NATA LIGHTING CO.,LTD
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000(10 lines) Fax:+86 0750-377 1111
Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT
LumCAT: 1-1808-M
Luminaire: 92.70.458.00
Report No: 20251216-B001
Ballast type: DC

Test No: 20251216-C001	Voltage(V): 34.120
LampCAT: PHILIPS SLM 1202 L06 1313	Current(A): 0.144
Lamp flux(lm): 858.0	Power (W): 4.913
Number of Lamps: 1	PF: 0.000
Length(mm): 35	Width(mm): 35
Phm Type: C	Height(mm): 15

Photometric Results

Lumens(lm): 821.99, Efficiency(%): 95.81% , Luminous Efficacy(lm/W): 167.31
Central intensity(cd): 1500.053, Maximum intensity(cd): 1500.053
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.2
[C90/270]Total=37.2
Field angle(10%Imax): [C0/180]Total=80.8
[C90/270]Total=80.8
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.63 C90_270=0.63
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.81%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.004%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1500.053	0.000	0	0.00%	0.00%
1.0	1497.545	1.434	1.434	0.17%	0.17%
2.0	1489.525	4.287	5.722	0.50%	0.70%
3.0	1476.715	7.094	12.816	0.83%	1.56%
4.0	1458.437	9.825	22.641	1.15%	2.75%
5.0	1436.207	12.453	35.093	1.45%	4.27%
6.0	1406.776	14.941	50.034	1.74%	6.09%
7.0	1376.269	17.274	67.308	2.01%	8.19%
8.0	1337.171	19.420	86.728	2.26%	10.55%
9.0	1296.685	21.346	108.074	2.49%	13.15%
10.0	1248.555	23.033	131.107	2.68%	15.95%
11.0	1197.659	24.443	155.55	2.85%	18.92%
12.0	1139.874	25.553	181.103	2.98%	22.03%
13.0	1083.757	26.389	207.492	3.08%	25.24%
14.0	1022.129	26.955	234.447	3.14%	28.52%
15.0	961.555	27.233	261.68	3.17%	31.83%
16.0	899.851	27.275	288.954	3.18%	35.15%
17.0	842.324	27.130	316.085	3.16%	38.45%
18.0	785.131	26.833	342.918	3.13%	41.72%
19.0	727.227	26.312	369.23	3.07%	44.92%
20.0	675.620	25.676	394.906	2.99%	48.04%
21.0	626.253	24.999	419.904	2.91%	51.08%
22.0	578.382	24.208	444.112	2.82%	54.03%
23.0	530.780	23.273	467.385	2.71%	56.86%
24.0	487.053	22.253	489.639	2.59%	59.57%
25.0	449.387	21.293	510.931	2.48%	62.16%
26.0	413.767	20.375	531.306	2.37%	64.64%
27.0	383.119	19.496	550.802	2.27%	67.01%
28.0	355.809	18.708	569.51	2.18%	69.28%
29.0	336.109	18.103	587.613	2.11%	71.49%
30.0	318.972	17.687	605.3	2.06%	73.64%
31.0	304.795	17.359	622.658	2.02%	75.75%
32.0	292.996	17.126	639.784	2.00%	77.83%
33.0	282.770	16.962	656.747	1.98%	79.90%
34.0	273.125	16.823	673.57	1.96%	81.94%
35.0	261.552	16.605	690.175	1.94%	83.96%
36.0	247.257	16.201	706.375	1.89%	85.93%
37.0	228.720	15.524	721.899	1.81%	87.82%

NT Nata 1-1808-M

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	207.933	14.575	736.474	1.70%	89.60%
39.0	183.637	13.365	749.839	1.56%	91.22%
40.0	161.138	12.025	761.864	1.40%	92.68%
41.0	135.583	10.566	772.43	1.23%	93.97%
42.0	111.771	8.987	781.417	1.05%	95.06%
43.0	89.423	7.453	788.87	0.87%	95.97%
44.0	67.172	5.910	794.78	0.69%	96.69%
45.0	47.494	4.407	799.187	0.51%	97.23%
46.0	32.650	3.134	802.321	0.37%	97.61%
47.0	21.745	2.163	804.484	0.25%	97.87%
48.0	15.038	1.487	805.971	0.17%	98.05%
49.0	11.454	1.088	807.059	0.13%	98.18%
50.0	10.097	0.899	807.958	0.10%	98.29%
51.0	9.204	0.817	808.774	0.10%	98.39%
52.0	8.343	0.753	809.527	0.09%	98.48%
53.0	7.600	0.694	810.221	0.08%	98.57%
54.0	6.900	0.639	810.86	0.07%	98.65%
55.0	6.254	0.587	811.447	0.07%	98.72%
56.0	5.641	0.538	811.985	0.06%	98.78%
57.0	5.189	0.495	812.48	0.06%	98.84%
58.0	4.844	0.464	812.944	0.05%	98.90%
59.0	4.554	0.439	813.383	0.05%	98.95%
60.0	4.295	0.418	813.801	0.05%	99.00%
61.0	4.048	0.398	814.199	0.05%	99.05%
62.0	3.886	0.382	814.582	0.04%	99.10%
63.0	3.714	0.370	814.951	0.04%	99.14%
64.0	3.542	0.356	815.307	0.04%	99.19%
65.0	3.445	0.346	815.653	0.04%	99.23%
66.0	3.316	0.337	815.99	0.04%	99.27%
67.0	3.197	0.327	816.318	0.04%	99.31%
68.0	3.122	0.320	816.638	0.04%	99.35%
69.0	3.003	0.312	816.95	0.04%	99.39%
70.0	2.917	0.304	817.254	0.04%	99.42%
71.0	2.810	0.296	817.55	0.03%	99.46%
72.0	2.734	0.288	817.839	0.03%	99.49%
73.0	2.680	0.283	818.122	0.03%	99.53%
74.0	2.573	0.276	818.398	0.03%	99.56%
75.0	2.508	0.268	818.666	0.03%	99.60%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.422	0.262	818.928	0.03%	99.63%
77.0	2.390	0.257	819.185	0.03%	99.66%
78.0	2.314	0.252	819.436	0.03%	99.69%
79.0	2.239	0.245	819.681	0.03%	99.72%
80.0	2.218	0.240	819.921	0.03%	99.75%
81.0	2.153	0.236	820.158	0.03%	99.78%
82.0	2.078	0.229	820.387	0.03%	99.80%
83.0	2.013	0.222	820.61	0.03%	99.83%
84.0	1.948	0.216	820.825	0.03%	99.86%
85.0	1.884	0.209	821.034	0.02%	99.88%
86.0	1.841	0.204	821.238	0.02%	99.91%
87.0	1.776	0.198	821.436	0.02%	99.93%
88.0	1.712	0.191	821.627	0.02%	99.96%
89.0	1.669	0.185	821.812	0.02%	99.98%
90.0	1.625	0.181	821.993	0.02%	100.00%

Zonal flux distribution table

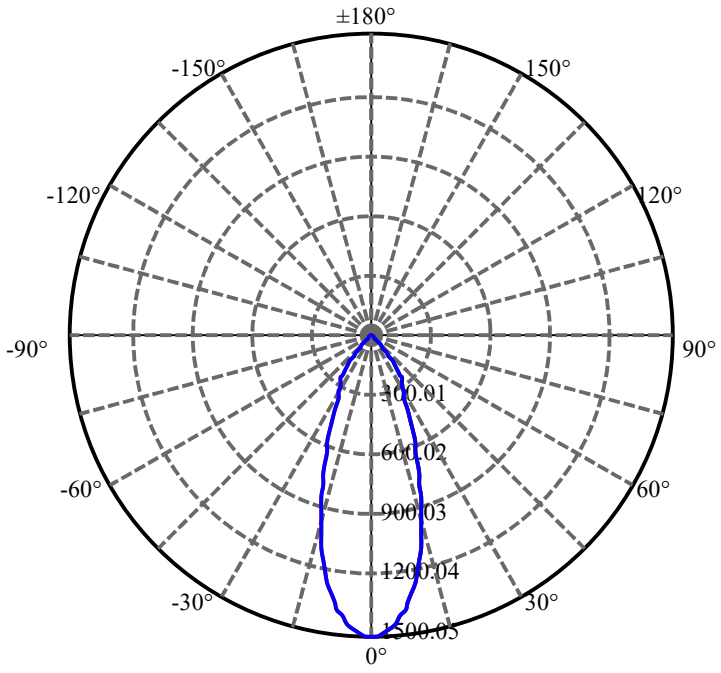
ZONAL LUMEN SUMMARY

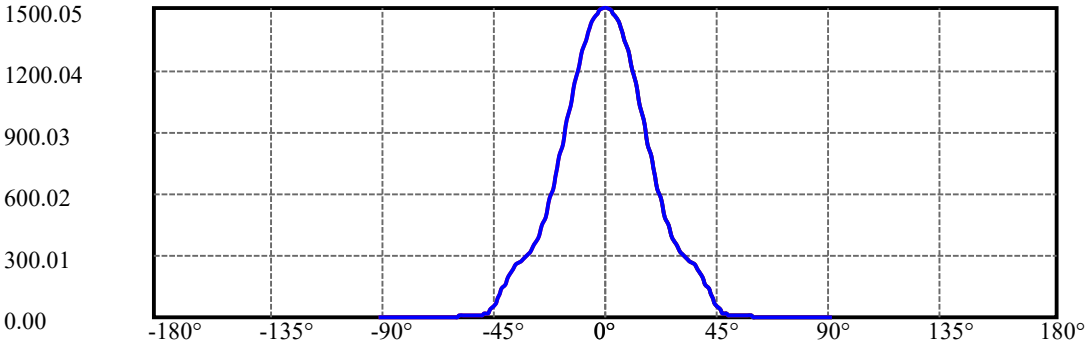
Zone	Lumens	%Lamp	%Fixt
0-30	605.30	70.55%	73.64%
0-40	761.86	88.80%	92.68%
0-60	813.80	94.85%	99.00%
0-90	821.81	95.79%	99.98%
0-120	821.81	95.79%	99.98%
0-180	821.99	95.81%	100.00%
60-90	8.01	0.93%	0.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.05	657.59	76.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	131.11
10-20	263.80
20-30	210.39
30-40	156.56
40-50	46.09
50-60	5.84
60-70	3.45
70-80	2.67
80-90	1.89
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]





C0(Max):

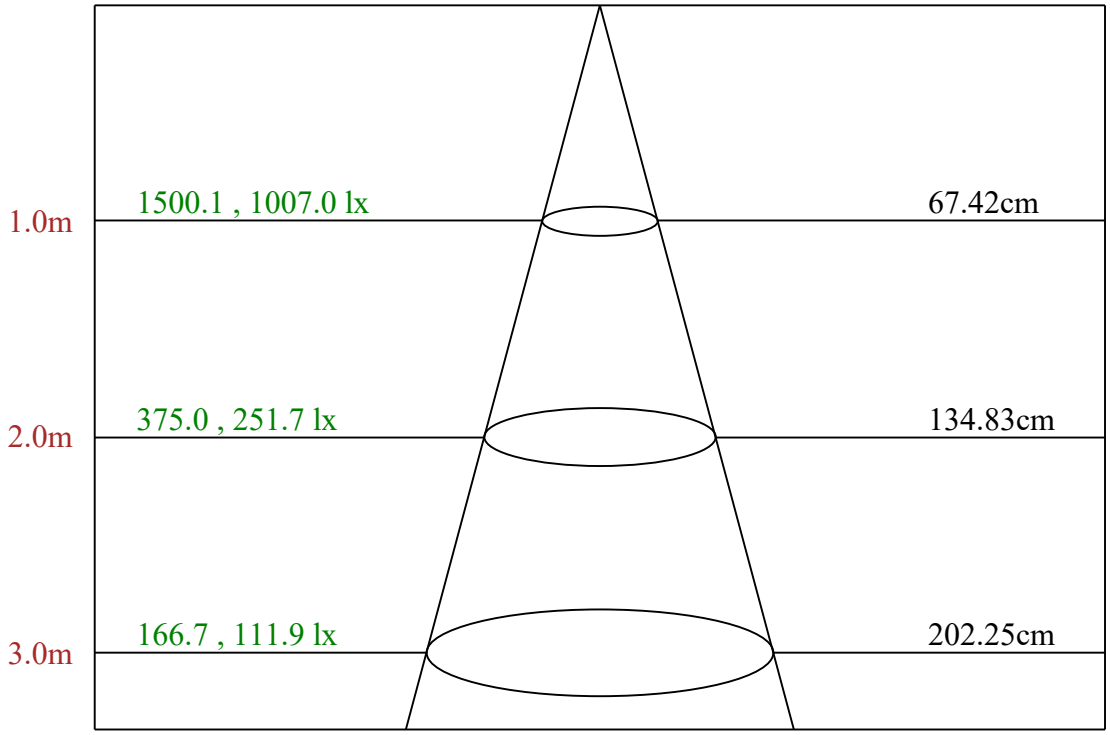
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:40.4 Right:40.4
:C90/270Left:40.4 Right:40.4

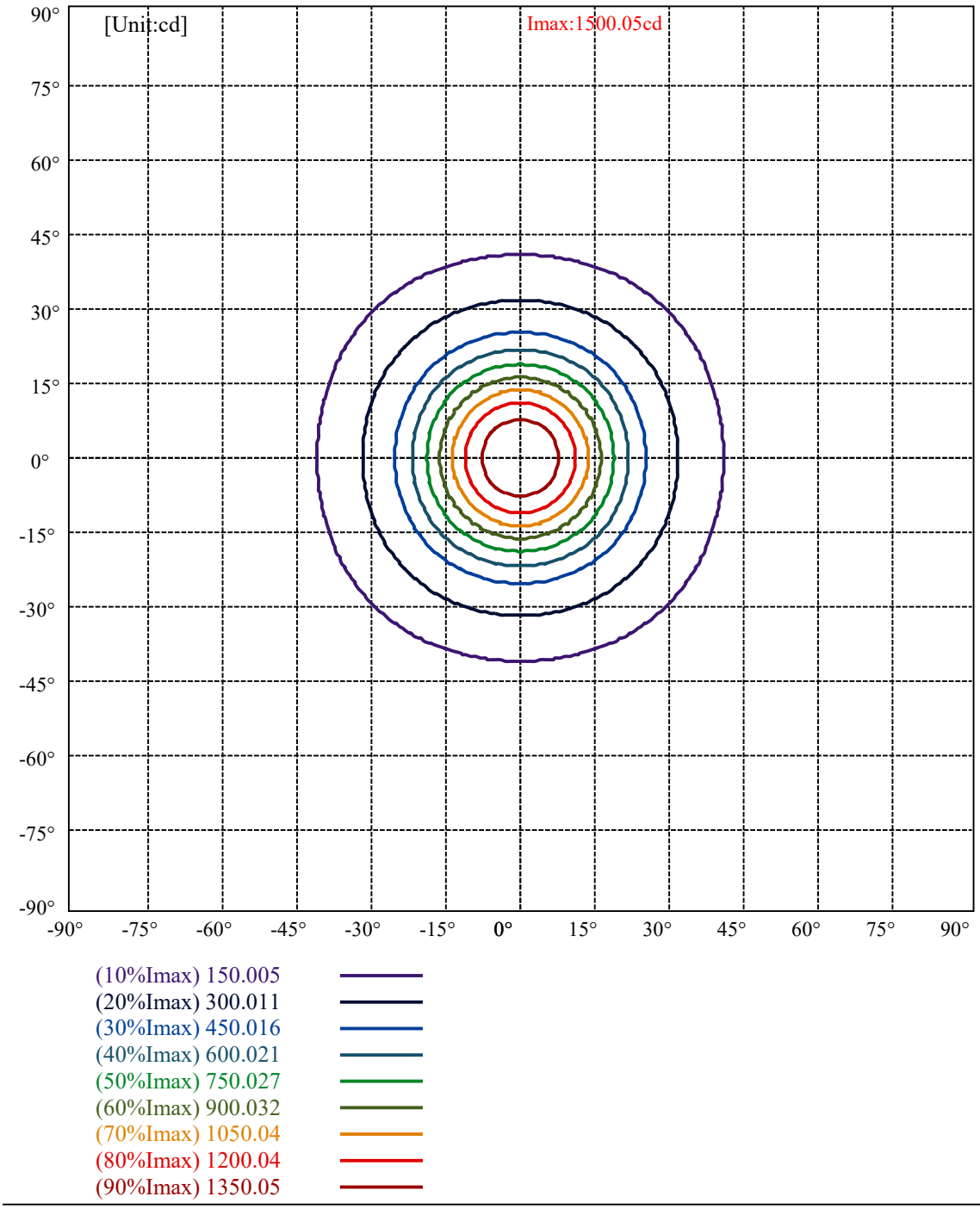
Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6

Lux distance Curve



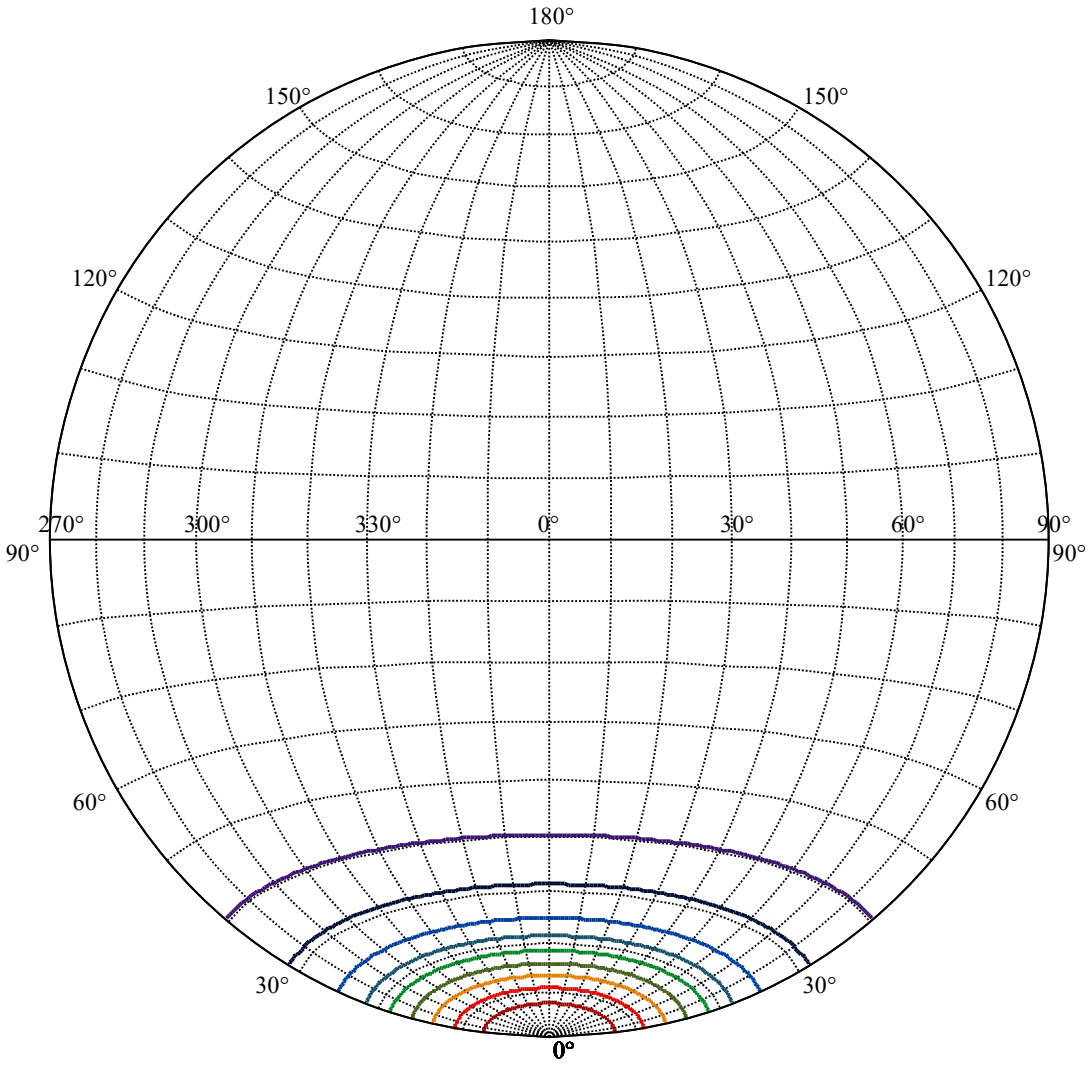
Max , Ave

Beam angle of C0 plane 37.26



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/12/16
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



House [Unit:cd] Road

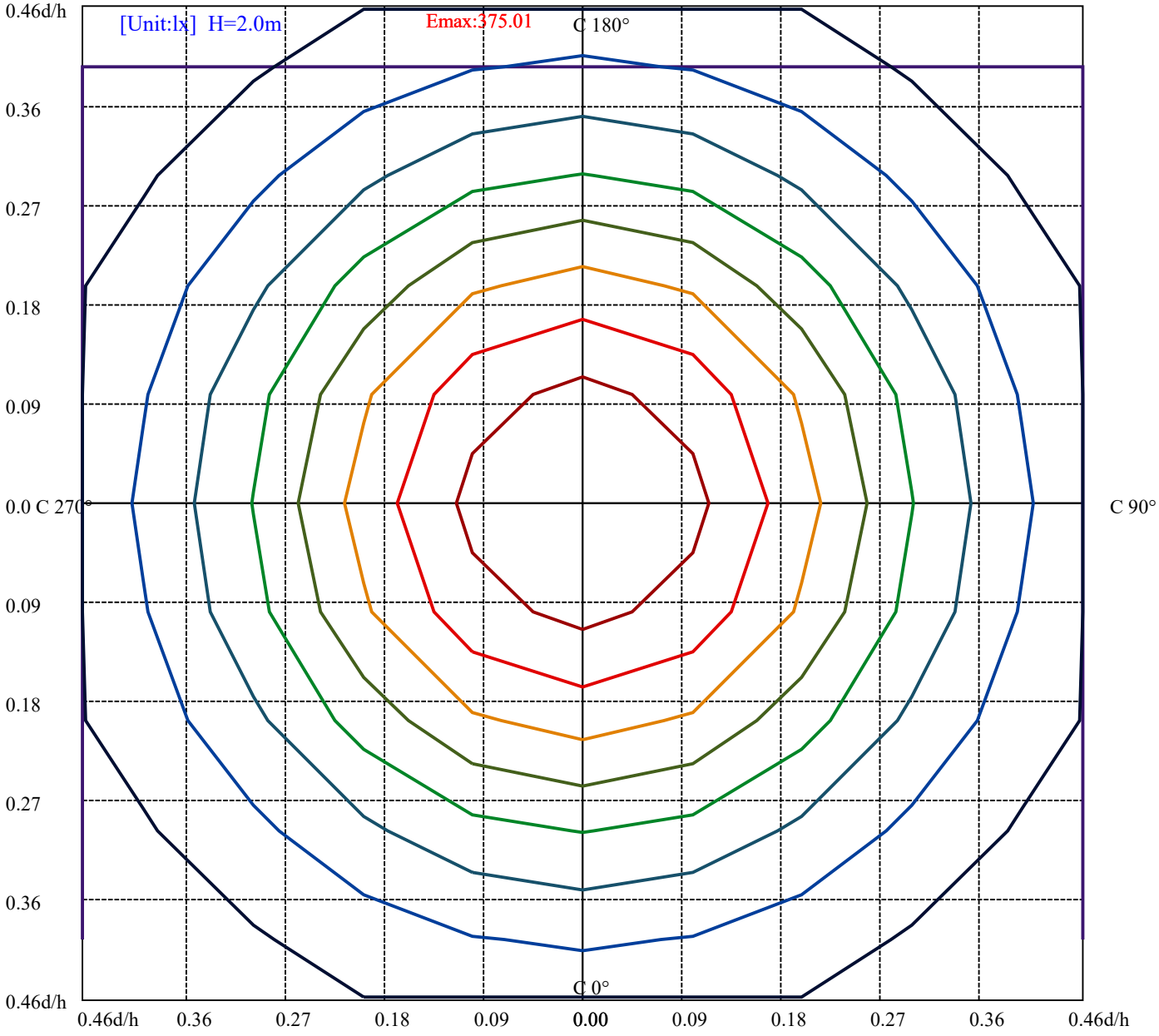
Imax:1500.05

(10%Imax) 150.005
(20%Imax) 300.011
(30%Imax) 450.016
(40%Imax) 600.021
(50%Imax) 750.027
(60%Imax) 900.032
(70%Imax) 1050.04
(80%Imax) 1200.04
(90%Imax) 1350.05

Equipment: GMS1980 Date: 2025/12/16 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

NT Nata 1-1808-M

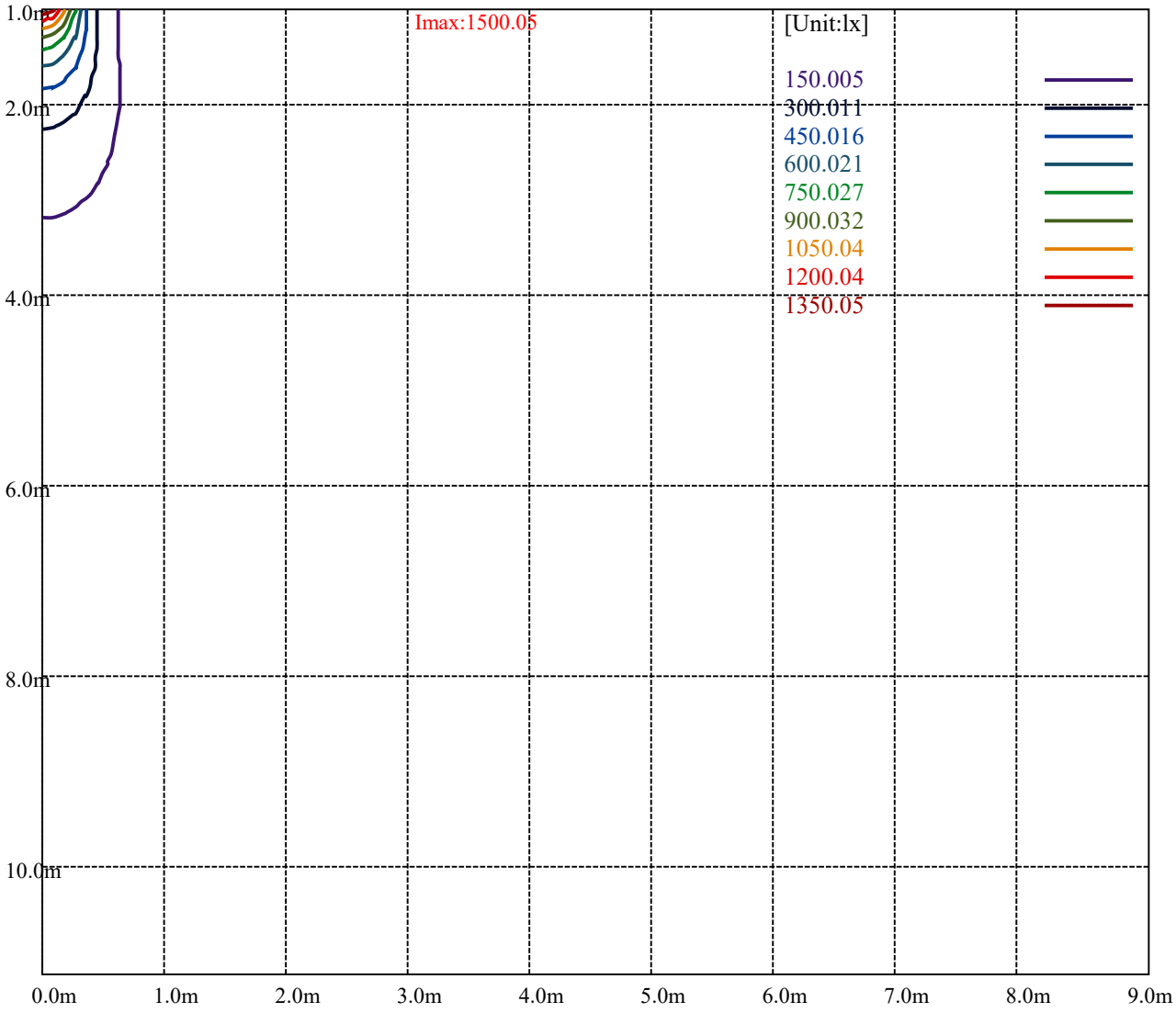
ISO illuminance diagram



Equipment: GMS1980 Date: 2025/12/16 Operator: YZQ

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/12/16
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 1-1808-M

Luminance Limitting Curve(no luminous side)

Luminance Table

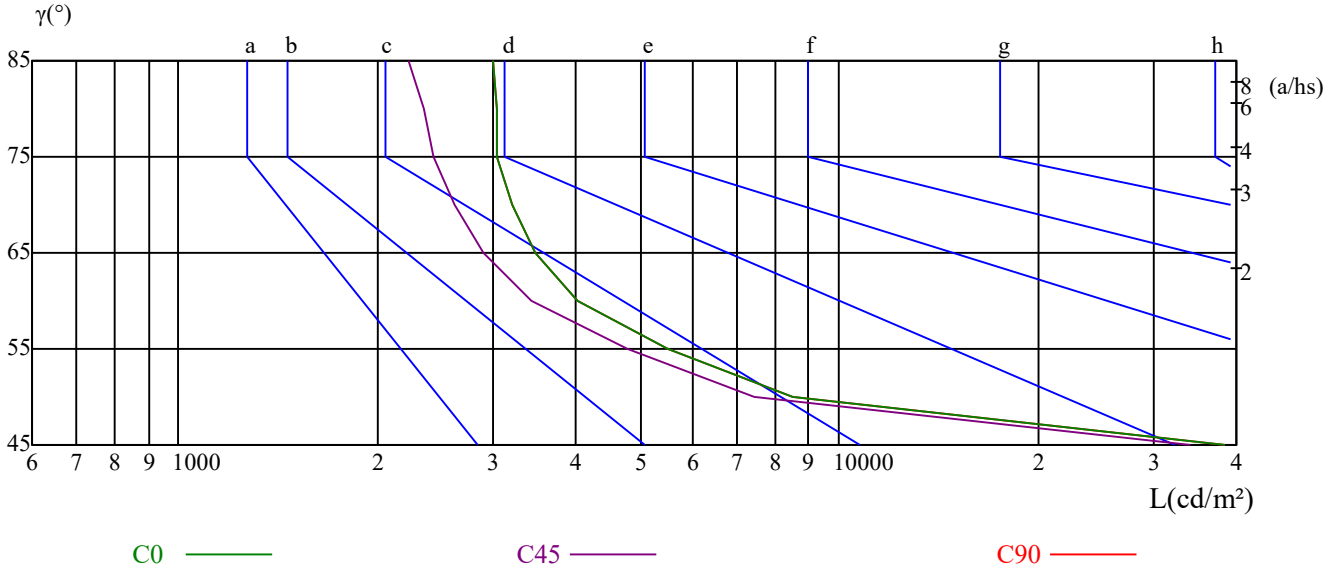
γ	45	50	55	60	65	70	75	80	85
C0	38381	8488	5522	4025	3467	3198	3043	3039	2991
C45	34139	7445	4771	3421	2893	2612	2425	2349	2226
C90	38381	8488	5522	4025	3467	3198	3043	3039	2991

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6654	6654	6654	7911	7911	7911	17645	17645	17645

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

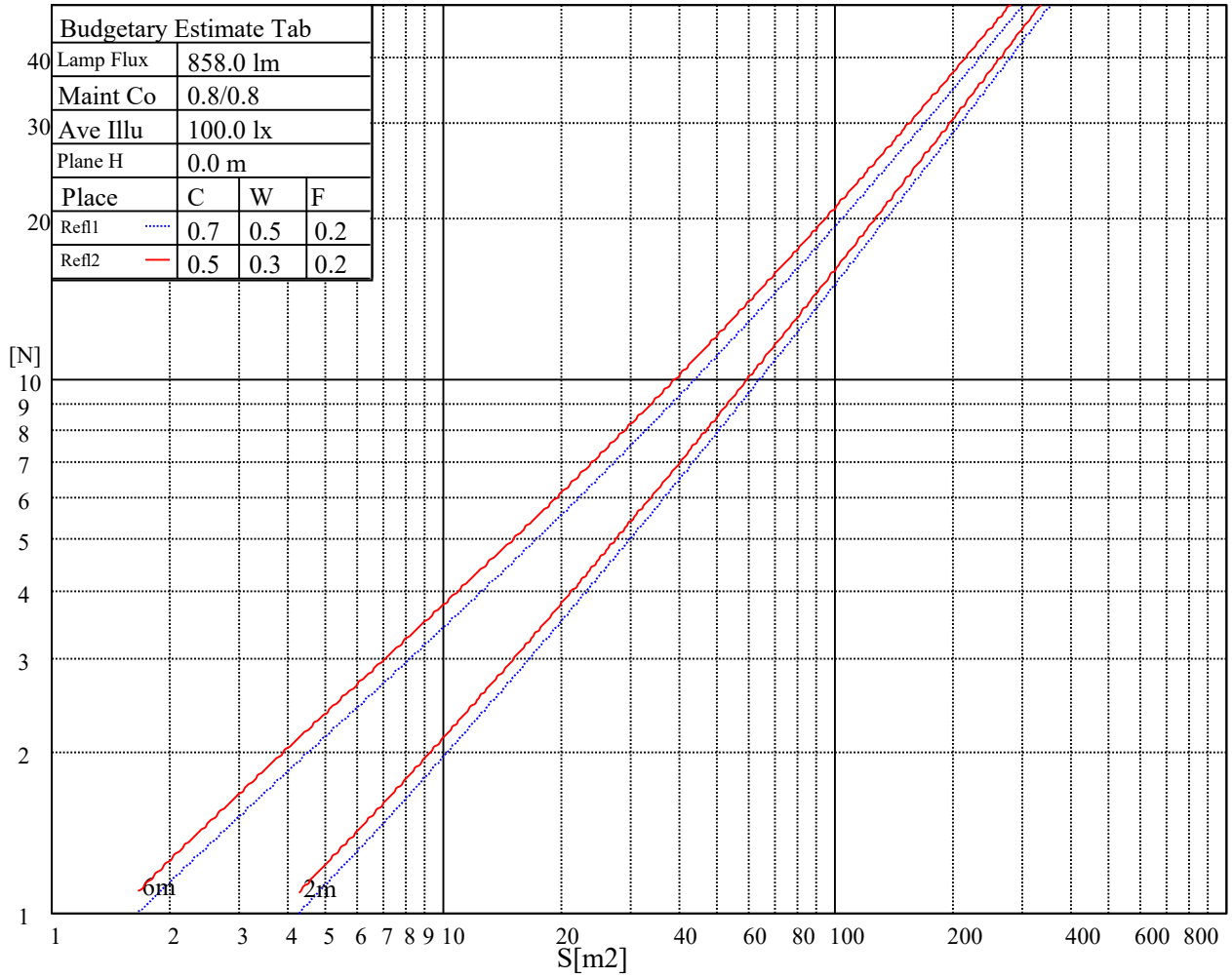


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	21.93	22.91	22.29	23.22	23.54	21.47	22.45	21.83	22.76	23.08
	3H	21.74	22.61	22.13	22.95	23.30	21.29	22.16	21.67	22.49	22.84
	4H	21.66	22.46	22.06	22.81	23.18	21.20	22.00	21.60	22.36	22.73
	6H	21.59	22.32	22.01	22.70	23.10	21.14	21.87	21.56	22.25	22.65
	8H	21.53	22.23	21.95	22.61	23.02	21.08	21.78	21.50	22.16	22.57
	12H	21.47	22.13	21.90	22.53	22.95	21.03	21.69	21.45	22.08	22.50
4H	2H	21.63	22.43	22.03	22.78	23.15	21.17	21.97	21.57	22.33	22.69
	3H	21.42	22.09	21.84	22.48	22.90	20.96	21.63	21.39	22.03	22.44
	4H	21.37	21.94	21.80	22.37	22.82	20.91	21.49	21.35	21.92	22.37
	6H	21.26	21.77	21.73	22.22	22.68	20.81	21.32	21.29	21.78	22.23
	8H	21.22	21.70	21.71	22.16	22.63	20.78	21.26	21.27	21.71	22.19
	12H	21.20	21.64	21.69	22.09	22.61	20.77	21.20	21.26	21.65	22.17
8H	4H	21.18	21.65	21.66	22.11	22.58	20.73	21.20	21.21	21.66	22.13
	6H	21.07	21.46	21.58	21.94	22.45	20.63	21.02	21.14	21.50	22.01
	8H	21.09	21.42	21.63	21.94	22.44	20.66	20.99	21.19	21.51	22.01
	12H	21.09	21.34	21.63	21.85	22.38	20.66	20.91	21.20	21.43	21.95
12H	4H	21.13	21.56	21.62	22.01	22.53	20.68	21.11	21.17	21.56	22.09
	6H	21.06	21.39	21.60	21.91	22.41	20.62	20.95	21.16	21.47	21.97
	8H	21.05	21.30	21.60	21.82	22.34	20.62	20.87	21.16	21.39	21.91

Variation with the observer position at spacings:		
S = 1.0H	3.7/-11.1	3.7/-11.1
S = 1.5H	6.5/-10.3	6.5/-10.3
S = 2.0H	8.4/-9.5	8.4/-9.5
Standard tables:	BK0	BK0
Uncorrected UGR	2.0	2.0

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

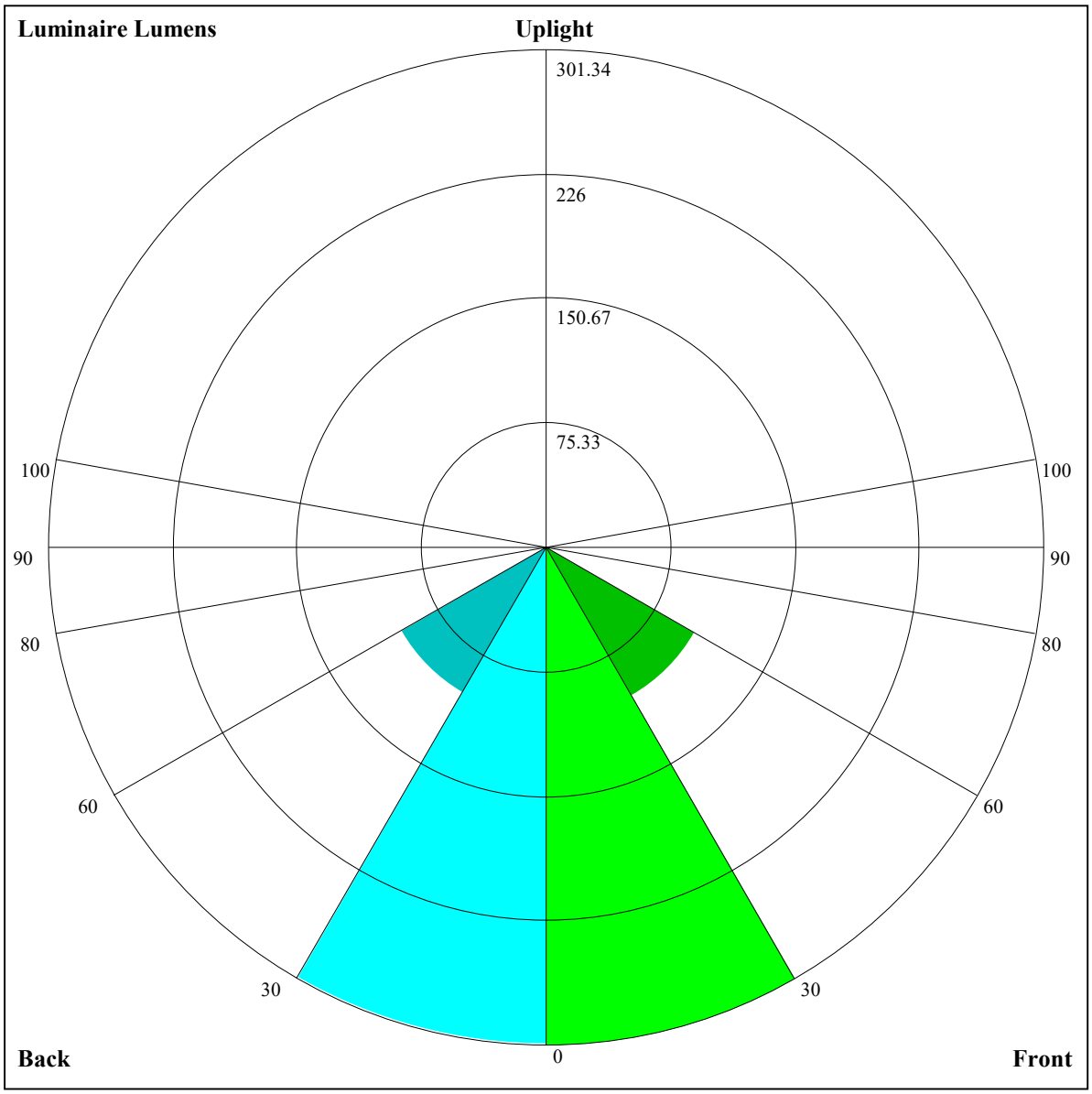
Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/12/16 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.90
2	0.99	0.96	0.93	0.98	0.94	0.91	0.95	0.92	0.89	0.92	0.90	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.85	0.92	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.79
4	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.74
5	0.82	0.77	0.73	0.82	0.77	0.73	0.80	0.76	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.72	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66
7	0.74	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.62
8	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.53



Luminaire Lumens:
FL=301.34,FM=103.84,FH=3.1,FVH=1.04
BL=300.34,BM=102.08,BH=3.07,BVH=1.03
UL=0,UH=0

BUG Rating:B1-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	1502.08	1502.85	1498.46	1490.71	1474.26	1455.92	1426.29	1398.82	1365.67
45.0	1499.24	1504.75	1505.26	1499.84	1490.88	1473.49	1454.71	1431.20	1395.46
90.0	1503.97	1501.47	1492.86	1478.74	1456.18	1432.15	1397.27	1364.29	1327.52
135.0	1494.93	1498.29	1495.79	1484.77	1471.07	1447.56	1423.62	1395.98	1356.36
180.0	1502.08	1496.22	1486.32	1473.57	1451.61	1430.08	1404.42	1374.02	1331.56
225.0	1499.24	1490.62	1475.04	1457.81	1435.77	1410.79	1372.64	1337.25	1296.68
270.0	1503.97	1498.29	1489.16	1472.62	1453.68	1431.46	1405.19	1374.28	1329.84
315.0	1494.93	1487.87	1473.31	1455.66	1434.04	1408.21	1370.06	1334.32	1294.27
360.0	1502.08	1502.85	1498.46	1490.71	1474.26	1455.92	1426.29	1398.82	1365.67

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1318.39	1275.41	1228.31	1177.32	1123.33	1052.54	995.44	939.12	882.11
45.0	1360.50	1321.75	1278.34	1217.71	1164.67	1108.09	1049.44	975.46	916.30
90.0	1288.42	1232.27	1183.53	1131.25	1076.74	1006.55	950.75	894.86	839.91
135.0	1321.49	1283.08	1241.05	1185.08	1136.85	1086.13	1032.13	964.87	909.58
180.0	1293.15	1250.53	1190.33	1140.90	1074.07	1018.26	964.27	911.39	846.72
225.0	1252.08	1191.53	1139.78	1071.74	1015.68	959.53	889.26	834.75	781.09
270.0	1290.40	1245.62	1184.21	1129.96	1072.78	999.06	939.29	865.40	807.27
315.0	1249.06	1188.26	1135.73	1065.03	1005.95	946.87	871.86	812.96	755.60
360.0	1318.39	1275.41	1228.31	1177.32	1123.33	1052.54	995.44	939.12	882.11

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	814.51	764.04	715.90	658.63	614.89	562.35	523.86	488.89	448.07
45.0	859.55	792.38	741.39	693.17	635.55	592.75	540.74	501.47	464.95
90.0	774.89	723.74	663.03	616.18	570.71	515.68	473.65	435.33	400.71
135.0	856.96	792.81	742.34	693.77	635.30	589.39	532.81	490.96	451.86
180.0	795.65	746.73	701.00	645.46	601.36	558.39	519.21	472.19	438.43
225.0	729.51	668.54	622.46	578.11	535.23	486.83	450.66	418.19	382.28
270.0	749.66	695.49	632.71	584.40	537.38	493.11	442.22	405.27	372.81
315.0	700.31	634.09	586.12	540.31	496.64	447.73	413.28	382.80	351.02
360.0	814.51	764.04	715.90	658.63	614.89	562.35	523.86	488.89	448.07

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	418.45	393.56	373.06	351.19	336.46	323.20	311.49	298.40	287.38
45.0	431.19	393.39	368.16	348.26	331.73	315.37	304.17	294.35	286.17
90.0	362.56	336.29	317.43	302.36	286.60	277.04	268.34	259.04	251.12
135.0	414.32	374.79	349.47	329.23	314.50	300.47	291.42	283.76	277.65
180.0	401.74	377.46	357.56	336.72	322.43	310.46	296.68	286.52	274.72
225.0	359.03	335.35	319.50	305.81	290.48	279.54	269.55	258.36	238.03
270.0	344.82	317.78	300.47	283.59	272.31	262.40	252.50	246.38	236.74
315.0	332.85	317.86	303.22	294.61	283.85	275.49	268.00	258.18	240.61
360.0	418.45	393.56	373.06	351.19	336.46	323.20	311.49	298.40	287.38

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	272.82	249.40	227.78	198.42	174.91	150.62	125.39	96.54	74.15
45.0	274.80	261.02	239.93	219.95	197.99	171.55	149.67	127.02	103.86
90.0	239.67	221.07	202.89	176.97	155.62	133.48	111.70	89.91	64.67
135.0	268.69	258.79	240.27	220.55	198.33	169.83	145.63	120.57	95.59
180.0	258.10	237.43	211.59	189.37	166.29	135.29	112.13	90.51	64.50
225.0	218.14	197.56	176.46	148.47	126.68	105.24	79.40	60.80	44.01
270.0	223.22	201.86	183.52	163.45	141.84	114.97	94.47	73.98	51.76
315.0	222.62	202.64	181.02	151.91	127.46	103.69	75.78	56.06	38.84
360.0	272.82	249.40	227.78	198.42	174.91	150.62	125.39	96.54	74.15

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	54.08	36.43	21.01	13.43	10.85	9.90	8.87	8.18	7.32
45.0	77.59	57.87	39.44	25.66	15.33	12.66	11.54	10.33	9.39
90.0	47.02	32.12	21.87	13.61	11.28	10.25	9.21	8.53	7.66
135.0	67.86	49.09	32.72	21.87	13.18	10.76	9.90	9.04	8.27
180.0	46.42	28.42	19.29	13.52	11.88	10.59	9.65	8.61	7.84
225.0	27.30	19.03	13.61	11.97	10.94	9.90	9.13	8.18	7.58
270.0	36.77	23.34	16.19	11.71	10.25	9.39	8.61	7.92	7.15
315.0	22.91	14.90	9.82	8.53	7.92	7.32	6.72	5.94	5.60
360.0	54.08	36.43	21.01	13.43	10.85	9.90	8.87	8.18	7.32

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.72	5.77	5.08	4.74	4.56	4.31	4.13	3.96	3.79
45.0	8.53	7.75	6.63	5.68	5.34	4.99	4.74	4.39	4.22
90.0	7.15	6.54	5.77	5.43	4.99	4.65	4.39	4.13	3.96
135.0	7.58	6.89	6.29	5.60	5.08	4.74	4.39	4.05	3.88
180.0	6.98	6.20	5.60	5.17	4.82	4.48	4.22	3.96	3.79
225.0	6.89	6.37	5.86	5.43	5.08	4.65	4.31	4.05	3.79
270.0	6.54	5.94	5.60	5.25	4.91	4.74	4.48	4.22	4.13
315.0	4.82	4.56	4.31	4.22	3.96	3.88	3.70	3.62	3.53
360.0	6.72	5.77	5.08	4.74	4.56	4.31	4.13	3.96	3.79

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.62	3.53	3.44	3.36	3.19	3.19	3.01	2.93	2.93
45.0	4.05	3.88	3.70	3.53	3.36	3.27	3.19	3.10	2.93
90.0	3.79	3.53	3.44	3.36	3.19	3.10	3.01	2.93	2.84
135.0	3.70	3.53	3.44	3.27	3.19	3.10	3.01	2.93	2.84
180.0	3.62	3.53	3.36	3.27	3.10	3.01	2.93	2.84	2.76
225.0	3.62	3.36	3.27	3.19	3.10	3.01	2.84	2.76	2.67
270.0	3.88	3.70	3.62	3.44	3.36	3.27	3.10	3.01	2.84
315.0	3.44	3.27	3.27	3.10	3.10	3.01	2.93	2.84	2.67
360.0	3.62	3.53	3.44	3.36	3.19	3.19	3.01	2.93	2.93

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.84	2.76	2.67	2.58	2.50	2.41	2.33	2.24	2.24
45.0	2.84	2.76	2.67	2.58	2.50	2.50	2.41	2.33	2.24
90.0	2.76	2.67	2.58	2.50	2.41	2.41	2.33	2.33	2.24
135.0	2.76	2.76	2.58	2.50	2.50	2.41	2.41	2.33	2.33
180.0	2.67	2.67	2.50	2.50	2.41	2.33	2.24	2.15	2.15
225.0	2.58	2.50	2.50	2.41	2.33	2.33	2.24	2.15	2.15
270.0	2.76	2.76	2.58	2.58	2.41	2.41	2.33	2.24	2.24
315.0	2.67	2.58	2.50	2.41	2.33	2.33	2.24	2.15	2.15
360.0	2.84	2.76	2.67	2.58	2.50	2.41	2.33	2.24	2.24

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.15	2.07	1.98	1.98	1.89	1.89	1.89	1.81	1.64
45.0	2.24	2.15	2.07	1.98	1.98	1.89	1.89	1.81	1.72
90.0	2.15	2.15	2.07	2.07	1.89	1.89	1.81	1.72	1.64
135.0	2.24	2.15	2.15	1.98	1.89	1.89	1.81	1.72	1.72
180.0	2.07	1.98	1.89	1.89	1.81	1.81	1.72	1.72	1.72
225.0	2.07	1.98	1.98	1.81	1.81	1.72	1.64	1.64	1.64
270.0	2.15	2.07	1.98	1.98	1.89	1.81	1.72	1.64	1.64
315.0	2.15	2.07	1.98	1.89	1.89	1.81	1.72	1.64	1.64
360.0	2.15	2.07	1.98	1.98	1.89	1.89	1.89	1.81	1.64

Intensity data(cd)

C/γ(°)	90.0
0.0	1.64
45.0	1.64
90.0	1.64
135.0	1.72
180.0	1.64
225.0	1.55
270.0	1.64
315.0	1.55
360.0	1.64