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

NT

Client: NT
LumCAT: 1-1598-L
Luminaire: 92.70.410.00 LED HOLDER
Report No: 20250314-B003
Ballast type: AC

Test No: 20250314-C003	Voltage(V): 34.820
LampCAT: LUMILEDS LUXEON COB 1203	Current(A): 0.301
Lamp flux(lm): 1561.2	Power (W): 10.480
Number of Lamps: 1	PF: 0.000
Length(mm): 45	Width(mm): 45
Phm Type: C	Height(mm): 32

Photometric Results

Lumens(lm): 1467.95, Efficiency(%): 94.03% , Luminous Efficacy(lm/W): 140.07
Central intensity(cd): 3635.604, Maximum intensity(cd): 3648.393
Angle of maximum intensity: C=90.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.6
[C90/270]Total=36.9
Field angle(10%Imax): [C0/180]Total=61.1
[C90/270]Total=60.7
Maximum s/h(1/2): C0_180=0.70 C90_270=0.61
Maximum s/h(1/4): C0_180=0.65 C90_270=0.56
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.89%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 100.063%

Equipment: GMS 1800	Date: 2025/3/14	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3639.867	0.000	0	0.00%	0.00%
1.0	3636.869	3.482	3.482	0.22%	0.24%
2.0	3629.275	10.429	13.911	0.67%	0.95%
3.0	3622.215	17.343	31.254	1.11%	2.13%
4.0	3600.299	24.176	55.43	1.55%	3.78%
5.0	3565.927	30.829	86.259	1.97%	5.88%
6.0	3516.700	37.221	123.48	2.38%	8.41%
7.0	3453.951	43.267	166.747	2.77%	11.36%
8.0	3372.151	48.853	215.6	3.13%	14.69%
9.0	3276.829	53.886	269.486	3.45%	18.36%
10.0	3165.852	58.304	327.79	3.73%	22.33%
11.0	3038.756	61.997	389.787	3.97%	26.55%
12.0	2900.402	64.923	454.71	4.16%	30.98%
13.0	2749.791	67.054	521.764	4.30%	35.54%
14.0	2590.254	68.352	590.116	4.38%	40.20%
15.0	2425.188	68.854	658.97	4.41%	44.89%
16.0	2243.802	68.414	727.384	4.38%	49.55%
17.0	2064.015	67.084	794.468	4.30%	54.12%
18.0	1886.759	65.140	859.608	4.17%	58.56%
19.0	1717.830	62.712	922.32	4.02%	62.83%
20.0	1512.903	59.131	981.452	3.79%	66.86%
21.0	1365.956	55.280	1036.732	3.54%	70.62%
22.0	1189.699	51.357	1088.089	3.29%	74.12%
23.0	1091.899	47.874	1135.963	3.07%	77.38%
24.0	964.003	44.949	1180.912	2.88%	80.45%
25.0	845.146	41.136	1222.048	2.63%	83.25%
26.0	746.067	37.561	1259.609	2.41%	85.81%
27.0	648.339	34.114	1293.723	2.19%	88.13%
28.0	560.837	30.614	1324.337	1.96%	90.22%
29.0	477.512	27.166	1351.503	1.74%	92.07%
30.0	400.175	23.697	1375.201	1.52%	93.68%
31.0	328.280	20.272	1395.473	1.30%	95.06%
32.0	273.145	17.230	1412.703	1.10%	96.24%
33.0	215.864	14.406	1427.109	0.92%	97.22%
34.0	145.881	10.947	1438.057	0.70%	97.96%
35.0	116.778	8.157	1446.214	0.52%	98.52%
36.0	62.443	5.706	1451.92	0.37%	98.91%
37.0	40.500	3.357	1455.278	0.22%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	25.746	2.211	1457.489	0.14%	99.29%
39.0	17.999	1.493	1458.982	0.10%	99.39%
40.0	13.522	1.099	1460.081	0.07%	99.46%
41.0	11.064	0.876	1460.957	0.06%	99.52%
42.0	8.939	0.727	1461.684	0.05%	99.57%
43.0	7.654	0.615	1462.298	0.04%	99.61%
44.0	6.455	0.532	1462.831	0.03%	99.65%
45.0	5.396	0.455	1463.286	0.03%	99.68%
46.0	4.829	0.400	1463.686	0.03%	99.71%
47.0	4.336	0.365	1464.051	0.02%	99.73%
48.0	3.897	0.333	1464.383	0.02%	99.76%
49.0	3.484	0.303	1464.686	0.02%	99.78%
50.0	3.137	0.276	1464.963	0.02%	99.80%
51.0	2.798	0.251	1465.214	0.02%	99.81%
52.0	2.498	0.227	1465.441	0.01%	99.83%
53.0	2.258	0.207	1465.648	0.01%	99.84%
54.0	2.032	0.189	1465.837	0.01%	99.86%
55.0	1.852	0.173	1466.01	0.01%	99.87%
56.0	1.692	0.160	1466.17	0.01%	99.88%
57.0	1.545	0.148	1466.318	0.01%	99.89%
58.0	1.426	0.137	1466.456	0.01%	99.90%
59.0	1.286	0.127	1466.583	0.01%	99.91%
60.0	1.159	0.115	1466.698	0.01%	99.91%
61.0	1.086	0.107	1466.805	0.01%	99.92%
62.0	0.973	0.099	1466.904	0.01%	99.93%
63.0	0.866	0.089	1466.994	0.01%	99.93%
64.0	0.793	0.081	1467.075	0.01%	99.94%
65.0	0.726	0.075	1467.15	0.00%	99.95%
66.0	0.653	0.069	1467.219	0.00%	99.95%
67.0	0.606	0.063	1467.282	0.00%	99.95%
68.0	0.546	0.058	1467.341	0.00%	99.96%
69.0	0.520	0.054	1467.395	0.00%	99.96%
70.0	0.480	0.051	1467.446	0.00%	99.97%
71.0	0.413	0.046	1467.493	0.00%	99.97%
72.0	0.406	0.043	1467.535	0.00%	99.97%
73.0	0.386	0.041	1467.577	0.00%	99.97%
74.0	0.346	0.039	1467.615	0.00%	99.98%
75.0	0.306	0.034	1467.65	0.00%	99.98%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.293	0.032	1467.681	0.00%	99.98%
77.0	0.280	0.031	1467.712	0.00%	99.98%
78.0	0.253	0.029	1467.741	0.00%	99.99%
79.0	0.220	0.025	1467.766	0.00%	99.99%
80.0	0.193	0.022	1467.788	0.00%	99.99%
81.0	0.206	0.022	1467.81	0.00%	99.99%
82.0	0.187	0.021	1467.831	0.00%	99.99%
83.0	0.167	0.019	1467.85	0.00%	99.99%
84.0	0.160	0.018	1467.868	0.00%	99.99%
85.0	0.147	0.017	1467.885	0.00%	100.00%
86.0	0.140	0.016	1467.901	0.00%	100.00%
87.0	0.133	0.015	1467.915	0.00%	100.00%
88.0	0.113	0.014	1467.929	0.00%	100.00%
89.0	0.107	0.012	1467.941	0.00%	100.00%
90.0	0.107	0.012	1467.953	0.00%	100.00%

Zonal flux distribution table

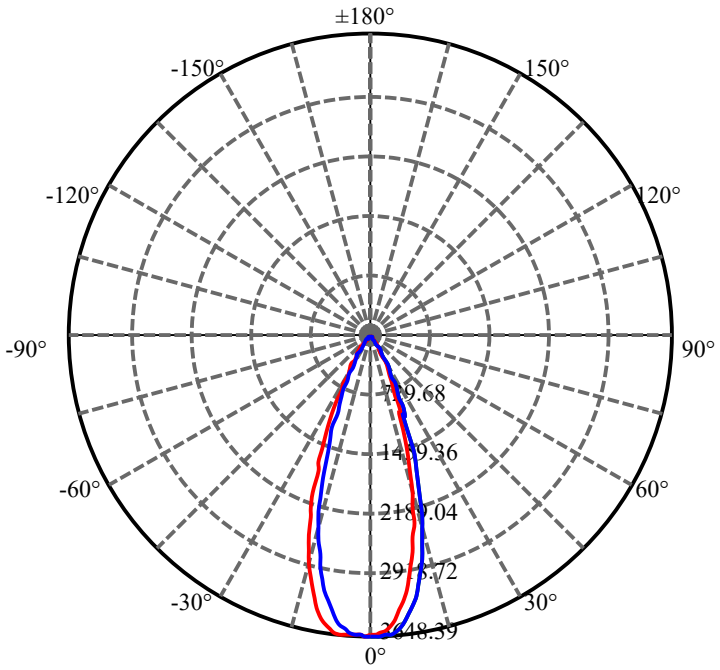
ZONAL LUMEN SUMMARY

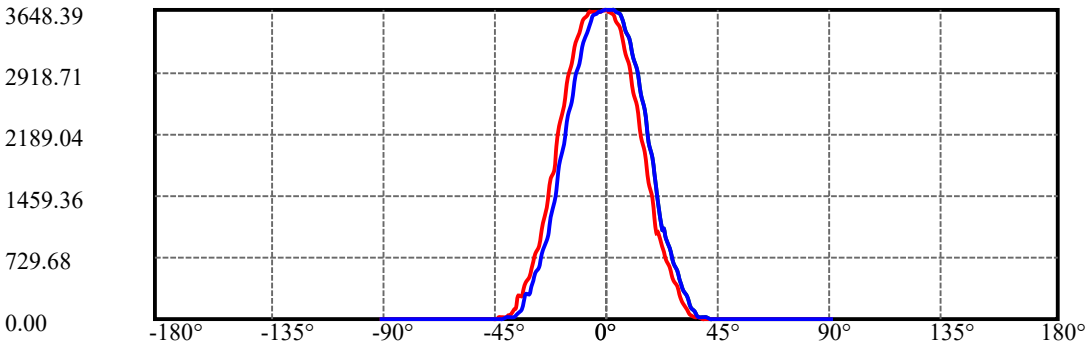
Zone	Lumens	%Lamp	%Fixt
0-30	1375.20	88.09%	93.68%
0-40	1460.08	93.52%	99.46%
0-60	1466.70	93.95%	99.91%
0-90	1467.94	94.03%	100.00%
0-120	1467.94	94.03%	100.00%
0-180	1467.95	94.03%	100.00%
60-90	1.24	0.08%	0.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-23.85	1174.36	75.22%	80.00%

ZONAL LUMEN SUMMARY

0-10	327.79
10-20	653.66
20-30	393.75
30-40	84.88
40-50	4.88
50-60	1.74
60-70	0.75
70-80	0.34
80-90	0.15
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:

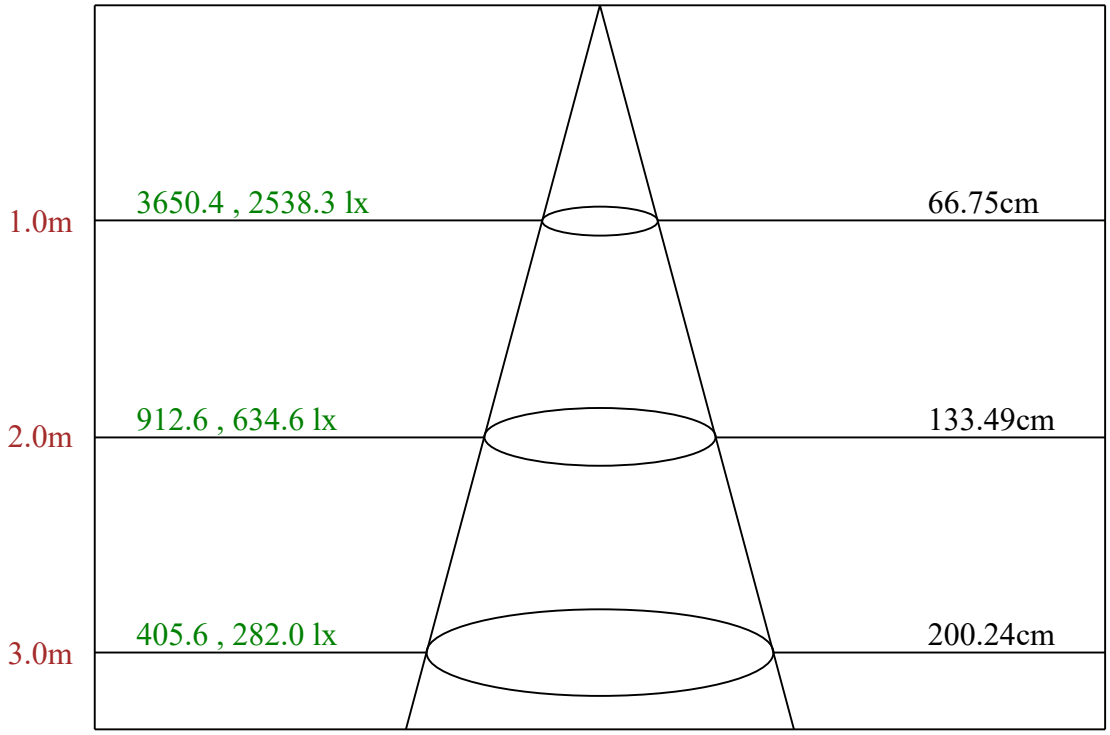
Field angle(10%Imax):C0/180Left:31.9 Right:29.2

:C90/270Left:31.1 Right:29.6

Beam Angle(50%Imax):C0/180Left:19.8 Right:16.8

:C90/270Left:19.4 Right:17.5

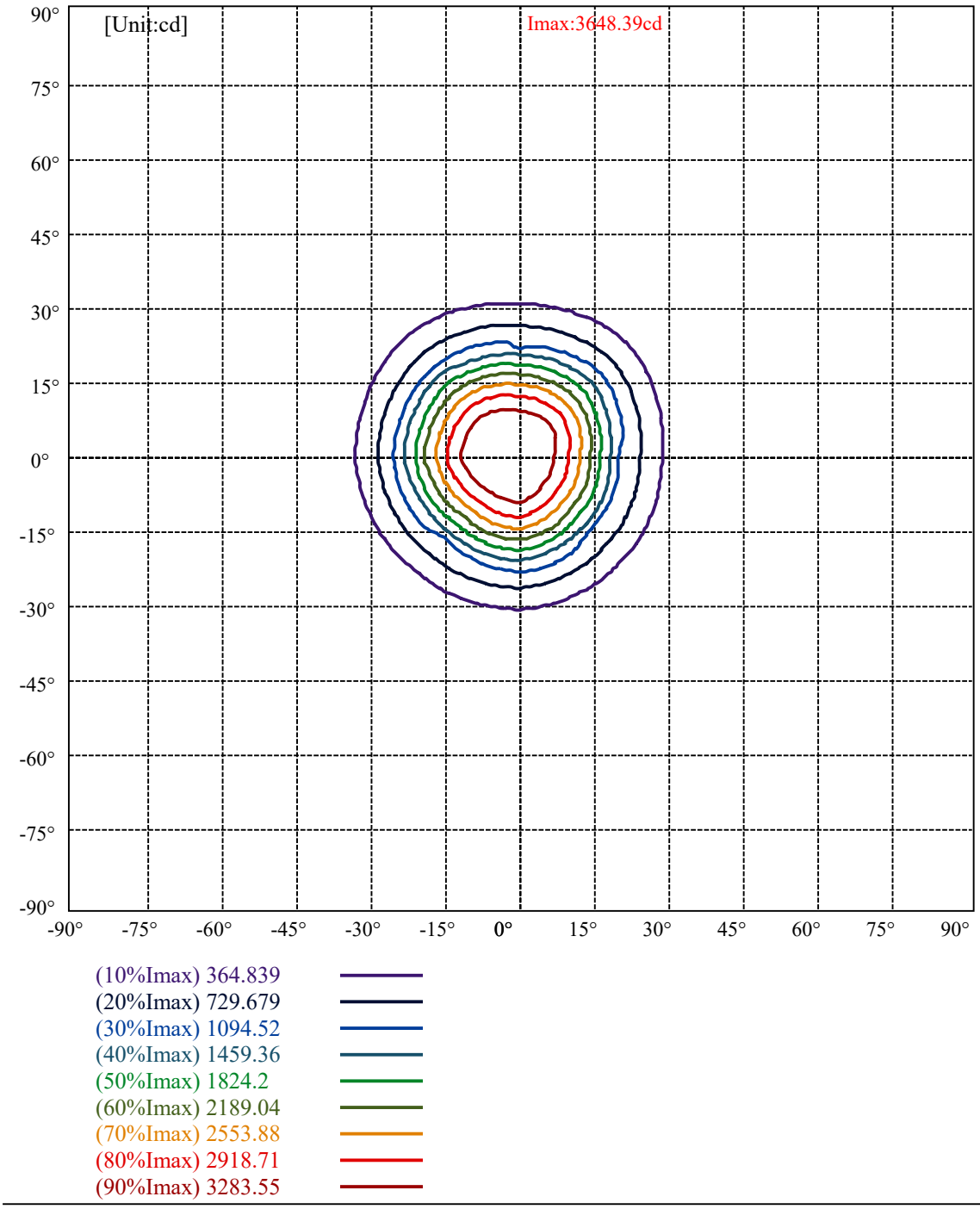
Lux distance Curve



Max , Ave

Beam angle of C90 plane 36.91

ISO-Intensity(V-H)



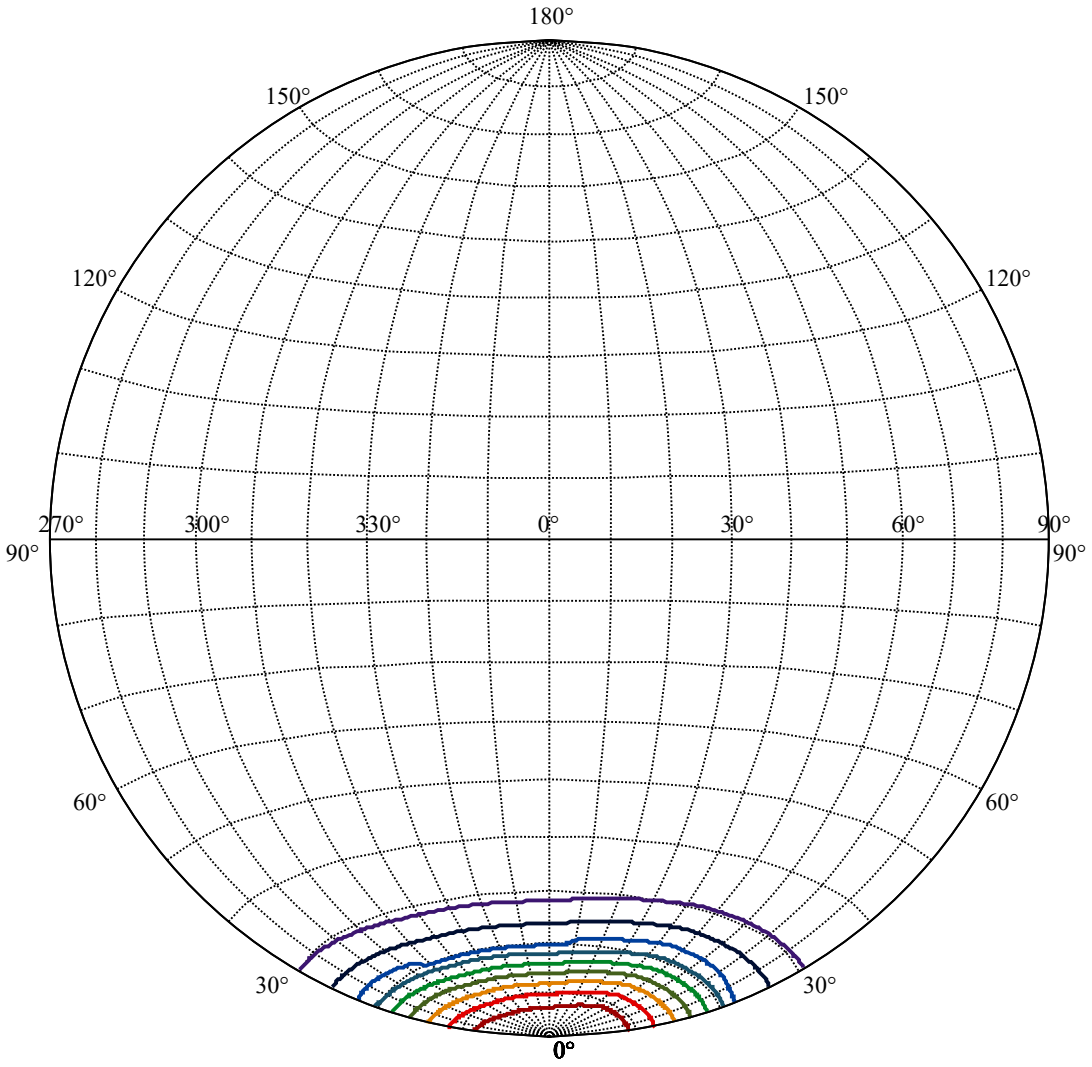
(10%Imax) 364.839
(20%Imax) 729.679
(30%Imax) 1094.52
(40%Imax) 1459.36
(50%Imax) 1824.2
(60%Imax) 2189.04
(70%Imax) 2553.88
(80%Imax) 2918.71
(90%Imax) 3283.55

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



[Unit:cd]

Imax:3648.39

(10%Imax) 365.036
(20%Imax) 730.073
(30%Imax) 1095.11
(40%Imax) 1460.15
(50%Imax) 1825.18
(60%Imax) 2190.22
(70%Imax) 2555.26
(80%Imax) 2920.29
(90%Imax) 3285.33

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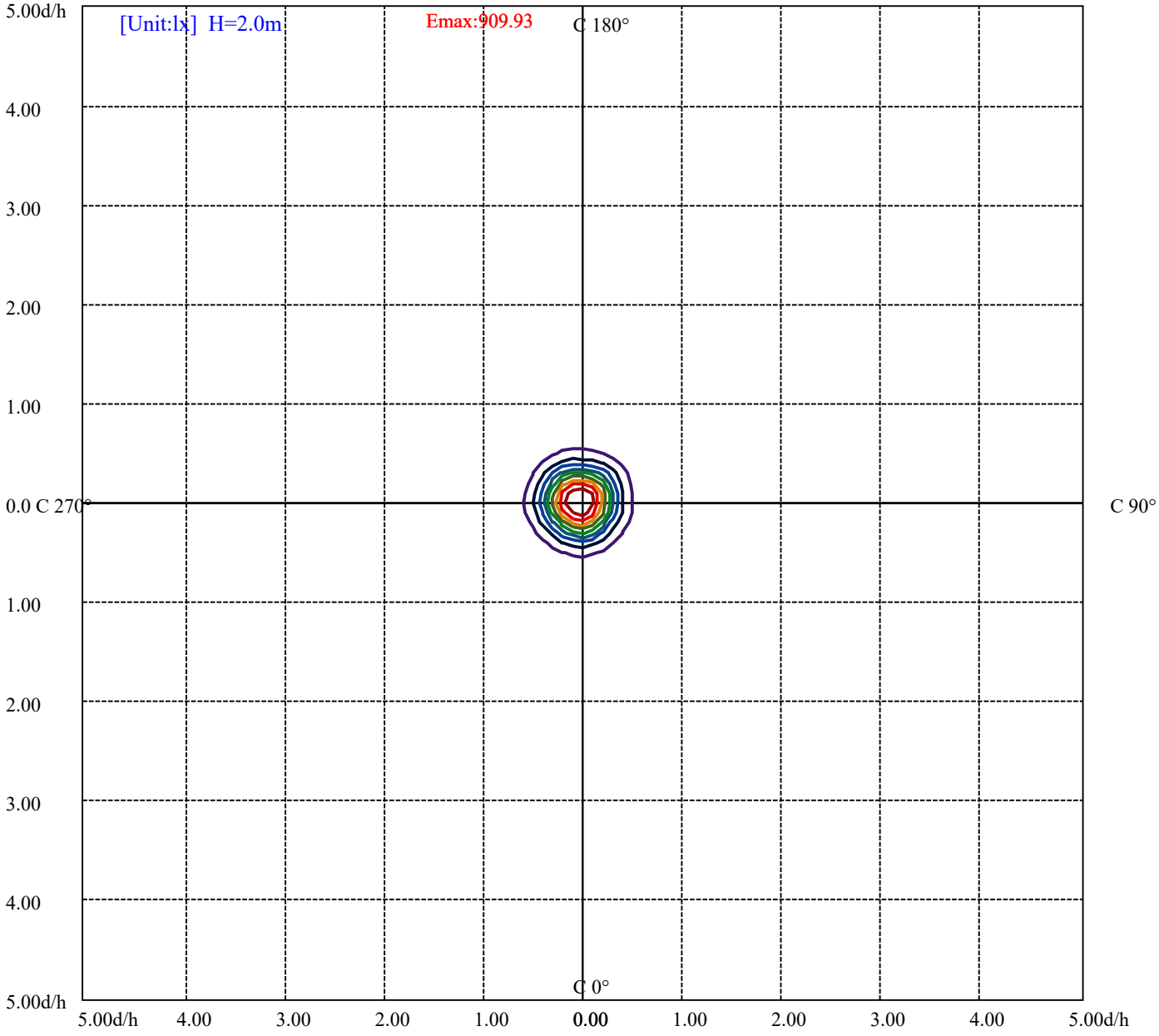
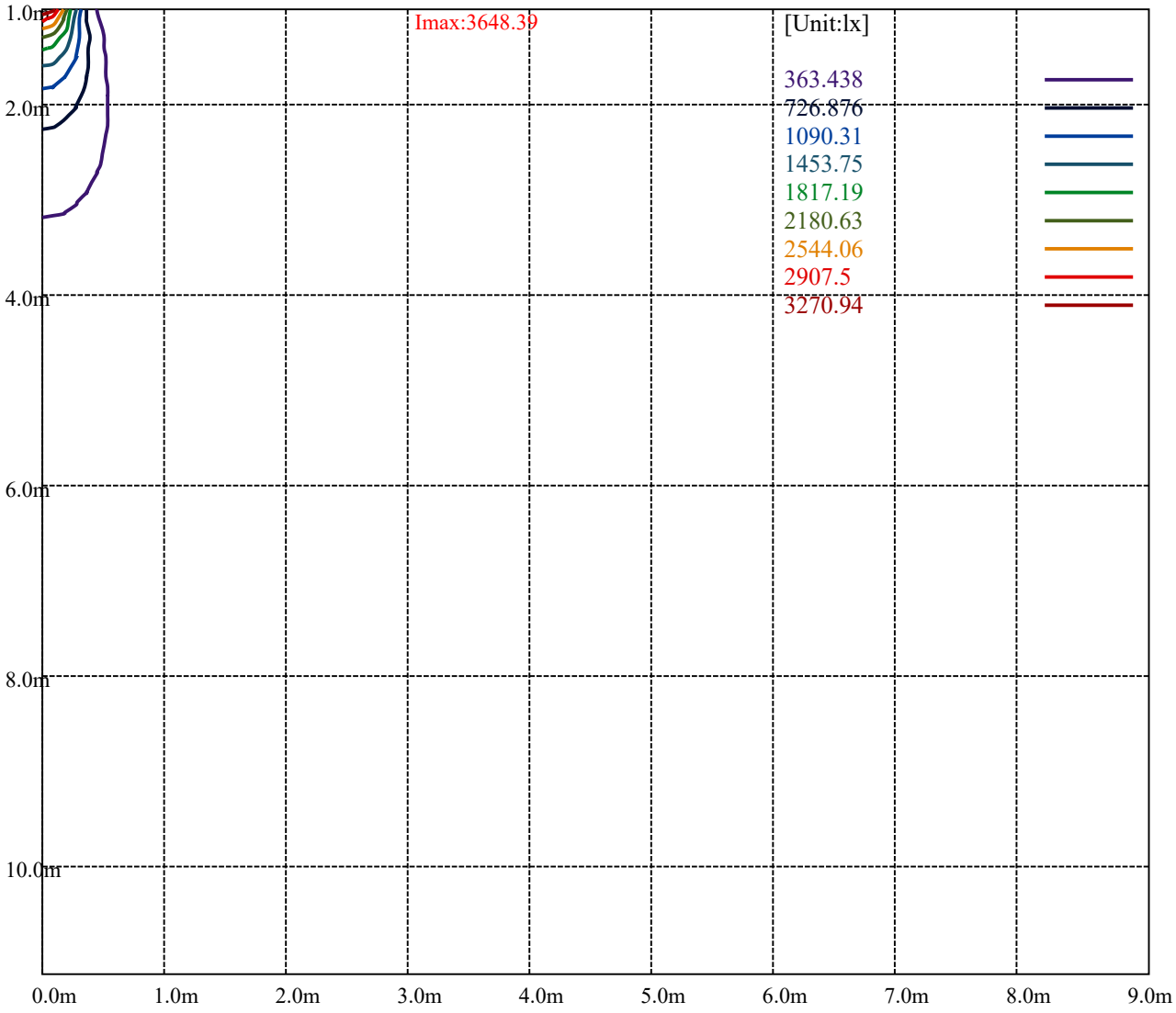
ISO illuminance diagram



(10%Emax) 90.99275
(20%Emax) 181.9855
(30%Emax) 272.9775
(40%Emax) 363.97
(50%Emax) 454.9625
(60%Emax) 545.955
(70%Emax) 636.95
(80%Emax) 727.9425
(90%Emax) 818.935

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/3/14
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 1-1598-L

Luminance Limitting Curve(no luminous side)

Luminance Table

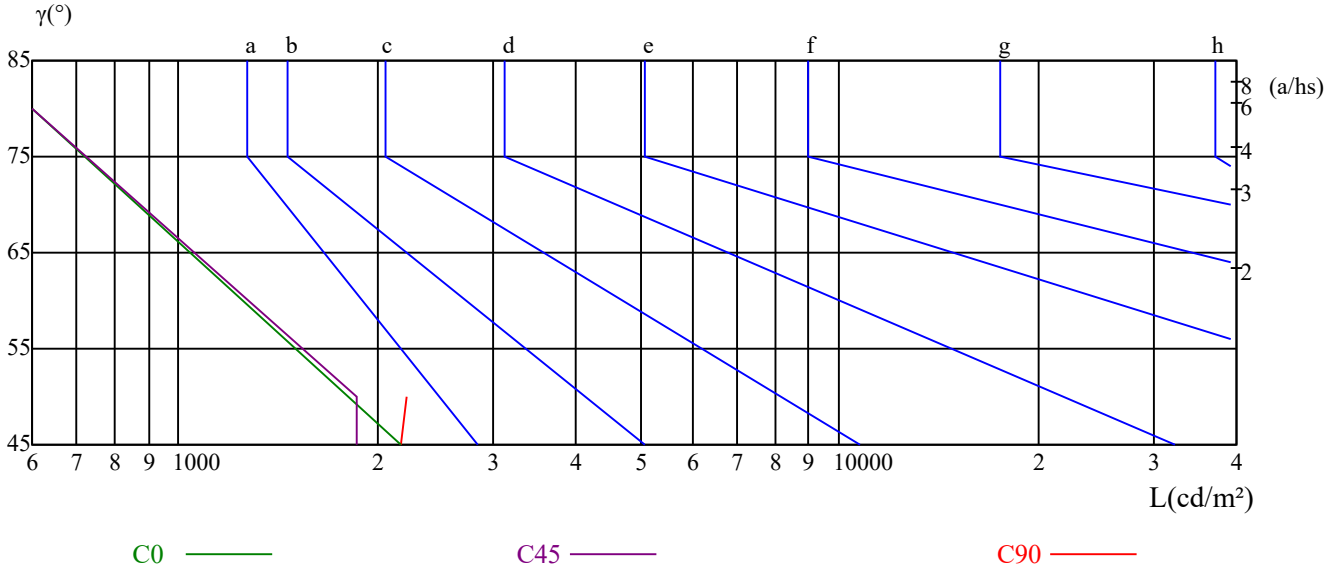
γ	45	50	55	60	65	70	75	80	85
C0	2175	0	0	0	0	0	0	120	0
C45	1856	1862	0	0	0	0	0	90	0
C90	2175	2216	0	0	0	0	0	0	0

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: 2025/3/14
Humidity(%): 60.0%

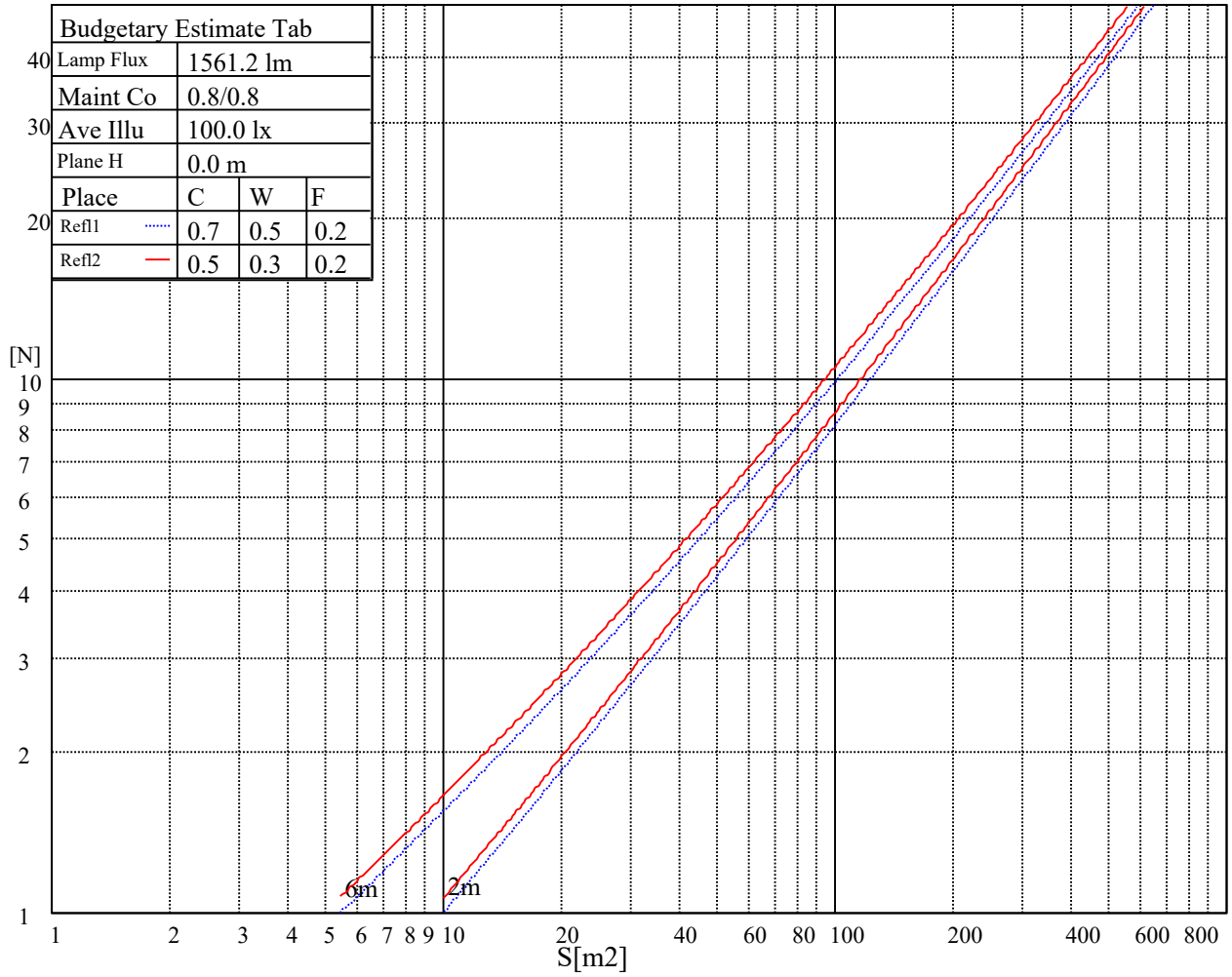
Operator: NT
Distance(m): 7.30

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	8.65	9.54	9.02	9.85	10.16	12.21	13.09	12.57	13.40	13.72
	3H	8.44	9.22	8.82	9.56	9.90	11.99	12.77	12.38	13.11	13.46
	4H	8.33	9.05	8.73	9.40	9.77	11.88	12.60	12.28	12.95	13.32
	6H	8.23	8.89	8.65	9.27	9.67	11.78	12.44	12.20	12.82	13.22
	8H	8.15	8.78	8.58	9.17	9.57	11.70	12.33	12.12	12.71	13.12
	12H	8.08	8.67	8.51	9.07	9.49	11.63	12.22	12.05	12.61	13.03
4H	2H	8.32	9.04	8.72	9.40	9.77	11.87	12.60	12.28	12.95	13.32
	3H	8.06	8.67	8.49	9.07	9.48	11.61	12.22	12.04	12.61	13.03
	4H	7.98	8.50	8.42	8.93	9.38	11.52	12.04	11.96	12.47	12.92
	6H	7.83	8.29	8.31	8.75	9.20	11.37	11.83	11.85	12.29	12.74
	8H	7.77	8.19	8.26	8.65	9.13	11.31	11.73	11.80	12.19	12.67
	12H	7.72	8.10	8.21	8.56	9.08	11.25	11.64	11.75	12.10	12.62
8H	4H	7.77	8.19	8.26	8.65	9.13	11.31	11.73	11.80	12.19	12.67
	6H	7.61	7.95	8.12	8.43	8.95	11.14	11.49	11.65	11.97	12.48
	8H	7.59	7.87	8.13	8.40	8.90	11.12	11.41	11.66	11.93	12.43
	12H	7.53	7.74	8.08	8.26	8.79	11.07	11.28	11.61	11.80	12.32
12H	4H	7.71	8.10	8.20	8.55	9.08	11.25	11.64	11.74	12.09	12.62
	6H	7.59	7.87	8.12	8.39	8.89	11.12	11.41	11.66	11.93	12.43
	8H	7.53	7.74	8.08	8.26	8.79	11.07	11.28	11.61	11.79	12.32

Variation with the observer position at spacings:		
S = 1.0H	7.0/-17.5	6.9/-14.7
S = 1.5H	9.8/-18.6	9.7/-15.8
S = 2.0H	11.8/-18.9	11.6/-16.1
Standard tables:	BK0	BK0
Uncorrected UGR	-7.0	-10.6

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

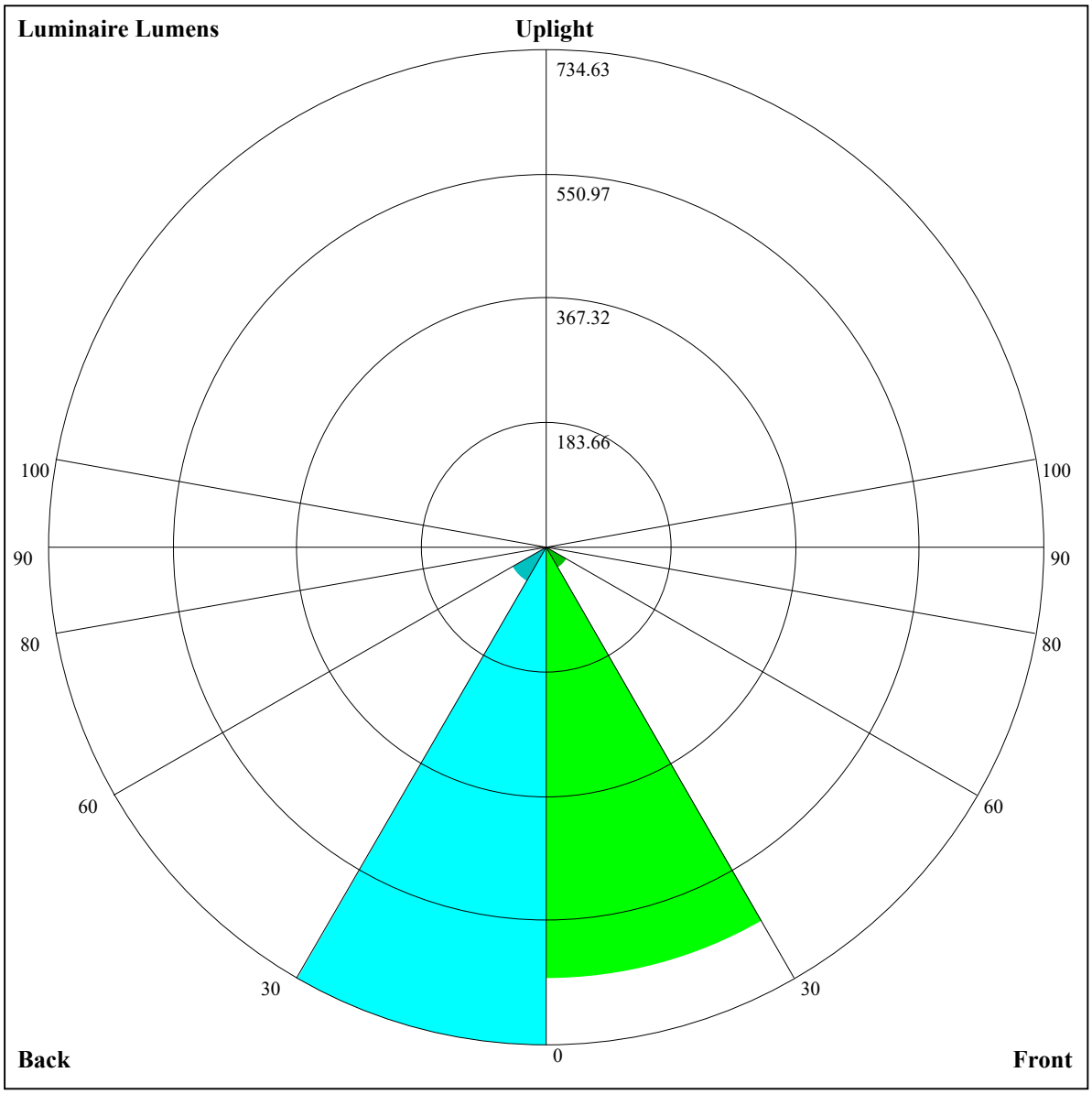
Budgetary Estimate Table



Equipment: GMS 1800 Date: 2025/3/14 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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.90
2	1.00	0.97	0.94	0.98	0.96	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.88	0.86
3	0.95	0.91	0.88	0.94	0.90	0.88	0.91	0.89	0.86	0.89	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.87	0.83	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	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	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.66	0.63	0.62



Luminaire Lumens:
FL=636.88,FM=35.65,FH=0.51,FVH=0.08
BL=734.63,BM=58.09,BH=0.58,BVH=0.08
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	3635.60	3629.21	3594.57	3576.98	3521.56	3441.10	3346.77	3244.99	3125.09
45.0	3637.20	3639.87	3638.27	3632.41	3610.02	3580.18	3531.69	3459.21	3372.35
90.0	3648.39	3647.86	3642.00	3638.27	3628.68	3603.63	3561.00	3496.52	3408.59
135.0	3638.27	3639.33	3642.53	3647.33	3644.13	3637.20	3629.21	3615.35	3577.52
180.0	3635.60	3637.74	3630.81	3634.54	3634.54	3634.54	3635.60	3621.75	3587.11
225.0	3637.20	3629.21	3628.68	3627.08	3607.89	3581.78	3532.22	3468.81	3384.61
270.0	3648.39	3638.27	3632.94	3626.54	3612.16	3578.05	3522.10	3455.48	3366.49
315.0	3638.27	3633.47	3624.41	3594.57	3543.41	3470.94	3375.02	3269.50	3155.46
360.0	3635.60	3629.21	3594.57	3576.98	3521.56	3441.10	3346.77	3244.99	3125.09

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2991.33	2838.39	2675.32	2505.86	2327.33	2146.68	1964.96	1782.71	1609.52
45.0	3276.43	3167.72	3040.35	2901.27	2745.13	2576.73	2398.21	2212.76	2029.44
90.0	3310.00	3202.89	3079.79	2943.90	2798.95	2640.15	2464.82	2280.97	2095.52
135.0	3517.30	3433.63	3331.32	3223.67	3097.37	2957.75	2808.54	2643.34	2469.09
180.0	3538.08	3464.01	3371.82	3264.17	3148.00	3016.91	2863.43	2697.17	2518.65
225.0	3295.08	3186.90	3056.87	2916.72	2752.59	2588.99	2407.80	2229.28	2044.36
270.0	3256.71	3145.34	3016.37	2876.22	2728.07	2568.74	2406.20	2234.61	2057.69
315.0	3029.70	2887.94	2738.20	2571.40	2400.87	2226.08	2087.53	1869.57	1687.85
360.0	2991.33	2838.39	2675.32	2505.86	2327.33	2146.68	1964.96	1782.71	1609.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1434.73	1199.18	1011.66	1011.66	853.76	798.02	709.18	615.87	531.41
45.0	1846.66	1740.08	1563.69	1329.21	1232.22	1083.55	956.18	850.14	756.34
90.0	1908.47	1724.62	1543.44	1366.52	1054.34	1054.34	949.63	840.28	745.26
135.0	2284.17	2096.59	1913.27	1728.89	1550.37	1441.12	1192.26	1036.12	952.99
180.0	2333.20	2222.35	2035.84	1774.72	1664.41	1485.89	1306.83	1136.84	988.16
225.0	1862.11	1683.06	1507.73	1326.55	1019.44	1019.44	941.21	829.51	727.67
270.0	1878.63	1737.41	1518.39	1380.90	1209.84	1029.72	926.87	816.03	716.38
315.0	1546.10	1339.34	1009.21	1009.21	933.21	823.12	729.86	636.39	550.33
360.0	1434.73	1199.18	1011.66	1011.66	853.76	798.02	709.18	615.87	531.41

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	450.73	378.31	303.54	237.03	175.43	117.40	70.93	36.82	19.56
45.0	664.15	575.69	492.03	415.29	341.75	298.05	298.05	150.97	90.81
90.0	655.09	568.60	486.91	410.60	336.42	264.53	199.36	139.89	88.04
135.0	835.21	735.56	640.71	555.44	479.77	405.70	334.82	278.87	278.87
180.0	868.25	767.00	670.55	578.36	501.62	423.82	356.14	283.13	283.13
225.0	623.81	536.10	455.04	378.09	305.46	239.43	179.48	122.62	76.63
270.0	622.59	533.59	452.59	375.32	300.18	285.79	209.16	111.11	66.61
315.0	466.87	391.84	318.73	251.26	185.61	150.44	78.98	43.64	30.59
360.0	450.73	378.31	303.54	237.03	175.43	117.40	70.93	36.82	19.56

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	15.56	12.68	9.91	8.69	6.29	5.86	5.33	4.53	4.26
45.0	54.78	27.71	17.53	15.03	12.10	9.38	7.14	6.29	5.60
90.0	48.60	24.51	18.44	16.79	13.86	10.07	8.26	6.23	5.49
135.0	129.92	80.79	57.02	24.89	20.62	18.92	14.65	12.95	9.91
180.0	144.04	112.50	53.08	36.77	22.59	17.91	15.93	13.16	10.34
225.0	41.57	23.98	19.29	16.73	13.06	10.28	7.83	6.98	6.18
270.0	47.06	26.86	18.39	15.51	12.68	10.18	7.09	6.29	5.60
315.0	18.01	14.97	12.31	9.59	6.98	5.92	5.28	4.80	4.26
360.0	15.56	12.68	9.91	8.69	6.29	5.86	5.33	4.53	4.26

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	3.84	3.46	3.09	2.72	2.40	2.18	1.97	1.81	1.71
45.0	5.06	4.53	4.05	3.68	3.25	2.93	2.56	2.34	2.13
90.0	4.96	4.48	4.00	3.57	3.25	2.93	2.56	2.18	1.97
135.0	7.83	6.93	6.18	5.54	4.96	4.48	4.05	3.57	3.20
180.0	7.25	6.55	5.92	5.33	4.74	4.37	4.00	3.62	3.20
225.0	5.49	4.85	4.37	3.94	3.57	3.14	2.77	2.40	2.18
270.0	4.96	4.42	4.00	3.68	3.30	2.93	2.50	2.24	2.08
315.0	3.78	3.41	3.09	2.72	2.40	2.13	1.97	1.81	1.60
360.0	3.84	3.46	3.09	2.72	2.40	2.18	1.97	1.81	1.71

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1.55	1.39	1.28	1.17	1.07	0.96	0.91	0.85	0.75
45.0	1.92	1.81	1.71	1.49	1.44	1.28	1.17	1.07	1.01
90.0	1.87	1.71	1.55	1.39	1.28	1.23	1.07	1.07	0.91
135.0	2.72	2.45	2.18	2.08	1.87	1.71	1.44	1.33	1.23
180.0	2.77	2.50	2.29	2.13	2.03	1.71	1.65	1.49	1.28
225.0	2.08	1.87	1.65	1.49	1.39	1.28	1.07	1.07	0.91
270.0	1.87	1.71	1.55	1.44	1.33	1.17	1.07	1.01	0.96
315.0	1.49	1.39	1.33	1.17	1.01	0.96	0.91	0.80	0.75
360.0	1.55	1.39	1.28	1.17	1.07	0.96	0.91	0.85	0.75

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.69	0.69	0.59	0.59	0.53	0.43	0.48	0.43	0.37
45.0	0.91	0.80	0.75	0.69	0.64	0.59	0.53	0.53	0.43
90.0	0.85	0.80	0.75	0.64	0.59	0.53	0.53	0.48	0.43
135.0	1.01	0.96	0.85	0.75	0.69	0.64	0.59	0.53	0.48
180.0	1.12	0.96	0.85	0.75	0.69	0.69	0.59	0.53	0.48
225.0	0.85	0.75	0.75	0.64	0.59	0.53	0.53	0.48	0.37
270.0	0.85	0.75	0.69	0.64	0.64	0.53	0.48	0.48	0.43
315.0	0.64	0.64	0.59	0.53	0.48	0.43	0.43	0.37	0.32
360.0	0.69	0.69	0.59	0.59	0.53	0.43	0.48	0.43	0.37

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.37	0.37	0.32	0.27	0.27	0.27	0.21	0.21	0.21
45.0	0.43	0.43	0.37	0.32	0.32	0.27	0.27	0.27	0.21
90.0	0.37	0.43	0.37	0.32	0.27	0.32	0.32	0.21	0.16
135.0	0.43	0.37	0.37	0.32	0.32	0.32	0.27	0.21	0.21
180.0	0.48	0.48	0.37	0.37	0.37	0.32	0.27	0.27	0.21
225.0	0.43	0.37	0.37	0.32	0.27	0.27	0.27	0.21	0.16
270.0	0.43	0.37	0.32	0.32	0.27	0.27	0.27	0.21	0.21
315.0	0.32	0.27	0.27	0.21	0.27	0.21	0.16	0.16	0.16
360.0	0.37	0.37	0.32	0.27	0.27	0.27	0.21	0.21	0.21

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.21	0.16	0.16	0.16	0.16	0.16	0.11	0.11	0.16
45.0	0.27	0.16	0.21	0.16	0.21	0.16	0.16	0.11	0.11
90.0	0.21	0.21	0.16	0.16	0.16	0.16	0.16	0.11	0.11
135.0	0.27	0.21	0.16	0.21	0.16	0.16	0.11	0.16	0.11
180.0	0.27	0.21	0.16	0.16	0.16	0.16	0.16	0.16	0.11
225.0	0.16	0.21	0.16	0.16	0.11	0.11	0.16	0.11	0.11
270.0	0.16	0.16	0.16	0.16	0.11	0.16	0.11	0.11	0.11
315.0	0.11	0.16	0.16	0.11	0.11	0.05	0.11	0.05	0.05
360.0	0.21	0.16	0.16	0.16	0.16	0.16	0.11	0.11	0.16

Intensity data(cd)

C/γ(°)	90.0
0.0	0.11
45.0	0.16
90.0	0.11
135.0	0.11
180.0	0.11
225.0	0.11
270.0	0.11
315.0	0.05
360.0	0.11