NATA LIGHTING CO .LED
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000（10 lines） Fax:+86 0750-377 1111
Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT
LumCAT: 3-2962-LM
Luminaire: 92.70.411.00
Report No: 20250413-B003
Ballast type: AC
Test No: 20250413-C003
LampCAT: LUMILEDS LUXEON 1208
Lamp flux(lm): 3860.0
Number of Lamps: 1
Length(mm): 92
Phm Type: C

Voltage(V): 35.490
Current(A): 0.894
Power (W): 31.720
PF: 0.000
Width(mm): 92
Height(mm): 50

Photometric Results

Lumens(lm): 3761.65, Efficiency(%): 97.45% , Luminous Efficacy(lm/W): 118.59
Central intensity(cd): 10612.330, Maximum intensity(cd): 11063.700
Angle of maximum intensity: C=270.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=28.4
[C90/270]Total=27.0
Field angle(10%Imax): [C0/180]Total=71.4
[C90/270]Total=70.0
Maximum s/h(1/2): C0_180=0.50 C90_270=0.42
Maximum s/h(1/4): C0_180=0.50 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 97.41%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.841%

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/5/13
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10620.590	0.000	0	0.00%	0.00%
1.0	10677.877	10.191	10.191	0.26%	0.27%
2.0	10566.568	30.492	40.683	0.79%	1.08%
3.0	10450.395	50.266	90.949	1.30%	2.42%
4.0	10277.536	69.383	160.332	1.80%	4.26%
5.0	10012.418	87.286	247.618	2.26%	6.58%
6.0	9714.660	103.671	351.289	2.69%	9.34%
7.0	9301.730	118.034	469.323	3.06%	12.48%
8.0	8840.838	129.843	599.166	3.36%	15.93%
9.0	8302.808	138.940	738.106	3.60%	19.62%
10.0	7770.974	145.462	883.568	3.77%	23.49%
11.0	7152.744	149.119	1032.687	3.86%	27.45%
12.0	6543.306	149.717	1182.404	3.88%	31.43%
13.0	5868.655	147.299	1329.703	3.82%	35.35%
14.0	5276.136	142.652	1472.355	3.70%	39.14%
15.0	4718.057	137.205	1609.56	3.55%	42.79%
16.0	4150.718	129.952	1739.512	3.37%	46.24%
17.0	3691.558	122.125	1861.638	3.16%	49.49%
18.0	3306.271	115.379	1977.017	2.99%	52.56%
19.0	2964.016	109.090	2086.107	2.83%	55.46%
20.0	2634.218	102.463	2188.57	2.65%	58.18%
21.0	2358.242	95.865	2284.435	2.48%	60.73%
22.0	2238.273	92.369	2376.804	2.39%	63.19%
23.0	2011.591	89.174	2465.978	2.31%	65.56%
24.0	1826.941	83.924	2549.902	2.17%	67.79%
25.0	1711.701	80.461	2630.363	2.08%	69.93%
26.0	1618.511	78.610	2708.973	2.04%	72.02%
27.0	1537.576	77.214	2786.187	2.00%	74.07%
28.0	1465.302	76.027	2862.214	1.97%	76.09%
29.0	1409.414	75.211	2937.425	1.95%	78.09%
30.0	1359.255	74.753	3012.178	1.94%	80.08%
31.0	1312.626	74.355	3086.533	1.93%	82.05%
32.0	1269.461	73.974	3160.506	1.92%	84.02%
33.0	1228.361	73.587	3234.093	1.91%	85.98%
34.0	1160.017	72.279	3306.373	1.87%	87.90%
35.0	1099.040	70.158	3376.53	1.82%	89.76%
36.0	1038.089	68.047	3444.577	1.76%	91.57%
37.0	925.621	64.045	3508.622	1.66%	93.27%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	785.255	57.107	3565.729	1.48%	94.79%
39.0	638.048	48.581	3614.31	1.26%	96.08%
40.0	497.409	39.601	3653.911	1.03%	97.14%
41.0	352.300	30.258	3684.169	0.78%	97.94%
42.0	247.439	21.790	3705.958	0.56%	98.52%
43.0	173.439	15.591	3721.549	0.40%	98.93%
44.0	92.771	10.048	3731.596	0.26%	99.20%
45.0	33.526	4.854	3736.45	0.13%	99.33%
46.0	25.573	2.311	3738.761	0.06%	99.39%
47.0	21.309	1.865	3740.626	0.05%	99.44%
48.0	18.219	1.598	3742.224	0.04%	99.48%
49.0	16.060	1.408	3743.631	0.04%	99.52%
50.0	14.561	1.277	3744.908	0.03%	99.56%
51.0	12.916	1.163	3746.071	0.03%	99.59%
52.0	11.897	1.065	3747.135	0.03%	99.61%
53.0	10.851	0.990	3748.125	0.03%	99.64%
54.0	10.192	0.927	3749.052	0.02%	99.67%
55.0	9.692	0.888	3749.94	0.02%	99.69%
56.0	9.173	0.852	3750.793	0.02%	99.71%
57.0	8.746	0.819	3751.612	0.02%	99.73%
58.0	8.300	0.788	3752.4	0.02%	99.75%
59.0	7.894	0.757	3753.157	0.02%	99.77%
60.0	7.454	0.725	3753.882	0.02%	99.79%
61.0	7.021	0.691	3754.573	0.02%	99.81%
62.0	6.515	0.652	3755.225	0.02%	99.83%
63.0	6.042	0.611	3755.836	0.02%	99.85%
64.0	5.562	0.569	3756.405	0.01%	99.86%
65.0	5.029	0.524	3756.929	0.01%	99.87%
66.0	4.590	0.480	3757.409	0.01%	99.89%
67.0	4.057	0.435	3757.844	0.01%	99.90%
68.0	3.584	0.387	3758.231	0.01%	99.91%
69.0	3.091	0.341	3758.572	0.01%	99.92%
70.0	2.731	0.299	3758.871	0.01%	99.93%
71.0	2.391	0.265	3759.135	0.01%	99.93%
72.0	2.138	0.236	3759.371	0.01%	99.94%
73.0	1.912	0.212	3759.583	0.01%	99.95%
74.0	1.759	0.193	3759.776	0.00%	99.95%
75.0	1.639	0.179	3759.955	0.00%	99.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.519	0.168	3760.123	0.00%	99.96%
77.0	1.426	0.157	3760.28	0.00%	99.96%
78.0	1.346	0.148	3760.428	0.00%	99.97%
79.0	1.272	0.141	3760.569	0.00%	99.97%
80.0	1.206	0.134	3760.702	0.00%	99.97%
81.0	1.119	0.126	3760.828	0.00%	99.98%
82.0	1.066	0.118	3760.947	0.00%	99.98%
83.0	1.013	0.113	3761.06	0.00%	99.98%
84.0	0.953	0.107	3761.167	0.00%	99.99%
85.0	0.859	0.099	3761.266	0.00%	99.99%
86.0	0.813	0.091	3761.357	0.00%	99.99%
87.0	0.733	0.085	3761.441	0.00%	99.99%
88.0	0.639	0.075	3761.517	0.00%	100.00%
89.0	0.586	0.067	3761.584	0.00%	100.00%
90.0	0.553	0.062	3761.646	0.00%	100.00%

Zonal flux distribution table

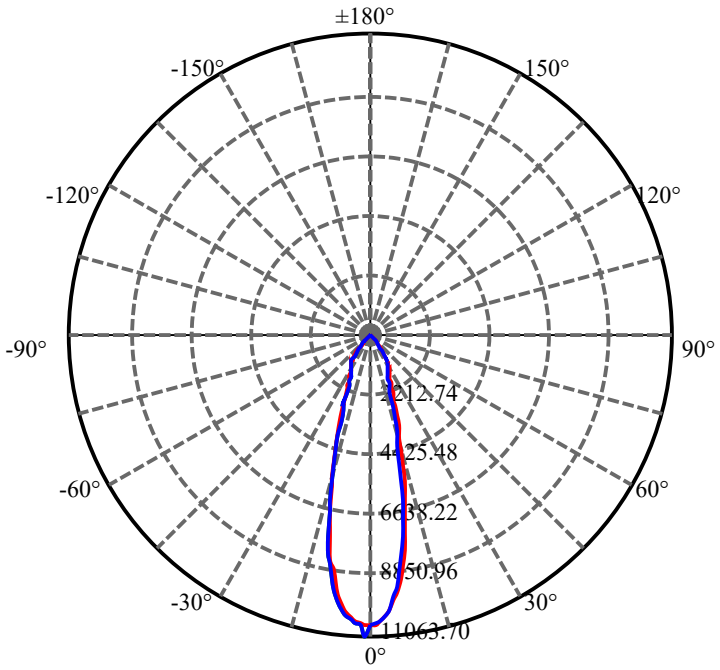
ZONAL LUMEN SUMMARY

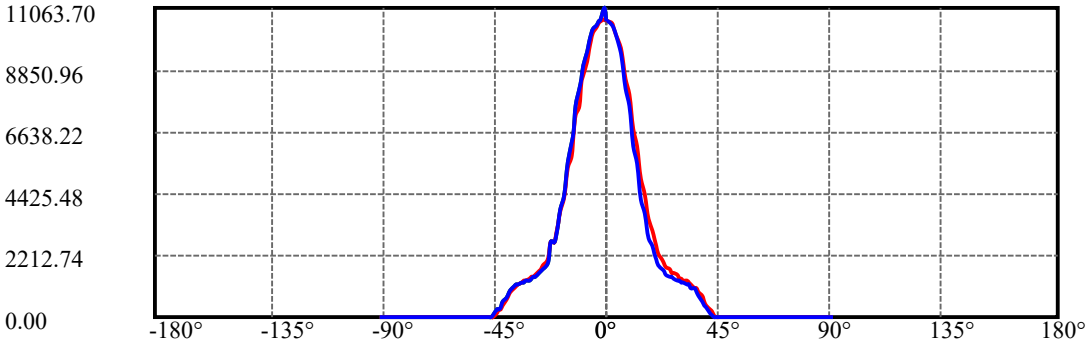
Zone	Lumens	%Lamp	%Fixt
0-30	3012.18	78.04%	80.08%
0-40	3653.91	94.66%	97.14%
0-60	3753.88	97.25%	99.79%
0-90	3761.58	97.45%	100.00%
0-120	3761.58	97.45%	100.00%
0-180	3761.65	97.45%	100.00%
60-90	7.70	0.20%	0.20%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.96	3009.32	77.96%	80.00%

ZONAL LUMEN SUMMARY

0-10	883.57
10-20	1305.00
20-30	823.61
30-40	641.73
40-50	91.00
50-60	8.97
60-70	4.99
70-80	1.83
80-90	0.88
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]





C270(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:35.6 Right:35.8
:C90/270Left:35.6 Right:34.4

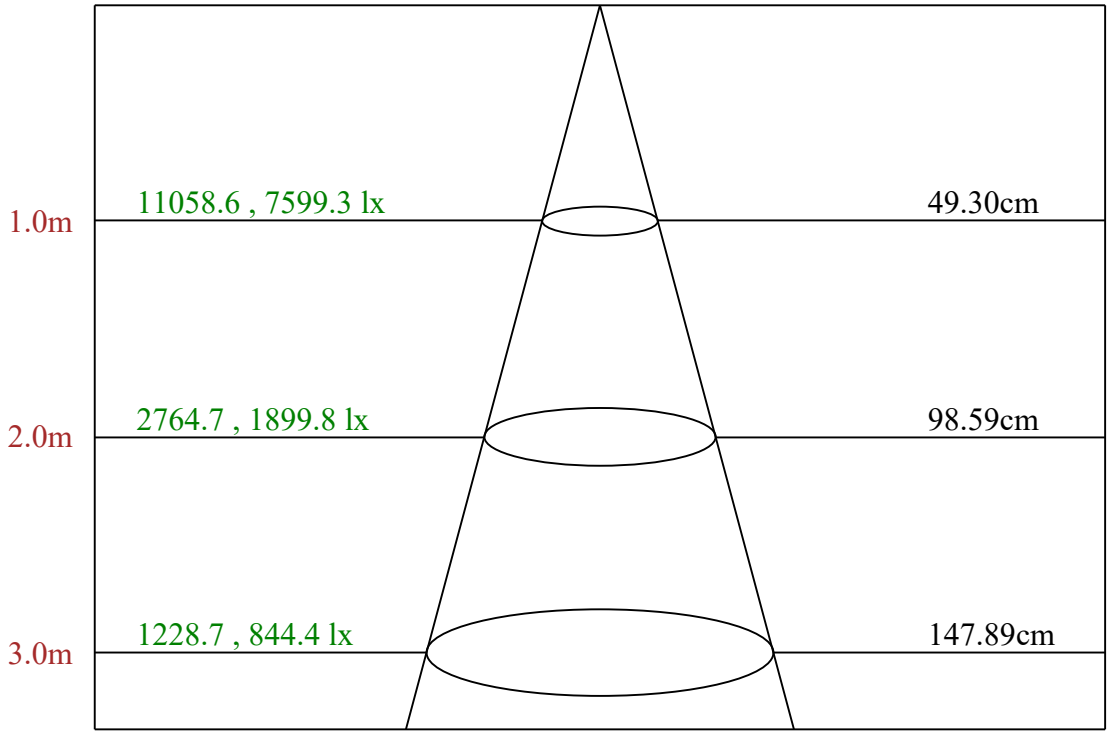
Beam Angle(50%Imax):C0/180Left:14.1 Right:14.3
:C90/270Left:14.1 Right:12.9

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/5/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

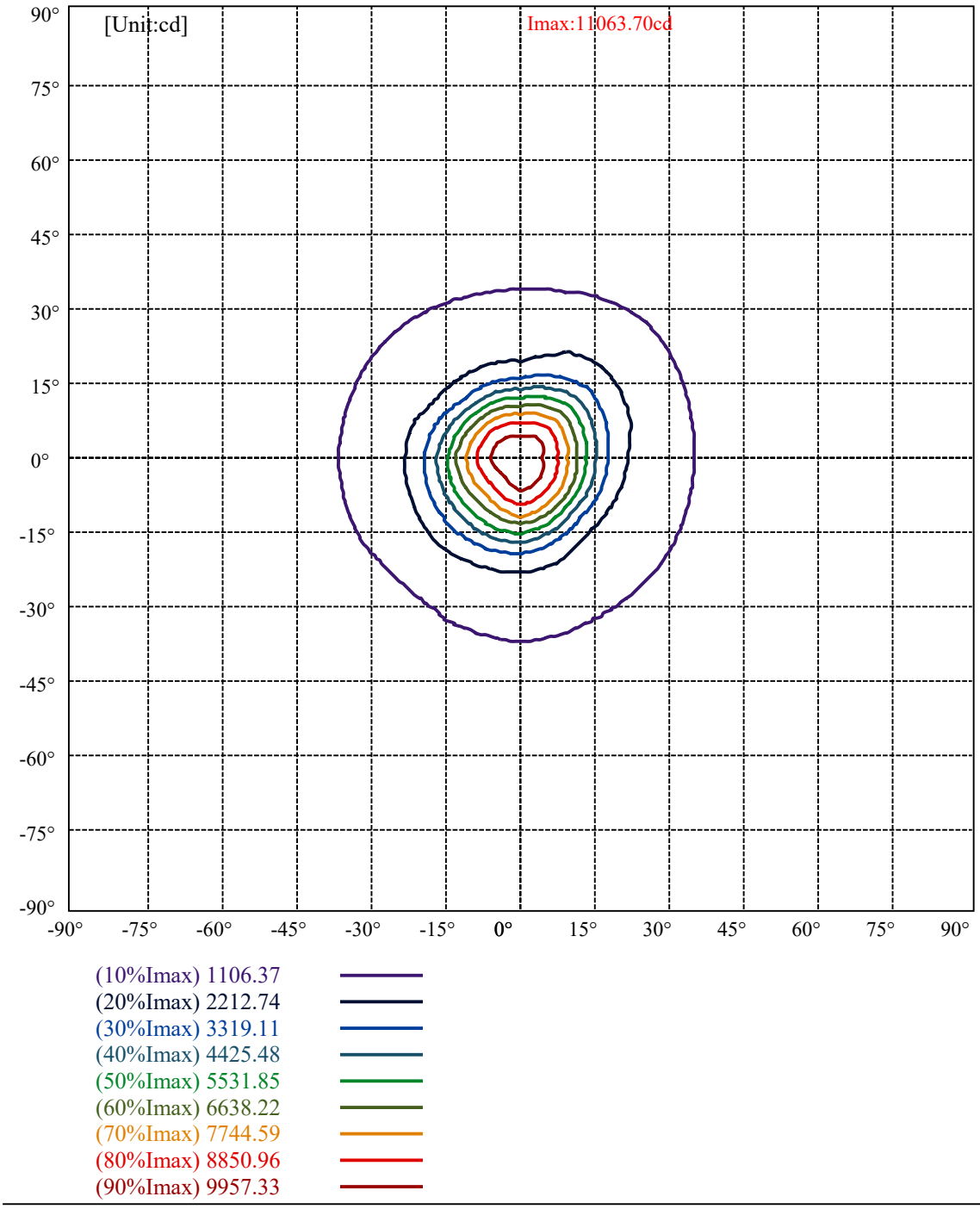
Lux distance Curve



Max , Ave

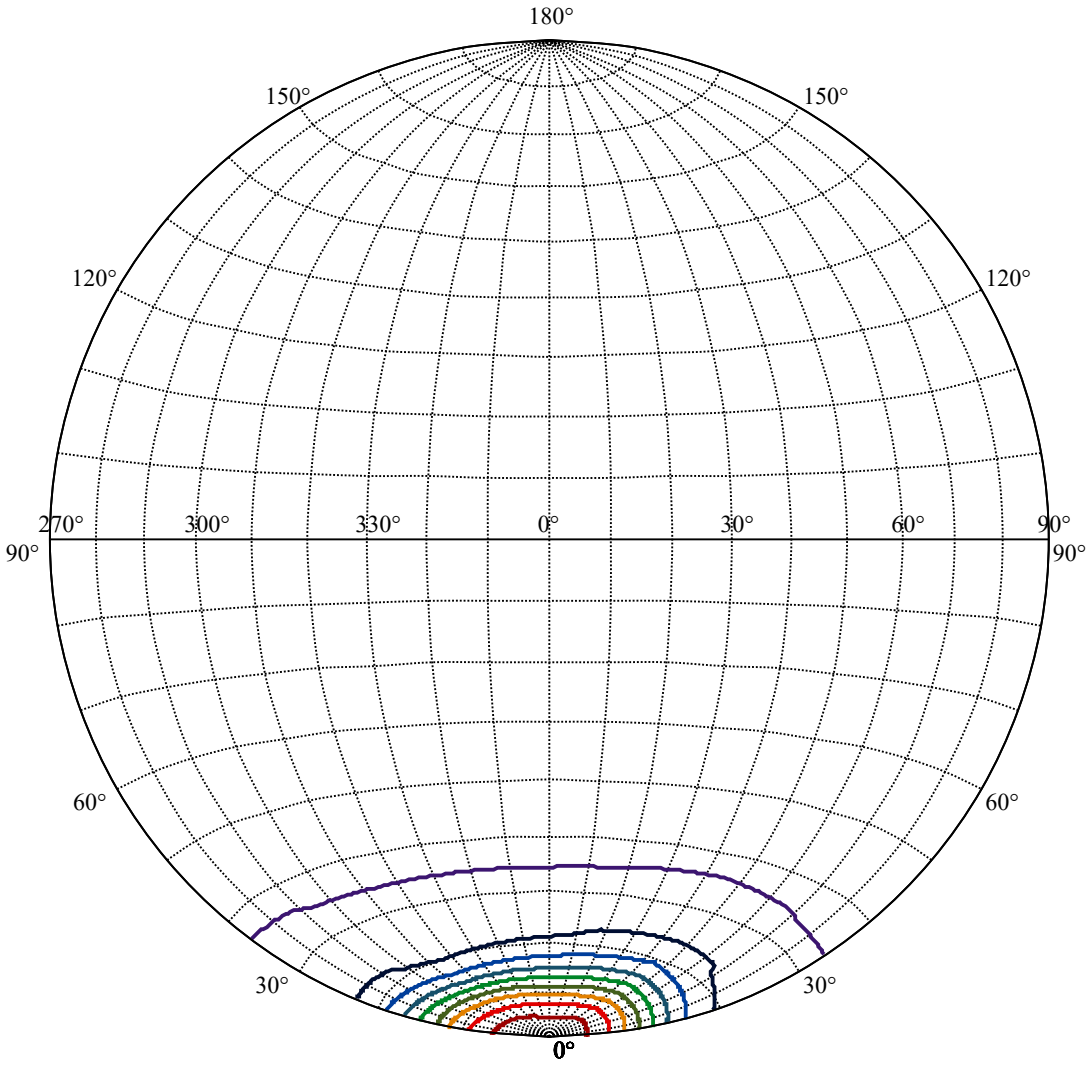
Beam angle of C270 plane 27.69

Equipment: GMS 1800	Date: 2025/5/13	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30



Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/5/13
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



[Unit:cd]

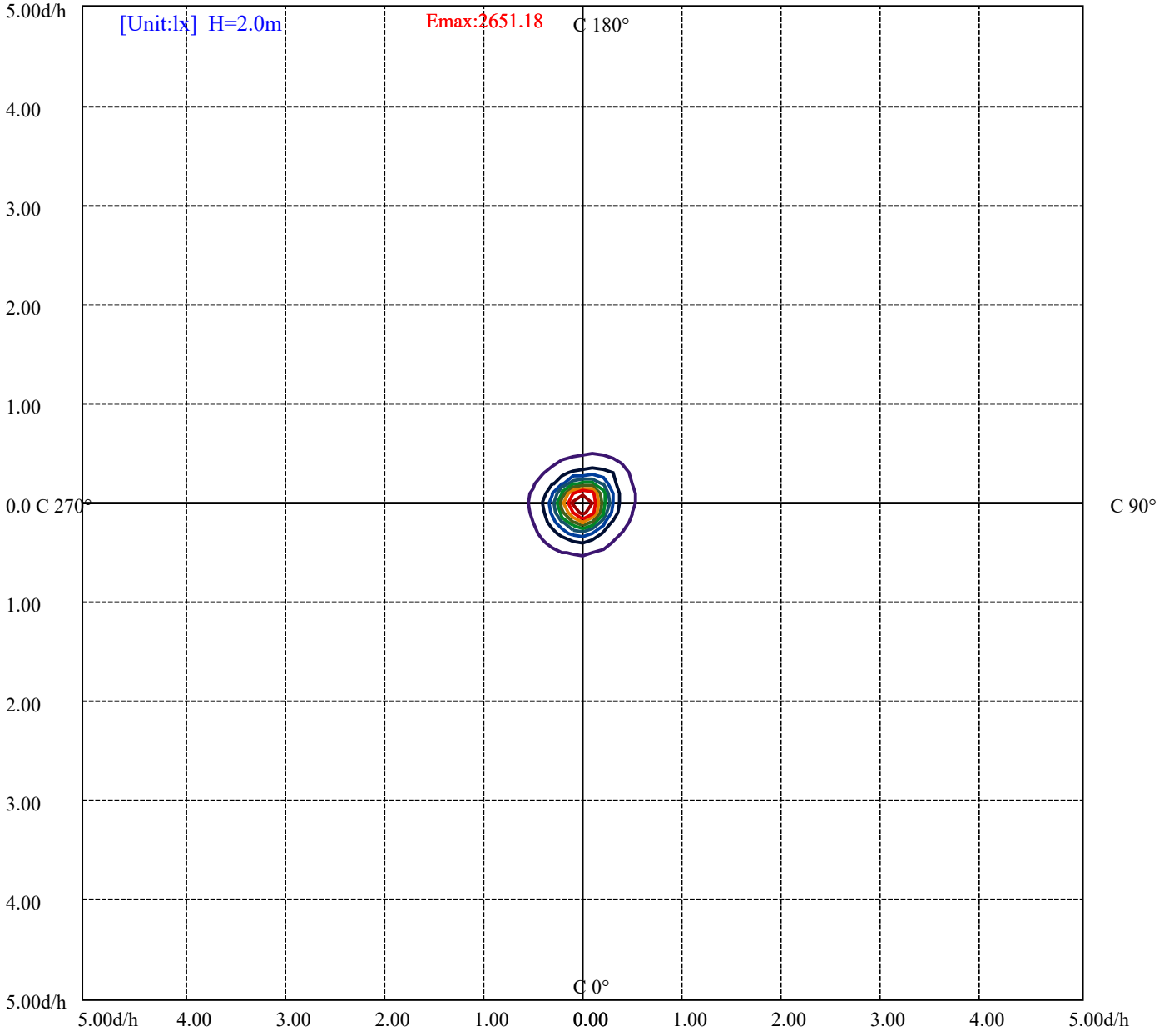
Imax:11063.70

(10%Imax) 1106.3
(20%Imax) 2212.6
(30%Imax) 3318.9
(40%Imax) 4425.2
(50%Imax) 5531.5
(60%Imax) 6637.8
(70%Imax) 7744.1
(80%Imax) 8850.4
(90%Imax) 9956.7

Equipment: GMS 1800	Date: 2025/5/13	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

NT NT 3-2962-LM

ISO illuminance diagram

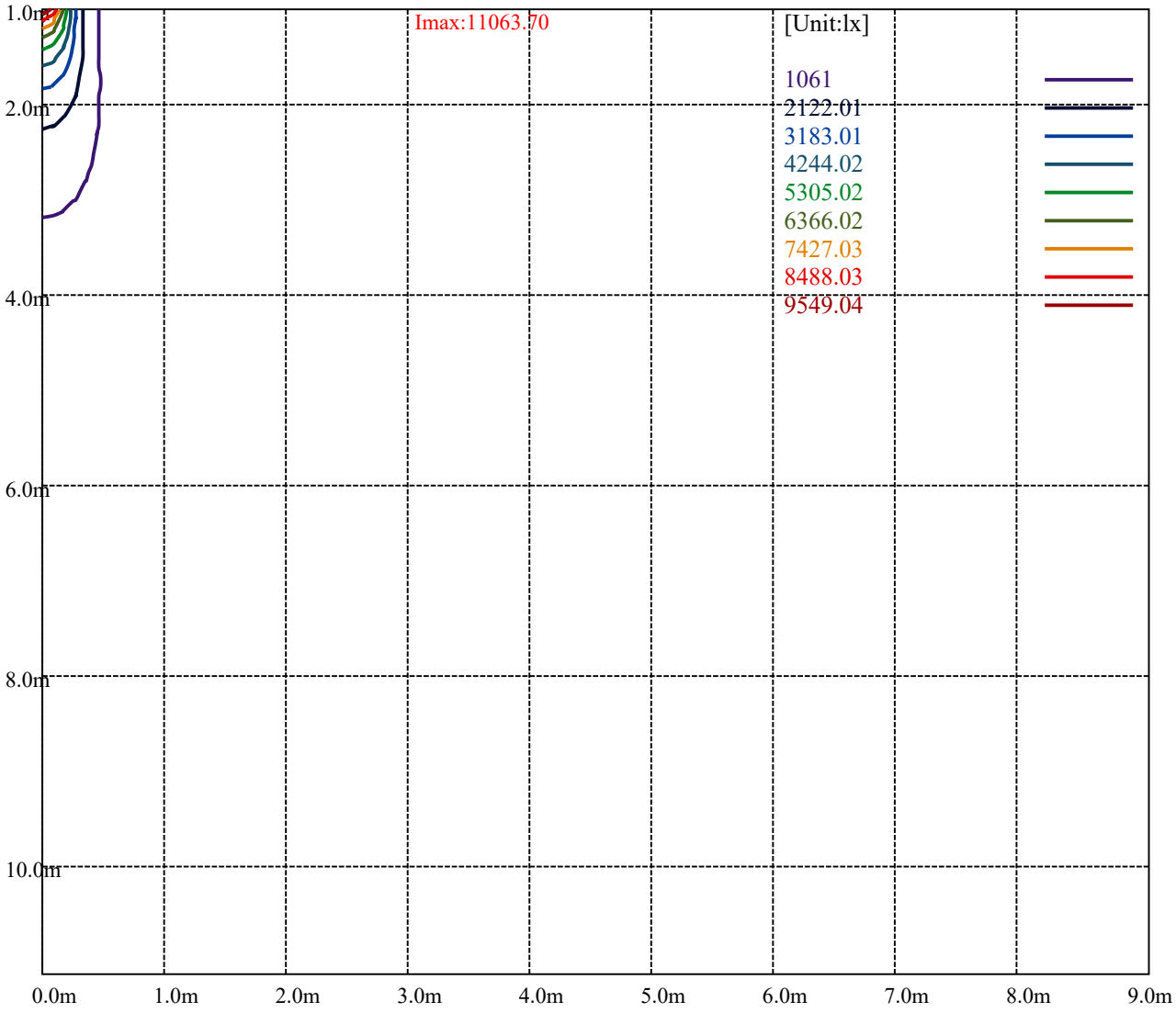


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/5/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/5/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 3-2962-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

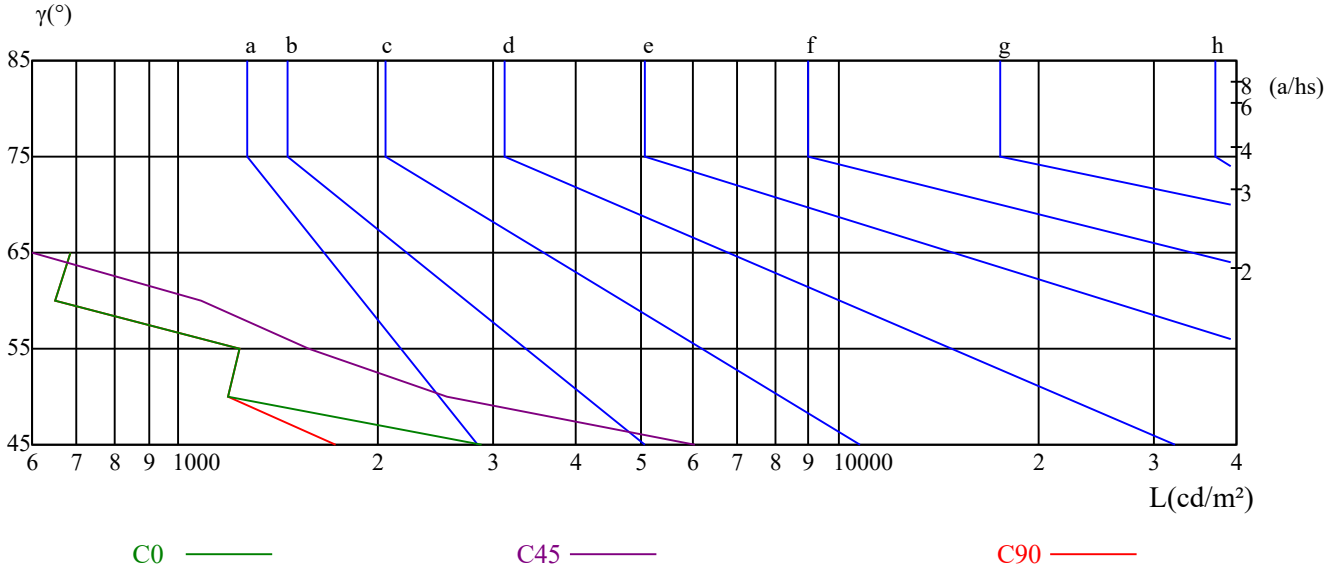
γ	45	50	55	60	65	70	75	80	85
C0	2884	1189	1236	649	688	0	0	0	0
C45	6041	2556	1570	1080	563	592	0	0	0
C90	1731	1189	1236	649	688	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1490	1490	1490	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

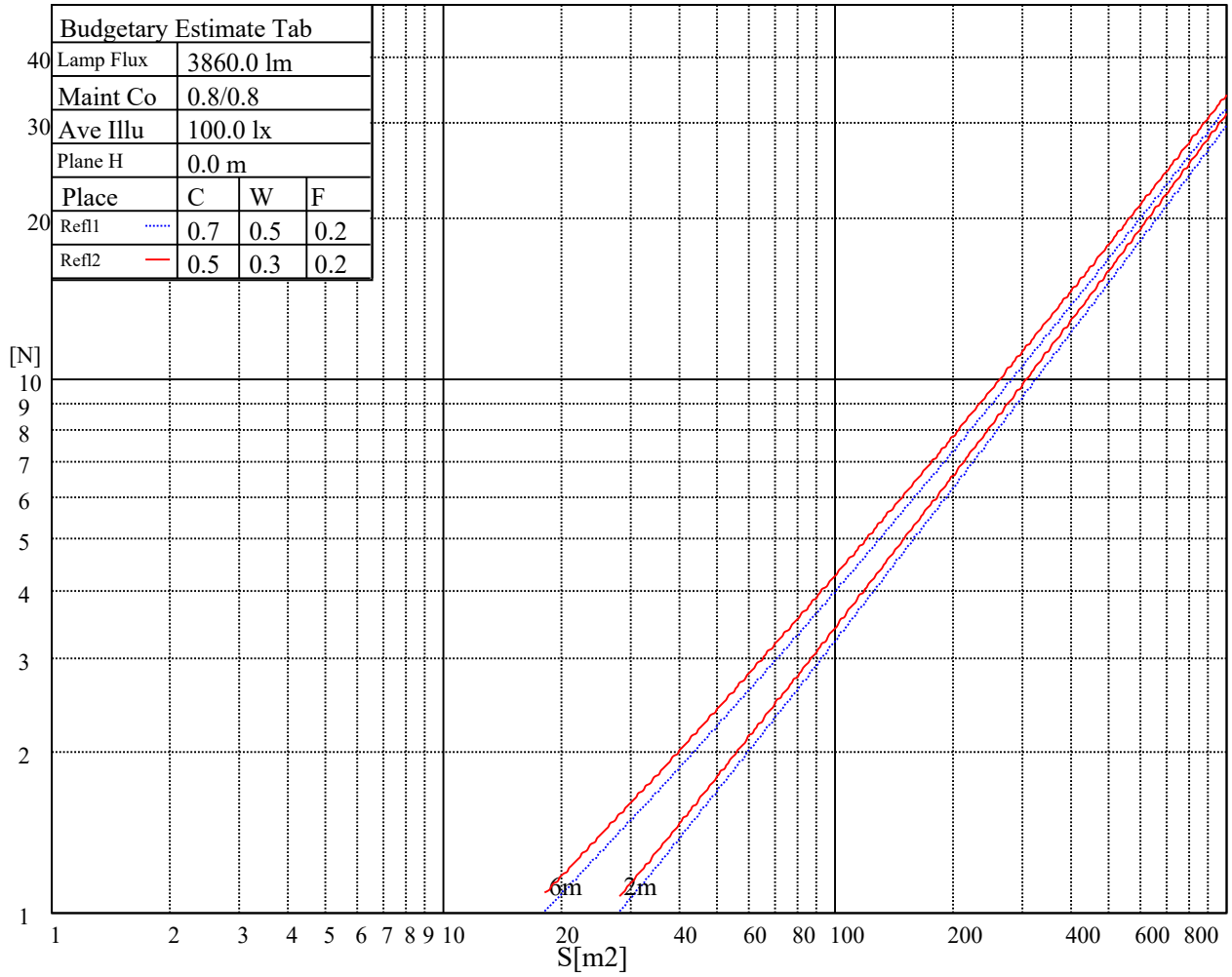
Date: 2025/5/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

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	18.01	18.93	18.38	19.24	19.55	17.63	18.54	17.99	18.85	19.17
	3H	17.80	18.61	18.18	18.95	19.29	17.41	18.22	17.80	18.56	18.91
	4H	17.69	18.44	18.09	18.79	19.16	17.30	18.05	17.70	18.41	18.77
	6H	17.59	18.27	18.01	18.65	19.05	17.21	17.89	17.63	18.27	18.67
	8H	17.51	18.16	17.94	18.55	18.96	17.13	17.78	17.55	18.17	18.57
	12H	17.44	18.05	17.87	18.45	18.87	17.06	17.67	17.48	18.07	18.48
4H	2H	17.69	18.44	18.09	18.79	19.16	17.30	18.05	17.70	18.41	18.77
	3H	17.43	18.06	17.86	18.45	18.87	17.05	17.67	17.47	18.07	18.48
	4H	17.35	17.88	17.79	18.31	18.76	16.96	17.50	17.40	17.92	18.37
	6H	17.20	17.67	17.67	18.12	18.58	16.81	17.28	17.29	17.74	18.19
	8H	17.13	17.57	17.62	18.03	18.51	16.75	17.19	17.24	17.65	18.12
	12H	17.08	17.48	17.57	17.93	18.46	16.69	17.10	17.18	17.55	18.07
8H	4H	17.13	17.57	17.62	18.03	18.51	16.75	17.19	17.24	17.65	18.12
	6H	16.97	17.33	17.48	17.81	18.32	16.58	16.94	17.09	17.42	17.93
	8H	16.95	17.25	17.49	17.77	18.27	16.57	16.86	17.10	17.38	17.88
	12H	16.89	17.11	17.44	17.63	18.16	16.51	16.73	17.05	17.25	17.77
12H	4H	17.08	17.48	17.57	17.93	18.46	16.69	17.09	17.18	17.55	18.07
	6H	16.95	17.25	17.49	17.77	18.27	16.56	16.86	17.10	17.38	17.88
	8H	16.89	17.11	17.44	17.63	18.16	16.51	16.73	17.05	17.25	17.77
Variation with the observer position at spacings:											
S = 1.0H		4.9/-18.4					4.8/-18.1				
S = 1.5H		7.7/-19.3					7.7/-18.8				
S = 2.0H		9.7/-20.3					9.6/-19.7				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.6					-1.2				

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

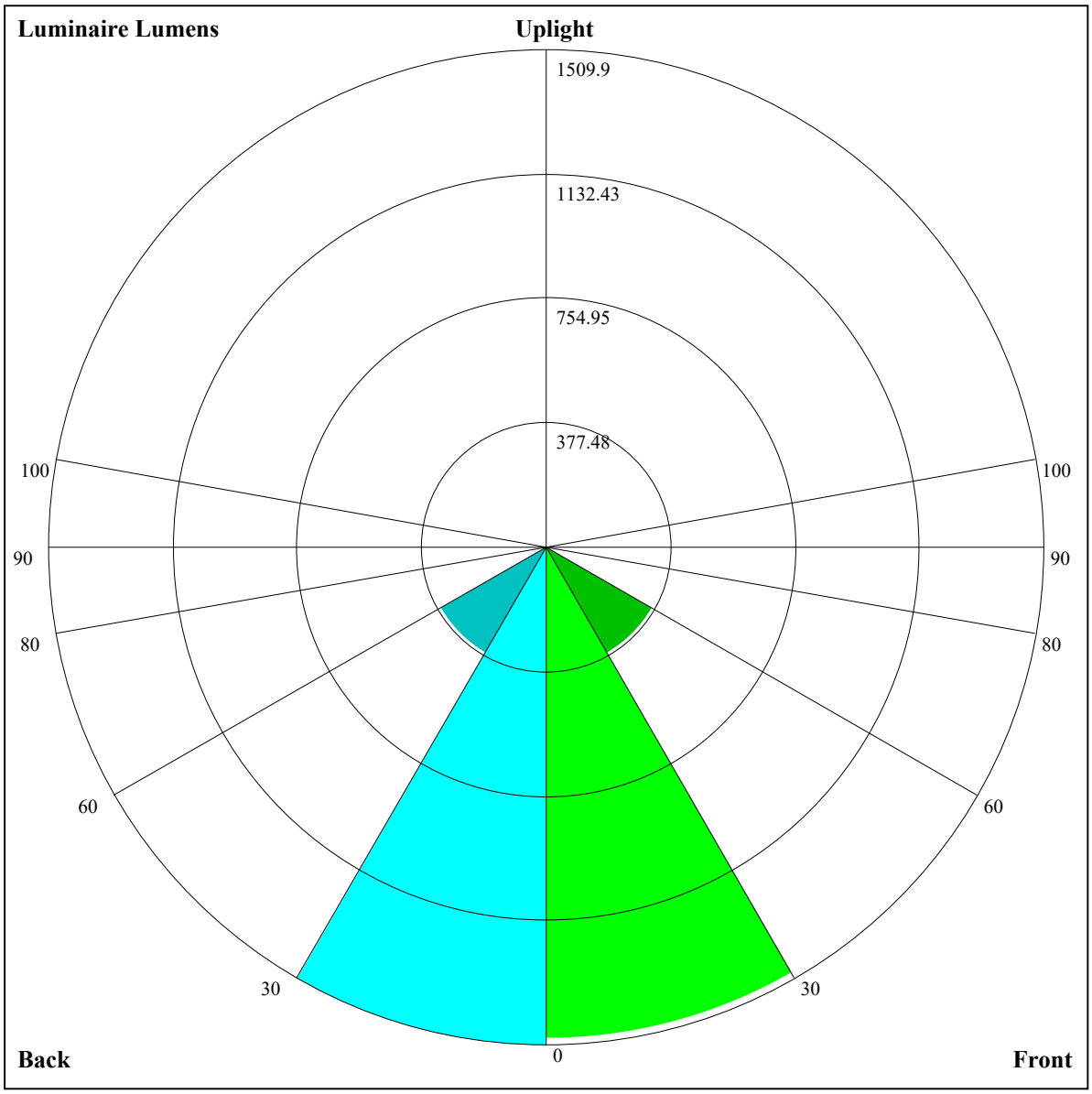
Budgetary Estimate Table



Equipment: GMS 1800 Date: 2025/5/13 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	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.97
1	1.09	1.07	1.05	1.07	1.05	1.03	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93
2	1.03	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.97	0.93	0.90	0.96	0.92	0.89	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.83
4	0.92	0.87	0.84	0.91	0.87	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.81	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
6	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.72
7	0.79	0.74	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.63
10	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60



Luminaire Lumens:
FL=1491.35,FM=370.16,FH=3.24,FVH=0.47
BL=1509.9,BM=368.52,BH=3.41,BVH=0.45
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	10612.33	10612.33	10504.68	10330.43	10087.96	9769.28	9465.53	9023.76	8515.37
45.0	10603.27	10653.36	10600.07	10472.18	10322.97	10077.83	9774.08	9406.38	8964.07
90.0	10613.40	10599.01	10472.71	10288.86	10074.10	9640.85	9275.82	8758.37	8164.72
135.0	10653.36	10632.05	10578.76	10472.18	10290.99	10019.21	9742.10	9203.88	8761.57
180.0	10612.33	10658.69	10610.73	10536.13	10397.57	10200.40	9928.62	9576.91	9155.91
225.0	10603.27	10603.27	10532.93	10389.58	10175.35	9895.05	9561.98	9172.43	8750.38
270.0	10613.40	11063.70	10632.05	10573.43	10477.51	10328.29	10120.46	9838.03	9480.98
315.0	10653.36	10600.61	10600.61	10540.39	10393.84	10168.42	9848.68	9434.09	8933.70
360.0	10612.33	10612.33	10504.68	10330.43	10087.96	9769.28	9465.53	9023.76	8515.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7956.89	7356.84	6741.88	6129.04	5529.00	4952.40	4412.57	3930.30	3496.52
45.0	8463.14	7930.24	7381.36	6805.83	6235.62	5670.75	5143.18	4626.26	4157.31
90.0	7526.84	6843.66	6147.16	5466.12	4811.18	4213.80	3679.83	3218.88	2835.72
135.0	8138.08	7450.63	6731.22	5979.83	5249.76	4556.99	3928.17	3373.95	2910.33
180.0	8686.96	8367.22	7573.20	7216.16	6597.99	5740.03	5372.32	4802.12	4274.55
225.0	8269.70	7746.93	7213.49	6661.94	6100.80	5778.39	5252.96	4549.53	4275.08
270.0	9033.35	8511.11	8164.72	7557.21	6640.63	6240.95	5580.16	4940.68	4349.16
315.0	8347.51	7961.15	7268.92	6530.32	5784.26	5055.78	4375.27	3764.03	3233.80
360.0	7956.89	7356.84	6741.88	6129.04	5529.00	4952.40	4412.57	3930.30	3496.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3118.69	2792.02	2515.98	2284.17	2091.26	1932.46	1801.36	1734.75	1601.52
45.0	3741.65	3373.95	3171.45	2761.11	2707.82	2707.82	2186.65	2017.19	1882.90
90.0	2514.91	2252.20	2042.23	1874.37	1739.55	1630.83	1542.91	1469.90	1434.73
135.0	2830.39	2675.85	2091.26	1828.54	1694.25	1627.10	1535.98	1465.10	1409.68
180.0	3800.27	3373.95	3016.91	2702.50	2702.50	2174.92	1992.67	1843.46	1718.76
225.0	3832.78	3451.22	3126.15	2804.81	2526.64	2303.89	2108.31	1932.46	1798.70
270.0	3816.26	3347.30	2942.30	2659.86	2659.86	2057.15	1883.96	1743.81	1674.00
315.0	2795.22	2445.64	2167.46	1950.57	1784.31	1658.54	1563.69	1486.95	1427.80
360.0	3118.69	2792.02	2515.98	2284.17	2091.26	1932.46	1801.36	1734.75	1601.52

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1555.69	1484.82	1403.82	1370.78	1326.02	1278.05	1239.15	1191.72	1033.45
45.0	1759.80	1657.48	1587.14	1510.93	1443.25	1373.44	1306.83	1255.14	1207.71
90.0	1363.32	1337.74	1299.37	1263.13	1225.30	1192.26	1166.15	1023.97	999.83
135.0	1361.72	1321.75	1285.51	1254.61	1225.83	1194.92	1165.61	1137.90	1088.87
180.0	1654.81	1534.38	1464.04	1427.80	1351.06	1321.22	1274.32	1231.69	1192.26
225.0	1679.33	1575.41	1490.15	1413.94	1346.80	1282.85	1226.36	1057.86	1057.86
270.0	1547.70	1474.16	1436.86	1362.25	1336.14	1293.51	1258.87	1219.97	1185.86
315.0	1378.24	1336.67	1308.43	1270.59	1246.61	1219.44	1189.59	1161.88	1026.47
360.0	1555.69	1484.82	1403.82	1370.78	1326.02	1278.05	1239.15	1191.72	1033.45

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1005.74	869.48	724.10	569.62	418.33	279.88	179.59	66.99	29.74
45.0	1114.99	1015.87	853.87	706.79	585.28	439.27	310.31	310.31	102.74
90.0	871.93	732.31	582.99	433.41	320.43	168.08	87.77	32.72	19.82
135.0	991.35	863.46	724.37	575.69	428.61	290.06	290.06	149.27	28.14
180.0	1132.57	1018.53	885.31	738.23	587.95	434.47	297.52	297.52	159.18
225.0	1009.37	876.62	740.41	587.63	445.24	315.16	197.60	108.23	61.39
270.0	1152.29	1075.02	954.58	817.63	670.55	517.07	372.66	293.25	293.25
315.0	1026.47	953.68	816.40	675.40	522.88	374.42	244.01	129.23	47.91
360.0	1005.74	869.48	724.10	569.62	418.33	279.88	179.59	66.99	29.74

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	24.09	18.60	16.36	14.02	12.90	12.04	11.30	10.71	10.23
45.0	65.76	53.82	45.35	38.95	33.31	28.51	23.87	21.42	16.84
90.0	16.04	13.70	11.78	10.87	10.34	9.81	9.38	9.01	8.63
135.0	17.37	13.00	10.98	9.49	8.69	8.37	7.89	7.41	7.09
180.0	33.09	26.17	21.64	18.44	15.56	14.34	13.54	12.95	12.36
225.0	49.29	41.19	35.65	30.59	26.70	24.46	19.50	16.79	15.72
270.0	46.20	23.82	18.70	14.55	12.79	11.30	10.55	10.02	9.43
315.0	16.36	14.28	10.02	8.85	8.21	7.67	7.30	6.87	6.50
360.0	24.09	18.60	16.36	14.02	12.90	12.04	11.30	10.71	10.23

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.81	9.43	9.01	8.69	8.37	8.05	7.62	7.14	6.66
45.0	14.97	14.12	12.68	11.72	10.76	10.02	9.33	8.58	7.89
90.0	8.26	7.99	7.62	7.25	6.87	6.50	6.08	5.81	5.28
135.0	6.87	6.61	6.45	6.18	5.97	5.86	5.54	5.33	5.12
180.0	11.88	11.40	11.08	10.71	10.28	9.81	9.33	8.79	8.15
225.0	14.60	13.59	12.74	12.04	11.30	10.55	9.86	9.11	8.37
270.0	8.90	8.37	8.05	7.73	7.35	7.03	6.77	6.45	6.02
315.0	6.23	6.02	5.76	5.65	5.49	5.33	5.12	4.96	4.64
360.0	9.81	9.43	9.01	8.69	8.37	8.05	7.62	7.14	6.66

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.34	5.60	5.01	4.74	4.05	3.52	3.04	2.61	2.24
45.0	7.19	6.61	6.02	5.49	4.90	4.37	3.84	3.46	3.09
90.0	4.90	4.58	3.89	3.57	3.09	2.72	2.34	2.08	1.81
135.0	4.85	4.53	4.16	3.73	3.30	2.88	2.45	2.18	1.97
180.0	7.46	6.87	6.18	5.76	4.74	4.37	3.68	3.14	2.61
225.0	7.62	6.98	6.29	5.54	5.01	4.53	3.94	3.41	3.09
270.0	5.60	5.22	4.80	4.37	4.10	3.57	2.98	2.72	2.29
315.0	4.37	4.10	3.89	3.52	3.25	2.72	2.45	2.24	2.03
360.0	6.34	5.60	5.01	4.74	4.05	3.52	3.04	2.61	2.24

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.97	1.76	1.60	1.44	1.28	1.23	1.12	1.07	0.96
45.0	2.77	2.50	2.34	2.18	2.08	1.97	1.87	1.81	1.76
90.0	1.71	1.55	1.33	1.28	1.17	1.12	1.01	0.91	0.91
135.0	1.87	1.71	1.60	1.55	1.44	1.33	1.33	1.28	1.23
180.0	2.24	1.92	1.65	1.49	1.33	1.17	1.12	1.07	0.96
225.0	2.72	2.40	2.24	2.13	2.03	1.92	1.81	1.71	1.65
270.0	2.03	1.81	1.71	1.49	1.39	1.33	1.23	1.12	1.07
315.0	1.81	1.65	1.60	1.55	1.44	1.33	1.28	1.23	1.12
360.0	1.97	1.76	1.60	1.44	1.28	1.23	1.12	1.07	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	0.91	0.85	0.85	0.80	0.80	0.75	0.64	0.64
45.0	1.60	1.49	1.39	1.23	1.07	0.91	0.80	0.75	0.59
90.0	0.85	0.80	0.80	0.75	0.69	0.69	0.64	0.64	0.48
135.0	1.12	1.12	1.12	1.07	1.07	0.91	0.80	0.69	0.69
180.0	0.85	0.80	0.75	0.80	0.69	0.69	0.69	0.59	0.53
225.0	1.49	1.39	1.28	1.07	0.85	0.80	0.64	0.53	0.48
270.0	1.01	0.96	0.85	0.80	0.75	0.75	0.75	0.59	0.59
315.0	1.07	1.07	1.07	1.07	0.96	0.96	0.80	0.69	0.69
360.0	0.96	0.91	0.85	0.85	0.80	0.80	0.75	0.64	0.64

Intensity data(cd)

C/γ(°)	90.0
0.0	0.64
45.0	0.59
90.0	0.48
135.0	0.48
180.0	0.53
225.0	0.43
270.0	0.59
315.0	0.69
360.0	0.64