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: 2-2916-L
Luminaire: 92.70.411.00 LED HOLDER
Report No: 20250317-B007
Ballast type: AC

Test No: 20250317-C007	Voltage(V): 36.140
LampCAT: LUMILEDS LUXEON COB 1205	Current(A): 0.604
Lamp flux(lm): 2511.0	Power (W): 21.820
Number of Lamps: 1	PF: 0.000
Length(mm): 63	Width(mm): 63
Phm Type: C	Height(mm): 40

Photometric Results

Lumens(lm): 2294.16, Efficiency(%): 91.36% , Luminous Efficacy(lm/W): 105.14
Central intensity(cd): 5900.962, Maximum intensity(cd): 5947.324
Angle of maximum intensity: C=180.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=34.6
[C90/270]Total=33.8
Field angle(10%Imax): [C0/180]Total=63.4
[C90/270]Total=63.7
Maximum s/h(1/2): C0_180=0.62 C90_270=0.53
Maximum s/h(1/4): C0_180=0.61 C90_270=0.55
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.30%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.948%

Equipment: GMS 1800	Date: 2025/3/28	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	5927.074	0.000	0	0.00%	0.00%
1.0	5912.885	5.665	5.665	0.23%	0.25%
2.0	5868.655	16.910	22.575	0.67%	0.98%
3.0	5800.510	27.909	50.484	1.11%	2.20%
4.0	5709.184	38.527	89.011	1.53%	3.88%
5.0	5579.023	48.561	137.572	1.93%	6.00%
6.0	5436.806	57.891	195.463	2.31%	8.52%
7.0	5267.543	66.442	261.905	2.65%	11.42%
8.0	5075.699	74.025	335.929	2.95%	14.64%
9.0	4866.136	80.573	416.502	3.21%	18.15%
10.0	4643.451	86.058	502.561	3.43%	21.91%
11.0	4413.838	90.501	593.062	3.60%	25.85%
12.0	4179.428	93.937	686.998	3.74%	29.95%
13.0	3944.086	96.406	783.404	3.84%	34.15%
14.0	3709.544	97.966	881.37	3.90%	38.42%
15.0	3473.136	98.607	979.977	3.93%	42.72%
16.0	3245.921	98.453	1078.43	3.92%	47.01%
17.0	2992.527	97.149	1175.579	3.87%	51.24%
18.0	2762.647	94.890	1270.47	3.78%	55.38%
19.0	2535.698	92.180	1362.65	3.67%	59.40%
20.0	2292.629	88.372	1451.022	3.52%	63.25%
21.0	2062.949	83.636	1534.658	3.33%	66.89%
22.0	1850.122	78.635	1613.292	3.13%	70.32%
23.0	1632.965	73.085	1686.377	2.91%	73.51%
24.0	1440.928	67.206	1753.583	2.68%	76.44%
25.0	1293.781	62.181	1815.765	2.48%	79.15%
26.0	1140.739	57.467	1873.232	2.29%	81.65%
27.0	1057.120	53.771	1927.003	2.14%	84.00%
28.0	955.496	50.955	1977.958	2.03%	86.22%
29.0	858.022	47.447	2025.405	1.89%	88.29%
30.0	762.280	43.748	2069.153	1.74%	90.19%
31.0	666.012	39.747	2108.9	1.58%	91.92%
32.0	573.907	35.522	2144.422	1.41%	93.47%
33.0	483.993	31.166	2175.588	1.24%	94.83%
34.0	397.297	26.670	2202.259	1.06%	95.99%
35.0	318.281	22.223	2224.482	0.89%	96.96%
36.0	249.504	18.078	2242.56	0.72%	97.75%
37.0	202.315	14.736	2257.296	0.59%	98.39%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	134.837	11.254	2268.55	0.45%	98.88%
39.0	71.648	7.048	2275.598	0.28%	99.19%
40.0	33.859	3.680	2279.278	0.15%	99.35%
41.0	19.031	1.883	2281.161	0.08%	99.43%
42.0	14.062	1.202	2282.363	0.05%	99.49%
43.0	11.917	0.962	2283.326	0.04%	99.53%
44.0	10.272	0.837	2284.163	0.03%	99.56%
45.0	8.966	0.739	2284.902	0.03%	99.60%
46.0	8.087	0.667	2285.569	0.03%	99.63%
47.0	7.414	0.617	2286.186	0.02%	99.65%
48.0	6.828	0.576	2286.761	0.02%	99.68%
49.0	6.302	0.539	2287.301	0.02%	99.70%
50.0	5.835	0.506	2287.807	0.02%	99.72%
51.0	5.342	0.473	2288.28	0.02%	99.74%
52.0	4.956	0.442	2288.721	0.02%	99.76%
53.0	4.563	0.414	2289.136	0.02%	99.78%
54.0	4.243	0.388	2289.524	0.02%	99.80%
55.0	3.957	0.366	2289.89	0.01%	99.81%
56.0	3.637	0.343	2290.233	0.01%	99.83%
57.0	3.384	0.321	2290.554	0.01%	99.84%
58.0	3.117	0.301	2290.855	0.01%	99.86%
59.0	2.864	0.280	2291.134	0.01%	99.87%
60.0	2.645	0.260	2291.394	0.01%	99.88%
61.0	2.438	0.243	2291.637	0.01%	99.89%
62.0	2.218	0.224	2291.861	0.01%	99.90%
63.0	2.052	0.208	2292.069	0.01%	99.91%
64.0	1.865	0.192	2292.261	0.01%	99.92%
65.0	1.719	0.177	2292.439	0.01%	99.92%
66.0	1.565	0.164	2292.602	0.01%	99.93%
67.0	1.432	0.151	2292.753	0.01%	99.94%
68.0	1.299	0.138	2292.892	0.01%	99.94%
69.0	1.186	0.127	2293.018	0.01%	99.95%
70.0	1.086	0.117	2293.135	0.00%	99.96%
71.0	0.973	0.106	2293.241	0.00%	99.96%
72.0	0.879	0.096	2293.338	0.00%	99.96%
73.0	0.806	0.088	2293.426	0.00%	99.97%
74.0	0.719	0.080	2293.506	0.00%	99.97%
75.0	0.653	0.073	2293.578	0.00%	99.97%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.586	0.066	2293.644	0.00%	99.98%
77.0	0.520	0.059	2293.703	0.00%	99.98%
78.0	0.486	0.054	2293.757	0.00%	99.98%
79.0	0.433	0.049	2293.806	0.00%	99.98%
80.0	0.400	0.045	2293.851	0.00%	99.99%
81.0	0.353	0.041	2293.892	0.00%	99.99%
82.0	0.340	0.038	2293.93	0.00%	99.99%
83.0	0.313	0.035	2293.965	0.00%	99.99%
84.0	0.293	0.033	2293.998	0.00%	99.99%
85.0	0.293	0.032	2294.03	0.00%	99.99%
86.0	0.280	0.031	2294.061	0.00%	100.00%
87.0	0.260	0.030	2294.091	0.00%	100.00%
88.0	0.220	0.026	2294.117	0.00%	100.00%
89.0	0.200	0.023	2294.14	0.00%	100.00%
90.0	0.220	0.023	2294.163	0.00%	100.00%

Zonal flux distribution table

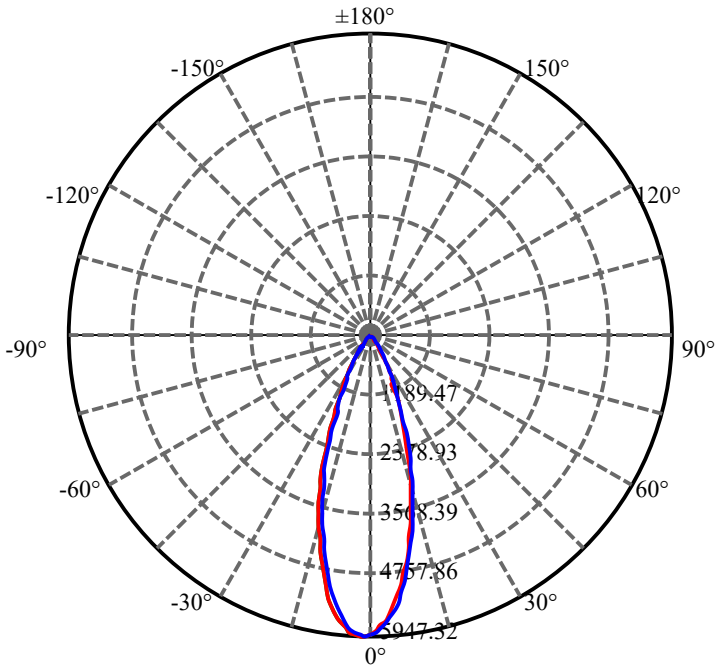
ZONAL LUMEN SUMMARY

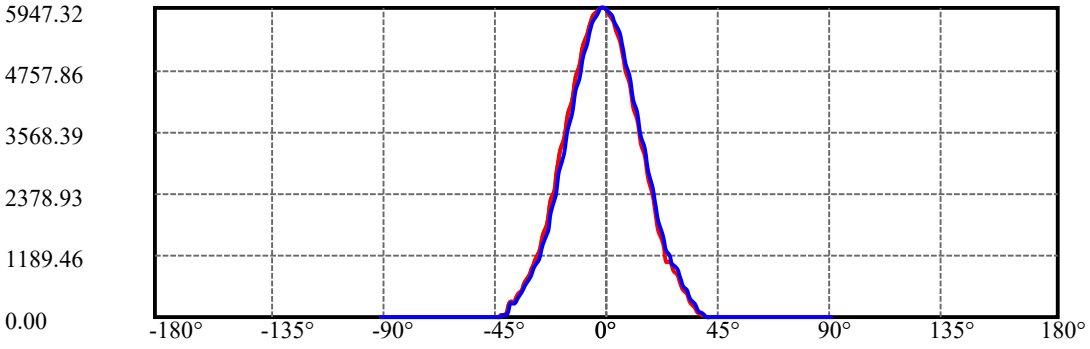
Zone	Lumens	%Lamp	%Fixt
0-30	2069.15	82.40%	90.19%
0-40	2279.28	90.77%	99.35%
0-60	2291.39	91.25%	99.88%
0-90	2294.14	91.36%	100.00%
0-120	2294.14	91.36%	100.00%
0-180	2294.16	91.36%	100.00%
60-90	2.75	0.11%	0.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.34	1835.33	73.09%	80.00%

ZONAL LUMEN SUMMARY

0-10	502.56
10-20	948.46
20-30	618.13
30-40	210.12
40-50	8.53
50-60	3.59
60-70	1.74
70-80	0.72
80-90	0.29
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:

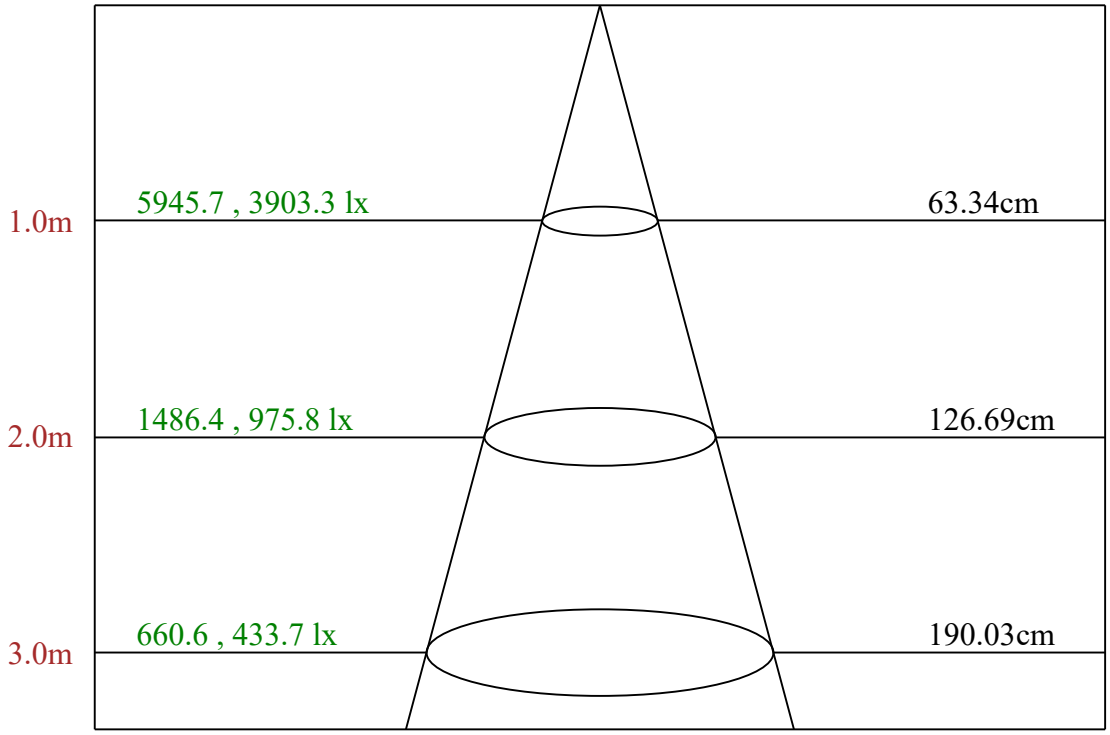
Field angle(10%Imax):C0/180Left:31.3 Right:32.1

:C90/270Left:31.6 Right:32.1

Beam Angle(50%Imax):C0/180Left:17.1 Right:17.5

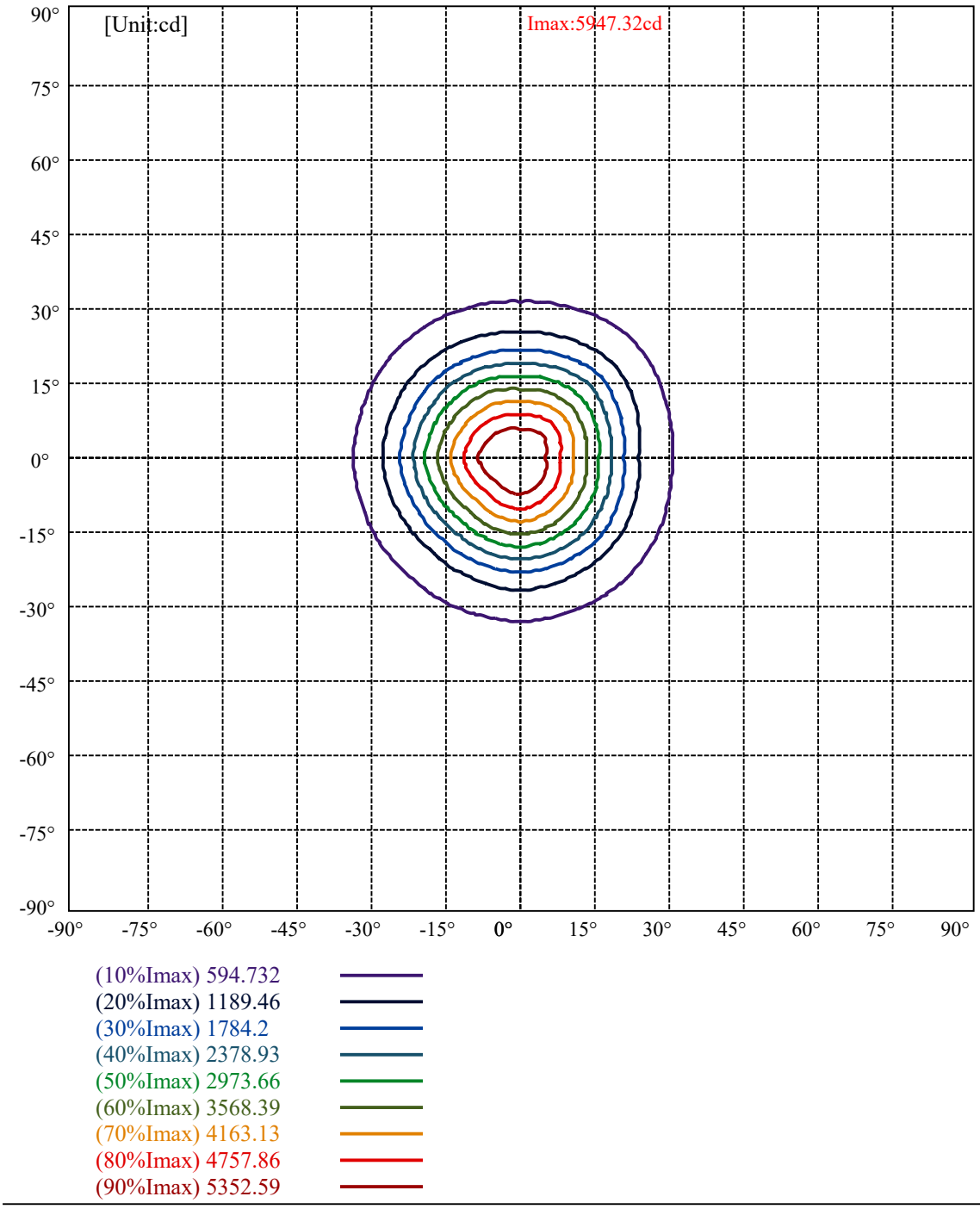
:C90/270Left:16.7 Right:17.1

Lux distance Curve



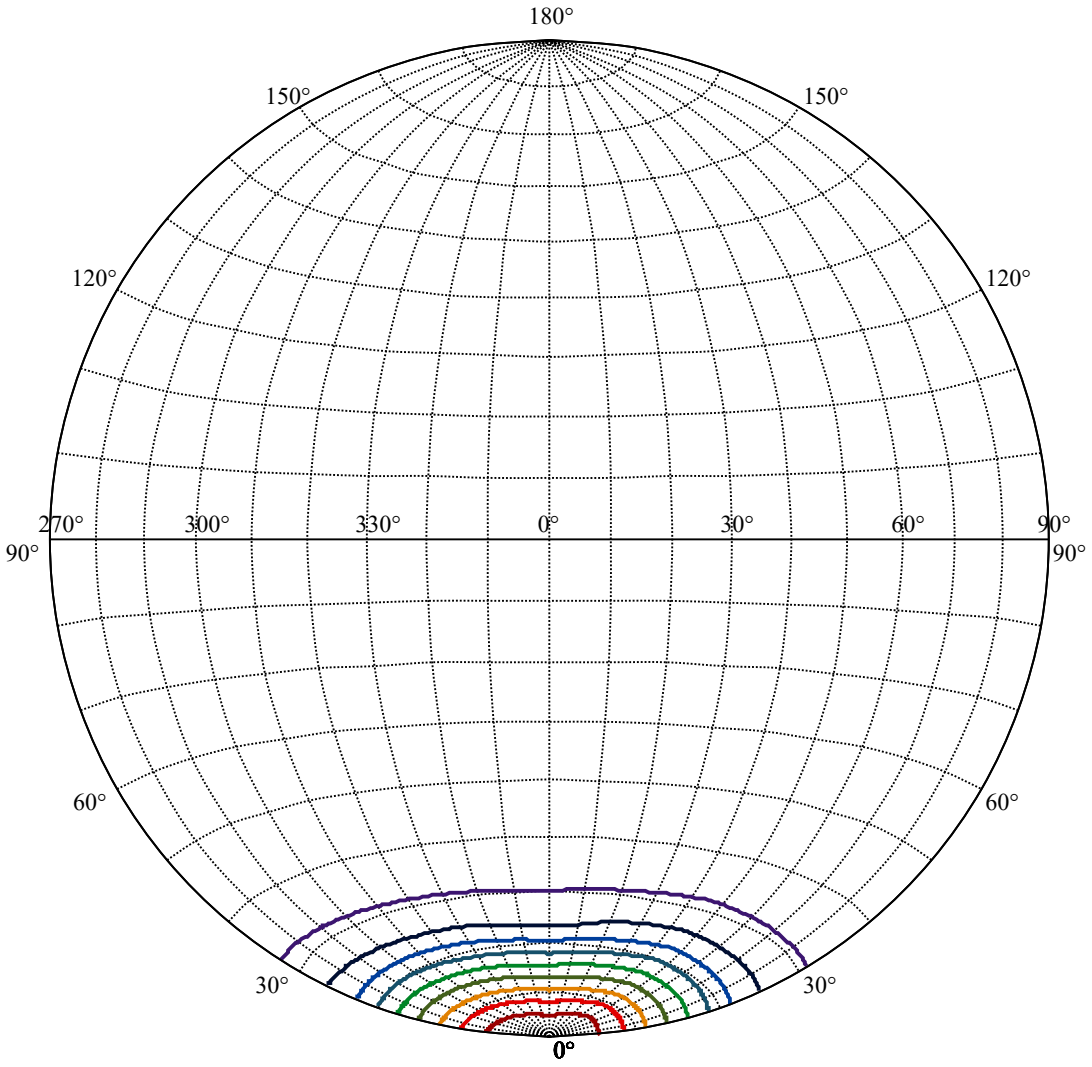
Max , Ave

Beam angle of C180 plane 35.15



Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/3/28
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



House [Unit:cd] Road

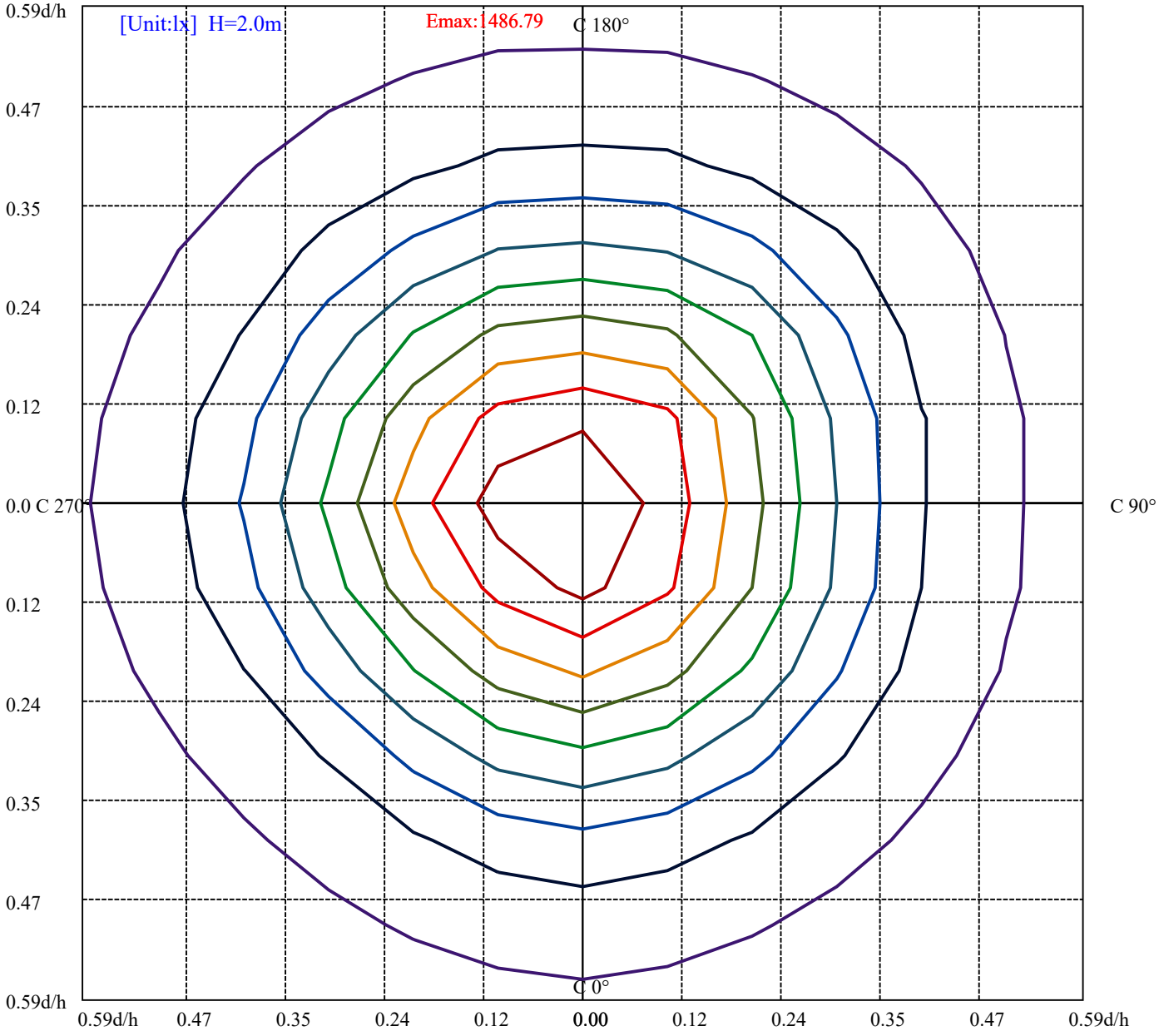
Imax:5947.32

(10%Imax) 594.716
(20%Imax) 1189.43
(30%Imax) 1784.15
(40%Imax) 2378.87
(50%Imax) 2973.58
(60%Imax) 3568.3
(70%Imax) 4163.01
(80%Imax) 4757.73
(90%Imax) 5352.45

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/3/28
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

NT NT 2-2916-L

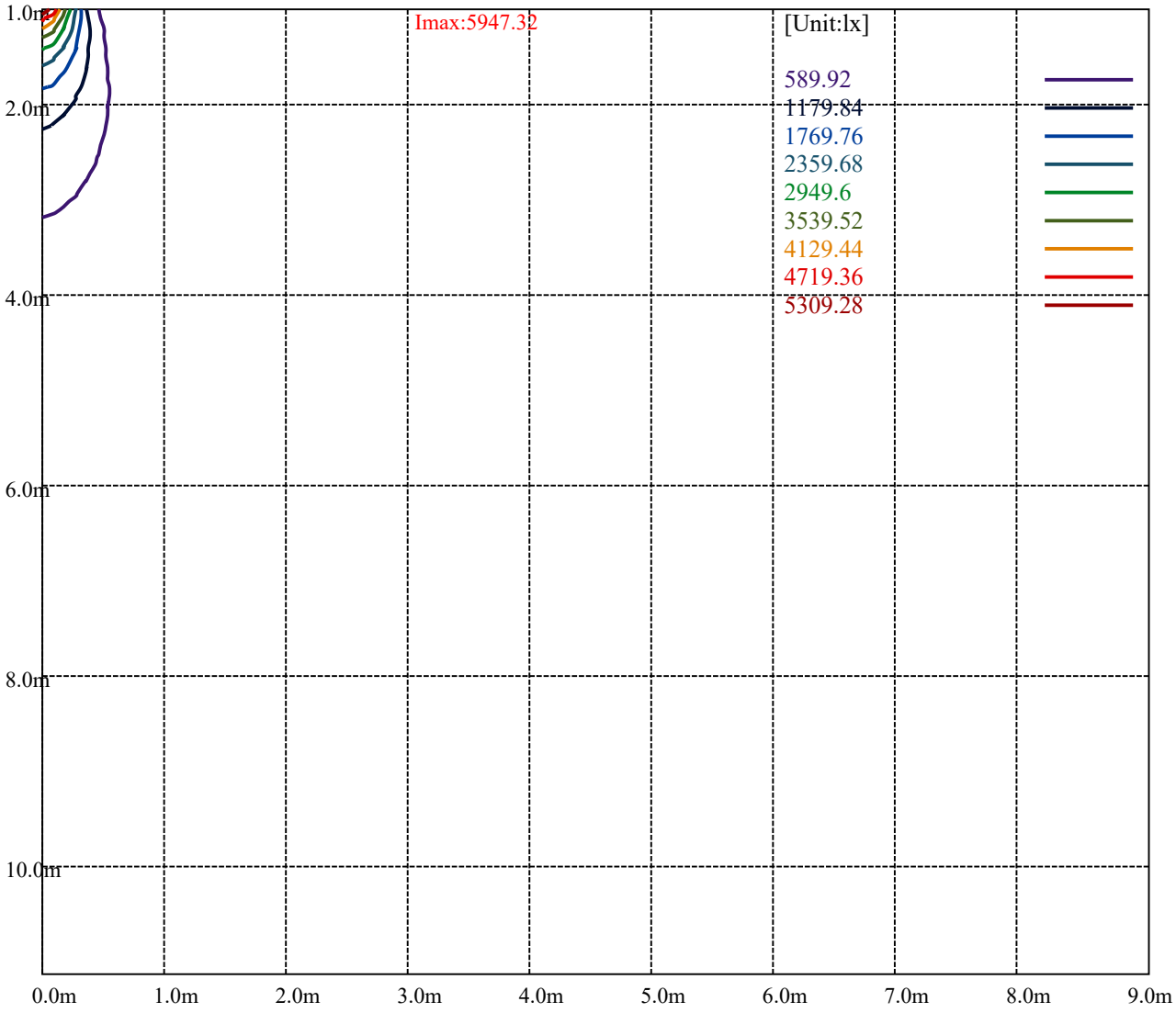
ISO illuminance diagram



Equipment: GMS 1800 Date: 2025/3/28 Operator: NT

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/28
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 2-2916-L

Luminance Limitting Curve(no luminous side)

Luminance Table

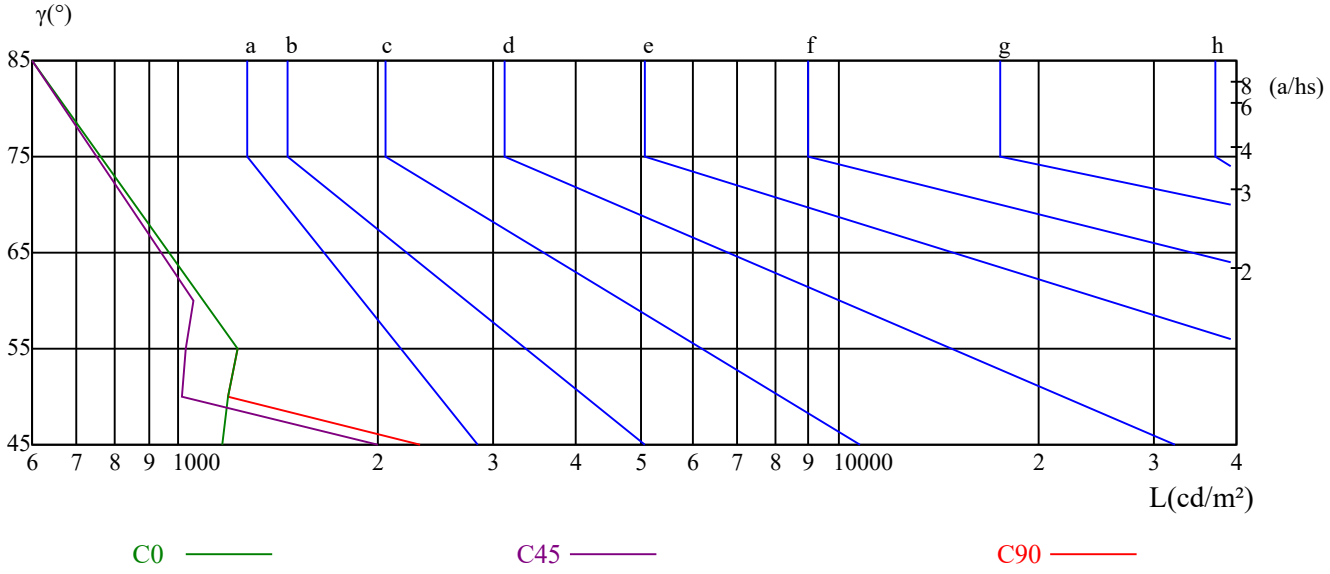
γ	45	50	55	60	65	70	75	80	85
C0	1161	1189	1228	0	0	0	0	0	112
C45	2001	1009	1026	1051	0	0	0	0	82
C90	2323	1189	1228	0	0	0	0	0	0

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	462	0	231

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: 2025/3/28
Humidity(%): 60.0%

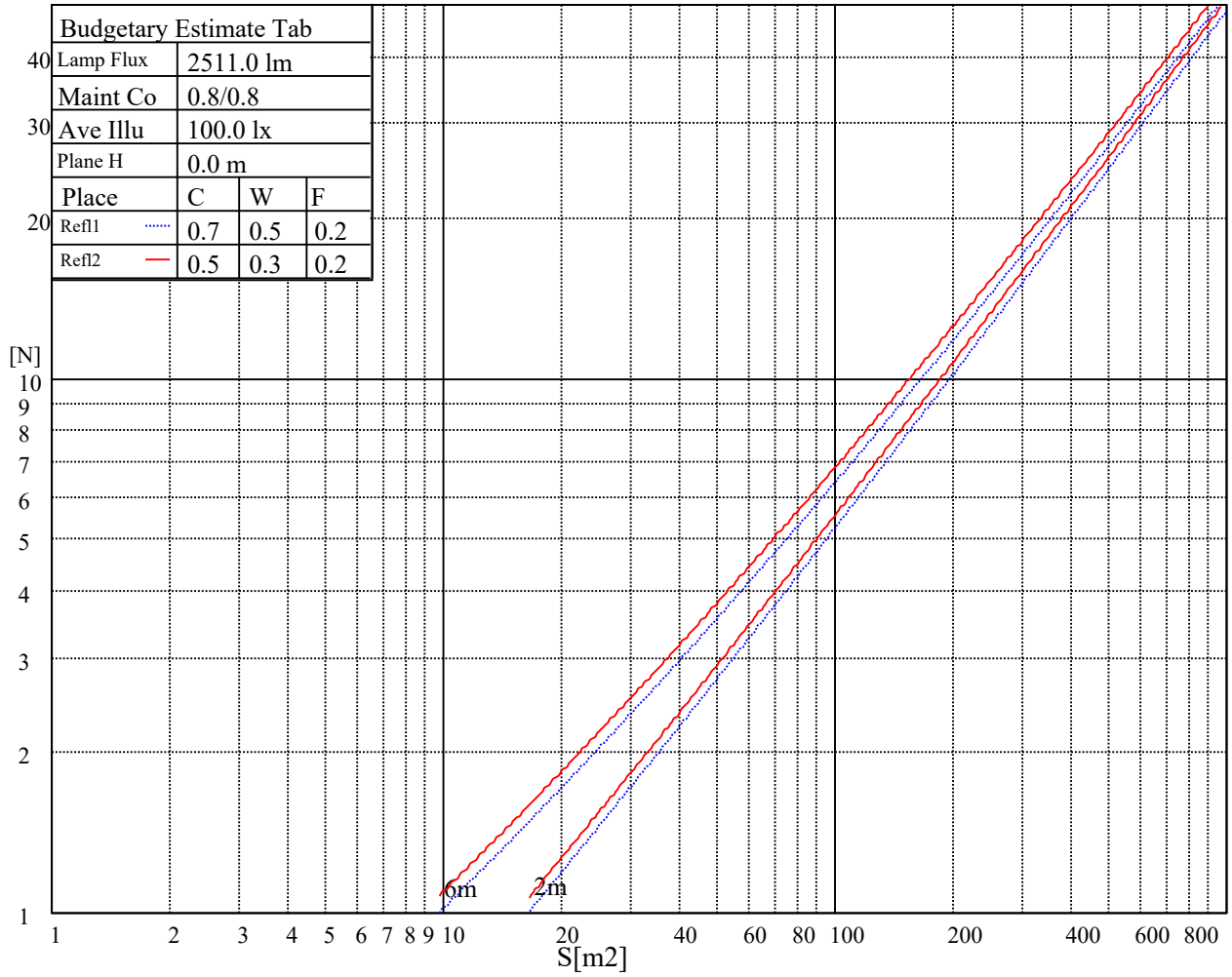
Operator: NT
Distance(m): 7.30

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	13.08	13.97	13.45	14.28	14.59	13.89	14.78	14.26	15.09	15.40
	3H	12.86	13.64	13.25	13.98	14.33	13.67	14.46	14.06	14.79	15.14
	4H	12.75	13.47	13.15	13.83	14.20	13.56	14.28	13.96	14.64	15.01
	6H	12.65	13.31	13.07	13.69	14.09	13.46	14.12	13.88	14.50	14.90
	8H	12.57	13.20	13.00	13.59	14.00	13.38	14.01	13.81	14.40	14.81
	12H	12.50	13.09	12.93	13.49	13.91	13.31	13.90	13.74	14.30	14.72
4H	2H	12.75	13.47	13.15	13.83	14.20	13.56	14.28	13.96	14.64	15.00
	3H	12.48	13.09	12.91	13.49	13.91	13.29	13.90	13.72	14.30	14.72
	4H	12.40	12.92	12.84	13.34	13.80	13.21	13.73	13.65	14.15	14.60
	6H	12.25	12.71	12.72	13.16	13.61	13.06	13.51	13.53	13.97	14.42
	8H	12.18	12.61	12.67	13.07	13.54	12.99	13.42	13.48	13.88	14.35
	12H	12.13	12.52	12.62	12.97	13.49	12.94	13.33	13.43	13.78	14.30
8H	4H	12.18	12.61	12.67	13.07	13.54	12.99	13.41	13.48	13.88	14.35
	6H	12.02	12.36	12.53	12.84	13.36	12.83	13.17	13.34	13.65	14.17
	8H	12.00	12.28	12.54	12.81	13.31	12.81	13.09	13.34	13.61	14.11
	12H	11.94	12.15	12.49	12.67	13.20	12.75	12.96	13.30	13.48	14.00
12H	4H	12.13	12.51	12.62	12.97	13.49	12.93	13.32	13.43	13.78	14.30
	6H	12.00	12.28	12.53	12.81	13.30	12.81	13.09	13.34	13.61	14.11
	8H	11.94	12.15	12.49	12.67	13.19	12.75	12.96	13.29	13.48	14.00

Variation with the observer position at spacings:		
S = 1.0H	6.3/-17.2	6.2/-17.0
S = 1.5H	9.1/-18.5	9.0/-18.2
S = 2.0H	11.1/-19.2	11.0/-18.9
Standard tables:	BK0	BK0
Uncorrected UGR	-5.3	-6.2

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

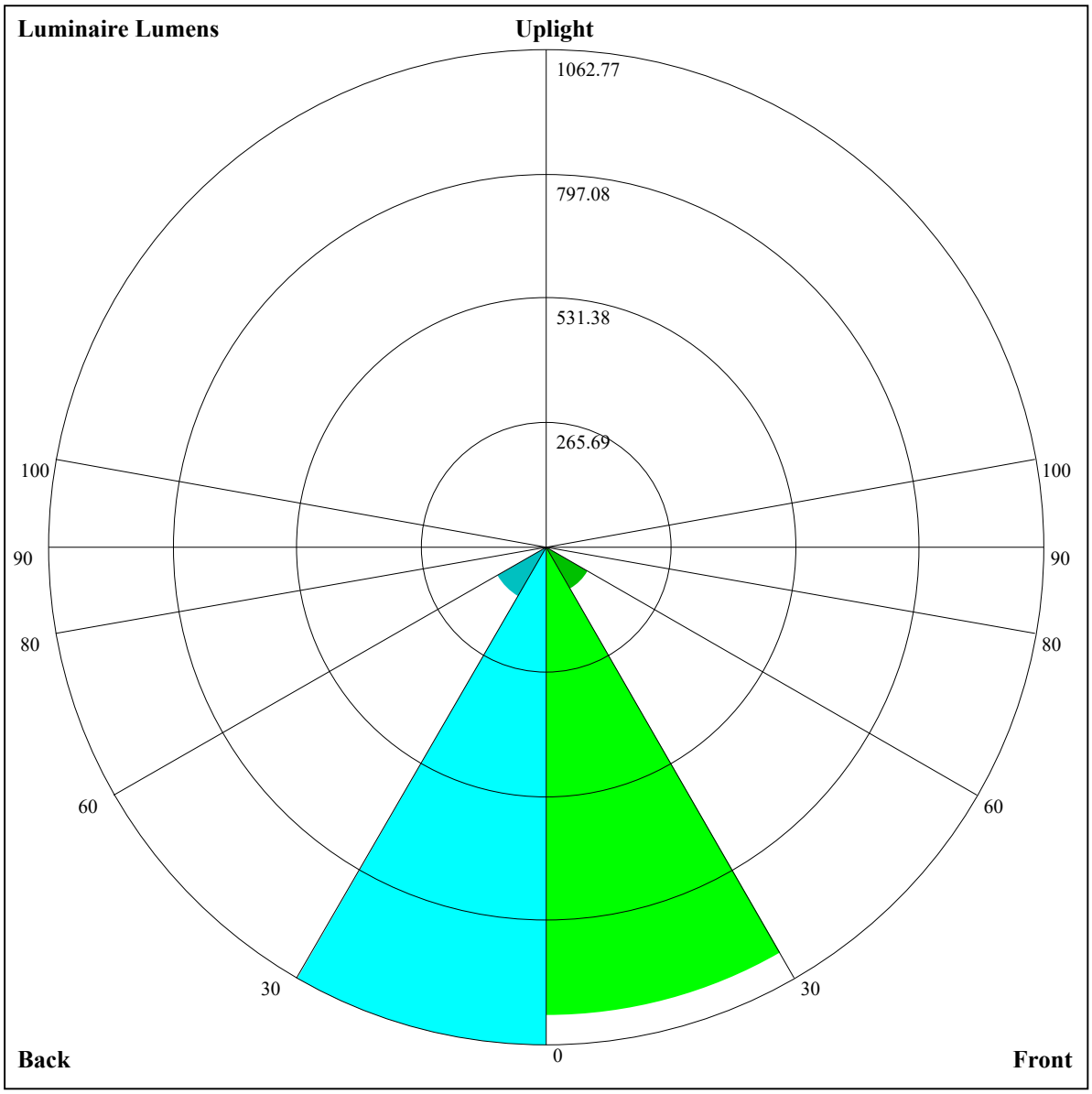
Budgetary Estimate Table



Equipment: GMS 1800 Date: 2025/3/28 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	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.01	0.99	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.93	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.85	0.88	0.86	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.79
4	0.87	0.83	0.80	0.86	0.83	0.80	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.73
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.69
7	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
8	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.63	0.61	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59



Luminaire Lumens:
FL=1001.7,FM=104,FH=1.19,FVH=0.15
BL=1062.77,BM=121.48,BH=1.29,BVH=0.16
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	5900.96	5826.89	5728.30	5651.03	5506.08	5336.62	5147.97	4946.00	4728.05
45.0	5945.73	5931.87	5884.97	5813.57	5706.99	5578.56	5427.21	5251.89	5057.91
90.0	5922.81	5887.11	5797.58	5698.99	5597.21	5455.46	5283.86	5095.22	4885.79
135.0	5938.80	5921.21	5899.36	5797.05	5742.16	5629.72	5494.36	5336.09	5149.04
180.0	5900.96	5938.80	5947.32	5924.94	5875.92	5798.11	5694.20	5570.03	5422.42
225.0	5945.73	5928.14	5883.91	5842.88	5751.22	5576.96	5487.96	5314.24	5121.86
270.0	5922.81	5943.59	5930.27	5882.84	5804.51	5701.12	5567.37	5414.96	5230.57
315.0	5938.80	5925.47	5877.51	5792.78	5689.40	5555.64	5391.51	5211.92	5009.95
360.0	5900.96	5826.89	5728.30	5651.03	5506.08	5336.62	5147.97	4946.00	4728.05

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4508.49	4277.22	4042.74	3811.46	3579.65	3343.04	3103.24	2859.17	2614.57
45.0	4840.49	4619.34	4389.66	4157.31	3918.57	3679.83	3445.89	3303.61	2974.81
90.0	4657.71	4418.43	4186.09	3945.75	3705.95	3471.47	3235.40	2999.85	2764.31
135.0	4944.94	4726.98	4497.84	4263.89	4028.88	3795.47	3563.13	3328.12	3087.78
180.0	5246.03	5044.06	4829.30	4606.55	4374.74	4142.92	3907.38	3675.04	3441.10
225.0	4909.23	4682.22	4452.01	4208.47	3971.86	3738.99	3502.91	3262.04	3008.38
270.0	5029.67	4811.18	4579.90	4343.29	4103.49	3867.42	3627.61	3384.61	3140.54
315.0	4792.53	4568.18	4333.17	4098.69	3869.55	3637.20	3399.53	3154.93	2908.73
360.0	4508.49	4277.22	4042.74	3811.46	3579.65	3343.04	3103.24	2859.17	2614.57

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2371.56	2128.03	1891.42	1675.06	1484.29	1318.55	1060.68	1060.68	980.59
45.0	2733.94	2589.52	2356.64	2122.70	1898.35	1684.66	1492.81	1331.88	1190.66
90.0	2529.84	2288.97	2059.82	1841.33	1636.70	1461.90	1308.43	1182.13	1028.18
135.0	2846.38	2599.11	2356.64	2120.57	1891.42	1726.22	1494.41	1333.48	1221.03
180.0	3205.55	3007.85	2752.59	2450.43	2251.13	2008.66	1788.57	1579.68	1401.69
225.0	2755.25	2505.86	2257.52	2017.19	1832.80	1583.41	1405.42	1277.52	1035.26
270.0	2895.94	2748.86	2397.68	2246.87	2004.93	1693.18	1572.21	1394.76	1239.15
315.0	2762.71	2417.39	2268.72	2029.44	1801.36	1587.14	1404.88	1190.13	1029.35
360.0	2371.56	2128.03	1891.42	1675.06	1484.29	1318.55	1060.68	1060.68	980.59

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	895.38	801.43	704.28	607.51	517.39	428.24	345.64	264.21	187.37
45.0	1073.42	974.83	878.91	778.73	678.01	585.82	489.36	400.90	320.43
90.0	1009.05	908.75	802.39	701.40	603.56	510.78	421.31	331.36	252.17
135.0	1099.00	994.55	890.64	790.98	690.80	593.81	504.28	415.82	326.83
180.0	1248.21	1117.65	1007.34	908.75	808.57	712.11	618.32	530.40	441.40
225.0	1035.26	940.78	849.23	754.91	662.13	574.57	481.53	396.53	318.25
270.0	1106.46	999.88	914.08	828.29	735.03	645.50	555.44	468.05	382.78
315.0	990.18	906.09	817.31	727.67	632.61	540.41	456.06	371.11	317.02
360.0	895.38	801.43	704.28	607.51	517.39	428.24	345.64	264.21	187.37

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	120.76	65.12	28.88	19.56	13.70	11.72	10.50	8.53	8.15
45.0	285.26	285.26	113.61	61.12	26.86	15.40	13.43	11.56	9.91
90.0	177.88	114.36	58.99	30.00	16.36	14.02	12.52	10.60	9.38
135.0	281.53	281.53	130.72	54.94	31.87	16.41	13.54	12.52	10.60
180.0	358.80	277.27	277.27	205.86	89.95	42.85	19.29	14.65	13.00
225.0	236.29	192.32	99.01	47.37	20.78	15.13	14.07	12.26	10.34
270.0	298.05	267.68	267.68	101.41	48.28	21.48	15.67	13.86	11.67
315.0	237.46	134.98	102.53	52.92	23.07	15.24	13.48	11.35	9.11
360.0	120.76	65.12	28.88	19.56	13.70	11.72	10.50	8.53	8.15

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	7.51	6.93	6.45	5.86	5.38	4.96	4.64	4.26	3.94
45.0	8.74	8.05	7.41	6.87	6.29	5.81	5.33	5.06	4.58
90.0	8.47	7.83	7.25	6.66	6.08	5.70	5.22	4.80	4.42
135.0	9.38	8.37	7.67	7.09	6.61	6.13	5.60	5.12	4.74
180.0	11.14	9.59	8.42	7.78	7.25	6.71	6.13	5.76	5.28
225.0	8.74	7.99	7.41	6.77	6.29	5.81	5.33	4.90	4.53
270.0	9.70	8.47	7.83	7.25	6.71	6.18	5.65	5.22	4.85
315.0	8.05	7.46	6.87	6.34	5.81	5.38	4.85	4.53	4.16
360.0	7.51	6.93	6.45	5.86	5.38	4.96	4.64	4.26	3.94

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	3.68	3.41	3.09	2.82	2.61	2.45	2.24	2.08	1.87
45.0	4.21	4.05	3.62	3.46	3.20	2.93	2.72	2.50	2.29
90.0	4.16	3.84	3.52	3.25	3.04	2.77	2.50	2.40	2.13
135.0	4.42	4.10	3.73	3.52	3.25	2.98	2.66	2.45	2.29
180.0	4.85	4.58	4.21	3.89	3.68	3.30	3.09	2.77	2.56
225.0	4.26	3.94	3.68	3.36	3.09	2.82	2.61	2.45	2.18
270.0	4.48	4.16	3.84	3.62	3.25	2.98	2.88	2.61	2.40
315.0	3.89	3.57	3.41	3.14	2.82	2.66	2.45	2.24	2.03
360.0	3.68	3.41	3.09	2.82	2.61	2.45	2.24	2.08	1.87

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1.76	1.60	1.49	1.33	1.23	1.12	1.01	0.91	0.85
45.0	2.08	1.92	1.81	1.60	1.49	1.33	1.23	1.12	0.96
90.0	1.97	1.81	1.60	1.49	1.39	1.28	1.17	1.07	0.91
135.0	2.13	1.92	1.76	1.65	1.49	1.33	1.23	1.12	1.07
180.0	2.34	2.13	1.97	1.81	1.65	1.49	1.33	1.28	1.12
225.0	2.03	1.87	1.71	1.55	1.39	1.28	1.23	1.07	0.96
270.0	2.24	1.97	1.81	1.71	1.55	1.39	1.23	1.17	1.07
315.0	1.87	1.71	1.60	1.39	1.28	1.17	1.07	0.96	0.85
360.0	1.76	1.60	1.49	1.33	1.23	1.12	1.01	0.91	0.85

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.75	0.69	0.59	0.59	0.48	0.43	0.43	0.43	0.37
45.0	0.91	0.85	0.75	0.64	0.64	0.53	0.48	0.48	0.43
90.0	0.85	0.80	0.69	0.59	0.59	0.48	0.48	0.43	0.37
135.0	0.91	0.80	0.75	0.69	0.64	0.53	0.48	0.48	0.48
180.0	1.07	0.91	0.85	0.80	0.69	0.59	0.59	0.48	0.48
225.0	0.85	0.80	0.75	0.64	0.59	0.53	0.53	0.43	0.37
270.0	0.91	0.85	0.80	0.69	0.59	0.59	0.48	0.43	0.37
315.0	0.80	0.75	0.59	0.59	0.48	0.48	0.43	0.32	0.32
360.0	0.75	0.69	0.59	0.59	0.48	0.43	0.43	0.43	0.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.32	0.32	0.27	0.27	0.32	0.27	0.27	0.21	0.21
45.0	0.37	0.32	0.32	0.32	0.32	0.32	0.27	0.27	0.21
90.0	0.32	0.37	0.32	0.27	0.27	0.32	0.27	0.21	0.21
135.0	0.37	0.32	0.37	0.27	0.27	0.27	0.27	0.27	0.21
180.0	0.43	0.37	0.37	0.32	0.32	0.32	0.27	0.21	0.27
225.0	0.32	0.37	0.27	0.32	0.32	0.21	0.27	0.21	0.16
270.0	0.37	0.37	0.32	0.32	0.27	0.32	0.27	0.21	0.21
315.0	0.32	0.27	0.27	0.27	0.27	0.21	0.21	0.16	0.11
360.0	0.32	0.32	0.27	0.27	0.32	0.27	0.27	0.21	0.21

Intensity data(cd)

C/γ(°)	90.0
0.0	0.27
45.0	0.27
90.0	0.27
135.0	0.21
180.0	0.21
225.0	0.21
270.0	0.21
315.0	0.11
360.0	0.27