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

NT

Client: NT
LumCAT: 1-1594-L
Luminaire: 92.70.410.00 LED HOLDER
Report No: 20250314-B001
Ballast type: AC

Test No: 20250314-C001	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): 1509.16, Efficiency(%): 96.67% , Luminous Efficacy(lm/W): 144.00
Central intensity(cd): 7773.572, Maximum intensity(cd): 8196.162
Angle of maximum intensity: C=135.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=18.8
[C90/270]Total=18.7
Field angle(10%Imax): [C0/180]Total=47.1
[C90/270]Total=46.9
Maximum s/h(1/2): C0_180=0.42 C90_270=0.32
Maximum s/h(1/4): C0_180=0.41 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 100.071%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7983.801	0.000	0	0.00%	0.00%
1.0	7951.494	7.625	7.625	0.49%	0.51%
2.0	7794.888	22.601	30.225	1.45%	2.00%
3.0	7516.448	36.620	66.845	2.35%	4.43%
4.0	7213.961	49.307	116.153	3.16%	7.70%
5.0	6717.498	59.932	176.085	3.84%	11.67%
6.0	6207.912	67.926	244.011	4.35%	16.17%
7.0	5597.142	73.274	317.285	4.69%	21.02%
8.0	4963.724	75.582	392.867	4.84%	26.03%
9.0	4380.265	75.728	468.595	4.85%	31.05%
10.0	3771.826	73.773	542.369	4.73%	35.94%
11.0	3313.665	70.799	613.167	4.53%	40.63%
12.0	2857.503	67.460	680.627	4.32%	45.10%
13.0	2497.596	63.552	744.178	4.07%	49.31%
14.0	2188.447	59.981	804.159	3.84%	53.29%
15.0	1922.996	56.444	860.603	3.62%	57.03%
16.0	1715.565	53.315	913.918	3.42%	60.56%
17.0	1516.147	50.326	964.245	3.22%	63.89%
18.0	1364.804	47.501	1011.745	3.04%	67.04%
19.0	1208.357	44.768	1056.513	2.87%	70.01%
20.0	1112.922	42.486	1098.999	2.72%	72.82%
21.0	1034.839	41.241	1140.24	2.64%	75.55%
22.0	942.220	39.730	1179.97	2.54%	78.19%
23.0	866.229	37.946	1217.916	2.43%	80.70%
24.0	789.311	36.196	1254.112	2.32%	83.10%
25.0	723.412	34.396	1288.508	2.20%	85.38%
26.0	660.137	32.659	1321.167	2.09%	87.54%
27.0	586.483	30.499	1351.666	1.95%	89.56%
28.0	524.467	28.127	1379.793	1.80%	91.43%
29.0	451.799	25.542	1405.335	1.64%	93.12%
30.0	379.138	22.435	1427.77	1.44%	94.61%
31.0	312.006	19.234	1447.003	1.23%	95.88%
32.0	252.335	16.168	1463.171	1.04%	96.95%
33.0	201.076	13.358	1476.529	0.86%	97.84%
34.0	141.365	10.363	1486.892	0.66%	98.52%
35.0	109.344	7.786	1494.678	0.50%	99.04%
36.0	54.862	5.228	1499.907	0.33%	99.39%
37.0	31.168	2.806	1502.712	0.18%	99.57%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	18.485	1.657	1504.37	0.11%	99.68%
39.0	10.785	0.999	1505.369	0.06%	99.75%
40.0	7.541	0.639	1506.008	0.04%	99.79%
41.0	5.575	0.467	1506.475	0.03%	99.82%
42.0	4.197	0.355	1506.83	0.02%	99.85%
43.0	3.224	0.275	1507.105	0.02%	99.86%
44.0	2.451	0.214	1507.319	0.01%	99.88%
45.0	2.065	0.174	1507.493	0.01%	99.89%
46.0	1.712	0.148	1507.64	0.01%	99.90%
47.0	1.485	0.127	1507.768	0.01%	99.91%
48.0	1.326	0.114	1507.881	0.01%	99.92%
49.0	1.212	0.104	1507.985	0.01%	99.92%
50.0	1.072	0.095	1508.081	0.01%	99.93%
51.0	0.939	0.085	1508.166	0.01%	99.93%
52.0	0.859	0.077	1508.243	0.00%	99.94%
53.0	0.773	0.071	1508.314	0.00%	99.94%
54.0	0.713	0.065	1508.379	0.00%	99.95%
55.0	0.626	0.060	1508.439	0.00%	99.95%
56.0	0.566	0.054	1508.493	0.00%	99.96%
57.0	0.520	0.050	1508.543	0.00%	99.96%
58.0	0.440	0.044	1508.587	0.00%	99.96%
59.0	0.406	0.040	1508.627	0.00%	99.96%
60.0	0.360	0.036	1508.663	0.00%	99.97%
61.0	0.346	0.034	1508.696	0.00%	99.97%
62.0	0.306	0.031	1508.728	0.00%	99.97%
63.0	0.286	0.029	1508.757	0.00%	99.97%
64.0	0.246	0.026	1508.783	0.00%	99.97%
65.0	0.233	0.024	1508.807	0.00%	99.98%
66.0	0.220	0.023	1508.829	0.00%	99.98%
67.0	0.206	0.021	1508.851	0.00%	99.98%
68.0	0.206	0.021	1508.872	0.00%	99.98%
69.0	0.180	0.020	1508.891	0.00%	99.98%
70.0	0.167	0.018	1508.909	0.00%	99.98%
71.0	0.167	0.017	1508.926	0.00%	99.98%
72.0	0.147	0.016	1508.943	0.00%	99.99%
73.0	0.147	0.015	1508.958	0.00%	99.99%
74.0	0.133	0.015	1508.973	0.00%	99.99%
75.0	0.120	0.013	1508.986	0.00%	99.99%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.113	0.012	1508.998	0.00%	99.99%
77.0	0.113	0.012	1509.01	0.00%	99.99%
78.0	0.107	0.012	1509.022	0.00%	99.99%
79.0	0.107	0.011	1509.034	0.00%	99.99%
80.0	0.107	0.011	1509.045	0.00%	99.99%
81.0	0.100	0.011	1509.056	0.00%	99.99%
82.0	0.107	0.011	1509.068	0.00%	99.99%
83.0	0.120	0.012	1509.08	0.00%	99.99%
84.0	0.107	0.012	1509.092	0.00%	100.00%
85.0	0.093	0.011	1509.103	0.00%	100.00%
86.0	0.107	0.011	1509.114	0.00%	100.00%
87.0	0.113	0.012	1509.126	0.00%	100.00%
88.0	0.113	0.012	1509.138	0.00%	100.00%
89.0	0.113	0.012	1509.151	0.00%	100.00%
90.0	0.113	0.012	1509.163	0.00%	100.00%

Zonal flux distribution table

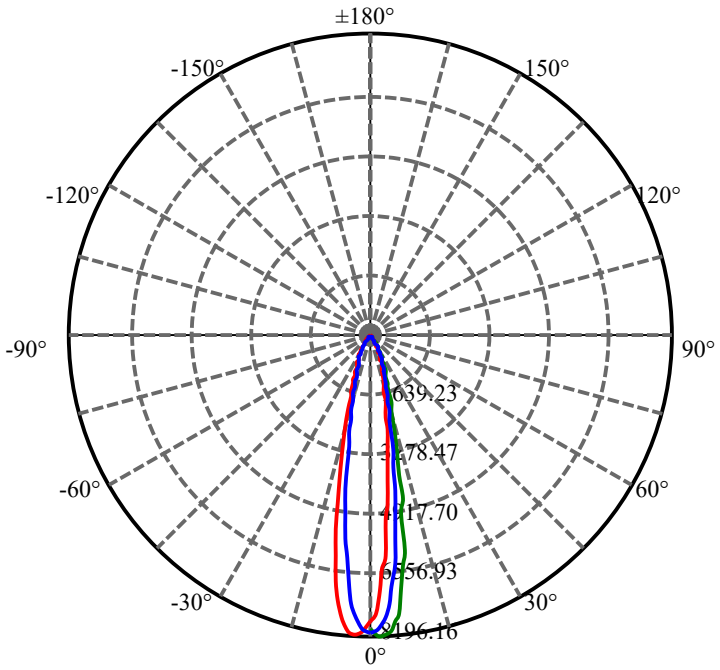
ZONAL LUMEN SUMMARY

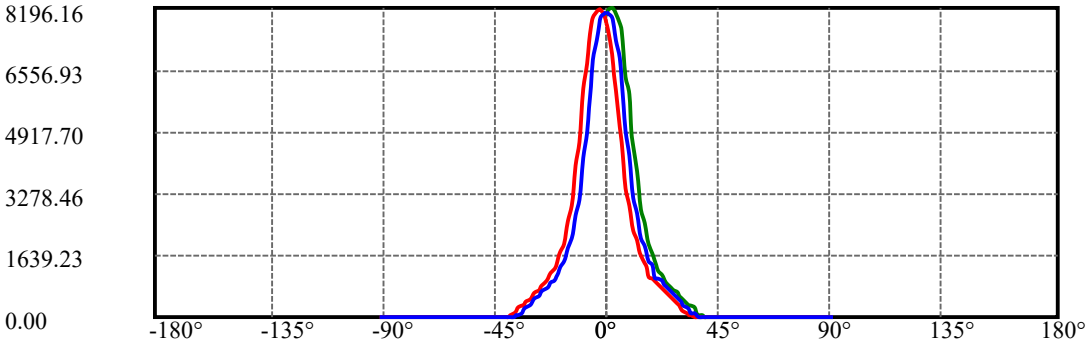
Zone	Lumens	%Lamp	%Fixt
0-30	1427.77	91.45%	94.61%
0-40	1506.01	96.47%	99.79%
0-60	1508.66	96.64%	99.97%
0-90	1509.15	96.67%	100.00%
0-120	1509.15	96.67%	100.00%
0-180	1509.16	96.67%	100.00%
60-90	0.49	0.03%	0.03%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.72	1207.33	77.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	542.37
10-20	556.63
20-30	328.77
30-40	78.24
40-50	2.07
50-60	0.58
60-70	0.25
70-80	0.14
80-90	0.11
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]





C135(Max):

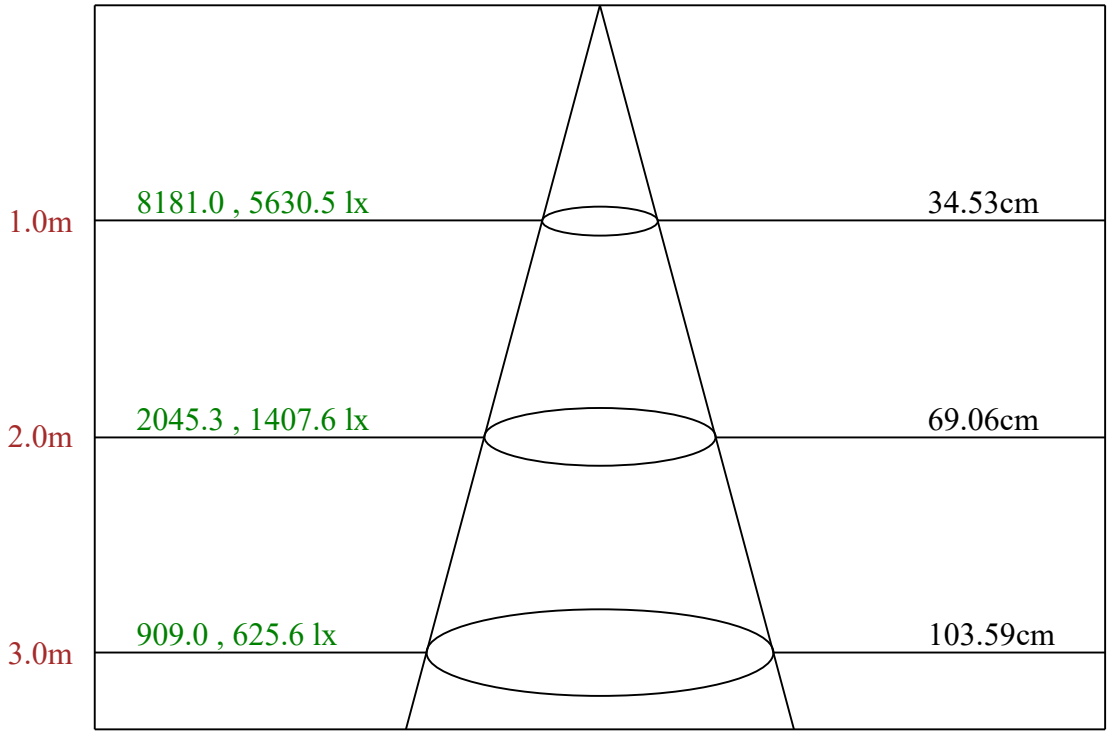
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:22.8 Right:24.4
:C90/270Left:23.1 Right:23.8

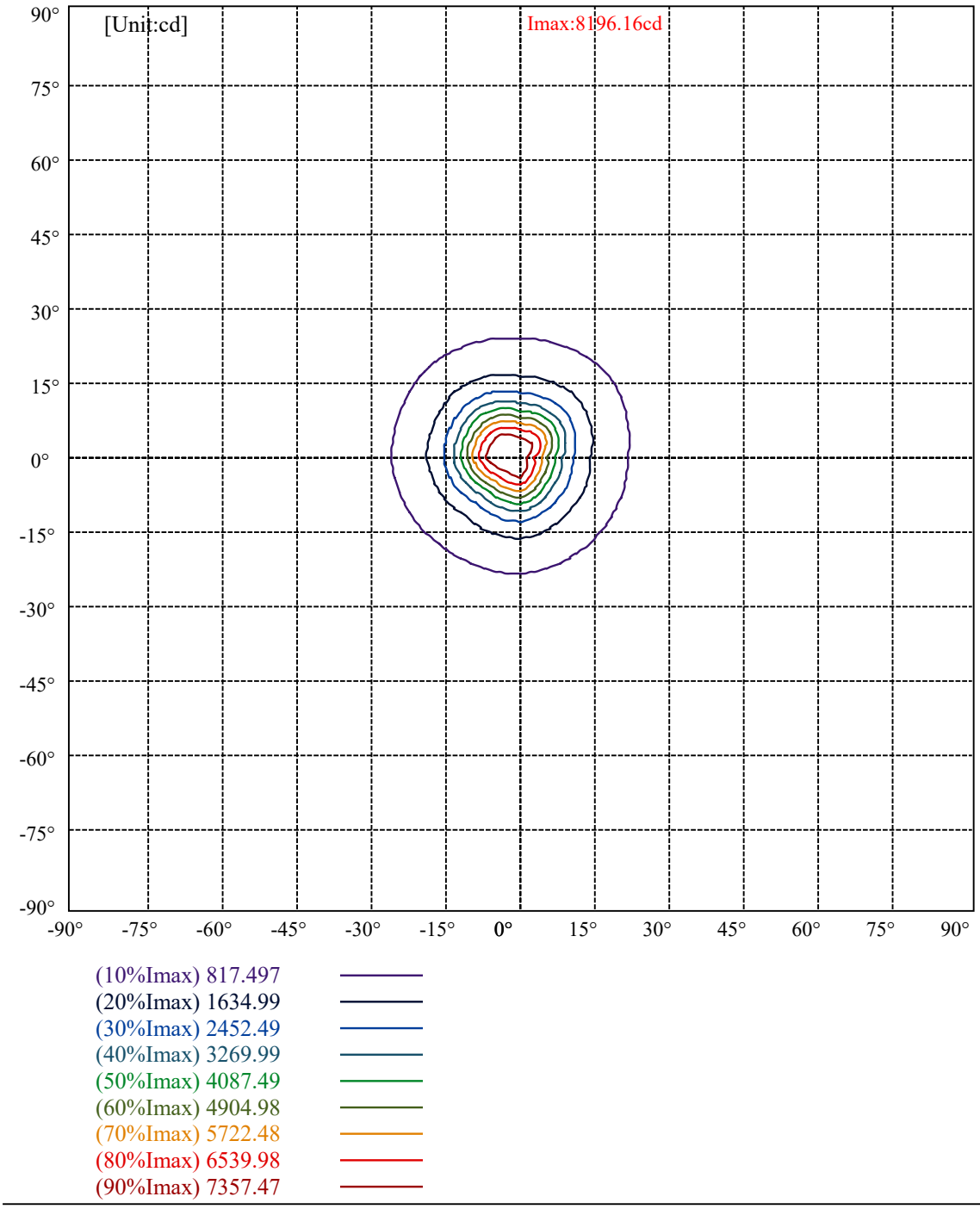
Beam Angle(50%Imax):C0/180Left:8.9 Right:9.9
:C90/270Left:9.3 Right:9.4

Lux distance Curve



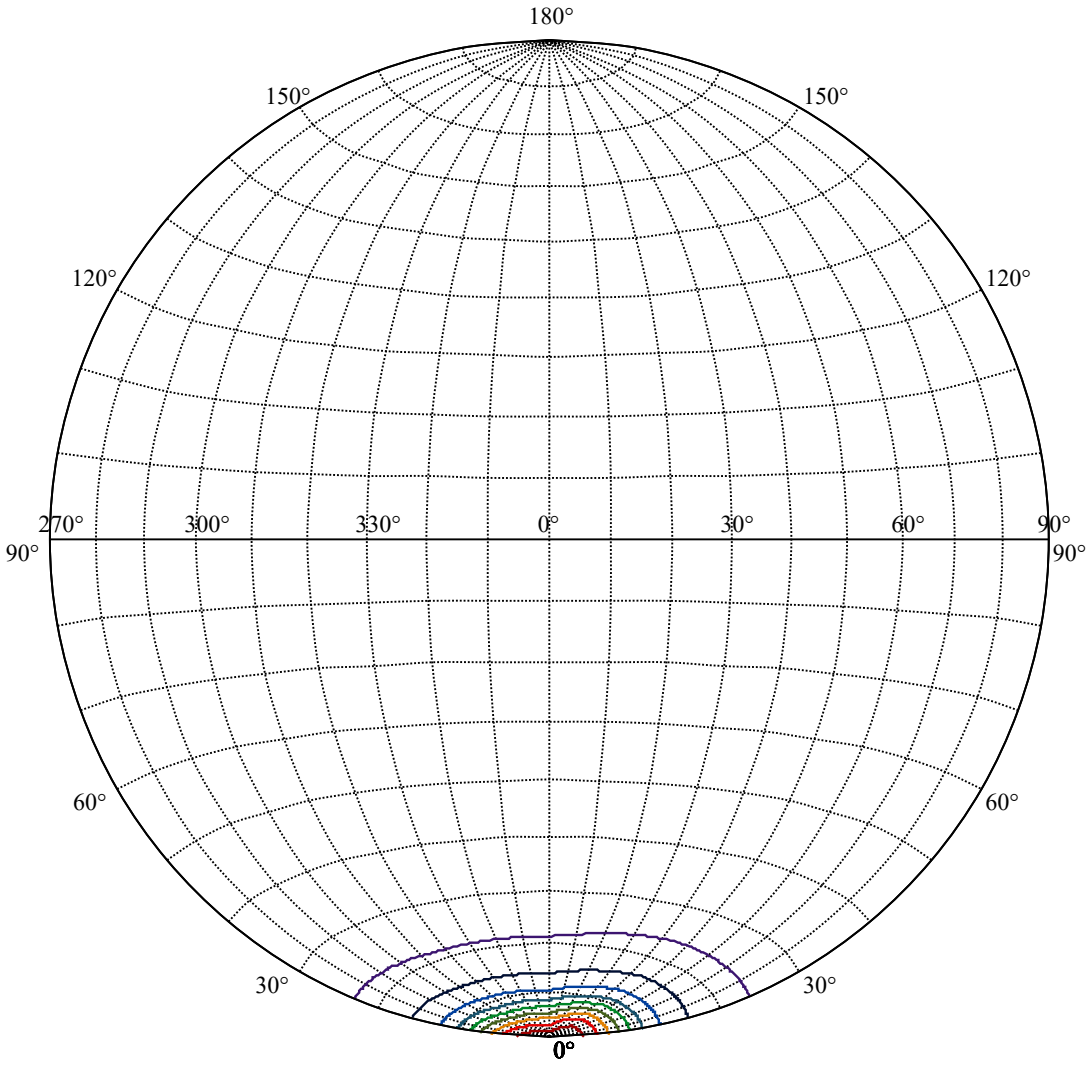
Max , Ave

Beam angle of C135 plane 19.59



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



House [Unit:cd] Road

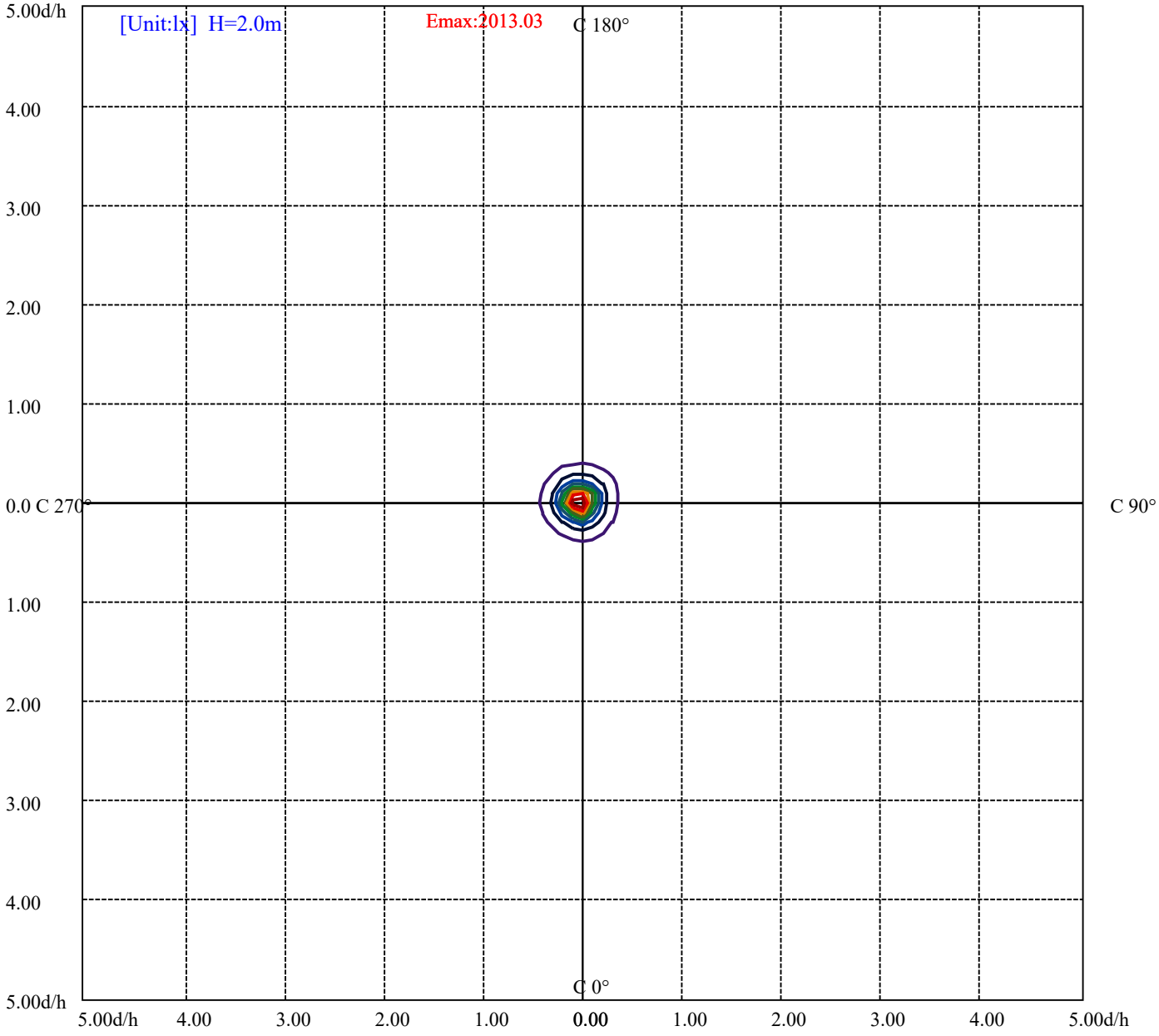
Imax:8196.16

(10%Imax) 819.6
(20%Imax) 1639.2
(30%Imax) 2458.8
(40%Imax) 3278.4
(50%Imax) 4098
(60%Imax) 4917.6
(70%Imax) 5737.2
(80%Imax) 6556.8
(90%Imax) 7376.4

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

NT NT 1-1594-L

ISO illuminance diagram



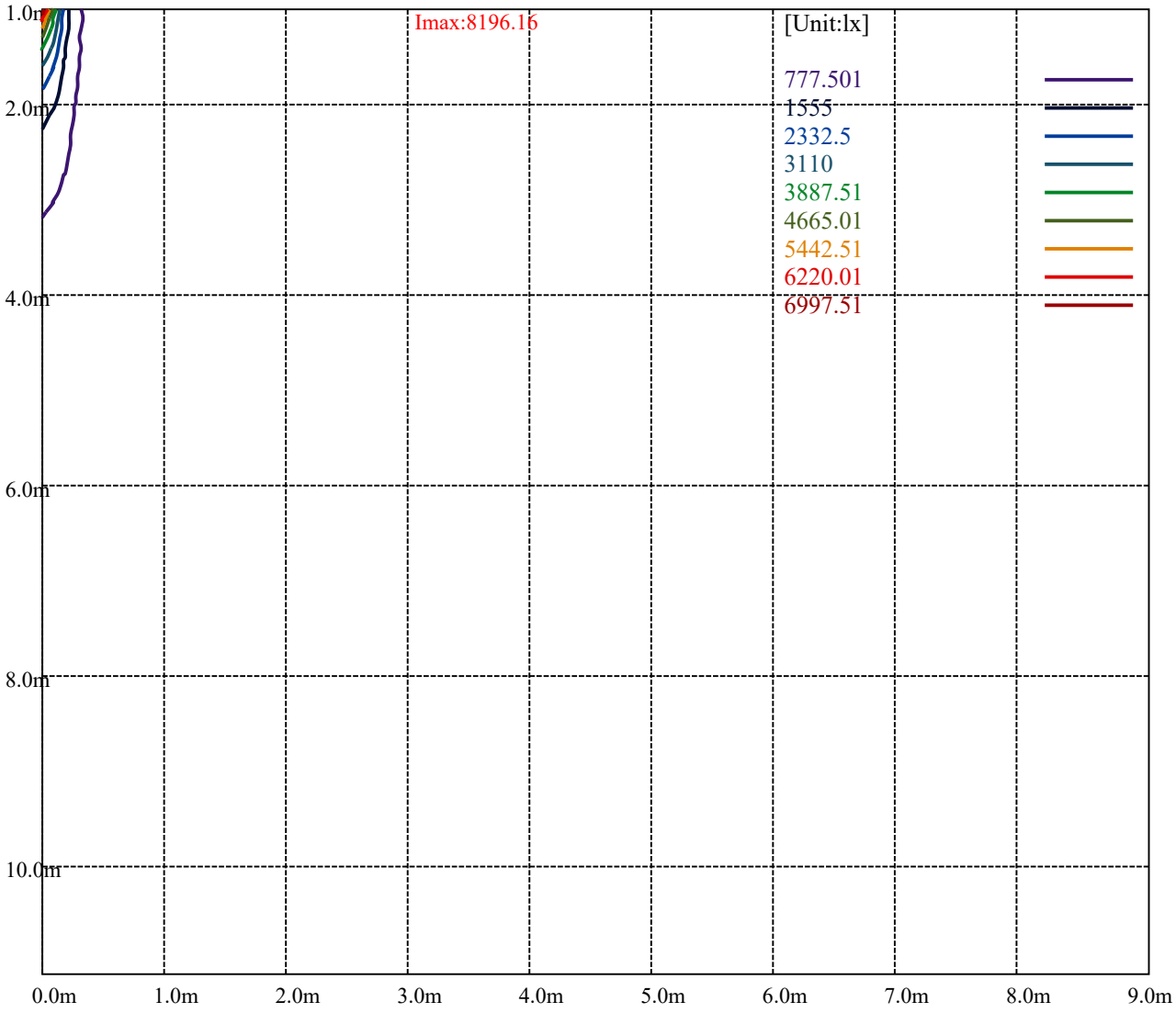
(10%Emax) 201.3027
(20%Emax) 402.605
(30%Emax) 603.9075
(40%Emax) 805.2125
(50%Emax) 1006.515
(60%Emax) 1207.818
(70%Emax) 1409.12
(80%Emax) 1610.422
(90%Emax) 1811.725

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 1-1594-L

Luminance Limitting Curve(no luminous side)

Luminance Table

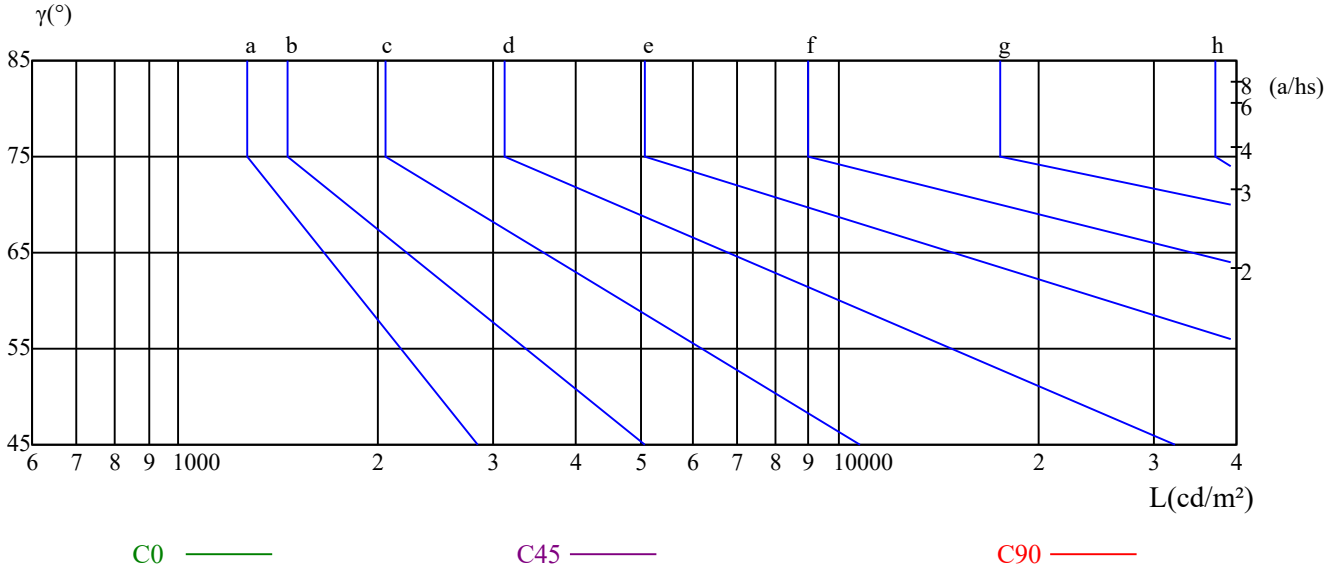
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	90	66
C45	0	0	0	0	0	0	0	68	48
C90	0	0	0	0	0	0	0	0	66

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	302	302	302

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

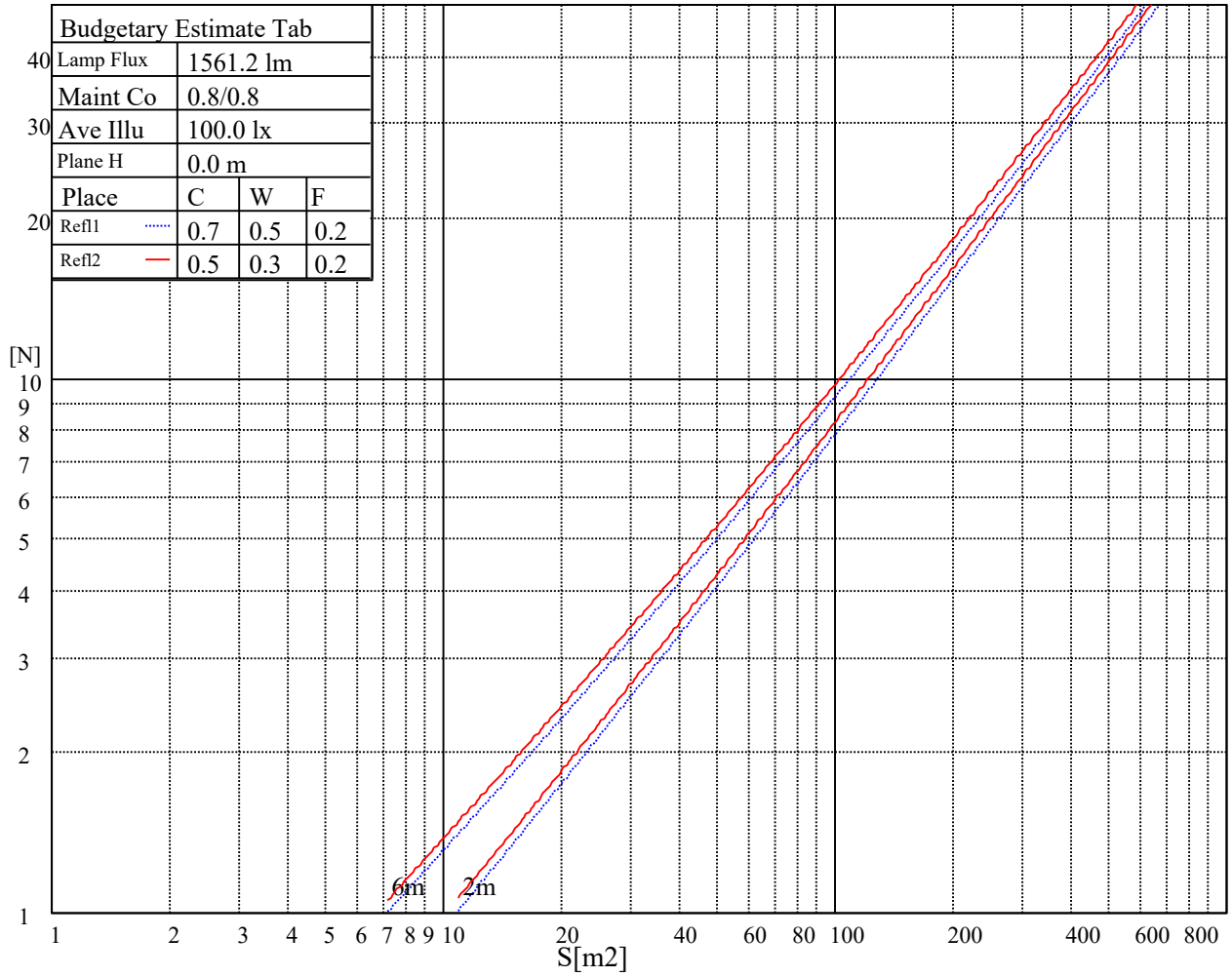


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	7.68	8.56	8.05	8.87	9.19	11.64	12.51	12.00	12.82	13.14
	3H	7.46	8.24	7.85	8.57	8.92	11.41	12.19	11.80	12.52	12.87
	4H	7.35	8.06	7.75	8.42	8.79	11.30	12.01	11.70	12.37	12.74
	6H	7.25	7.90	7.67	8.28	8.68	11.20	11.85	11.62	12.23	12.63
	8H	7.17	7.79	7.59	8.18	8.59	11.12	11.74	11.54	12.13	12.54
	12H	7.10	7.68	7.52	8.08	8.50	11.04	11.63	11.47	12.03	12.45
4H	2H	7.34	8.06	7.75	8.42	8.79	11.30	12.01	11.70	12.37	12.74
	3H	7.08	7.68	7.50	8.08	8.49	11.03	11.63	11.45	12.03	12.44
	4H	6.99	7.51	7.43	7.93	8.38	10.94	11.46	11.38	11.88	12.33
	6H	6.84	7.29	7.31	7.75	8.20	10.79	11.24	11.26	11.70	12.15
	8H	6.78	7.19	7.26	7.66	8.13	10.72	11.14	11.21	11.60	12.08
	12H	6.72	7.11	7.21	7.56	8.08	10.66	11.05	11.16	11.50	12.03
8H	4H	6.77	7.19	7.26	7.65	8.13	10.72	11.14	11.21	11.60	12.08
	6H	6.61	6.95	7.12	7.43	7.94	10.55	10.89	11.06	11.38	11.89
	8H	6.59	6.87	7.13	7.40	7.89	10.53	10.81	11.07	11.34	11.84
	12H	6.53	6.74	7.08	7.26	7.79	10.47	10.68	11.02	11.20	11.73
12H	4H	6.72	7.10	7.21	7.56	8.08	10.66	11.05	11.16	11.50	12.03
	6H	6.59	6.87	7.12	7.39	7.89	10.53	10.81	11.07	11.34	11.84
	8H	6.53	6.74	7.08	7.26	7.78	10.47	10.68	11.02	11.20	11.73

Variation with the observer position at spacings:		
S = 1.0H	7.1/-24.0	7.0/-20.7
S = 1.5H	9.9/-25.0	9.9/-21.5
S = 2.0H	11.9/-24.9	11.8/-20.3
Standard tables:	BK0	BK0
Uncorrected UGR	-7.6	-11.6

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

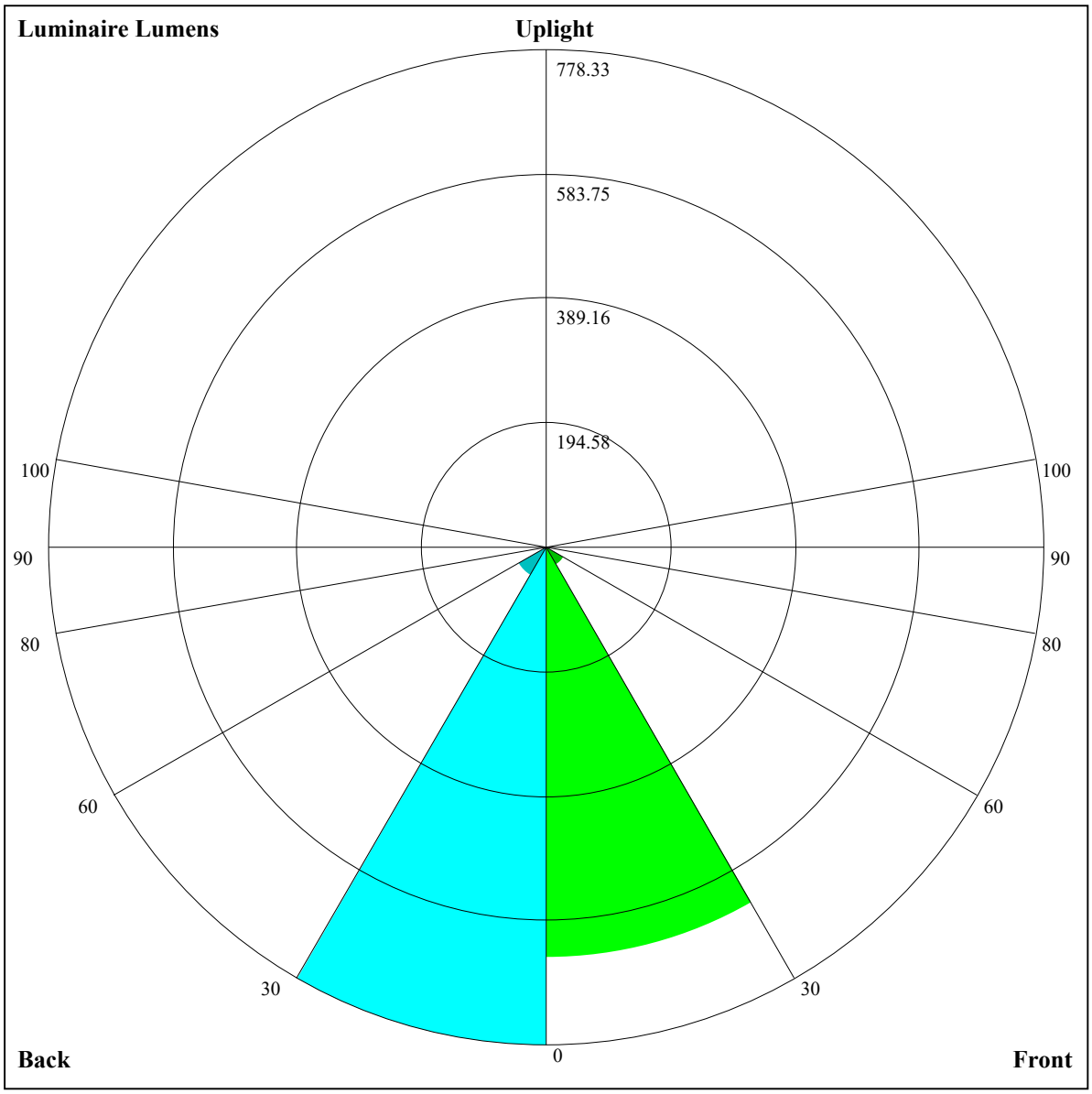
Budgetary Estimate Table



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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.09	1.07	1.06	1.07	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.96	0.96	0.95	0.93
2	1.04	1.01	0.98	1.02	1.00	0.97	0.99	0.97	0.95	0.96	0.95	0.93	0.94	0.93	0.91	0.90
3	0.99	0.96	0.93	0.98	0.95	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.90	0.88	0.87
4	0.95	0.91	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.84
5	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.84	0.88	0.85	0.83	0.87	0.84	0.82	0.81
6	0.88	0.84	0.81	0.88	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.84	0.82	0.80	0.79
7	0.85	0.81	0.78	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
8	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.80	0.77	0.75	0.74
9	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.78	0.75	0.73	0.72
10	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.76	0.73	0.71	0.70



Luminaire Lumens:
FL=642.11,FM=31.5,FH=0.18,FVH=0.06
BL=778.33,BM=51.65,BH=0.2,BVH=0.06
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	7773.57	7582.79	6970.49	6393.89	6003.28	5038.73	4637.46	4004.37	3435.77
45.0	8052.81	7985.67	7898.80	7508.19	7279.57	6804.23	6229.23	5590.81	4931.08
90.0	8100.24	8064.54	7946.23	7697.37	7333.40	6849.52	6258.54	5594.01	4917.23
135.0	8008.58	8142.34	8196.16	8170.58	8049.08	7807.68	7604.11	6964.10	6341.67
180.0	7773.57	8005.92	8119.96	8162.59	8118.36	7963.28	7690.97	7276.38	6723.76
225.0	8052.81	8029.90	7921.19	7696.30	7339.26	6854.32	6253.21	5566.83	4863.94
270.0	8100.24	8048.55	7930.78	7618.50	7329.67	6843.66	6109.86	5563.64	4868.73
315.0	8008.58	7752.26	7375.50	6884.16	6259.07	5578.56	4879.93	4217.00	3627.61
360.0	7773.57	7582.79	6970.49	6393.89	6003.28	5038.73	4637.46	4004.37	3435.77

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2967.88	2579.93	2269.25	2012.39	1795.50	1612.18	1450.71	1310.03	1048.53
45.0	4277.22	3688.89	3182.64	2762.71	2423.26	2138.69	1905.28	1706.51	1537.58
90.0	4270.29	3669.71	3167.72	2755.25	2396.08	2102.45	1864.78	1665.47	1493.35
135.0	5924.41	4934.81	4527.15	3887.13	3341.98	2874.09	2484.01	2169.06	1913.27
180.0	6072.02	5363.80	4655.57	3998.51	3411.79	2932.71	2541.56	2222.89	1956.97
225.0	4203.14	3620.68	3112.83	2682.78	2335.33	2049.69	1816.82	1624.44	1460.31
270.0	4203.14	3608.43	3106.43	2690.24	2348.65	2073.14	1839.20	1635.10	1461.90
315.0	3124.02	2708.36	2487.74	2071.01	1928.19	1724.62	1481.62	1391.03	1257.27
360.0	2967.88	2579.93	2269.25	2012.39	1795.50	1612.18	1450.71	1310.03	1048.53

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1009.95	991.14	903.27	841.40	776.97	721.65	656.69	580.49	507.00
45.0	1384.10	1250.88	1137.37	1034.52	944.99	896.50	797.38	739.83	701.46
90.0	1398.49	1060.58	1040.17	1040.17	946.96	864.36	795.14	734.07	672.89
135.0	1703.31	1517.86	1365.98	1233.82	1116.05	1012.67	916.75	837.88	772.33
180.0	1736.88	1582.87	1394.76	1284.98	1161.88	1055.30	956.18	867.72	796.85
225.0	1343.60	1046.67	1046.67	1007.13	913.66	834.68	768.50	709.40	645.82
270.0	1317.49	1192.26	1082.48	983.89	892.77	817.63	753.68	719.04	660.42
315.0	1024.61	1024.61	932.68	852.80	784.48	727.04	670.18	598.87	524.32
360.0	1009.95	991.14	903.27	841.40	776.97	721.65	656.69	580.49	507.00

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	432.82	362.21	287.18	223.60	159.12	105.09	57.82	26.38	14.23
45.0	631.11	557.57	484.03	410.49	338.02	280.47	280.47	126.08	76.68
90.0	605.48	533.33	459.89	386.99	315.16	245.19	193.60	124.01	81.00
135.0	711.58	647.63	577.82	521.87	449.39	377.45	307.11	292.72	264.48
180.0	732.90	674.28	604.47	530.93	456.86	385.45	316.17	301.25	272.47
225.0	568.87	498.90	423.44	351.71	282.76	217.10	159.92	103.38	77.16
270.0	562.90	519.74	447.26	373.19	300.18	271.94	209.70	111.75	65.76
315.0	446.20	402.07	330.29	234.32	194.56	136.00	83.83	45.35	22.97
360.0	432.82	362.21	287.18	223.60	159.12	105.09	57.82	26.38	14.23

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	10.66	7.67	5.28	4.16	3.09	2.13	1.92	1.71	1.55
45.0	37.89	16.73	12.68	8.85	7.46	5.54	3.62	3.20	2.40
90.0	40.98	15.83	12.52	9.65	6.66	4.80	3.78	2.77	2.03
135.0	115.53	67.47	33.36	16.04	11.78	8.90	6.82	5.06	3.52
180.0	148.20	96.14	52.54	24.51	14.18	10.92	7.94	5.65	4.32
225.0	38.74	19.40	12.68	9.33	6.82	5.01	3.89	2.88	2.18
270.0	34.53	16.84	11.83	8.53	6.55	4.58	3.52	2.66	1.97
315.0	12.36	9.27	6.98	5.22	3.78	2.72	2.08	1.87	1.65
360.0	10.66	7.67	5.28	4.16	3.09	2.13	1.92	1.71	1.55

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	1.33	1.17	1.01	0.96	0.85	0.75	0.69	0.64	0.59
45.0	2.13	1.92	1.65	1.44	1.33	1.23	1.01	0.96	0.85
90.0	1.76	1.55	1.33	1.23	1.12	1.01	0.85	0.80	0.75
135.0	2.93	2.18	1.97	1.76	1.60	1.39	1.28	1.17	1.07
180.0	3.30	2.29	1.87	1.65	1.55	1.33	1.17	1.01	0.91
225.0	1.87	1.71	1.49	1.28	1.12	1.01	0.91	0.85	0.69
270.0	1.76	1.60	1.39	1.23	1.12	1.01	0.85	0.75	0.69
315.0	1.44	1.28	1.17	1.07	1.01	0.85	0.75	0.69	0.64
360.0	1.33	1.17	1.01	0.96	0.85	0.75	0.69	0.64	0.59

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	0.53	0.48	0.43	0.43	0.32	0.27	0.27	0.32	0.27
45.0	0.85	0.69	0.64	0.59	0.53	0.48	0.37	0.37	0.32
90.0	0.69	0.53	0.53	0.48	0.43	0.43	0.37	0.32	0.32
135.0	0.91	0.85	0.80	0.69	0.59	0.59	0.48	0.43	0.37
180.0	0.80	0.75	0.64	0.59	0.53	0.43	0.43	0.43	0.37
225.0	0.64	0.59	0.53	0.53	0.37	0.43	0.37	0.37	0.32
270.0	0.69	0.59	0.53	0.43	0.43	0.37	0.32	0.27	0.27
315.0	0.59	0.53	0.43	0.43	0.32	0.27	0.27	0.27	0.21
360.0	0.53	0.48	0.43	0.43	0.32	0.27	0.27	0.32	0.27

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.27	0.27	0.21	0.16	0.21	0.21	0.16	0.11	0.16
45.0	0.32	0.32	0.27	0.21	0.21	0.21	0.21	0.16	0.21
90.0	0.27	0.27	0.21	0.21	0.21	0.21	0.16	0.16	0.16
135.0	0.37	0.32	0.27	0.27	0.27	0.27	0.21	0.21	0.21
180.0	0.32	0.21	0.32	0.27	0.21	0.21	0.21	0.21	0.16
225.0	0.27	0.16	0.21	0.27	0.21	0.16	0.16	0.16	0.16
270.0	0.27	0.21	0.21	0.21	0.16	0.16	0.16	0.16	0.16
315.0	0.21	0.21	0.16	0.16	0.16	0.21	0.16	0.16	0.11
360.0	0.27	0.27	0.21	0.16	0.21	0.21	0.16	0.11	0.16

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.21	0.16	0.11	0.11	0.21	0.16	0.11	0.11	0.16
45.0	0.16	0.16	0.16	0.16	0.16	0.11	0.11	0.11	0.16
90.0	0.16	0.16	0.11	0.11	0.11	0.11	0.11	0.11	0.11
135.0	0.16	0.16	0.16	0.16	0.16	0.11	0.16	0.16	0.11
180.0	0.16	0.16	0.16	0.11	0.11	0.11	0.11	0.11	0.11
225.0	0.11	0.11	0.16	0.11	0.05	0.11	0.05	0.11	0.11
270.0	0.11	0.16	0.11	0.11	0.05	0.11	0.11	0.11	0.05
315.0	0.11	0.11	0.11	0.11	0.05	0.11	0.11	0.05	0.05
360.0	0.21	0.16	0.11	0.11	0.21	0.16	0.11	0.11	0.16

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

Intensity data(cd)

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