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

NT

Client: NT
LumCAT: 4-2756-A
Luminaire: 92.70.445.00 LED HOLDER
Report No: 20250408-B001
Ballast type: AC

Test No: 20250408-C001	Voltage(V): 35.300
LampCAT: BRIDGELUX V18	Current(A): 0.897
Lamp flux(lm): 4283.7	Power (W): 31.660
Number of Lamps: 1	PF: 0.000
Length(mm): 111	Width(mm): 111
Phm Type: C	Height(mm): 60

Photometric Results

Lumens(lm): 3841.37, Efficiency(%): 89.67% , Luminous Efficacy(lm/W): 121.33
Central intensity(cd): 25755.750, Maximum intensity(cd): 26139.440
Angle of maximum intensity: C=180.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=15.1
[C90/270]Total=15.1
Field angle(10%Imax): [C0/180]Total=31.9
[C90/270]Total=31.8
Maximum s/h(1/2): C0_180=0.33 C90_270=0.23
Maximum s/h(1/4): C0_180=0.31 C90_270=0.25
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.62%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 100.023%

Equipment: GMS 1800	Date: 2025/4/8	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	25954.256	0.000	0	0.00%	0.00%
1.0	25735.766	24.733	24.733	0.58%	0.64%
2.0	25112.273	72.982	97.715	1.70%	2.54%
3.0	24071.119	117.631	215.345	2.75%	5.61%
4.0	22516.385	155.943	371.288	3.64%	9.67%
5.0	20448.732	184.834	556.122	4.31%	14.48%
6.0	17704.764	200.507	756.629	4.68%	19.70%
7.0	14496.572	199.873	956.502	4.67%	24.90%
8.0	12385.156	192.387	1148.889	4.49%	29.91%
9.0	10403.300	184.688	1333.577	4.31%	34.72%
10.0	8236.396	168.682	1502.26	3.94%	39.11%
11.0	6654.482	148.790	1651.05	3.47%	42.98%
12.0	5173.820	129.300	1780.351	3.02%	46.35%
13.0	4116.879	110.257	1890.608	2.57%	49.22%
14.0	3336.380	95.401	1986.009	2.23%	51.70%
15.0	2777.302	83.931	2069.94	1.96%	53.89%
16.0	2475.880	76.974	2146.914	1.80%	55.89%
17.0	2300.822	74.386	2221.3	1.74%	57.83%
18.0	1989.875	70.744	2292.044	1.65%	59.67%
19.0	1776.182	65.522	2357.566	1.53%	61.37%
20.0	1666.338	63.008	2420.574	1.47%	63.01%
21.0	1567.219	62.091	2482.665	1.45%	64.63%
22.0	1499.341	61.624	2544.288	1.44%	66.23%
23.0	1442.787	61.734	2606.022	1.44%	67.84%
24.0	1399.355	62.139	2668.162	1.45%	69.46%
25.0	1367.248	62.907	2731.068	1.47%	71.10%
26.0	1343.068	63.977	2795.045	1.49%	72.76%
27.0	1321.152	65.181	2860.226	1.52%	74.46%
28.0	1304.366	66.473	2926.699	1.55%	76.19%
29.0	1286.780	67.792	2994.49	1.58%	77.95%
30.0	1270.194	69.038	3063.528	1.61%	79.75%
31.0	1257.138	70.332	3133.86	1.64%	81.58%
32.0	1241.018	71.569	3205.429	1.67%	83.45%
33.0	1225.297	72.659	3278.088	1.70%	85.34%
34.0	1172.500	72.564	3350.652	1.69%	87.23%
35.0	1117.485	71.118	3421.771	1.66%	89.08%
36.0	1083.772	70.088	3491.859	1.64%	90.90%
37.0	985.718	67.495	3559.354	1.58%	92.66%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	872.024	62.009	3621.363	1.45%	94.27%
39.0	726.489	54.562	3675.925	1.27%	95.69%
40.0	581.953	45.634	3721.559	1.07%	96.88%
41.0	446.250	36.614	3758.173	0.85%	97.83%
42.0	304.066	27.260	3785.433	0.64%	98.54%
43.0	214.705	19.217	3804.65	0.45%	99.04%
44.0	146.927	13.649	3818.299	0.32%	99.40%
45.0	71.469	8.393	3826.692	0.20%	99.62%
46.0	24.034	3.735	3830.427	0.09%	99.72%
47.0	15.467	1.571	3831.998	0.04%	99.76%
48.0	13.156	1.157	3833.155	0.03%	99.79%
49.0	12.024	1.034	3834.189	0.02%	99.81%
50.0	11.544	0.983	3835.172	0.02%	99.84%
51.0	11.264	0.965	3836.137	0.02%	99.86%
52.0	10.825	0.948	3837.085	0.02%	99.89%
53.0	9.019	0.863	3837.948	0.02%	99.91%
54.0	6.028	0.663	3838.611	0.02%	99.93%
55.0	3.337	0.418	3839.029	0.01%	99.94%
56.0	1.585	0.222	3839.252	0.01%	99.94%
57.0	1.379	0.136	3839.387	0.00%	99.95%
58.0	1.272	0.123	3839.51	0.00%	99.95%
59.0	1.152	0.113	3839.623	0.00%	99.95%
60.0	1.086	0.106	3839.729	0.00%	99.96%
61.0	0.999	0.099	3839.828	0.00%	99.96%
62.0	0.953	0.094	3839.922	0.00%	99.96%
63.0	0.859	0.088	3840.01	0.00%	99.96%
64.0	0.806	0.082	3840.092	0.00%	99.97%
65.0	0.766	0.078	3840.17	0.00%	99.97%
66.0	0.706	0.073	3840.243	0.00%	99.97%
67.0	0.666	0.069	3840.312	0.00%	99.97%
68.0	0.633	0.066	3840.378	0.00%	99.97%
69.0	0.613	0.064	3840.442	0.00%	99.98%
70.0	0.566	0.061	3840.502	0.00%	99.98%
71.0	0.540	0.057	3840.559	0.00%	99.98%
72.0	0.513	0.055	3840.614	0.00%	99.98%
73.0	0.480	0.052	3840.666	0.00%	99.98%
74.0	0.426	0.048	3840.714	0.00%	99.98%
75.0	0.433	0.045	3840.759	0.00%	99.98%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.433	0.046	3840.805	0.00%	99.99%
77.0	0.413	0.045	3840.85	0.00%	99.99%
78.0	0.373	0.042	3840.892	0.00%	99.99%
79.0	0.373	0.040	3840.932	0.00%	99.99%
80.0	0.373	0.040	3840.973	0.00%	99.99%
81.0	0.360	0.040	3841.012	0.00%	99.99%
82.0	0.340	0.038	3841.05	0.00%	99.99%
83.0	0.346	0.037	3841.087	0.00%	99.99%
84.0	0.340	0.037	3841.125	0.00%	99.99%
85.0	0.333	0.037	3841.162	0.00%	99.99%
86.0	0.320	0.036	3841.197	0.00%	100.00%
87.0	0.333	0.036	3841.233	0.00%	100.00%
88.0	0.366	0.038	3841.271	0.00%	100.00%
89.0	0.413	0.043	3841.314	0.00%	100.00%
90.0	0.553	0.053	3841.367	0.00%	100.00%

Zonal flux distribution table

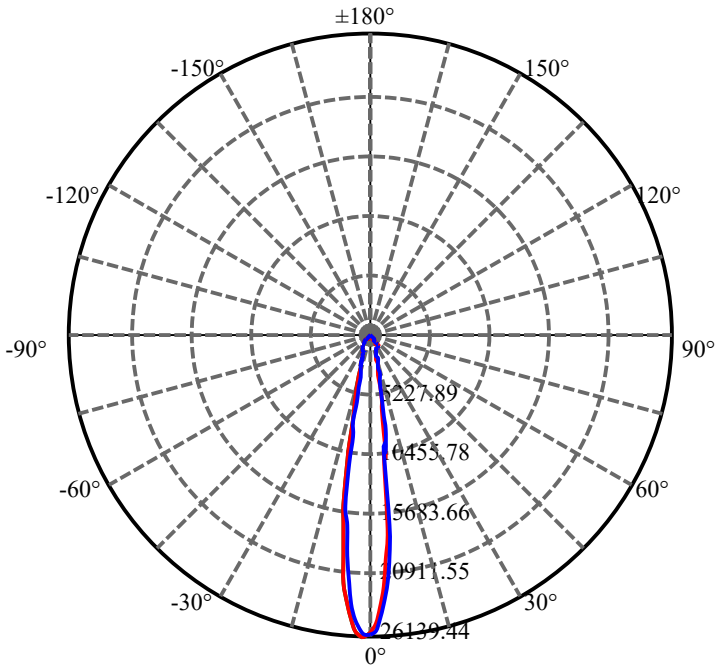
ZONAL LUMEN SUMMARY

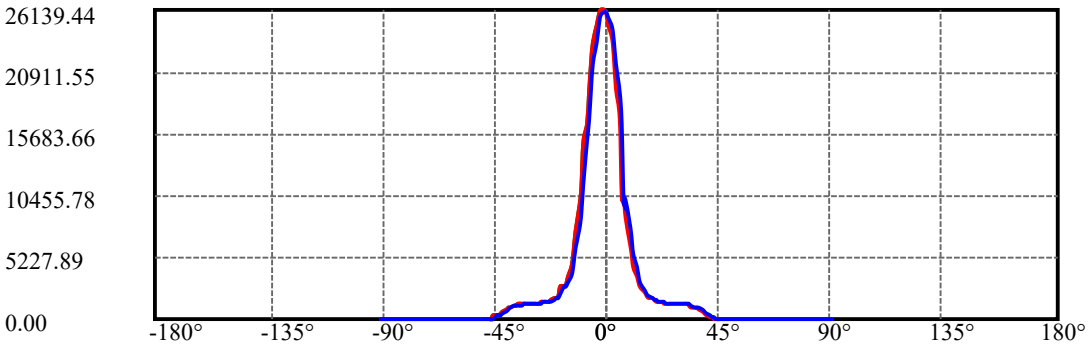
Zone	Lumens	%Lamp	%Fixt
0-30	3063.53	71.52%	79.75%
0-40	3721.56	86.88%	96.88%
0-60	3839.73	89.64%	99.96%
0-90	3841.31	89.67%	100.00%
0-120	3841.31	89.67%	100.00%
0-180	3841.37	89.67%	100.00%
60-90	1.59	0.04%	0.04%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-30.14	3073.09	71.74%	80.00%

ZONAL LUMEN SUMMARY

0-10	1502.26
10-20	918.31
20-30	642.95
30-40	658.03
40-50	113.61
50-60	4.56
60-70	0.77
70-80	0.47
80-90	0.34
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]





C180(Max):

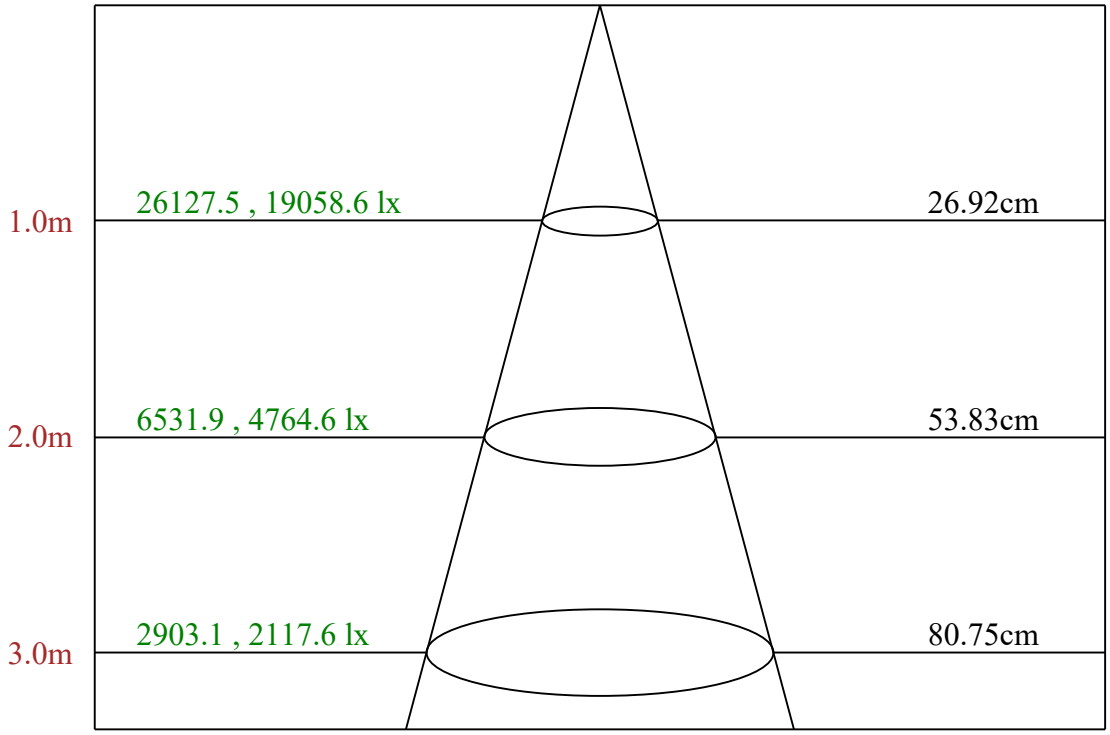
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:17.1 Right:14.8
:C90/270Left:16.2 Right:15.6

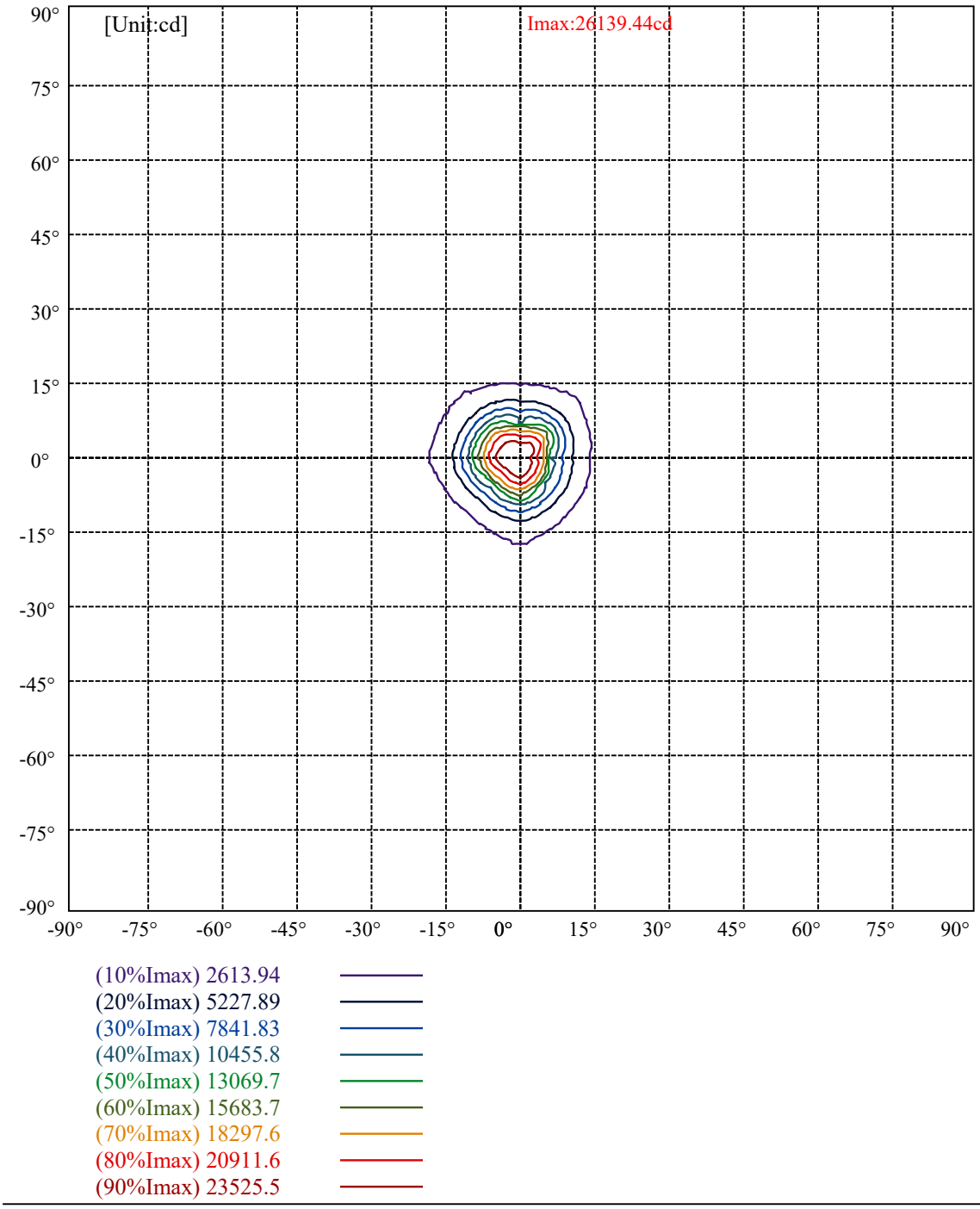
Beam Angle(50%Imax):C0/180Left:8.5 Right:6.6
:C90/270Left:7.5 Right:7.6

Lux distance Curve



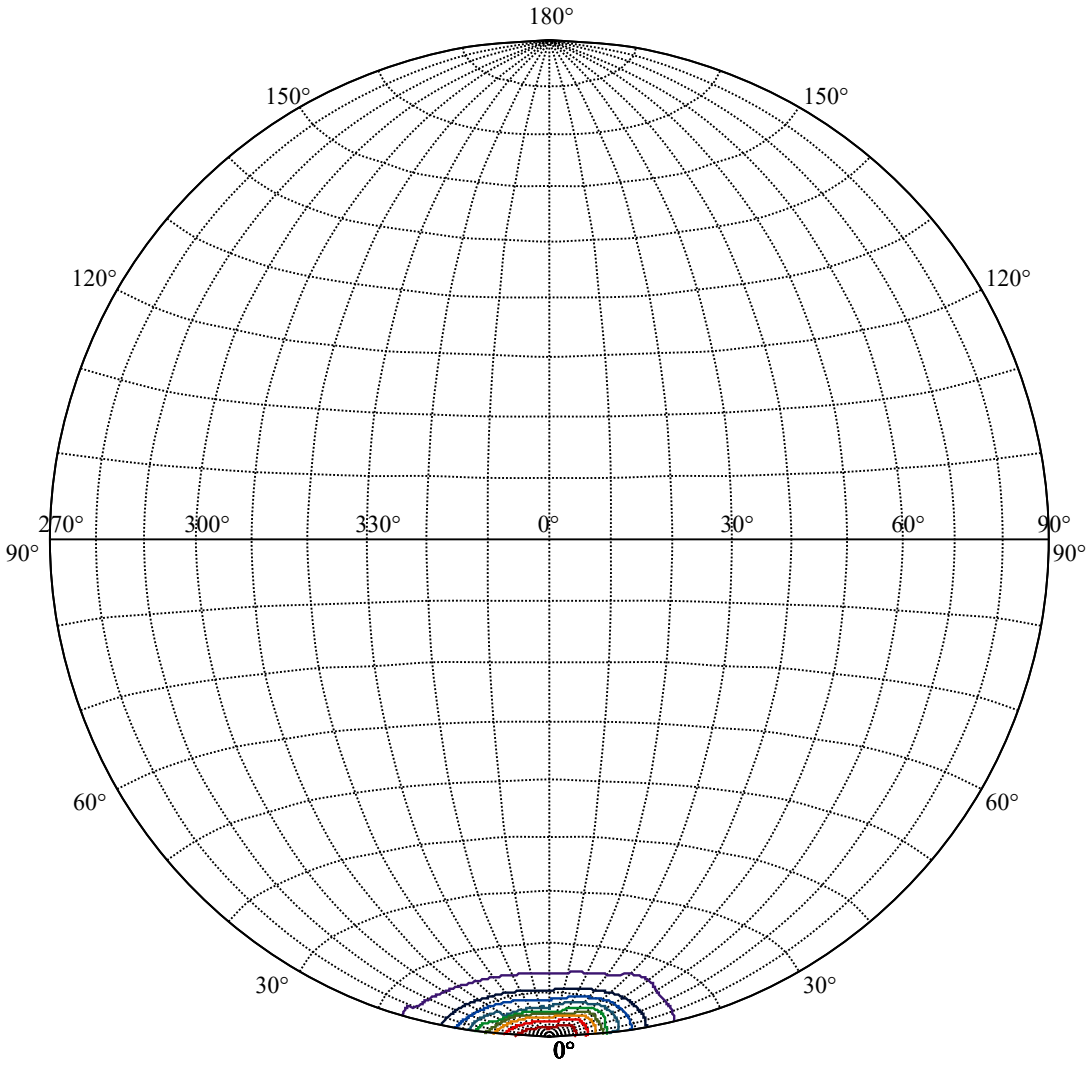
Max , Ave

Beam angle of C180 plane 15.33



Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/4/8
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



[Unit:cd]

Imax:26139.44

(10%Imax) 2613.87
(20%Imax) 5227.75
(30%Imax) 7841.62
(40%Imax) 10455.5
(50%Imax) 13069.4
(60%Imax) 15683.2
(70%Imax) 18297.1
(80%Imax) 20911
(90%Imax) 23524.9

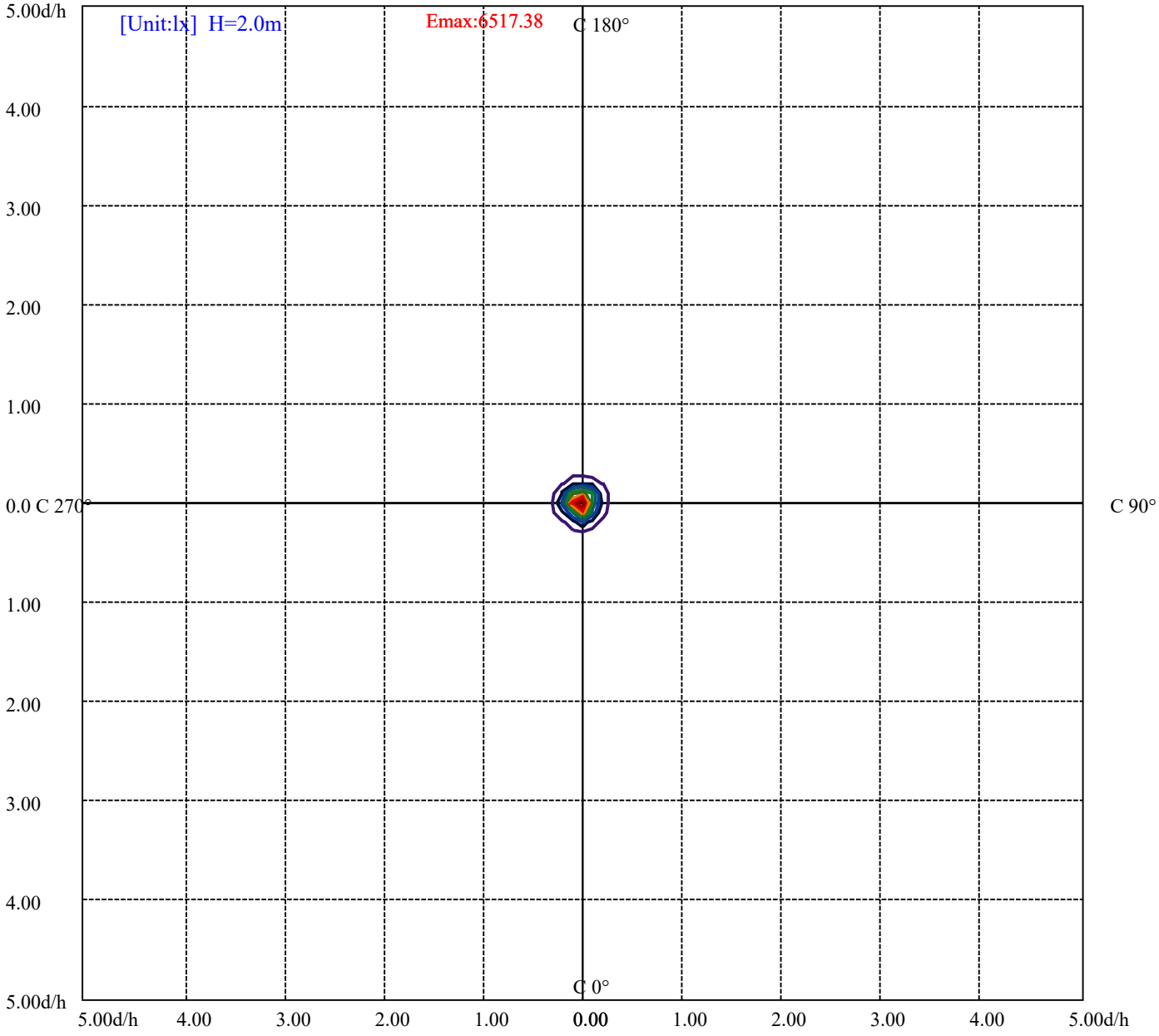
Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/4/8
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 4-2756-A

ISO illuminance diagram

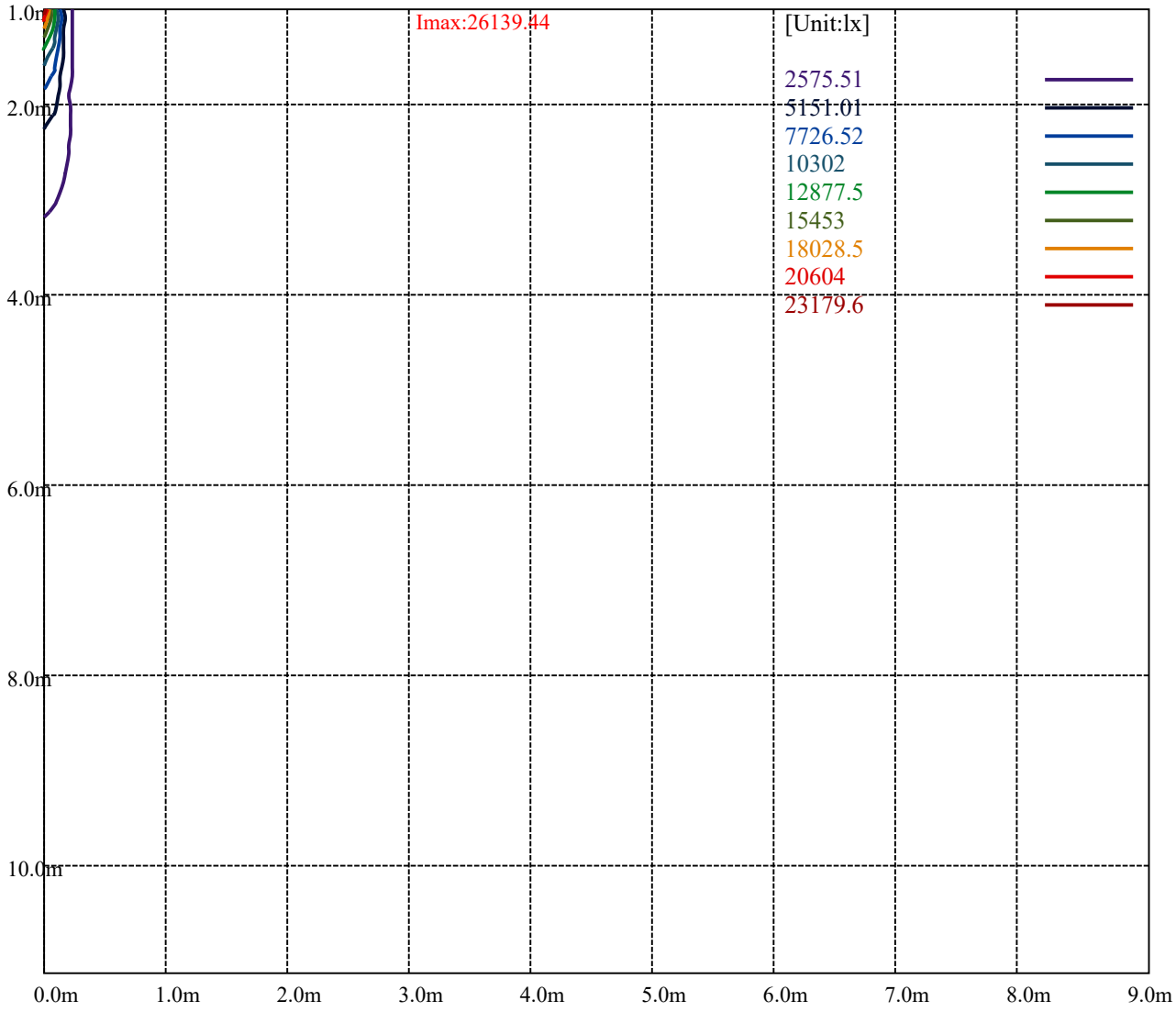


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/4/8
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/4/8
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 4-2756-A

Luminance Limitting Curve(no luminous side)

Luminance Table

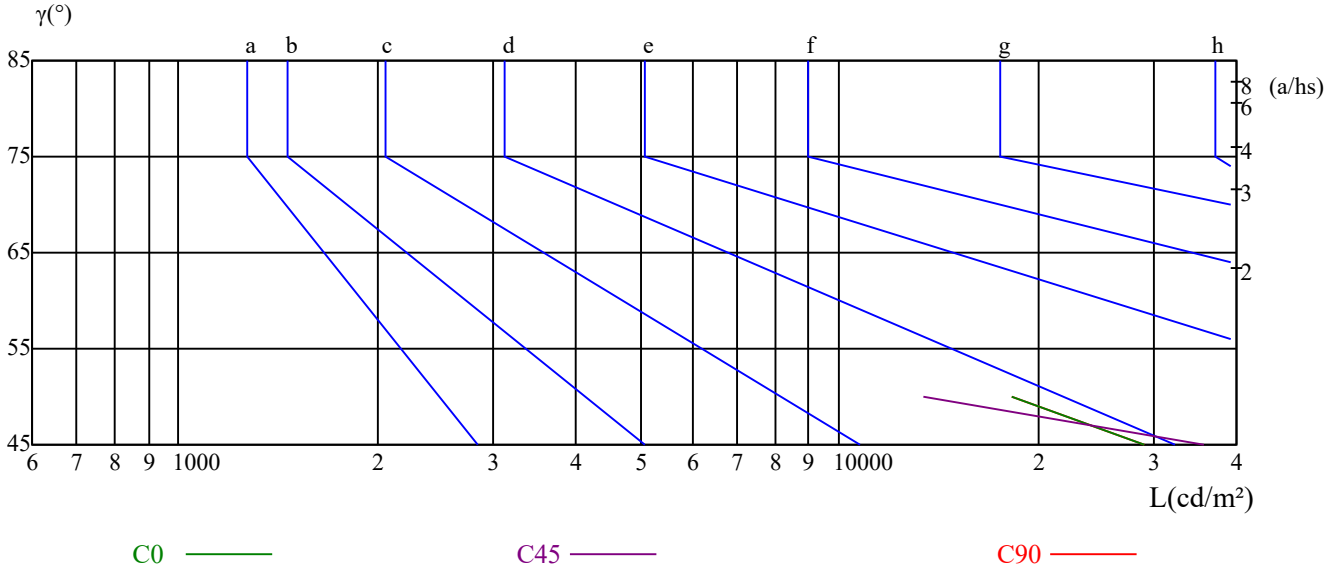
γ	45	50	55	60	65	70	75	80	85
C0	28949	18270	0	0	0	0	0	0	0
C45	35738	13444	0	0	0	0	0	0	0
C90	28949	18270	0	0	0	0	0	0	0

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: 2025/4/8
Humidity(%): 60.0%

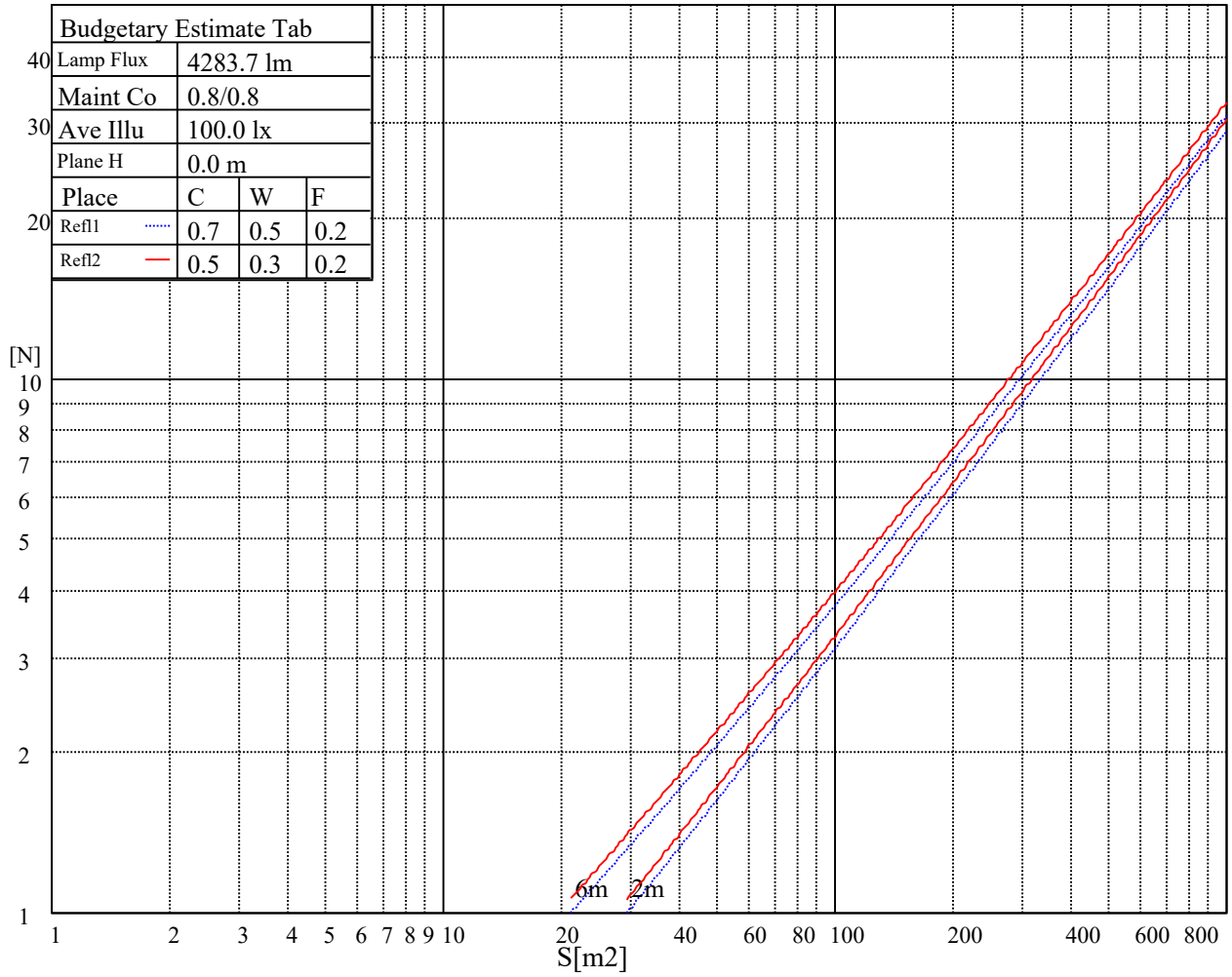
Operator: NT
Distance(m): 7.30

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	26.60	27.52	26.97	27.83	28.15	26.83	27.75	27.20	28.06	28.38
	3H	26.39	27.20	26.77	27.54	27.88	26.62	27.43	27.00	27.77	28.11
	4H	26.28	27.03	26.68	27.38	27.75	26.51	27.26	26.91	27.61	27.98
	6H	26.18	26.86	26.60	27.24	27.64	26.41	27.09	26.83	27.47	27.87
	8H	26.10	26.75	26.53	27.14	27.55	26.33	26.98	26.75	27.37	27.78
	12H	26.03	26.64	26.46	27.04	27.46	26.26	26.87	26.69	27.27	27.69
4H	2H	26.28	27.03	26.68	27.38	27.75	26.51	27.26	26.91	27.61	27.98
	3H	26.02	26.64	26.44	27.04	27.46	26.25	26.87	26.67	27.27	27.69
	4H	25.93	26.47	26.37	26.89	27.34	26.16	26.70	26.60	27.12	27.57
	6H	25.78	26.25	26.26	26.71	27.16	26.01	26.48	26.49	26.94	27.39
	8H	25.72	26.15	26.20	26.61	27.09	25.95	26.38	26.43	26.84	27.32
	12H	25.66	26.06	26.15	26.52	27.04	25.89	26.29	26.38	26.75	27.27
8H	4H	25.72	26.15	26.20	26.61	27.09	25.95	26.38	26.43	26.84	27.32
	6H	25.55	25.91	26.06	26.39	26.90	25.78	26.14	26.29	26.62	27.13
	8H	25.53	25.83	26.07	26.35	26.85	25.76	26.06	26.30	26.58	27.08
	12H	25.47	25.70	26.02	26.21	26.74	25.70	25.93	26.25	26.44	26.97
12H	4H	25.66	26.06	26.15	26.52	27.04	25.89	26.29	26.38	26.75	27.27
	6H	25.53	25.83	26.07	26.35	26.85	25.76	26.06	26.30	26.58	27.08
	8H	25.47	25.70	26.02	26.21	26.74	25.70	25.92	26.25	26.44	26.97

Variation with the observer position at spacings:		
S = 1.0H	4.6/-30.3	4.8/-30.7
S = 1.5H	7.4/-31.3	7.6/-31.6
S = 2.0H	9.4/-31.1	9.6/-31.3
Standard tables:	BK0	BK0
Uncorrected UGR	7.6	7.4

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

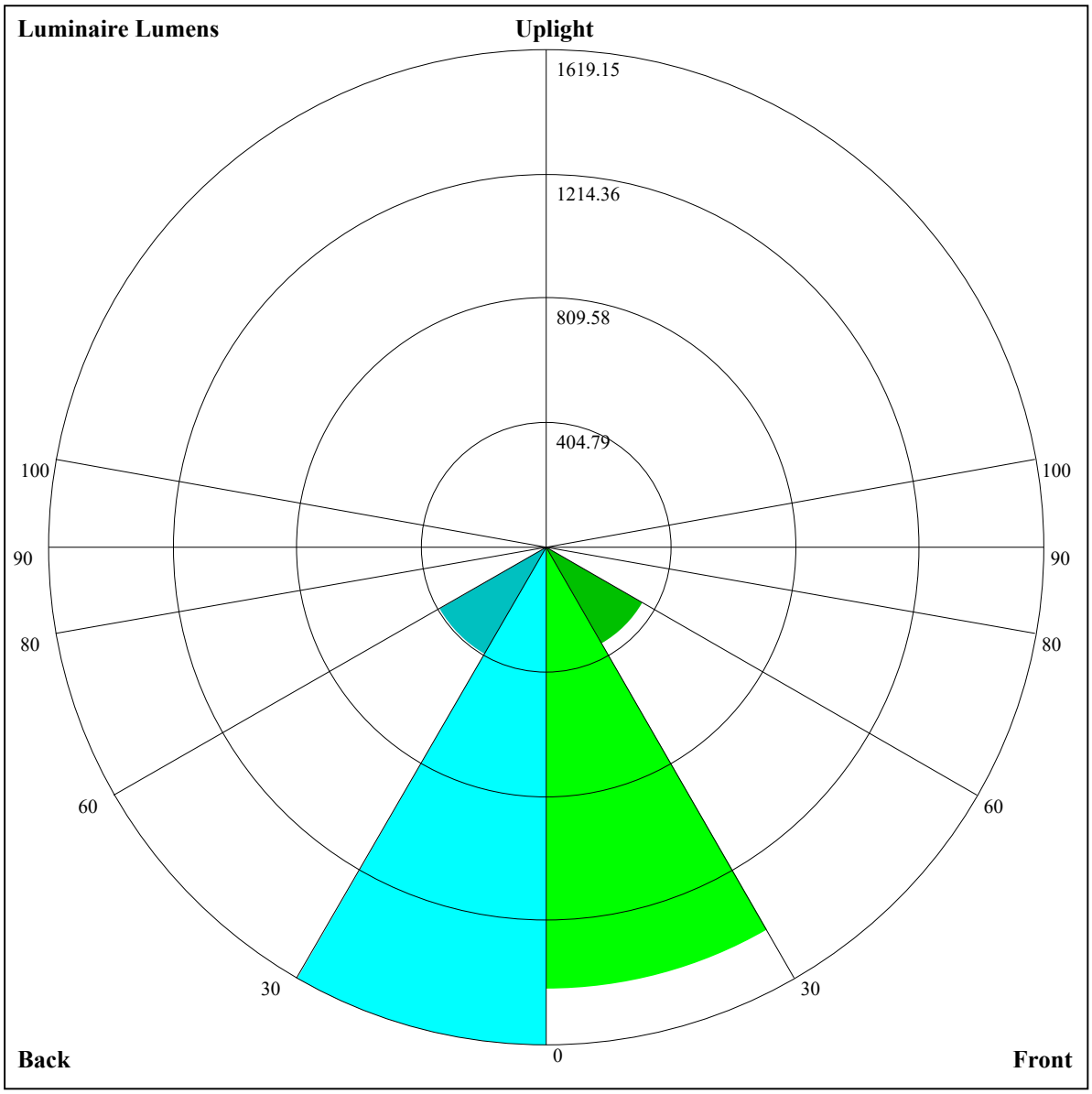
Budgetary Estimate Table



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



Luminaire Lumens:
FL=1437.88,FM=365.93,FH=0.62,FVH=0.22
BL=1619.15,BM=405.91,BH=0.64,BVH=0.19
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	25755.75	24913.77	23645.47	21881.57	19547.46	16882.96	10395.97	10395.97	8543.08
45.0	26070.16	25990.23	25499.96	24562.05	23160.53	21236.76	18817.39	16168.88	13429.77
90.0	26016.87	25569.23	24727.25	23405.66	21572.48	19206.41	16568.55	10122.06	10122.06
135.0	25974.24	26059.50	25888.97	24956.40	23741.39	22750.19	20730.50	18241.86	15540.06
180.0	25755.75	26139.44	26107.46	25649.17	24764.56	23400.33	21540.51	19163.78	16515.26
225.0	26070.16	25707.79	24924.43	24226.33	22696.90	19707.33	18188.57	15497.42	10173.75
270.0	26016.87	26022.20	25590.55	24748.57	23437.63	21609.79	19291.67	16669.80	15044.46
315.0	25974.24	25483.97	24514.09	23139.21	21210.11	18796.08	16104.93	9712.80	9712.80
360.0	25755.75	24913.77	23645.47	21881.57	19547.46	16882.96	10395.97	10395.97	8543.08

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6609.72	5672.35	4450.94	3576.98	2962.02	2538.36	2228.75	2005.46	1837.60
45.0	10781.26	8452.49	6566.02	5121.86	4040.07	3267.37	2739.80	2739.80	2365.17
90.0	8288.35	7102.12	5517.81	4332.64	3463.48	2862.37	2450.43	2160.00	1952.71
135.0	12790.29	10237.70	7967.55	6177.00	4812.78	3805.60	3102.17	2707.82	2707.82
180.0	14900.58	11122.32	9635.52	7466.62	5803.97	4551.66	3629.74	2979.60	2782.43
225.0	10173.75	7932.91	6150.89	4804.25	3823.18	3126.15	2648.14	2307.08	2061.95
270.0	11324.82	8900.12	7647.81	5926.54	4652.91	3709.68	3038.22	2745.13	2745.13
315.0	8357.63	6471.16	5299.32	3984.65	3376.61	2829.86	2381.16	2162.14	1953.77
360.0	6609.72	5672.35	4450.94	3576.98	2962.02	2538.36	2228.75	2005.46	1837.60

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1705.97	1601.52	1521.59	1461.37	1414.48	1378.77	1352.13	1330.81	1312.16
45.0	1955.90	1797.63	1675.60	1578.61	1504.54	1446.45	1400.62	1367.58	1342.00
90.0	1796.03	1673.47	1576.48	1503.47	1448.58	1404.35	1371.31	1346.27	1332.94
135.0	2021.98	1847.72	1764.59	1609.52	1558.36	1486.95	1432.60	1390.50	1359.59
180.0	2697.17	2020.92	1848.79	1715.03	1611.12	1530.65	1468.30	1419.81	1389.96
225.0	1911.67	1739.01	1650.02	1559.43	1488.55	1434.19	1392.09	1361.72	1336.67
270.0	2031.57	1855.18	1718.23	1611.65	1528.52	1466.17	1417.14	1386.23	1356.92
315.0	1798.70	1674.00	1575.41	1498.67	1440.59	1394.76	1360.65	1335.07	1314.29
360.0	1705.97	1601.52	1521.59	1461.37	1414.48	1378.77	1352.13	1330.81	1312.16

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1295.64	1285.51	1263.67	1248.74	1239.15	1223.70	1206.11	1019.65	1019.65
45.0	1321.75	1304.17	1287.65	1272.73	1264.20	1243.42	1228.49	1218.90	1185.33
90.0	1307.36	1297.24	1280.72	1258.34	1249.81	1234.36	1218.90	1199.72	1033.51
135.0	1335.61	1315.36	1297.77	1281.78	1266.86	1251.41	1236.49	1220.50	1202.92
180.0	1361.72	1338.80	1319.62	1302.03	1285.51	1269.53	1254.07	1238.62	1222.10
225.0	1316.96	1299.37	1283.38	1267.40	1252.47	1237.55	1221.57	1204.51	1040.11
270.0	1333.48	1313.76	1296.17	1279.65	1263.13	1247.68	1232.76	1216.77	1199.18
315.0	1296.71	1280.72	1265.26	1250.88	1235.95	1220.50	1203.98	1061.32	1037.08
360.0	1295.64	1285.51	1263.67	1248.74	1239.15	1223.70	1206.11	1019.65	1019.65

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	920.37	780.59	636.98	491.65	348.20	220.67	112.44	37.84	19.50
45.0	1142.16	1039.31	916.21	775.53	630.05	483.50	340.68	340.68	80.09
90.0	1033.51	908.11	767.00	616.89	464.16	322.51	196.85	95.34	31.87
135.0	1158.15	1067.56	998.28	806.44	666.82	583.69	387.05	304.45	304.45
180.0	1202.38	1141.63	1044.11	924.74	787.25	642.84	499.49	357.74	330.02
225.0	1017.84	968.12	886.96	744.14	595.89	447.37	305.35	182.46	81.16
270.0	1158.68	1070.76	954.58	819.76	672.68	520.80	374.26	292.72	292.72
315.0	1037.08	909.66	772.07	632.77	490.59	348.62	216.41	106.42	35.60
360.0	920.37	780.59	636.98	491.65	348.20	220.67	112.44	37.84	19.50

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	15.19	12.90	11.67	11.56	11.40	11.24	10.98	9.22	1.65
45.0	26.75	17.53	13.86	11.67	11.24	10.98	10.87	10.66	9.65
90.0	18.49	15.99	12.58	11.78	11.67	11.51	11.30	10.92	9.22
135.0	60.86	20.25	14.92	11.40	10.34	9.97	9.97	9.97	9.86
180.0	330.02	64.27	22.81	17.69	14.07	12.63	11.67	11.51	11.40
225.0	28.62	20.20	16.41	13.91	12.52	11.62	11.35	11.03	9.91
270.0	72.74	26.27	19.61	15.72	13.59	13.11	12.90	12.68	12.26
315.0	19.08	14.87	11.88	11.51	11.35	11.30	11.08	10.60	8.21
360.0	15.19	12.90	11.67	11.56	11.40	11.24	10.98	9.22	1.65

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1.44	1.33	1.23	1.12	1.07	0.96	0.91	0.85	0.80
45.0	7.89	1.97	1.71	1.60	1.49	1.33	1.23	1.17	1.12
90.0	1.76	1.60	1.44	1.39	1.23	1.12	1.07	0.96	0.96
135.0	8.85	6.29	1.55	1.33	1.33	1.17	1.07	1.01	0.96
180.0	11.08	9.65	2.29	1.49	1.33	1.23	1.17	1.07	1.01
225.0	5.06	1.71	1.65	1.55	1.33	1.23	1.17	1.07	1.01
270.0	10.71	2.82	1.60	1.44	1.39	1.28	1.17	1.07	1.01
315.0	1.44	1.33	1.23	1.12	1.01	0.91	0.91	0.80	0.75
360.0	1.44	1.33	1.23	1.12	1.07	0.96	0.91	0.85	0.80

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

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.53	0.48	0.43	0.43	0.48	0.43	0.37	0.37	0.37
45.0	0.59	0.53	0.53	0.53	0.48	0.43	0.43	0.43	0.43
90.0	0.53	0.48	0.43	0.48	0.48	0.37	0.37	0.43	0.43
135.0	0.53	0.53	0.43	0.48	0.48	0.43	0.43	0.37	0.37
180.0	0.53	0.48	0.43	0.37	0.37	0.43	0.37	0.32	0.37
225.0	0.48	0.48	0.43	0.43	0.37	0.43	0.37	0.32	0.32
270.0	0.53	0.48	0.43	0.37	0.43	0.43	0.37	0.37	0.32
315.0	0.37	0.37	0.32	0.37	0.37	0.37	0.27	0.37	0.37
360.0	0.53	0.48	0.43	0.43	0.48	0.43	0.37	0.37	0.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.37	0.37	0.37	0.37	0.37	0.32	0.37	0.59	0.80
45.0	0.37	0.37	0.37	0.37	0.32	0.37	0.43	0.37	0.37
90.0	0.37	0.32	0.37	0.43	0.37	0.37	0.43	0.43	0.43
135.0	0.43	0.37	0.37	0.32	0.37	0.32	0.32	0.32	0.37
180.0	0.32	0.27	0.32	0.32	0.27	0.32	0.27	0.27	0.27
225.0	0.37	0.32	0.32	0.32	0.32	0.27	0.27	0.27	0.27
270.0	0.37	0.37	0.37	0.32	0.43	0.32	0.32	0.37	0.37
315.0	0.27	0.32	0.27	0.27	0.21	0.27	0.27	0.32	0.43
360.0	0.37	0.37	0.37	0.37	0.37	0.32	0.37	0.59	0.80

Intensity data(cd)

C/γ(°)	90.0
0.0	0.85
45.0	0.91
90.0	0.48
135.0	0.37
180.0	0.32
225.0	0.27
270.0	0.43
315.0	0.80
360.0	0.85