	55.69%
17.0	1107.619	36.543	663.867	3.11%	58.93%
18.0	1029.070	35.229	699.097	3.00%	62.06%
19.0	944.425	34.335	733.431	2.92%	65.11%
20.0	859.281	33.013	766.444	2.81%	68.04%
21.0	791.137	31.691	798.136	2.70%	70.85%
22.0	730.026	30.568	828.704	2.60%	73.57%
23.0	671.048	29.398	858.102	2.50%	76.18%
24.0	616.479	28.150	886.252	2.40%	78.67%
25.0	561.950	26.795	913.047	2.28%	81.05%
26.0	513.423	25.384	938.431	2.16%	83.31%
27.0	467.933	24.009	962.44	2.04%	85.44%
28.0	420.125	22.484	984.924	1.91%	87.43%
29.0	376.361	20.838	1005.763	1.77%	89.28%
30.0	335.827	19.229	1024.991	1.64%	90.99%
31.0	294.121	17.531	1042.522	1.49%	92.55%
32.0	254.760	15.725	1058.247	1.34%	93.94%
33.0	207.052	13.605	1071.852	1.16%	95.15%
34.0	176.716	11.614	1083.466	0.99%	96.18%
35.0	124.406	9.352	1092.818	0.80%	97.01%
36.0	84.898	6.664	1099.482	0.57%	97.60%
37.0	54.596	4.549	1104.031	0.39%	98.01%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	34.499	2.974	1107.005	0.25%	98.27%
39.0	19.591	1.846	1108.851	0.16%	98.43%
40.0	12.343	1.114	1109.965	0.09%	98.53%
41.0	9.939	0.793	1110.759	0.07%	98.60%
42.0	9.193	0.695	1111.454	0.06%	98.67%
43.0	8.593	0.659	1112.112	0.06%	98.72%
44.0	8.040	0.628	1112.74	0.05%	98.78%
45.0	7.687	0.604	1113.345	0.05%	98.83%
46.0	7.361	0.588	1113.933	0.05%	98.89%
47.0	7.048	0.573	1114.506	0.05%	98.94%
48.0	6.721	0.557	1115.063	0.05%	98.99%
49.0	6.435	0.540	1115.603	0.05%	99.03%
50.0	6.228	0.528	1116.131	0.04%	99.08%
51.0	6.002	0.517	1116.648	0.04%	99.13%
52.0	5.822	0.507	1117.156	0.04%	99.17%
53.0	5.655	0.499	1117.655	0.04%	99.22%
54.0	5.462	0.490	1118.145	0.04%	99.26%
55.0	5.349	0.483	1118.628	0.04%	99.30%
56.0	5.236	0.478	1119.106	0.04%	99.34%
57.0	5.169	0.476	1119.582	0.04%	99.39%
58.0	5.069	0.473	1120.055	0.04%	99.43%
59.0	4.903	0.466	1120.521	0.04%	99.47%
60.0	4.663	0.452	1120.973	0.04%	99.51%
61.0	4.516	0.438	1121.411	0.04%	99.55%
62.0	4.336	0.427	1121.838	0.04%	99.59%
63.0	4.117	0.411	1122.249	0.03%	99.62%
64.0	3.903	0.394	1122.643	0.03%	99.66%
65.0	3.544	0.369	1123.011	0.03%	99.69%
66.0	3.231	0.338	1123.349	0.03%	99.72%
67.0	2.918	0.309	1123.658	0.03%	99.75%
68.0	2.618	0.280	1123.939	0.02%	99.77%
69.0	2.331	0.252	1124.191	0.02%	99.80%
70.0	2.098	0.228	1124.419	0.02%	99.82%
71.0	1.885	0.206	1124.625	0.02%	99.83%
72.0	1.672	0.185	1124.81	0.02%	99.85%
73.0	1.505	0.166	1124.976	0.01%	99.87%
74.0	1.346	0.150	1125.126	0.01%	99.88%
75.0	1.226	0.136	1125.261	0.01%	99.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.132	0.125	1125.387	0.01%	99.90%
77.0	1.086	0.118	1125.505	0.01%	99.91%
78.0	1.026	0.113	1125.618	0.01%	99.92%
79.0	0.973	0.107	1125.725	0.01%	99.93%
80.0	0.919	0.102	1125.827	0.01%	99.94%
81.0	0.859	0.096	1125.923	0.01%	99.95%
82.0	0.799	0.090	1126.013	0.01%	99.96%
83.0	0.726	0.083	1126.096	0.01%	99.97%
84.0	0.686	0.077	1126.173	0.01%	99.97%
85.0	0.613	0.071	1126.244	0.01%	99.98%
86.0	0.533	0.063	1126.307	0.01%	99.98%
87.0	0.473	0.055	1126.362	0.00%	99.99%
88.0	0.413	0.049	1126.41	0.00%	99.99%
89.0	0.333	0.041	1126.451	0.00%	100.00%
90.0	0.300	0.035	1126.486	0.00%	100.00%

Zonal flux distribution table

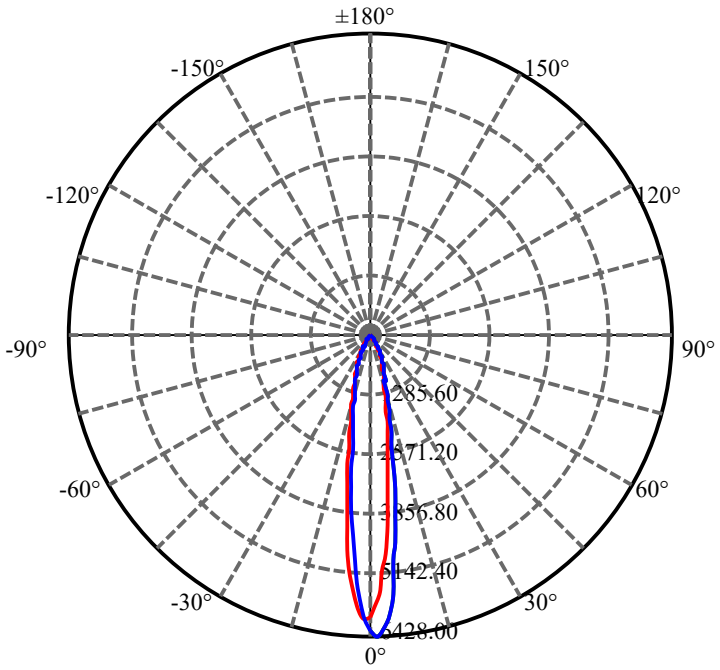
ZONAL LUMEN SUMMARY

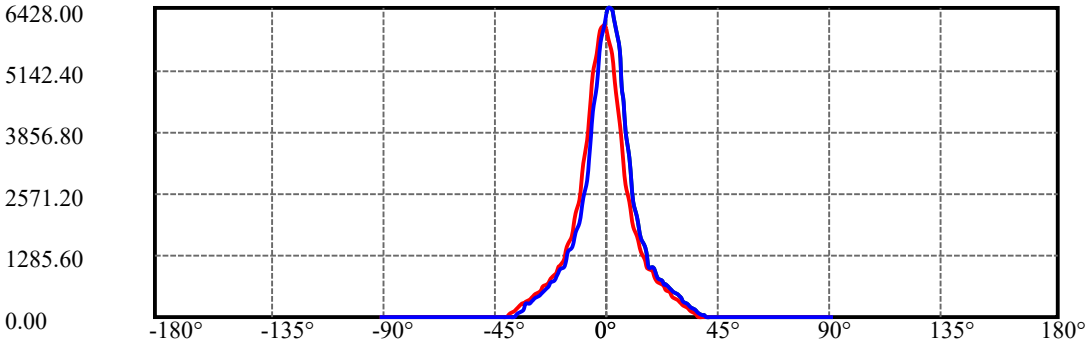
Zone	Lumens	%Lamp	%Fixt
0-30	1024.99	87.21%	90.99%
0-40	1109.97	94.44%	98.53%
0-60	1120.97	95.37%	99.51%
0-90	1126.45	95.84%	100.00%
0-120	1126.45	95.84%	100.00%
0-180	1126.49	95.84%	100.00%
60-90	5.48	0.47%	0.49%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.56	901.19	76.67%	80.00%

ZONAL LUMEN SUMMARY

0-10	373.62
10-20	392.83
20-30	258.55
30-40	84.97
40-50	6.17
50-60	4.84
60-70	3.45
70-80	1.41
80-90	0.62
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]





C90(Max):

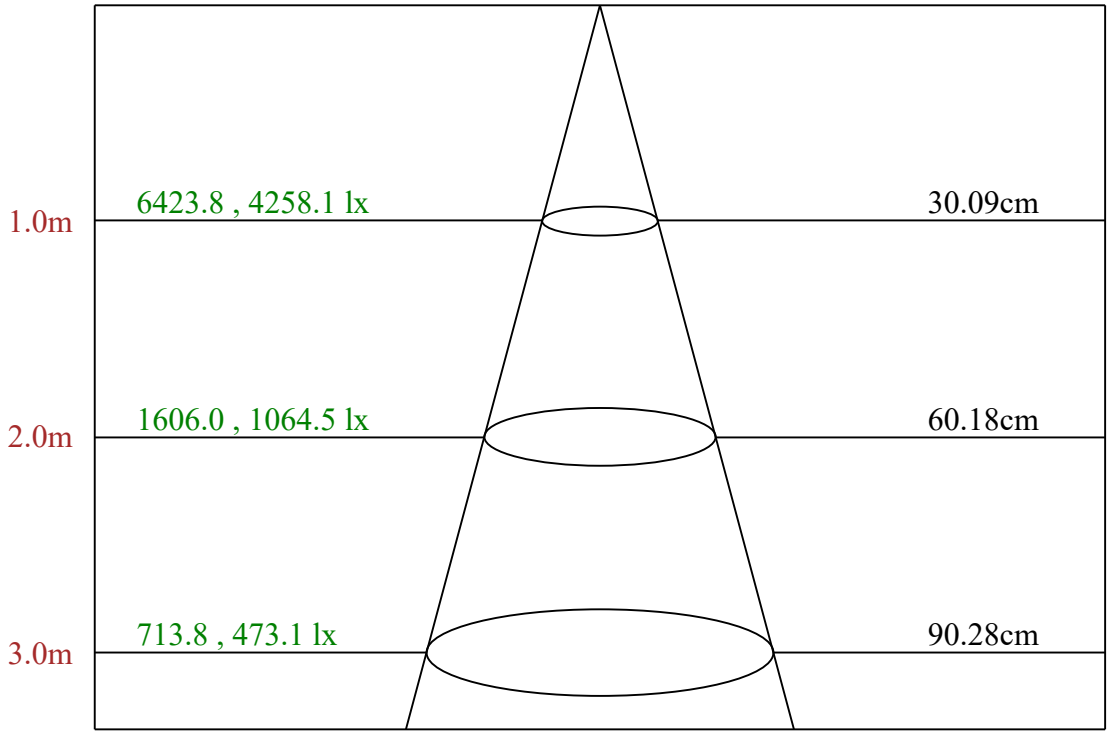
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.4 Right:24.3
:C90/270Left:24.1 Right:23.4

Beam Angle(50%Imax):C0/180Left:8.4 Right:8.3
:C90/270Left:8.1 Right:8.2

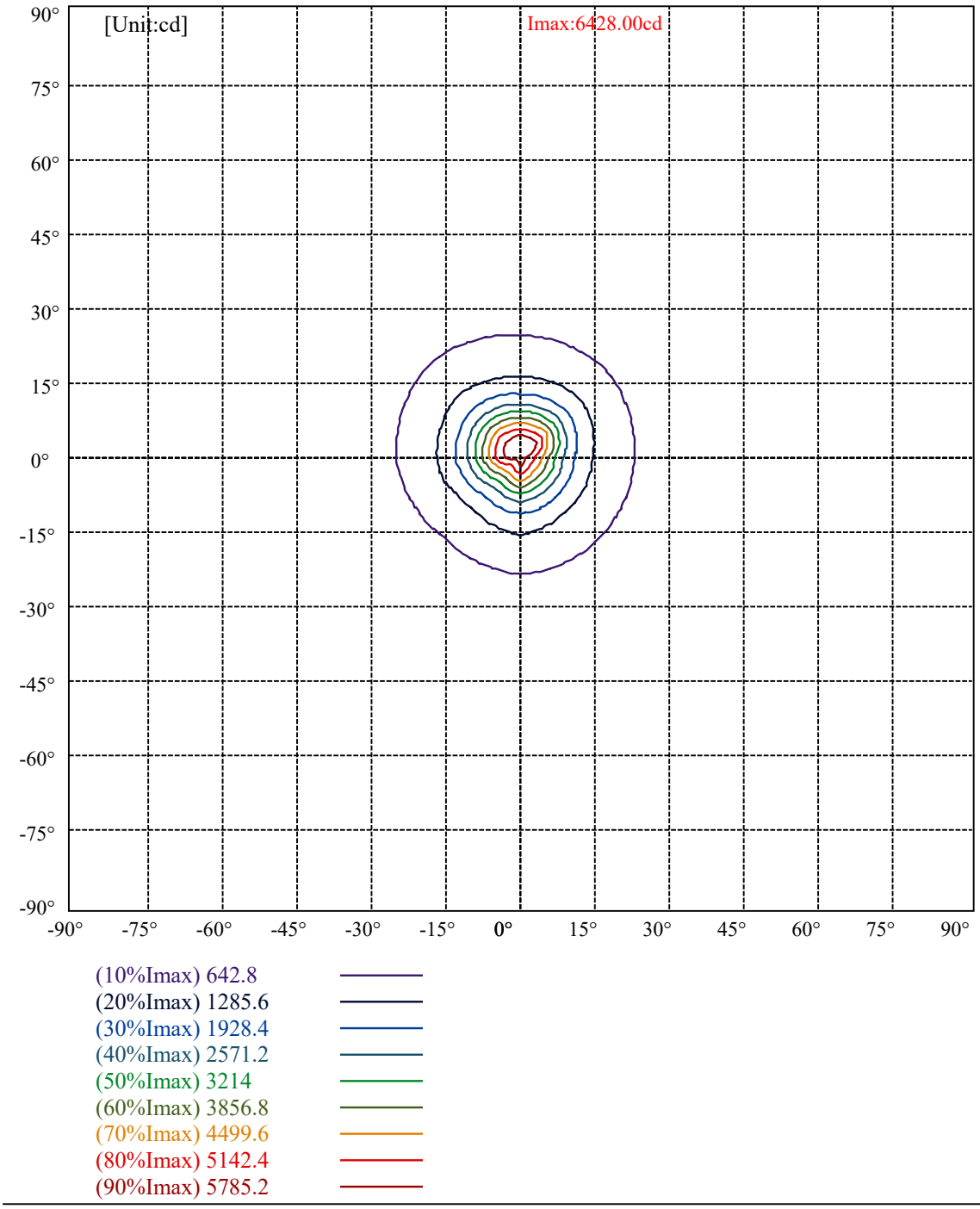
Lux distance Curve



Max , Ave

Beam angle of C90 plane 17.11

ISO-Intensity(V-H)



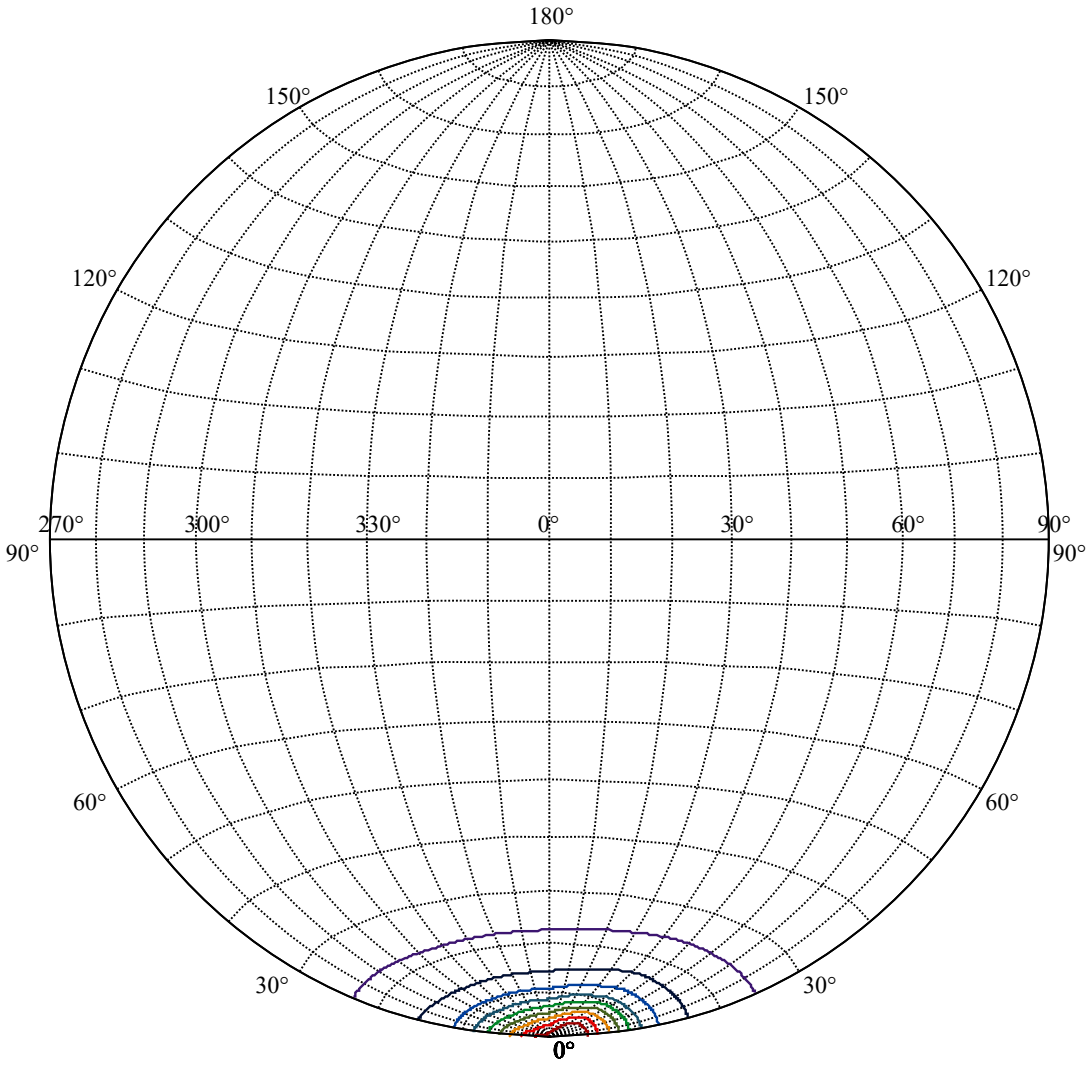
(10%Imax) 642.8
(20%Imax) 1285.6
(30%Imax) 1928.4
(40%Imax) 2571.2
(50%Imax) 3214
(60%Imax) 3856.8
(70%Imax) 4499.6
(80%Imax) 5142.4
(90%Imax) 5785.2

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/11
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6428.00

(10%Imax) 642.677
(20%Imax) 1285.35
(30%Imax) 1928.03
(40%Imax) 2570.71
(50%Imax) 3213.39
(60%Imax) 3856.06
(70%Imax) 4498.74
(80%Imax) 5141.42
(90%Imax) 5784.1

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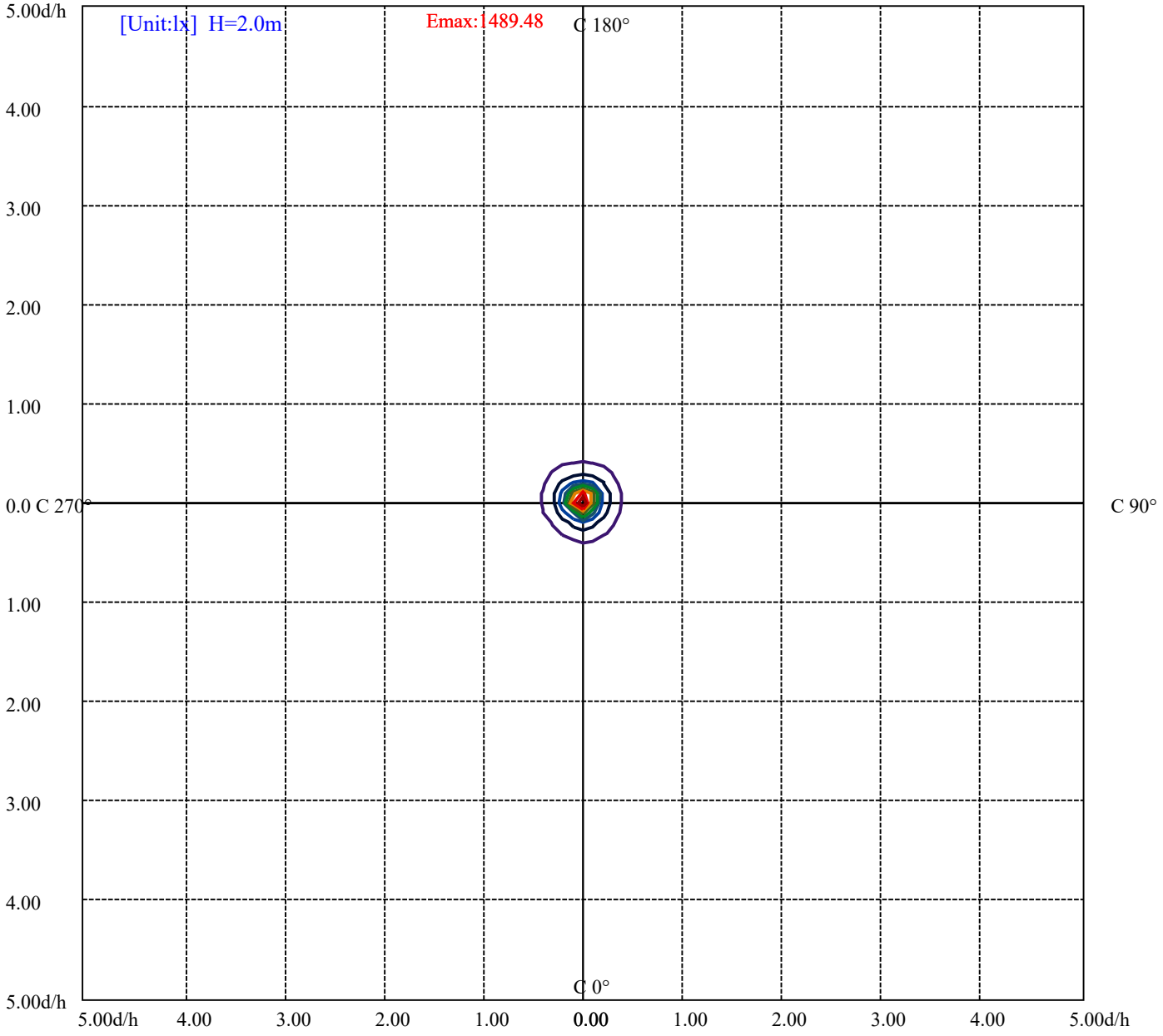
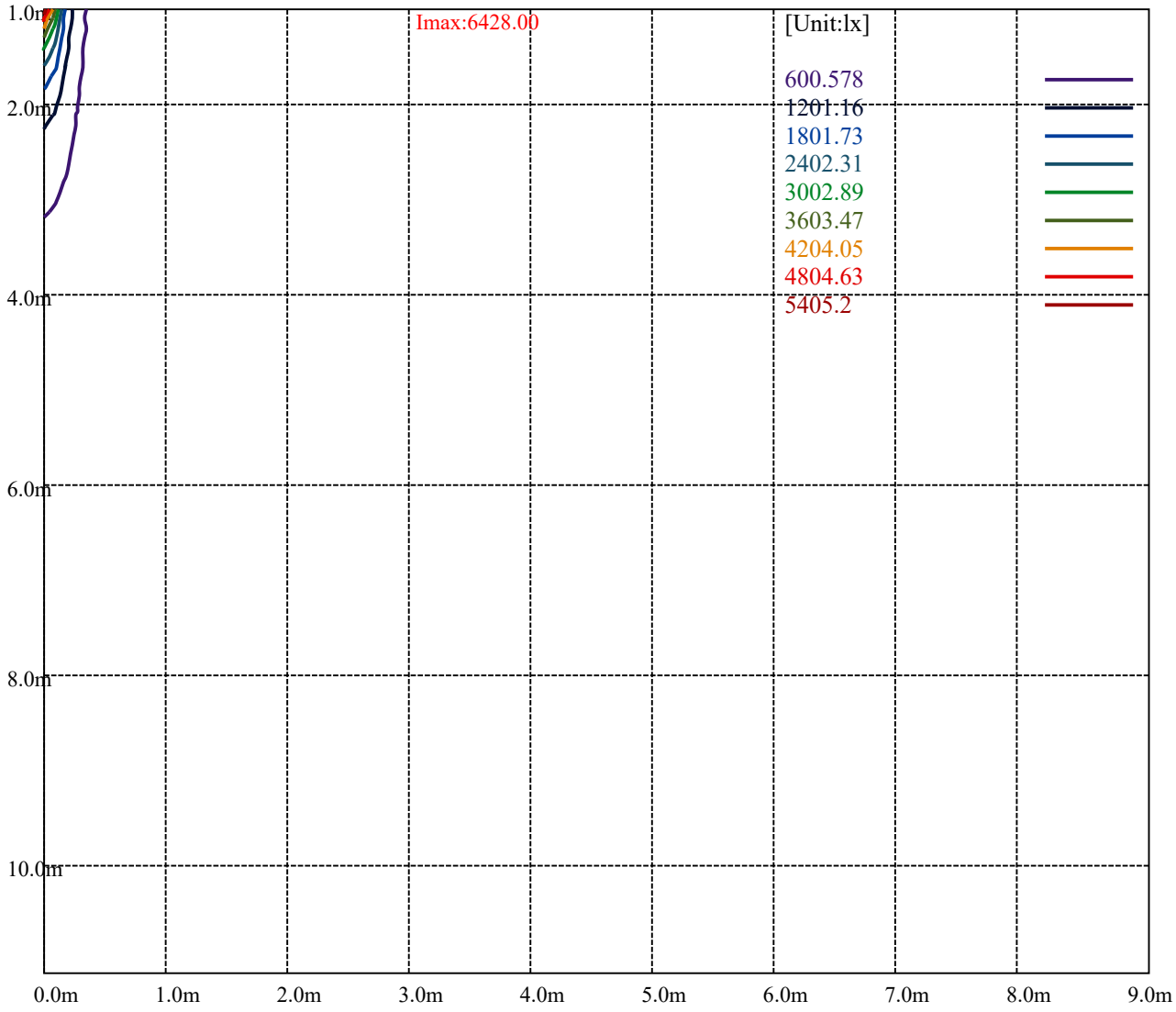
ISO illuminance diagram



(10%Emax) 148.947
(20%Emax) 297.895
(30%Emax) 446.84
(40%Emax) 595.7875
(50%Emax) 744.735
(60%Emax) 893.6825
(70%Emax) 1042.63
(80%Emax) 1191.578
(90%Emax) 1340.522

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/2/11
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/11
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

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Luminance Limitting Curve(no luminous side)

Luminance Table

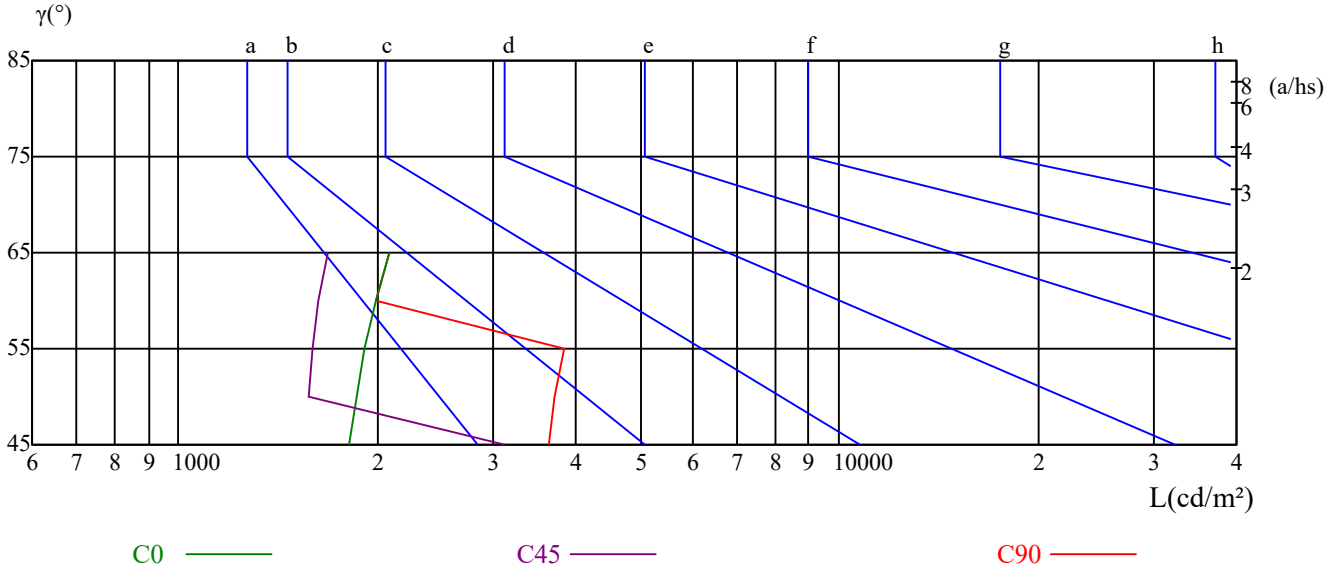
γ	45	50	55	60	65	70	75	80	85
C0	1816	1856	1913	1989	2088	0	0	0	0
C45	3118	1570	1593	1629	1680	0	0	0	0
C90	3632	3712	3826	1989	2088	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5044	5044	3783	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: 2025/2/11
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

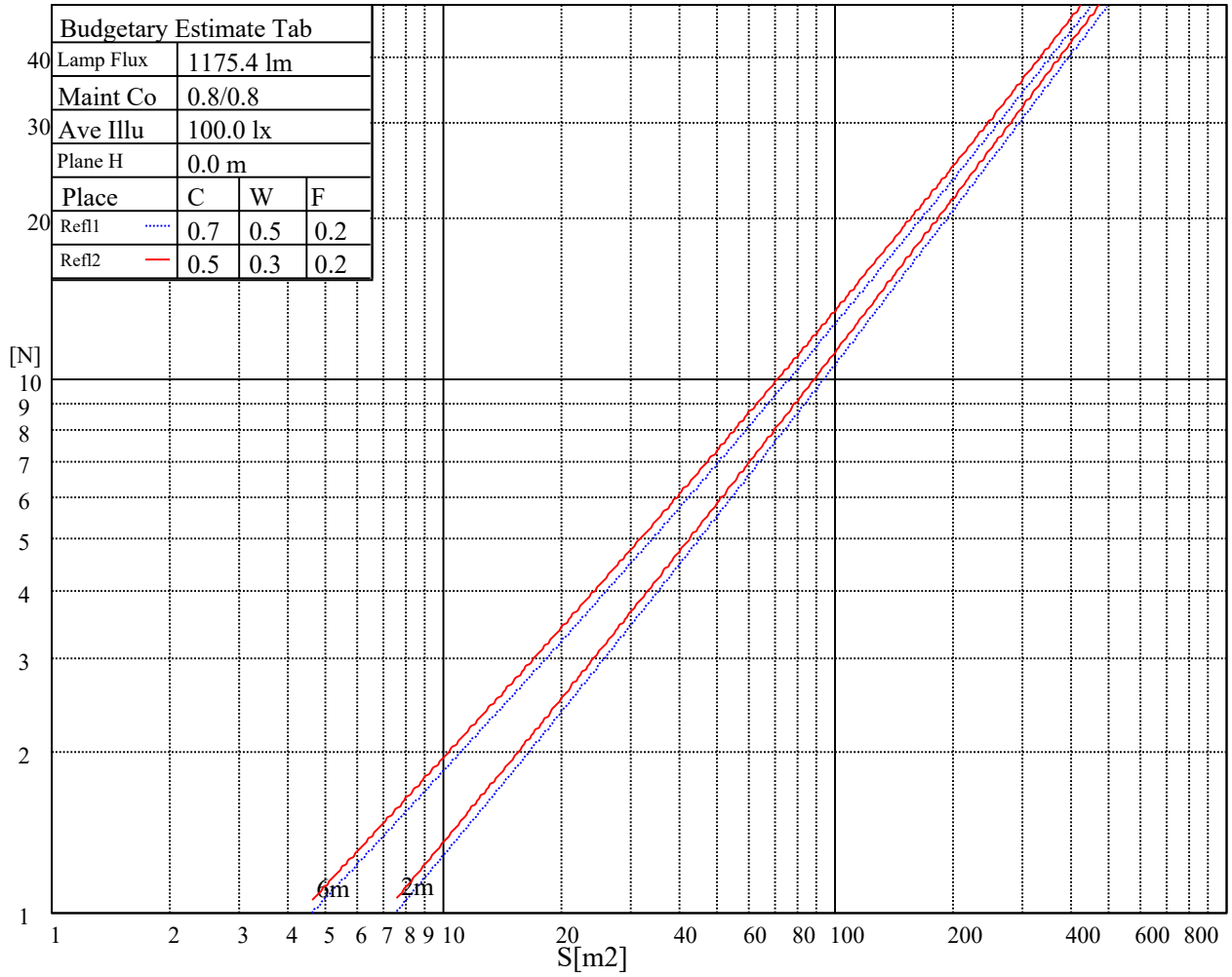
UGR Glare

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	11.80	12.70	12.17	13.01	13.33	13.80	14.70	14.17	15.01	15.33
	3H	11.65	12.45	12.04	12.78	13.13	13.65	14.45	14.04	14.79	15.13
	4H	11.56	12.29	11.96	12.65	13.02	13.55	14.29	13.96	14.64	15.01
	6H	11.49	12.16	11.91	12.54	12.94	13.47	14.14	13.89	14.52	14.92
	8H	11.42	12.06	11.84	12.45	12.86	13.39	14.03	13.81	14.42	14.83
	12H	11.36	11.96	11.79	12.36	12.78	13.32	13.93	13.75	14.32	14.74
4H	2H	11.52	12.26	11.92	12.61	12.98	13.50	14.23	13.90	14.59	14.96
	3H	11.35	11.96	11.77	12.36	12.78	13.32	13.94	13.75	14.33	14.75
	4H	11.30	11.83	11.74	12.25	12.70	13.25	13.79	13.69	14.21	14.66
	6H	11.19	11.66	11.67	12.11	12.57	13.12	13.59	13.60	14.04	14.50
	8H	11.16	11.59	11.64	12.05	12.52	13.07	13.50	13.56	13.96	14.44
	12H	11.12	11.52	11.61	11.97	12.49	13.02	13.42	13.51	13.87	14.39
8H	4H	11.11	11.54	11.60	12.00	12.48	13.06	13.49	13.54	13.95	14.42
	6H	11.02	11.37	11.53	11.85	12.37	12.92	13.27	13.43	13.76	14.27
	8H	11.05	11.34	11.58	11.86	12.36	12.92	13.21	13.46	13.74	14.23
	12H	11.02	11.24	11.57	11.76	12.28	12.88	13.10	13.43	13.62	14.14
12H	4H	11.06	11.46	11.55	11.91	12.44	13.00	13.40	13.50	13.85	14.38
	6H	11.02	11.31	11.55	11.83	12.33	12.91	13.20	13.45	13.73	14.23
	8H	11.01	11.23	11.56	11.75	12.27	12.88	13.09	13.42	13.61	14.14

Variation with the observer position at spacings:		
S = 1.0H	6.3/-8.7	6.1/-9.0
S = 1.5H	9.0/-8.9	8.8/-8.3
S = 2.0H	11.0/-9.8	10.8/-8.3
Standard tables:	BK0	BK0
Uncorrected UGR	-5.3	-7.2

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

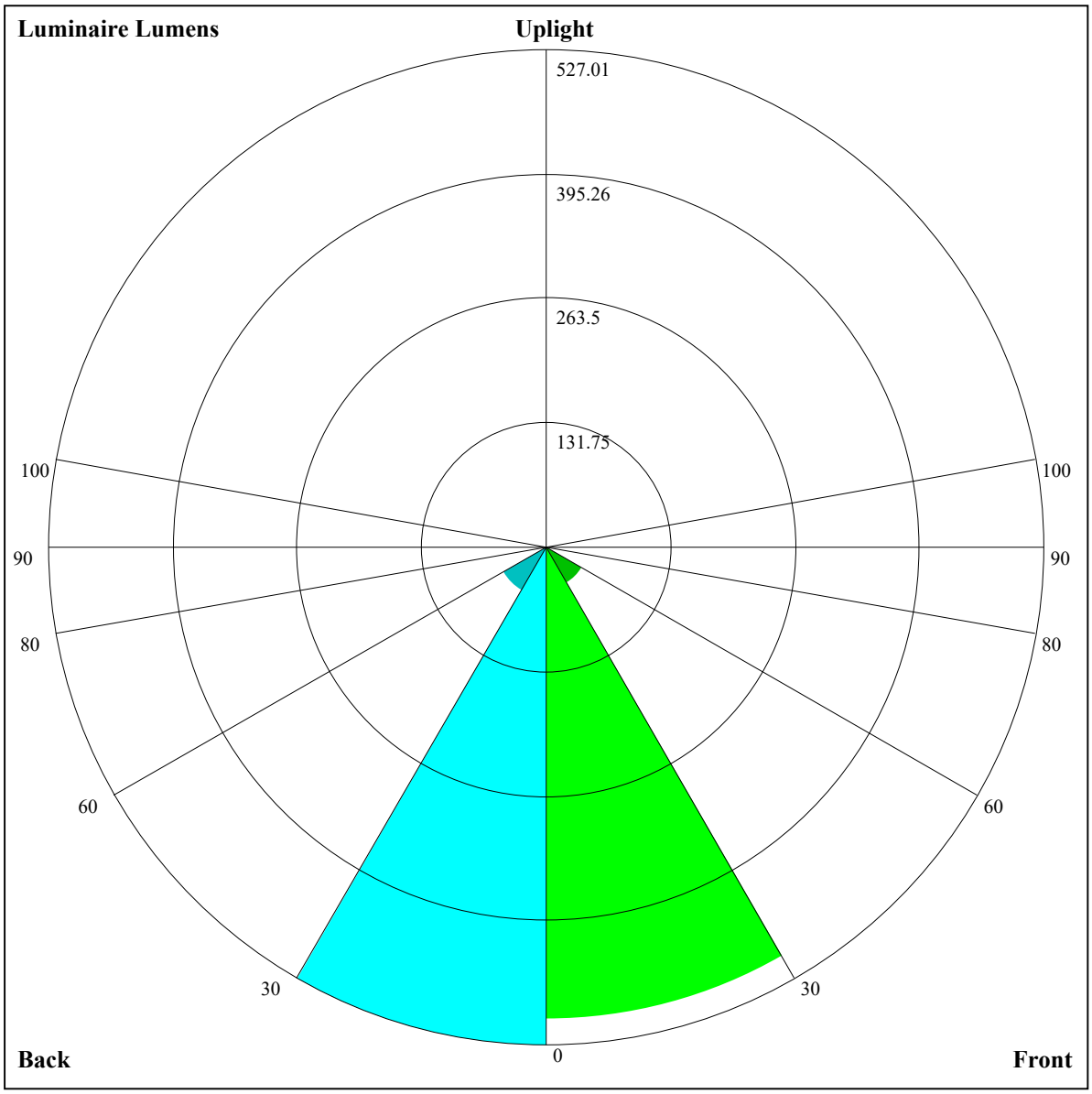
Budgetary Estimate Table



Equipment: GMS 1800 Date: 2025/2/11 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.30

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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.08	1.06	1.04	1.06	1.04	1.02	1.02	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.92
2	1.02	0.99	0.97	1.01	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.92	0.91	0.90	0.88
3	0.97	0.94	0.91	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.87	0.90	0.88	0.86	0.85
4	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.87	0.85	0.83	0.82
5	0.89	0.85	0.82	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.80	0.79
6	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.76
7	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
8	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.72	0.71
9	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.75	0.72	0.69	0.69
10	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.73	0.70	0.67	0.66



Luminaire Lumens:
FL=500.08,FM=43.63,FH=2.4,FVH=0.33
BL=527.01,BM=53.77,BH=2.66,BVH=0.31
UL=0,UH=0

BUG Rating:B2-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	6005.41	5808.24	5481.57	5058.45	4669.96	4050.73	3638.80	3157.06	2735.54
45.0	5955.32	6174.87	6265.47	6204.18	5987.29	5622.25	5145.84	4599.09	4036.34
90.0	6321.95	6428.00	6384.30	6183.93	5995.28	5567.37	4804.25	4453.07	3878.07
135.0	5980.90	6119.45	6164.21	6037.38	5848.20	5505.02	5058.45	4560.19	4044.87
180.0	6005.41	6066.16	5989.42	5781.59	5464.52	5057.38	4601.22	4126.94	3656.39
225.0	5955.32	5614.26	5189.01	4710.46	4412.57	3726.73	3262.04	2999.85	2476.55
270.0	6321.95	6080.02	5722.97	5283.33	4786.67	4265.49	3749.64	3271.10	2843.71
315.0	5980.90	5632.91	5320.10	4864.47	4374.20	3877.54	3400.59	2965.22	2595.92
360.0	6005.41	5808.24	5481.57	5058.45	4669.96	4050.73	3638.80	3157.06	2735.54

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2382.76	2097.12	1867.44	1668.67	1498.14	1350.53	1181.60	1053.17	1012.83
45.0	3482.66	2974.27	2540.49	2189.85	1968.69	1704.91	1522.66	1395.29	1227.43
90.0	3327.05	2824.53	2407.80	2086.46	1838.66	1634.56	1461.37	1315.36	1046.56
135.0	3532.75	3073.39	2672.12	2337.46	2068.34	1845.59	1655.88	1491.21	1347.86
180.0	3208.22	2795.22	2448.30	2152.01	1906.88	1694.78	1509.33	1408.61	1207.71
225.0	2286.83	2018.79	1792.30	1593.00	1421.94	1280.72	1057.22	1057.22	955.70
270.0	2486.14	2188.78	1949.51	1746.47	1569.55	1419.27	1338.27	1165.08	1056.37
315.0	2292.70	2033.71	1809.89	1612.72	1441.65	1297.24	1025.94	1025.94	1006.49
360.0	2382.76	2097.12	1867.44	1668.67	1498.14	1350.53	1181.60	1053.17	1012.83

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	956.98	841.40	772.44	734.87	676.78	621.79	564.55	507.05	454.99
45.0	1132.04	1024.39	926.87	844.81	770.20	705.19	648.17	595.94	544.25
90.0	1046.56	1008.09	886.75	813.37	774.36	692.93	663.03	613.42	562.64
135.0	1219.44	1106.46	1045.71	917.81	842.67	800.04	737.16	679.07	624.72
180.0	1091.54	1031.32	910.35	862.39	794.71	735.56	681.74	630.58	576.22
225.0	871.13	791.30	723.36	677.96	621.79	569.78	513.24	459.95	419.98
270.0	999.35	916.75	841.61	771.80	710.52	651.36	591.68	530.40	481.90
315.0	915.52	835.69	767.16	706.09	649.18	591.73	532.26	479.18	442.68
360.0	956.98	841.40	772.44	734.87	676.78	621.79	564.55	507.05	454.99

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	417.42	376.44	331.68	285.95	242.36	197.33	151.72	108.23	69.38
45.0	493.09	439.80	396.10	362.00	320.43	277.27	277.27	268.74	168.98
90.0	511.85	461.38	422.64	383.05	337.86	291.76	245.83	199.73	154.54
135.0	568.76	510.15	459.52	423.82	382.25	332.69	282.60	263.95	223.76
180.0	522.40	473.38	439.27	405.70	366.80	322.56	277.27	277.27	179.69
225.0	385.61	343.35	301.41	262.56	223.44	180.92	138.29	97.79	62.40
270.0	442.47	402.50	355.07	304.98	267.14	267.14	158.80	115.32	91.18
315.0	401.86	354.01	305.19	258.56	212.68	168.40	124.65	82.71	45.30
360.0	417.42	376.44	331.68	285.95	242.36	197.33	151.72	108.23	69.38

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	37.57	15.99	8.90	7.89	6.77	5.97	5.44	4.96	4.48
45.0	128.75	91.50	58.46	32.24	17.00	13.00	11.51	10.18	8.95
90.0	111.96	73.59	41.78	20.46	14.49	12.63	11.94	11.35	10.76
135.0	146.07	111.91	72.10	33.52	16.89	9.27	8.31	7.41	6.98
180.0	143.35	101.52	64.27	35.44	18.76	15.45	14.76	14.28	14.02
225.0	34.80	17.91	13.64	12.42	11.03	10.02	8.95	8.42	7.41
270.0	54.36	18.49	12.20	10.82	10.28	9.97	9.65	9.38	9.11
315.0	22.33	5.86	4.64	3.94	3.52	3.20	2.98	2.77	2.61
360.0	37.57	15.99	8.90	7.89	6.77	5.97	5.44	4.96	4.48

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	4.21	4.05	4.00	3.94	3.89	3.89	4.05	4.05	4.05
45.0	8.10	7.30	6.45	5.70	5.17	4.74	4.37	4.32	3.94
90.0	10.50	10.23	9.86	9.38	9.17	9.27	9.01	8.79	8.63
135.0	6.66	6.18	6.02	5.70	5.28	4.85	4.42	4.05	3.62
180.0	13.70	13.54	13.11	12.79	12.31	11.72	11.19	10.66	10.13
225.0	7.03	6.61	6.18	5.76	5.44	5.33	5.22	5.22	5.54
270.0	8.85	8.63	8.53	8.31	8.15	7.99	7.78	7.46	7.35
315.0	2.45	2.34	2.24	2.18	2.08	2.03	1.97	2.03	1.97
360.0	4.21	4.05	4.00	3.94	3.89	3.89	4.05	4.05	4.05

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.16	4.26	4.26	4.37	4.48	4.26	4.00	3.89	3.84
45.0	3.84	3.84	3.84	4.00	4.16	4.21	4.21	4.37	4.32
90.0	8.31	8.05	7.89	7.67	7.35	6.87	6.34	6.02	5.76
135.0	3.30	3.14	3.09	2.93	2.82	2.82	2.77	2.82	2.77
180.0	9.43	8.85	8.15	7.83	7.51	7.14	6.71	6.34	5.92
225.0	5.54	5.60	5.70	5.81	5.70	5.44	4.90	4.26	3.78
270.0	7.19	7.03	6.98	6.77	6.50	6.39	6.29	6.34	6.18
315.0	1.92	2.03	1.97	1.97	2.03	2.08	2.08	2.08	2.13
360.0	4.16	4.26	4.26	4.37	4.48	4.26	4.00	3.89	3.84

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.73	3.36	3.04	2.88	2.56	2.24	1.97	1.81	1.55
45.0	4.16	4.16	3.78	3.25	2.82	2.40	2.18	1.87	1.76
90.0	5.38	5.06	4.58	4.21	3.84	3.46	2.93	2.50	2.18
135.0	2.77	2.77	2.66	2.61	2.61	2.50	2.18	2.03	1.87
180.0	5.54	5.17	4.80	4.42	3.94	3.52	3.14	2.88	2.56
225.0	3.57	3.41	2.72	2.40	2.24	2.08	1.97	1.87	1.81
270.0	5.70	5.22	4.80	4.21	3.57	3.09	2.72	2.40	2.03
315.0	2.08	2.08	1.97	1.87	1.76	1.65	1.55	1.44	1.33
360.0	3.73	3.36	3.04	2.88	2.56	2.24	1.97	1.81	1.55

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.44	1.28	1.23	1.12	1.07	1.07	1.07	0.96	0.96
45.0	1.65	1.65	1.60	1.55	1.55	1.55	1.55	1.55	1.49
90.0	1.81	1.49	1.23	1.01	0.91	0.85	0.85	0.80	0.75
135.0	1.71	1.44	1.28	1.17	1.12	1.01	0.85	0.85	0.80
180.0	2.18	1.97	1.71	1.44	1.23	1.12	1.07	0.96	0.91
225.0	1.76	1.71	1.55	1.44	1.39	1.28	1.17	1.12	1.01
270.0	1.65	1.44	1.23	1.17	1.01	1.01	0.91	0.85	0.85
315.0	1.17	1.07	0.96	0.91	0.80	0.80	0.75	0.69	0.59
360.0	1.44	1.28	1.23	1.12	1.07	1.07	1.07	0.96	0.96

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.96	0.96	0.80	0.75	0.59	0.43	0.43	0.37	0.32
45.0	1.44	1.33	1.23	1.17	0.96	0.80	0.59	0.43	0.37
90.0	0.64	0.64	0.59	0.59	0.59	0.48	0.43	0.43	0.37
135.0	0.80	0.69	0.64	0.64	0.59	0.59	0.53	0.53	0.43
180.0	0.80	0.75	0.75	0.69	0.69	0.64	0.53	0.48	0.37
225.0	0.91	0.80	0.69	0.59	0.53	0.48	0.43	0.32	0.32
270.0	0.75	0.64	0.59	0.53	0.48	0.43	0.43	0.37	0.21
315.0	0.59	0.59	0.53	0.53	0.48	0.43	0.43	0.37	0.27
360.0	0.96	0.96	0.80	0.75	0.59	0.43	0.43	0.37	0.32

Intensity data(cd)

C/γ(°)	90.0
0.0	0.21
45.0	0.32
90.0	0.37
135.0	0.43
180.0	0.37
225.0	0.27
270.0	0.21
315.0	0.21
360.0	0.21