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Nata

Client: NT
LumCAT: 1-1806-LM
Luminaire: 92.70.458.00 LED HOLDER
Report No: 20251212-B007
Ballast type: DC

Test No: 20251212-C007	Voltage(V): 34.070
LampCAT: PHILIPS SLM 1202 L06 1313	Current(A): 0.146
Lamp flux(lm): 866.3	Power (W): 4.974
Number of Lamps: 1	PF: 0.000
Length(mm): 35	Width(mm): 35
Phm Type: C	Height(mm): 15

Photometric Results

Lumens(lm): 836.87, Efficiency(%): 96.60% , Luminous Efficacy(lm/W): 168.25
Central intensity(cd): 2493.321, Maximum intensity(cd): 2493.321
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.4
[C90/270]Total=24.4
Field angle(10%Imax): [C0/180]Total=70.4
[C90/270]Total=70.4
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.983%

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

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2493.321	0.000	0	0.00%	0.00%
1.0	2481.695	2.380	2.38	0.27%	0.28%
2.0	2448.217	7.076	9.456	0.82%	1.13%
3.0	2392.455	11.577	21.034	1.34%	2.51%
4.0	2320.654	15.776	36.81	1.82%	4.40%
5.0	2194.760	19.425	56.235	2.24%	6.72%
6.0	2100.245	22.571	78.806	2.61%	9.42%
7.0	1971.035	25.270	104.077	2.92%	12.44%
8.0	1826.033	27.175	131.252	3.14%	15.68%
9.0	1683.270	28.441	159.693	3.28%	19.08%
10.0	1560.476	29.355	189.047	3.39%	22.59%
11.0	1420.275	29.784	218.831	3.44%	26.15%
12.0	1275.252	29.466	248.297	3.40%	29.67%
13.0	1145.762	28.731	277.028	3.32%	33.10%
14.0	1021.580	27.742	304.77	3.20%	36.42%
15.0	906.784	26.473	331.244	3.06%	39.58%
16.0	812.646	25.194	356.438	2.91%	42.59%
17.0	726.430	23.968	380.406	2.77%	45.46%
18.0	655.641	22.787	403.193	2.63%	48.18%
19.0	592.333	21.712	424.905	2.51%	50.77%
20.0	538.358	20.695	445.6	2.39%	53.25%
21.0	494.998	19.843	465.443	2.29%	55.62%
22.0	459.366	19.178	484.621	2.21%	57.91%
23.0	433.746	18.740	503.361	2.16%	60.15%
24.0	402.227	18.277	521.638	2.11%	62.33%
25.0	375.638	17.687	539.325	2.04%	64.45%
26.0	356.057	17.272	556.597	1.99%	66.51%
27.0	333.009	16.858	573.455	1.95%	68.52%
28.0	317.669	16.474	589.929	1.90%	70.49%
29.0	304.838	16.287	606.215	1.88%	72.44%
30.0	294.460	16.181	622.396	1.87%	74.37%
31.0	284.987	16.125	638.521	1.86%	76.30%
32.0	276.968	16.099	654.621	1.86%	78.22%
33.0	269.701	16.105	670.726	1.86%	80.15%
34.0	261.617	16.079	686.805	1.86%	82.07%
35.0	251.799	15.945	702.75	1.84%	83.97%
36.0	239.334	15.638	718.388	1.81%	85.84%
37.0	223.800	15.105	733.492	1.74%	87.65%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	206.114	14.350	747.842	1.66%	89.36%
39.0	185.058	13.352	761.194	1.54%	90.96%
40.0	161.924	12.101	773.296	1.40%	92.40%
41.0	138.112	10.684	783.98	1.23%	93.68%
42.0	115.689	9.221	793.201	1.06%	94.78%
43.0	93.083	7.734	800.934	0.89%	95.71%
44.0	71.274	6.203	807.138	0.72%	96.45%
45.0	51.768	4.729	811.866	0.55%	97.01%
46.0	36.729	3.461	815.327	0.40%	97.43%
47.0	25.125	2.460	817.787	0.28%	97.72%
48.0	17.708	1.732	819.519	0.20%	97.93%
49.0	13.241	1.271	820.79	0.15%	98.08%
50.0	11.368	1.026	821.816	0.12%	98.20%
51.0	10.334	0.918	822.734	0.11%	98.31%
52.0	9.430	0.848	823.582	0.10%	98.41%
53.0	8.580	0.783	824.366	0.09%	98.51%
54.0	7.815	0.723	825.088	0.08%	98.59%
55.0	7.051	0.664	825.752	0.08%	98.67%
56.0	6.308	0.604	826.355	0.07%	98.74%
57.0	5.748	0.551	826.907	0.06%	98.81%
58.0	5.329	0.512	827.419	0.06%	98.87%
59.0	5.006	0.483	827.902	0.06%	98.93%
60.0	4.704	0.459	828.361	0.05%	98.98%
61.0	4.446	0.437	828.797	0.05%	99.03%
62.0	4.177	0.415	829.213	0.05%	99.08%
63.0	4.005	0.398	829.611	0.05%	99.13%
64.0	3.811	0.383	829.994	0.04%	99.18%
65.0	3.617	0.368	830.362	0.04%	99.22%
66.0	3.434	0.352	830.714	0.04%	99.26%
67.0	3.305	0.339	831.053	0.04%	99.30%
68.0	3.176	0.328	831.381	0.04%	99.34%
69.0	3.057	0.318	831.699	0.04%	99.38%
70.0	2.971	0.310	832.008	0.04%	99.42%
71.0	2.874	0.302	832.311	0.03%	99.45%
72.0	2.788	0.294	832.605	0.03%	99.49%
73.0	2.734	0.289	832.894	0.03%	99.52%
74.0	2.659	0.284	833.177	0.03%	99.56%
75.0	2.573	0.276	833.454	0.03%	99.59%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.508	0.270	833.723	0.03%	99.62%
77.0	2.433	0.263	833.987	0.03%	99.66%
78.0	2.368	0.257	834.244	0.03%	99.69%
79.0	2.293	0.250	834.494	0.03%	99.72%
80.0	2.228	0.244	834.738	0.03%	99.74%
81.0	2.196	0.239	834.977	0.03%	99.77%
82.0	2.131	0.235	835.212	0.03%	99.80%
83.0	2.067	0.228	835.44	0.03%	99.83%
84.0	2.024	0.223	835.663	0.03%	99.86%
85.0	1.948	0.217	835.88	0.03%	99.88%
86.0	1.884	0.209	836.089	0.02%	99.91%
87.0	1.841	0.204	836.293	0.02%	99.93%
88.0	1.798	0.199	836.492	0.02%	99.95%
89.0	1.744	0.194	836.687	0.02%	99.98%
90.0	1.669	0.187	836.874	0.02%	100.00%

Zonal flux distribution table

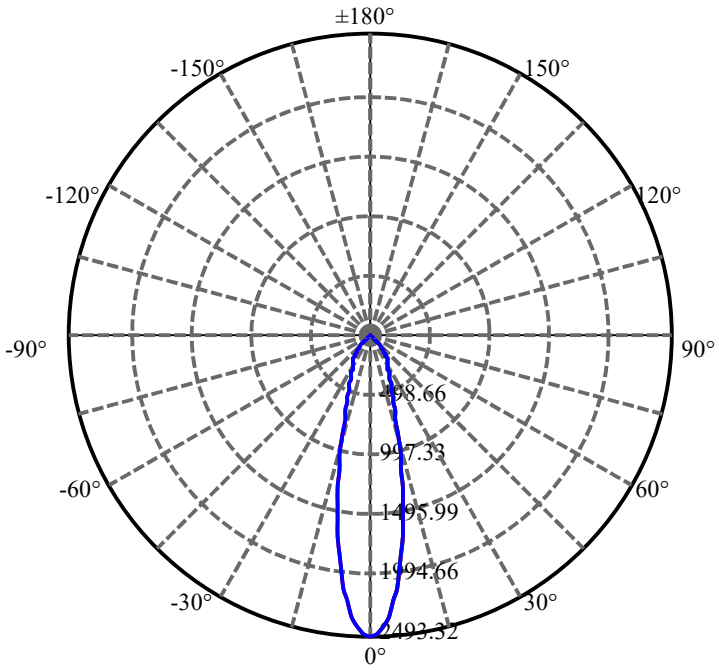
ZONAL LUMEN SUMMARY

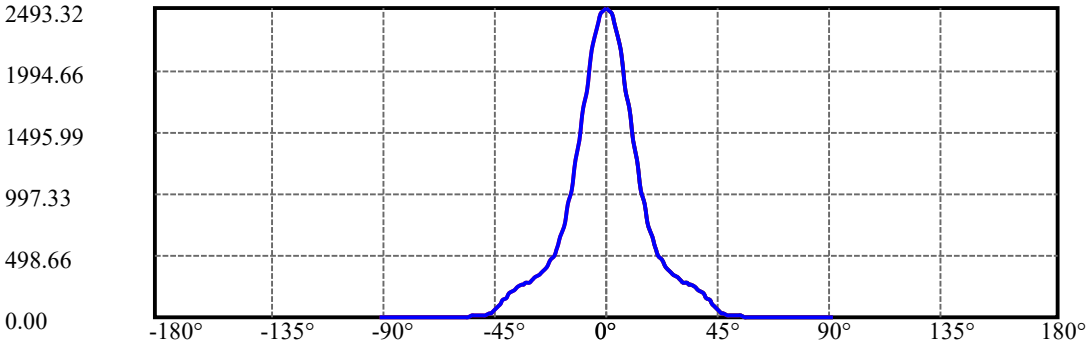
Zone	Lumens	%Lamp	%Fixt
0-30	622.40	71.84%	74.37%
0-40	773.30	89.26%	92.40%
0-60	828.36	95.62%	98.98%
0-90	836.69	96.58%	99.98%
0-120	836.69	96.58%	99.98%
0-180	836.87	96.60%	100.00%
60-90	8.33	0.96%	0.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-32.92	669.50	77.28%	80.00%

ZONAL LUMEN SUMMARY

0-10	189.05
10-20	256.55
20-30	176.80
30-40	150.90
40-50	48.52
50-60	6.54
60-70	3.65
70-80	2.73
80-90	1.95
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):

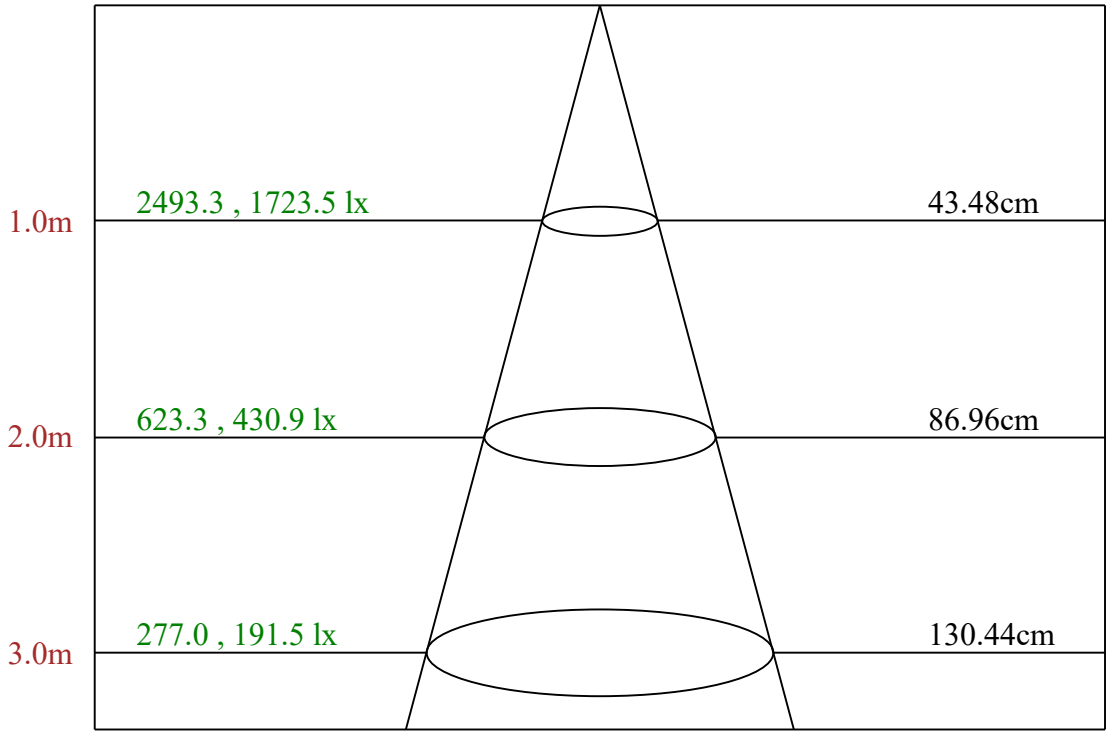
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:35.2 Right:35.2
:C90/270Left:35.2 Right:35.2

Beam Angle(50%Imax):C0/180Left:12.2 Right:12.2
:C90/270Left:12.2 Right:12.2

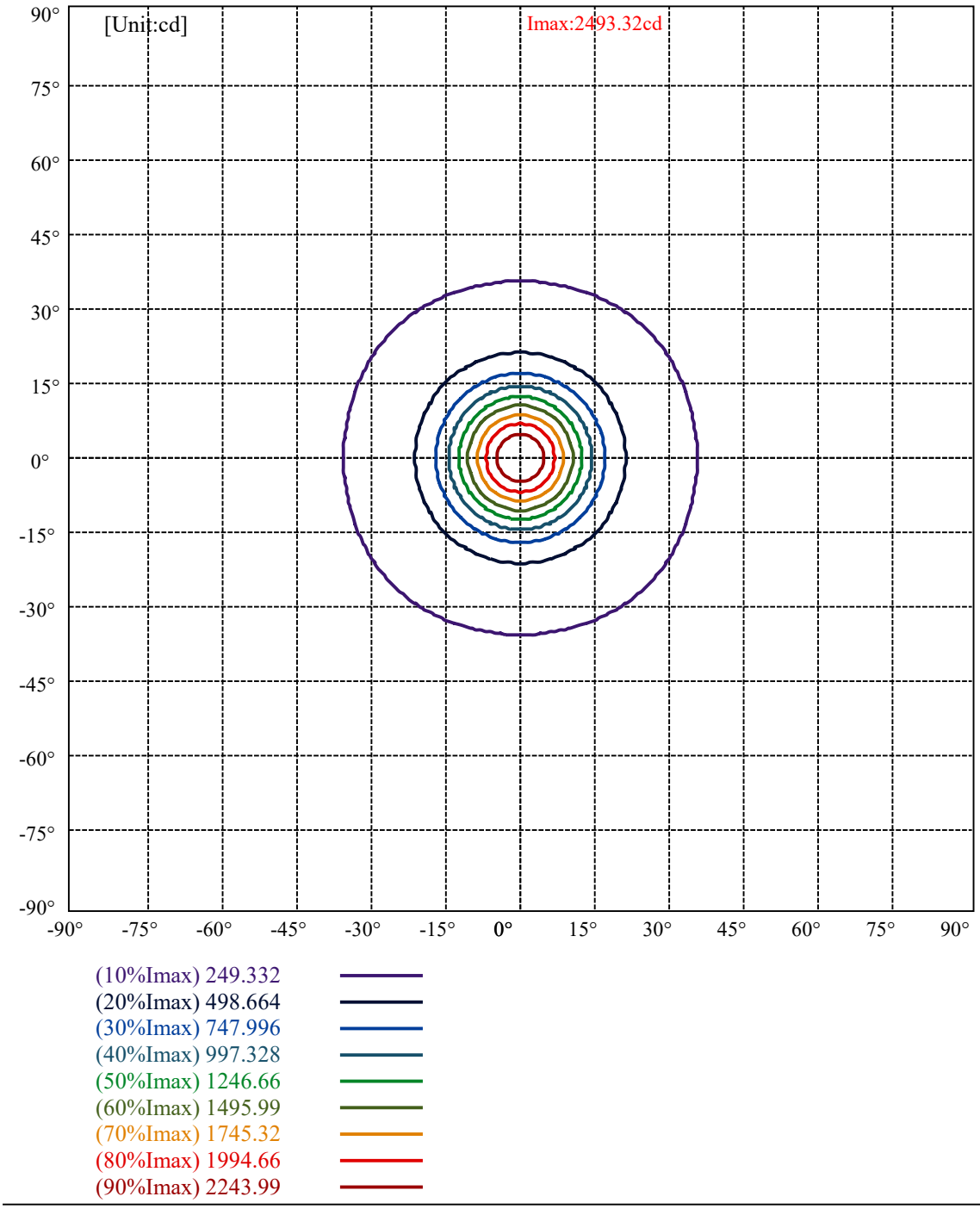
Lux distance Curve



Max , Ave

Beam angle of C0 plane 24.53

ISO-Intensity(V-H)

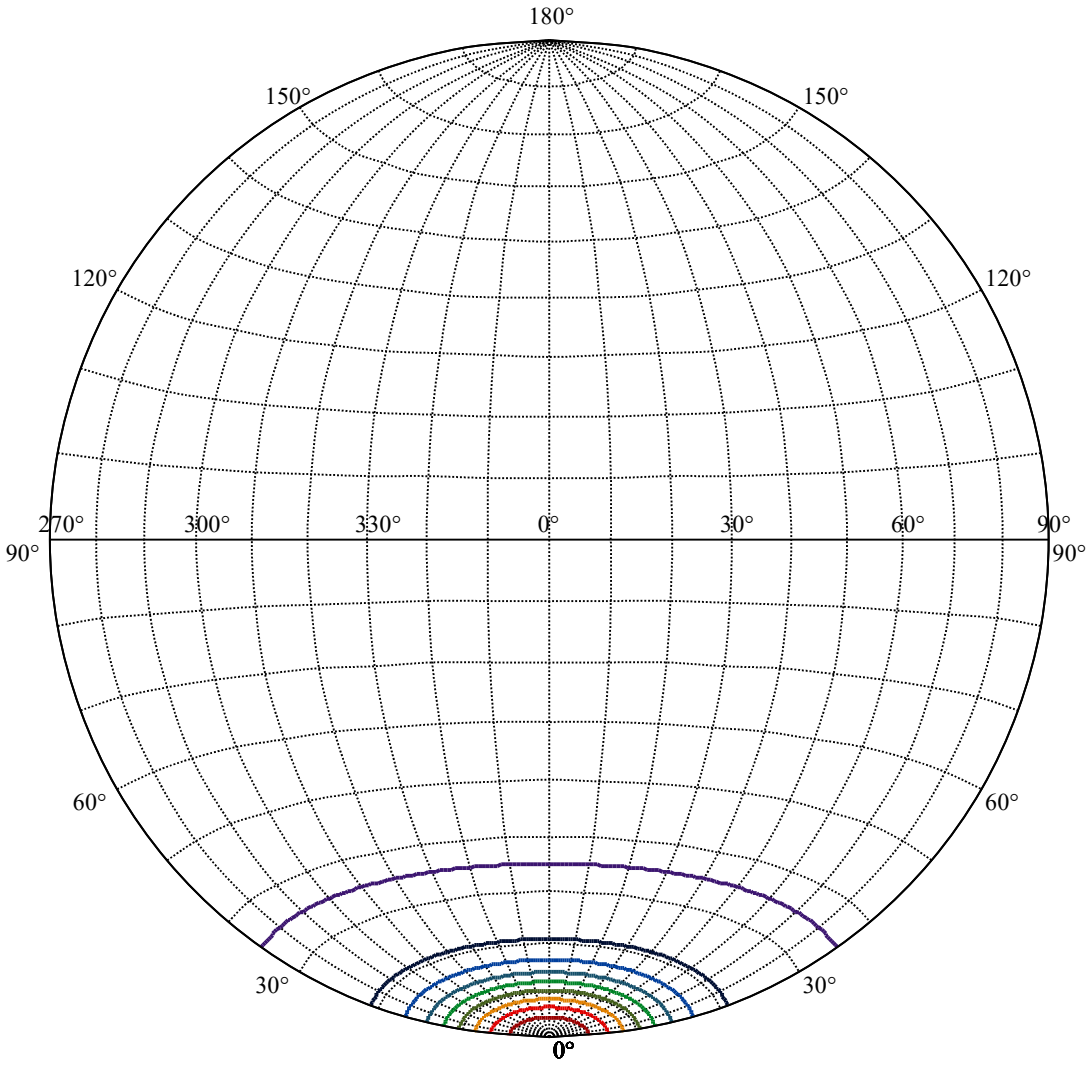


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



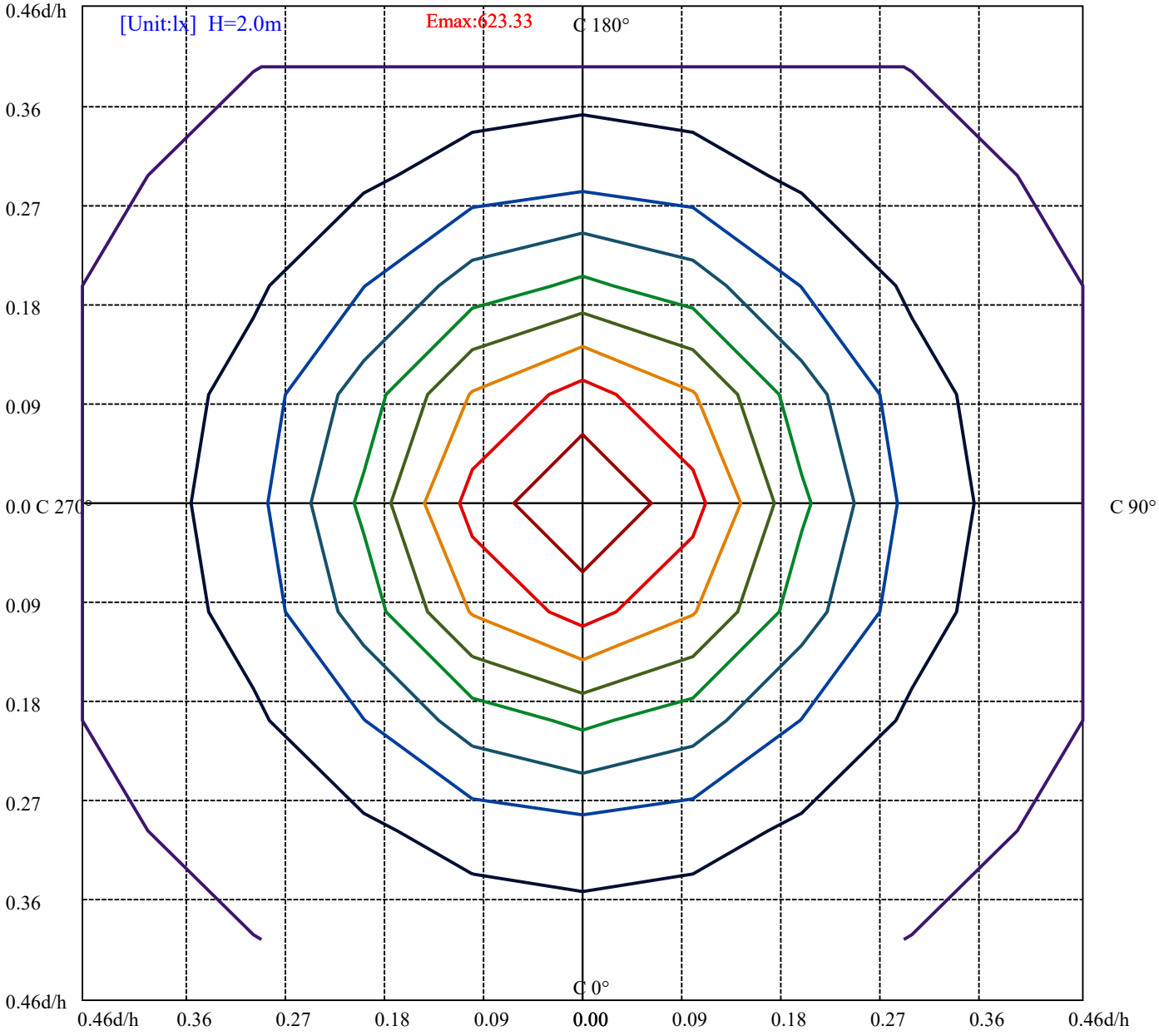
House [Unit:cd] Road

Imax:2493.32

(10%Imax) 249.332
(20%Imax) 498.664
(30%Imax) 747.996
(40%Imax) 997.328
(50%Imax) 1246.66
(60%Imax) 1495.99
(70%Imax) 1745.32
(80%Imax) 1994.66
(90%Imax) 2243.99

NT Nata 1-1806-LM

ISO illuminance diagram



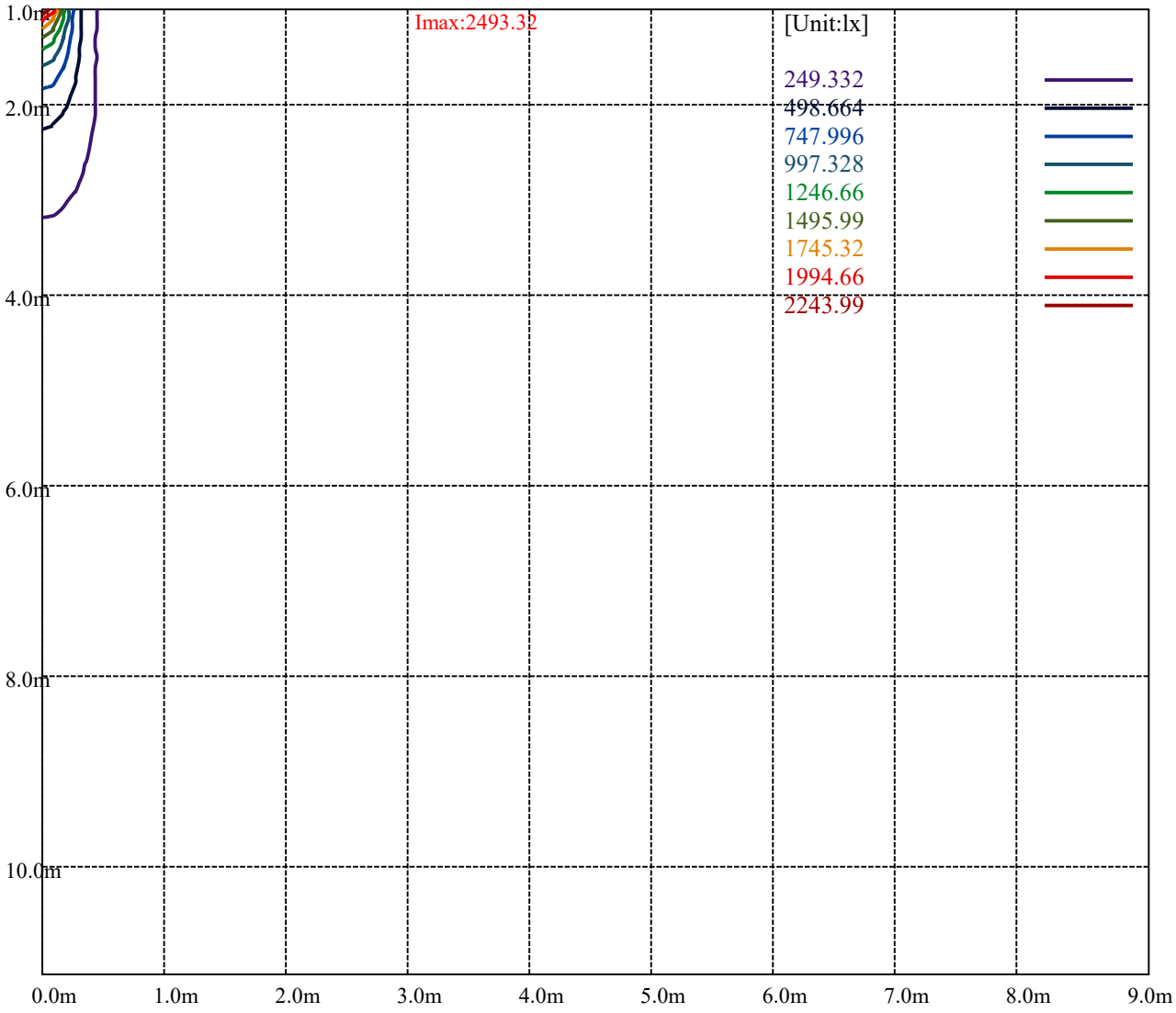
(10%Emax) 62.333
(20%Emax) 124.666
(30%Emax) 186.999
(40%Emax) 249.332
(50%Emax) 311.665
(60%Emax) 373.9975
(70%Emax) 436.33
(80%Emax) 498.665
(90%Emax) 560.9975

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: YZQ
Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: YZQ
Distance(m): 9.28

NT Nata 1-1806-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

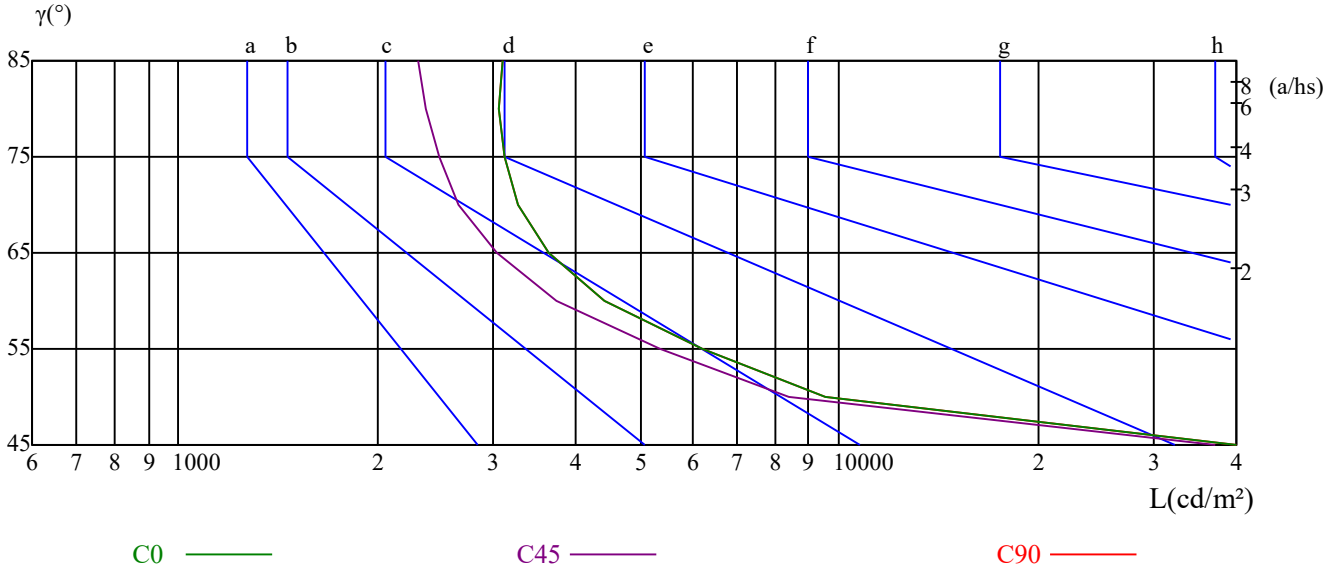
γ	45	50	55	60	65	70	75	80	85
C0	41835	9556	6225	4408	3641	3257	3122	3054	3094
C45	37211	8382	5379	3747	3038	2661	2488	2361	2302
C90	41835	9556	6225	4408	3641	3257	3122	3054	3094

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6987	6987	6987	8115	8115	8115	18250	18250	18250

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

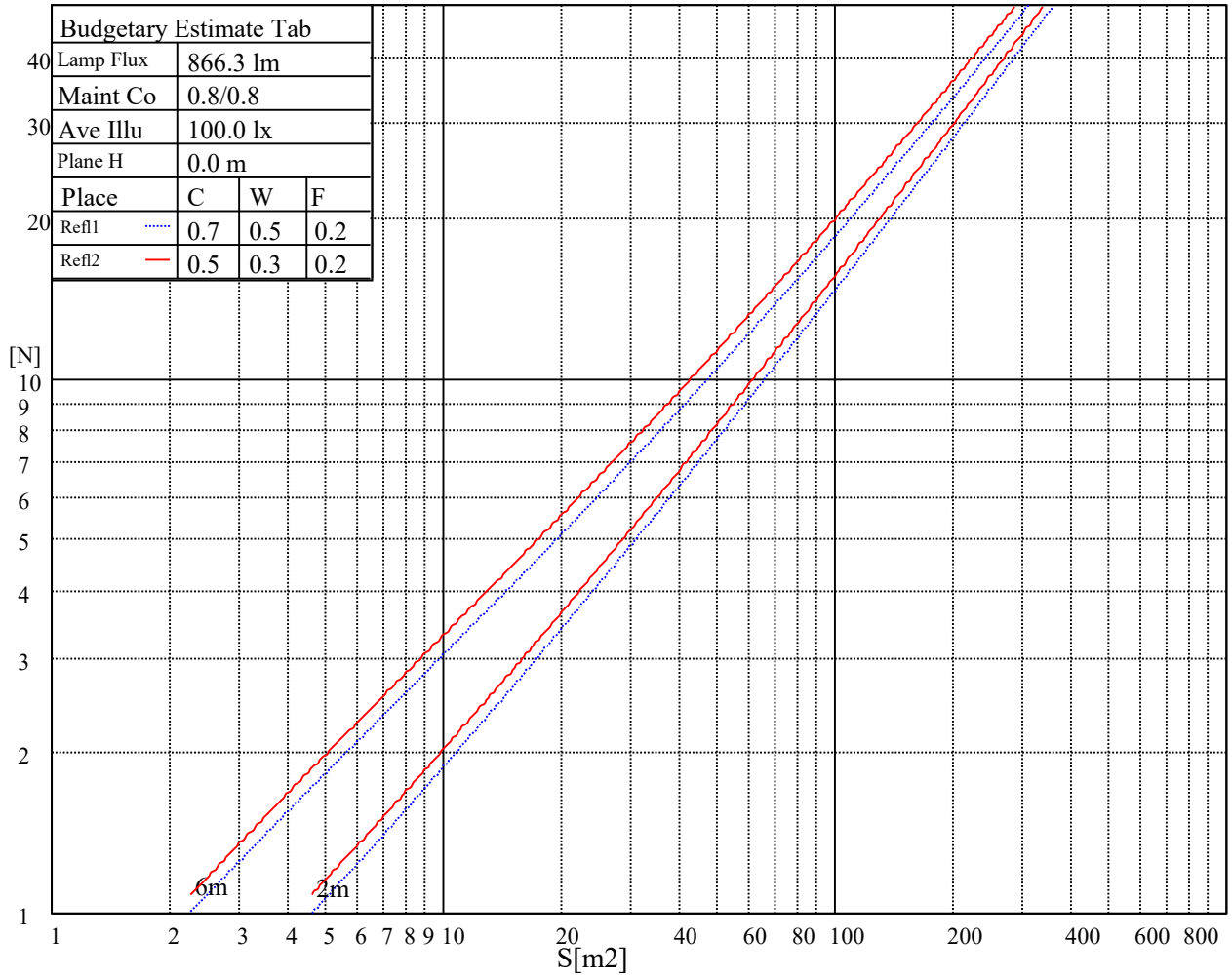


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	21.94	22.93	22.30	23.24	23.55	21.64	22.62	22.00	22.94	23.25
	3H	21.76	22.63	22.15	22.97	23.32	21.46	22.33	21.85	22.67	23.01
	4H	21.67	22.48	22.07	22.83	23.20	21.37	22.18	21.77	22.53	22.90
	6H	21.61	22.34	22.02	22.72	23.12	21.31	22.05	21.73	22.42	22.82
	8H	21.54	22.25	21.96	22.63	23.04	21.25	21.96	21.67	22.34	22.75
	12H	21.49	22.15	21.91	22.55	22.97	21.20	21.86	21.63	22.26	22.68
4H	2H	21.64	22.45	22.04	22.80	23.17	21.34	22.15	21.74	22.50	22.87
	3H	21.43	22.10	21.86	22.50	22.91	21.13	21.80	21.56	22.20	22.62
	4H	21.38	21.96	21.82	22.38	22.83	21.08	21.66	21.52	22.09	22.54
	6H	21.28	21.79	21.75	22.24	22.69	20.99	21.50	21.46	21.95	22.41
	8H	21.24	21.71	21.73	22.17	22.65	20.96	21.43	21.44	21.89	22.37
	12H	21.22	21.65	21.71	22.11	22.63	20.94	21.38	21.43	21.83	22.35
8H	4H	21.19	21.67	21.68	22.12	22.60	20.90	21.37	21.38	21.83	22.30
	6H	21.09	21.48	21.60	21.96	22.47	20.81	21.19	21.31	21.67	22.19
	8H	21.11	21.44	21.65	21.96	22.46	20.84	21.16	21.37	21.69	22.18
	12H	21.10	21.36	21.65	21.88	22.40	20.84	21.09	21.38	21.61	22.13
12H	4H	21.14	21.58	21.63	22.03	22.55	20.85	21.28	21.34	21.74	22.26
	6H	21.08	21.41	21.62	21.93	22.43	20.80	21.12	21.33	21.65	22.14
	8H	21.07	21.33	21.62	21.84	22.37	20.80	21.05	21.34	21.57	22.09

Variation with the observer position at spacings:		
S = 1.0H	3.6/-10.5	3.6/-10.5
S = 1.5H	6.2/-10.0	6.2/-10.0
S = 2.0H	8.1/-9.3	8.1/-9.3
Standard tables:	BK0	BK0
Uncorrected UGR	1.9	1.9

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

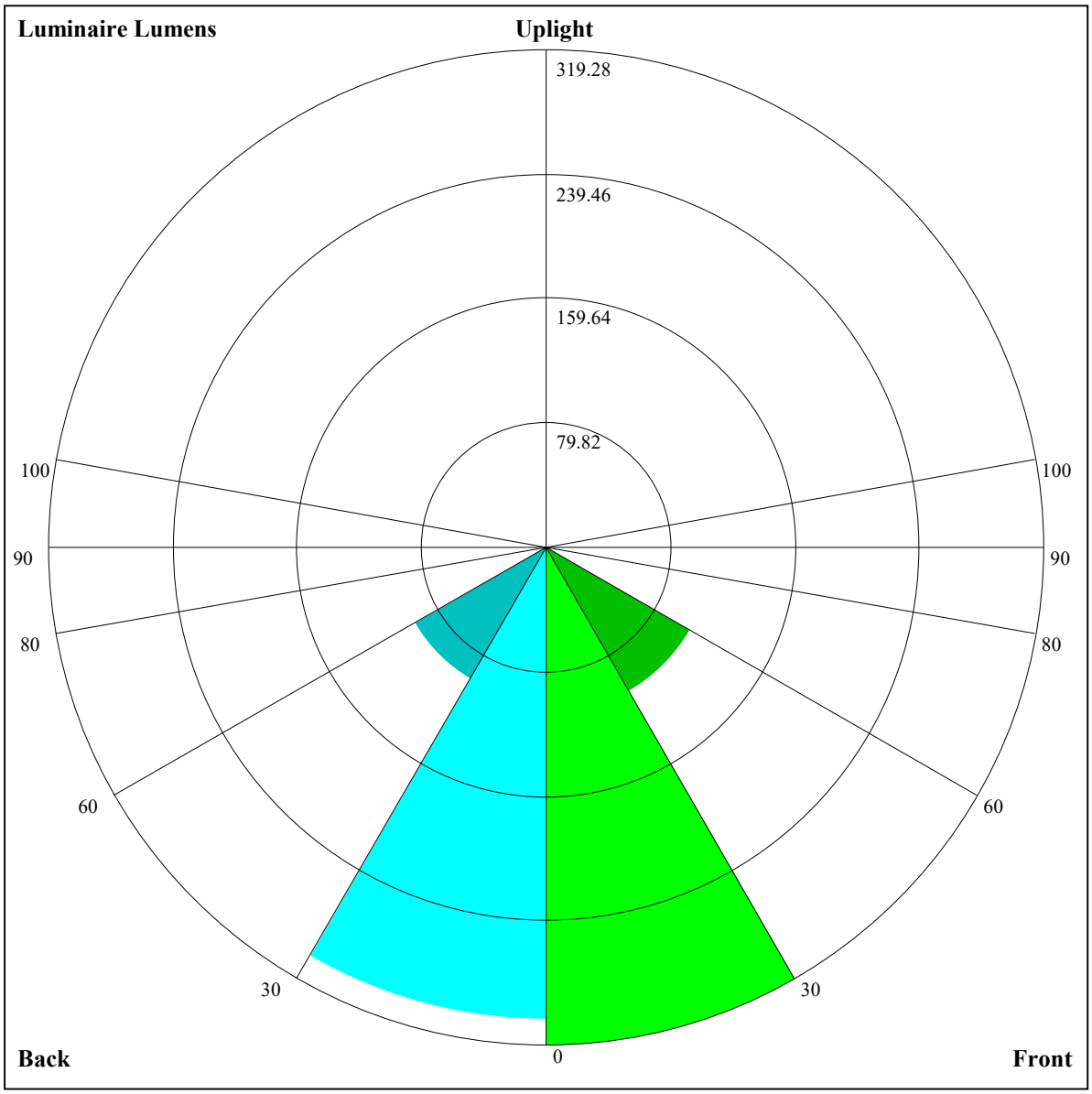
Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/12/12 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	1.15	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	1.07	1.05	1.03	1.05	1.03	1.02	1.02	1.00	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.97	0.94	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.86
3	0.95	0.90	0.87	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.81
4	0.89	0.85	0.81	0.88	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.76
5	0.85	0.79	0.76	0.84	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.72
6	0.80	0.75	0.71	0.80	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.68
7	0.76	0.71	0.67	0.76	0.71	0.67	0.75	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
8	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
9	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.67	0.63	0.60	0.59
10	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.57



Luminaire Lumens:
FL=319.28,FM=106.24,FH=3.21,FVH=1.07
BL=303.11,BM=98.11,BH=3.18,BVH=1.06
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	2507.85	2510.44	2488.91	2449.29	2392.46	2297.73	2205.58	2097.07	1889.52
45.0	2471.68	2502.69	2514.74	2500.10	2465.66	2410.54	2339.06	2224.52	2116.88
90.0	2504.41	2507.85	2485.46	2445.85	2389.01	2314.09	2201.27	2097.07	1893.83
135.0	2492.35	2502.69	2498.38	2465.66	2419.15	2355.42	2275.33	2156.49	2048.84
180.0	2507.85	2475.13	2428.62	2364.04	2258.11	2154.77	2038.51	1907.61	1736.23
225.0	2471.68	2421.74	2331.31	2240.03	2129.79	1707.38	1707.38	1669.06	1475.29
270.0	2504.41	2482.02	2440.68	2363.18	2283.95	2188.35	2046.26	1919.67	1750.87
315.0	2486.32	2451.02	2397.62	2311.50	2227.11	2129.79	1988.56	1696.79	1696.79
360.0	2507.85	2510.44	2488.91	2449.29	2392.46	2297.73	2205.58	2097.07	1889.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1706.35	1671.21	1528.00	1385.13	1248.03	1091.55	979.51	878.67	770.76
45.0	1992.00	1824.07	1677.67	1524.38	1332.34	1185.08	1049.01	897.44	795.82
90.0	1713.41	1678.36	1537.04	1362.74	1229.00	1104.04	964.01	864.28	777.65
135.0	1930.00	1806.85	1644.95	1511.46	1380.56	1255.69	1108.43	1001.64	881.08
180.0	1590.69	1446.01	1303.92	1138.57	1020.59	914.66	800.99	724.34	658.03
225.0	1324.85	1149.68	1024.03	913.20	815.54	710.82	641.24	582.42	531.09
270.0	1609.64	1469.27	1331.48	1169.57	1052.45	946.53	835.43	756.21	688.17
315.0	1599.22	1438.35	1315.11	1196.96	1087.59	964.27	875.65	796.16	708.84
360.0	1706.35	1671.21	1528.00	1385.13	1248.03	1091.55	979.51	878.67	770.76

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	698.85	621.52	569.67	525.93	479.68	447.82	421.21	398.04	373.93
45.0	708.84	636.50	562.44	514.21	475.46	442.73	434.98	400.62	361.35
90.0	703.59	622.81	568.81	522.39	481.14	437.57	408.46	383.31	356.96
135.0	798.40	723.48	644.25	590.00	542.63	501.30	457.37	434.98	434.98
180.0	585.69	538.33	497.85	453.07	438.43	438.43	374.70	351.79	336.21
225.0	477.35	441.87	411.30	379.44	357.82	339.31	319.41	306.06	294.52
270.0	625.31	560.72	515.94	477.18	436.71	436.71	400.80	352.40	333.28
315.0	647.09	593.44	536.60	497.76	463.06	426.11	400.88	377.89	357.22
360.0	698.85	621.52	569.67	525.93	479.68	447.82	421.21	398.04	373.93

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	356.19	340.34	327.51	313.90	303.91	294.87	285.14	278.33	270.84
45.0	340.68	325.96	312.95	299.61	291.42	284.54	275.84	270.50	266.45
90.0	337.93	320.96	303.57	292.29	280.23	272.39	265.16	258.18	251.12
135.0	373.93	349.55	332.16	318.64	306.06	297.88	291.42	284.71	279.02
180.0	323.20	312.27	300.04	292.63	284.97	275.84	269.90	259.82	246.90
225.0	281.78	273.77	267.48	262.92	256.63	250.95	243.54	231.92	212.54
270.0	316.40	298.83	286.95	277.30	268.52	258.36	251.90	244.32	234.16
315.0	333.97	319.67	308.05	298.40	288.15	280.92	274.72	265.16	253.36
360.0	356.19	340.34	327.51	313.90	303.91	294.87	285.14	278.33	270.84

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	263.44	251.04	234.24	209.10	187.48	165.18	141.66	111.95	89.65
45.0	261.89	254.22	244.92	229.59	211.94	187.22	167.24	146.32	117.81
90.0	242.42	230.63	214.87	196.18	170.95	149.67	127.80	100.50	79.75
135.0	272.74	259.47	243.97	223.91	202.21	172.41	147.18	123.24	97.74
180.0	229.51	206.00	185.33	164.23	141.75	118.50	91.89	71.22	52.62
225.0	195.40	176.37	151.83	132.02	106.96	87.67	68.89	50.81	32.04
270.0	216.24	198.68	180.76	155.53	134.69	109.11	89.13	70.19	53.39
315.0	233.04	214.00	192.99	169.91	139.43	115.14	91.72	70.44	47.19
360.0	263.44	251.04	234.24	209.10	187.48	165.18	141.66	111.95	89.65

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	68.38	49.26	29.54	19.89	12.40	11.11	10.42	9.56	8.87
45.0	95.42	69.84	49.78	33.07	19.63	13.26	11.54	10.68	9.47
90.0	55.72	39.61	27.47	17.74	13.69	12.57	11.37	10.25	9.39
135.0	70.10	50.98	34.79	21.70	15.07	12.75	11.80	10.76	9.73
180.0	36.00	21.96	14.81	12.06	11.37	10.59	9.73	9.04	8.53
225.0	21.44	14.21	11.88	10.68	9.73	8.70	7.84	6.98	6.29
270.0	34.79	25.49	18.43	14.21	12.57	11.54	10.51	9.65	8.53
315.0	32.29	22.48	14.30	12.31	11.45	10.42	9.47	8.53	7.84
360.0	68.38	49.26	29.54	19.89	12.40	11.11	10.42	9.56	8.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.27	7.58	6.63	6.20	5.86	5.51	5.25	4.91	4.65
45.0	8.53	7.66	6.98	5.60	5.08	4.65	4.31	4.05	3.79
90.0	8.70	7.84	6.46	5.94	5.51	4.99	4.65	4.39	4.05
135.0	8.96	8.27	7.41	6.54	6.11	5.77	5.43	5.08	4.91
180.0	7.92	7.32	6.80	6.54	6.03	5.77	5.43	5.08	4.65
225.0	5.51	4.99	4.65	4.31	4.05	3.88	3.70	3.53	3.36
270.0	7.75	6.63	5.94	5.60	5.08	4.74	4.39	4.22	3.88
315.0	6.89	6.11	5.60	5.25	4.91	4.74	4.48	4.31	4.13
360.0	8.27	7.58	6.63	6.20	5.86	5.51	5.25	4.91	4.65

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.39	4.13	3.88	3.62	3.53	3.27	3.19	3.01	2.93
45.0	3.62	3.44	3.36	3.19	3.10	3.01	2.93	2.93	2.84
90.0	3.88	3.79	3.53	3.36	3.27	3.27	3.10	3.01	3.01
135.0	4.74	4.48	4.22	4.05	3.79	3.53	3.36	3.19	3.01
180.0	4.39	4.13	3.79	3.53	3.27	3.10	2.93	2.84	2.67
225.0	3.27	3.19	3.10	3.01	2.93	2.76	2.76	2.67	2.58
270.0	3.79	3.62	3.44	3.27	3.19	3.19	3.10	3.01	2.93
315.0	3.96	3.70	3.62	3.44	3.36	3.27	3.10	3.10	3.01
360.0	4.39	4.13	3.88	3.62	3.53	3.27	3.19	3.01	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	2.84	2.76	2.67	2.58	2.50	2.33	2.33	2.15
45.0	2.76	2.76	2.67	2.58	2.58	2.50	2.50	2.41	2.41
90.0	2.93	2.84	2.76	2.67	2.58	2.58	2.50	2.41	2.33
135.0	2.93	2.84	2.67	2.58	2.50	2.41	2.33	2.24	2.15
180.0	2.58	2.50	2.50	2.41	2.33	2.24	2.24	2.15	2.15
225.0	2.50	2.50	2.41	2.33	2.33	2.24	2.24	2.15	2.15
270.0	2.84	2.76	2.76	2.67	2.58	2.58	2.50	2.41	2.33
315.0	2.93	2.84	2.76	2.67	2.58	2.41	2.33	2.24	2.15
360.0	2.84	2.84	2.76	2.67	2.58	2.50	2.33	2.33	2.15

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	1.81
45.0	2.41	2.33	2.24	2.24	2.15	2.07	1.98	1.89	1.81
90.0	2.33	2.24	2.15	2.07	1.98	1.89	1.81	1.81	1.72
135.0	2.15	2.07	2.07	2.07	1.98	1.89	1.89	1.81	1.81
180.0	2.07	2.07	2.07	2.07	1.89	1.89	1.89	1.89	1.89
225.0	2.07	1.98	1.98	1.89	1.89	1.81	1.72	1.72	1.64
270.0	2.24	2.24	2.07	1.98	1.89	1.81	1.72	1.72	1.64
315.0	2.15	2.07	1.98	1.89	1.89	1.81	1.81	1.72	1.64
360.0	2.15	2.07	1.98	1.98	1.89	1.89	1.89	1.81	1.81

Intensity data(cd)

C/γ(°)	90.0
0.0	1.72
45.0	1.72
90.0	1.64
135.0	1.81
180.0	1.72
225.0	1.64
270.0	1.55
315.0	1.55
360.0	1.72