NATA LIGHTING CO.,LTD.
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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 61-0268
Luminaire: 90.70.458.00
Report No: 20250613-B002
Ballast type: DC

Test No: 20250630-C002	Voltage(V): 34.350
LampCAT: LUMINUS CXM-4	Current(A): 0.122
Lamp flux(lm): 518.0	Power (W): 4.190
Number of Lamps: 1	PF: 0.000
Length(mm): 28	Width(mm): 28
Phm Type: C	Height(mm): 14

Photometric Results

Lumens(lm): 462.90, Efficiency(%): 89.36% , Luminous Efficacy(lm/W): 110.48
Central intensity(cd): 1241.885, Maximum intensity(cd): 1241.885
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.0
[C90/270]Total=36.0
Field angle(10%Imax): [C0/180]Total=54.2
[C90/270]Total=54.2
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.56 C90_270=0.56
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.36%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.680%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1241.885	0.000	0	0.00%	0.00%
1.0	1240.702	1.188	1.188	0.23%	0.26%
2.0	1234.115	3.552	4.74	0.69%	1.02%
3.0	1223.927	5.879	10.619	1.13%	2.29%
4.0	1212.779	8.156	18.775	1.57%	4.06%
5.0	1201.114	10.384	29.16	2.00%	6.30%
6.0	1183.388	12.531	41.691	2.42%	9.01%
7.0	1165.600	14.580	56.271	2.81%	12.16%
8.0	1143.103	16.523	72.794	3.19%	15.73%
9.0	1116.066	18.309	91.103	3.53%	19.68%
10.0	1081.408	19.886	110.99	3.84%	23.98%
11.0	1040.119	21.198	132.188	4.09%	28.56%
12.0	986.838	22.158	154.346	4.28%	33.34%
13.0	936.027	22.820	177.165	4.41%	38.27%
14.0	871.883	23.141	200.306	4.47%	43.27%
15.0	816.395	23.177	223.484	4.47%	48.28%
16.0	758.025	23.070	246.553	4.45%	53.26%
17.0	684.749	22.468	269.021	4.34%	58.12%
18.0	622.948	21.561	290.582	4.16%	62.77%
19.0	555.753	20.507	311.089	3.96%	67.20%
20.0	484.556	19.041	330.13	3.68%	71.32%
21.0	422.639	17.420	347.55	3.36%	75.08%
22.0	363.805	15.804	363.354	3.05%	78.50%
23.0	303.398	14.000	377.353	2.70%	81.52%
24.0	251.341	12.129	389.482	2.34%	84.14%
25.0	203.349	10.339	399.821	2.00%	86.37%
26.0	162.420	8.634	408.455	1.67%	88.24%
27.0	127.708	7.098	415.553	1.37%	89.77%
28.0	95.150	5.642	421.195	1.09%	90.99%
29.0	72.643	4.390	425.585	0.85%	91.94%
30.0	54.010	3.420	429.005	0.66%	92.68%
31.0	38.406	2.572	431.576	0.50%	93.23%
32.0	28.937	1.929	433.506	0.37%	93.65%
33.0	21.716	1.492	434.998	0.29%	93.97%
34.0	17.113	1.175	436.173	0.23%	94.23%
35.0	14.495	0.982	437.155	0.19%	94.44%
36.0	12.626	0.864	438.018	0.17%	94.62%
37.0	11.338	0.782	438.8	0.15%	94.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	10.430	0.727	439.526	0.14%	94.95%
39.0	9.575	0.683	440.209	0.13%	95.10%
40.0	8.910	0.645	440.854	0.12%	95.24%
41.0	8.340	0.614	441.468	0.12%	95.37%
42.0	7.886	0.590	442.058	0.11%	95.50%
43.0	7.485	0.569	442.627	0.11%	95.62%
44.0	7.168	0.553	443.18	0.11%	95.74%
45.0	6.915	0.541	443.721	0.10%	95.86%
46.0	6.725	0.533	444.255	0.10%	95.97%
47.0	6.577	0.529	444.784	0.10%	96.09%
48.0	6.461	0.527	445.311	0.10%	96.20%
49.0	6.398	0.528	445.839	0.10%	96.31%
50.0	6.398	0.533	446.372	0.10%	96.43%
51.0	6.387	0.541	446.913	0.10%	96.55%
52.0	6.408	0.549	447.462	0.11%	96.66%
53.0	6.398	0.557	448.019	0.11%	96.79%
54.0	6.471	0.567	448.587	0.11%	96.91%
55.0	6.535	0.581	449.167	0.11%	97.03%
56.0	6.651	0.596	449.763	0.12%	97.16%
57.0	6.640	0.608	450.371	0.12%	97.29%
58.0	6.493	0.607	450.978	0.12%	97.42%
59.0	6.313	0.599	451.577	0.12%	97.55%
60.0	6.007	0.582	452.159	0.11%	97.68%
61.0	5.606	0.554	452.713	0.11%	97.80%
62.0	5.194	0.520	453.233	0.10%	97.91%
63.0	4.772	0.485	453.718	0.09%	98.02%
64.0	4.413	0.451	454.169	0.09%	98.11%
65.0	4.128	0.423	454.591	0.08%	98.21%
66.0	3.853	0.398	454.99	0.08%	98.29%
67.0	3.568	0.373	455.363	0.07%	98.37%
68.0	3.315	0.349	455.711	0.07%	98.45%
69.0	3.093	0.327	456.038	0.06%	98.52%
70.0	2.861	0.306	456.344	0.06%	98.58%
71.0	2.671	0.286	456.63	0.06%	98.65%
72.0	2.523	0.270	456.9	0.05%	98.70%
73.0	2.439	0.259	457.16	0.05%	98.76%
74.0	2.470	0.258	457.418	0.05%	98.82%
75.0	2.872	0.282	457.7	0.05%	98.88%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.254	0.378	458.078	0.07%	98.96%
77.0	5.384	0.514	458.592	0.10%	99.07%
78.0	5.732	0.595	459.187	0.11%	99.20%
79.0	5.416	0.599	459.786	0.12%	99.33%
80.0	4.624	0.541	460.327	0.10%	99.44%
81.0	4.117	0.473	460.8	0.09%	99.55%
82.0	3.378	0.406	461.207	0.08%	99.63%
83.0	2.650	0.328	461.534	0.06%	99.70%
84.0	2.196	0.264	461.798	0.05%	99.76%
85.0	2.038	0.231	462.029	0.04%	99.81%
86.0	1.784	0.209	462.238	0.04%	99.86%
87.0	1.721	0.192	462.43	0.04%	99.90%
88.0	1.584	0.181	462.611	0.03%	99.94%
89.0	1.299	0.158	462.769	0.03%	99.97%
90.0	1.098	0.131	462.9	0.03%	100.00%

Zonal flux distribution table

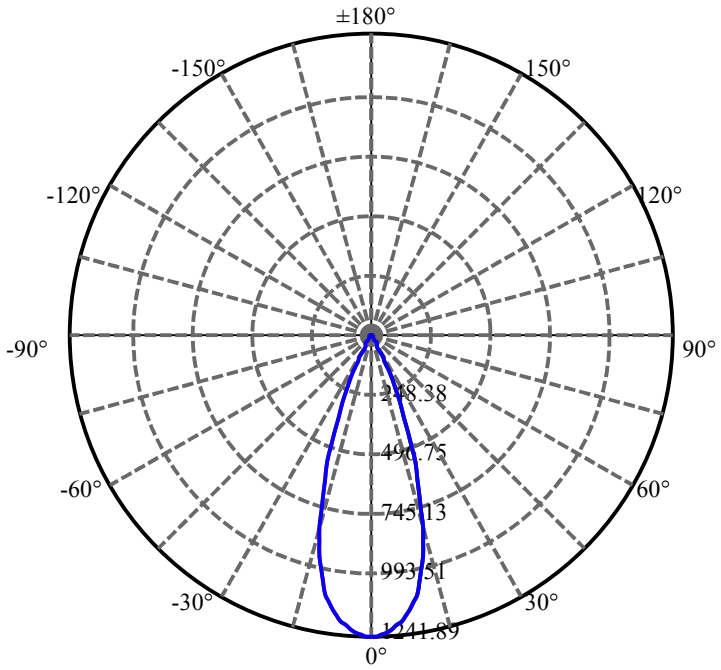
ZONAL LUMEN SUMMARY

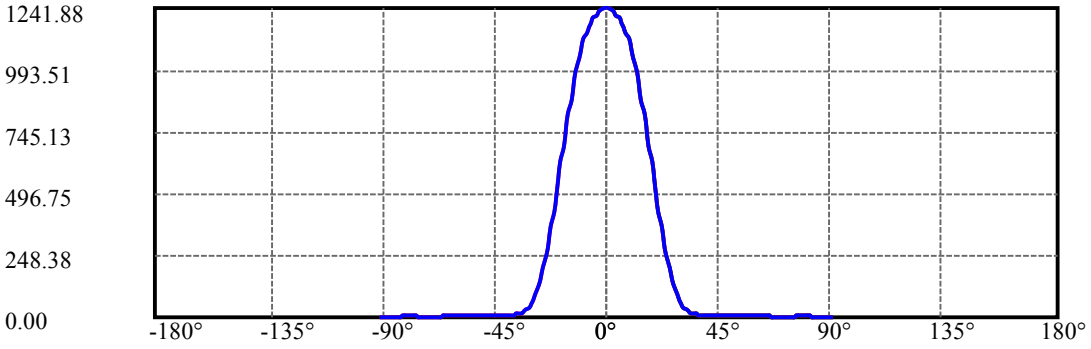
Zone	Lumens	%Lamp	%Fixt
0-30	429.00	82.82%	92.68%
0-40	440.85	85.11%	95.24%
0-60	452.16	87.29%	97.68%
0-90	462.77	89.34%	99.97%
0-120	462.77	89.34%	99.97%
0-180	462.90	89.36%	100.00%
60-90	10.61	2.05%	2.29%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.50	370.32	71.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	110.99
10-20	219.14
20-30	98.87
30-40	11.85
40-50	5.52
50-60	5.79
60-70	4.19
70-80	3.98
80-90	2.44
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):

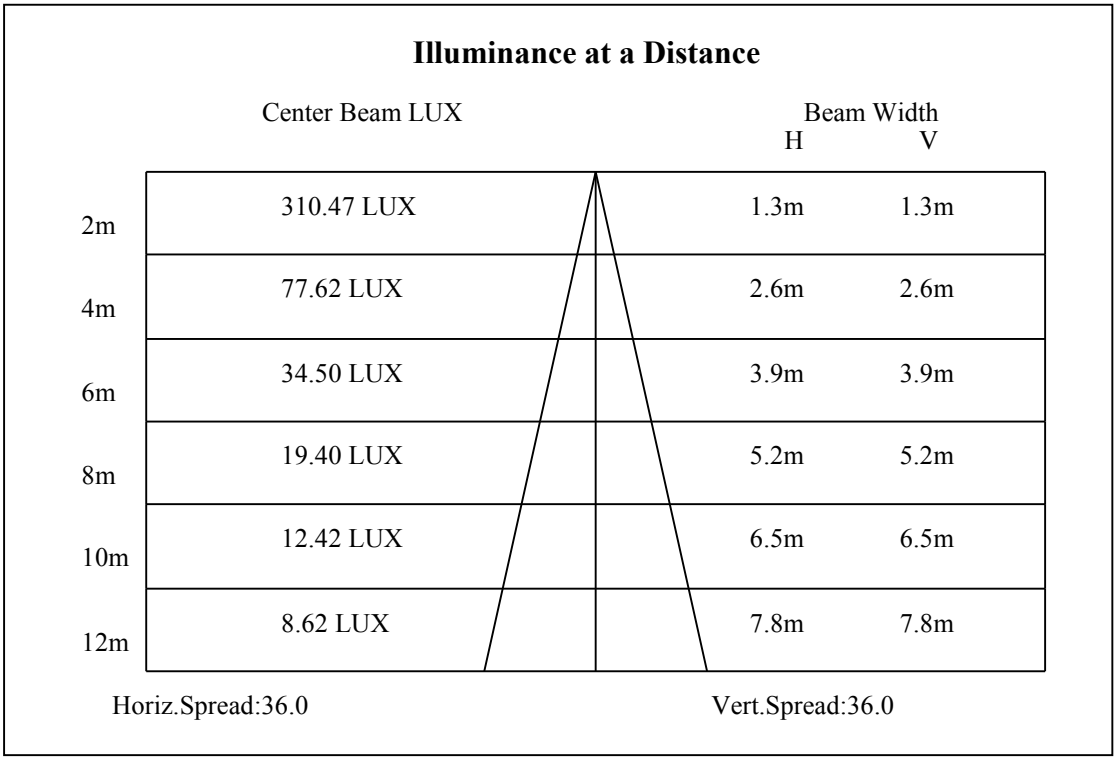
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.1 Right:27.1
:C90/270Left:27.1 Right:27.1

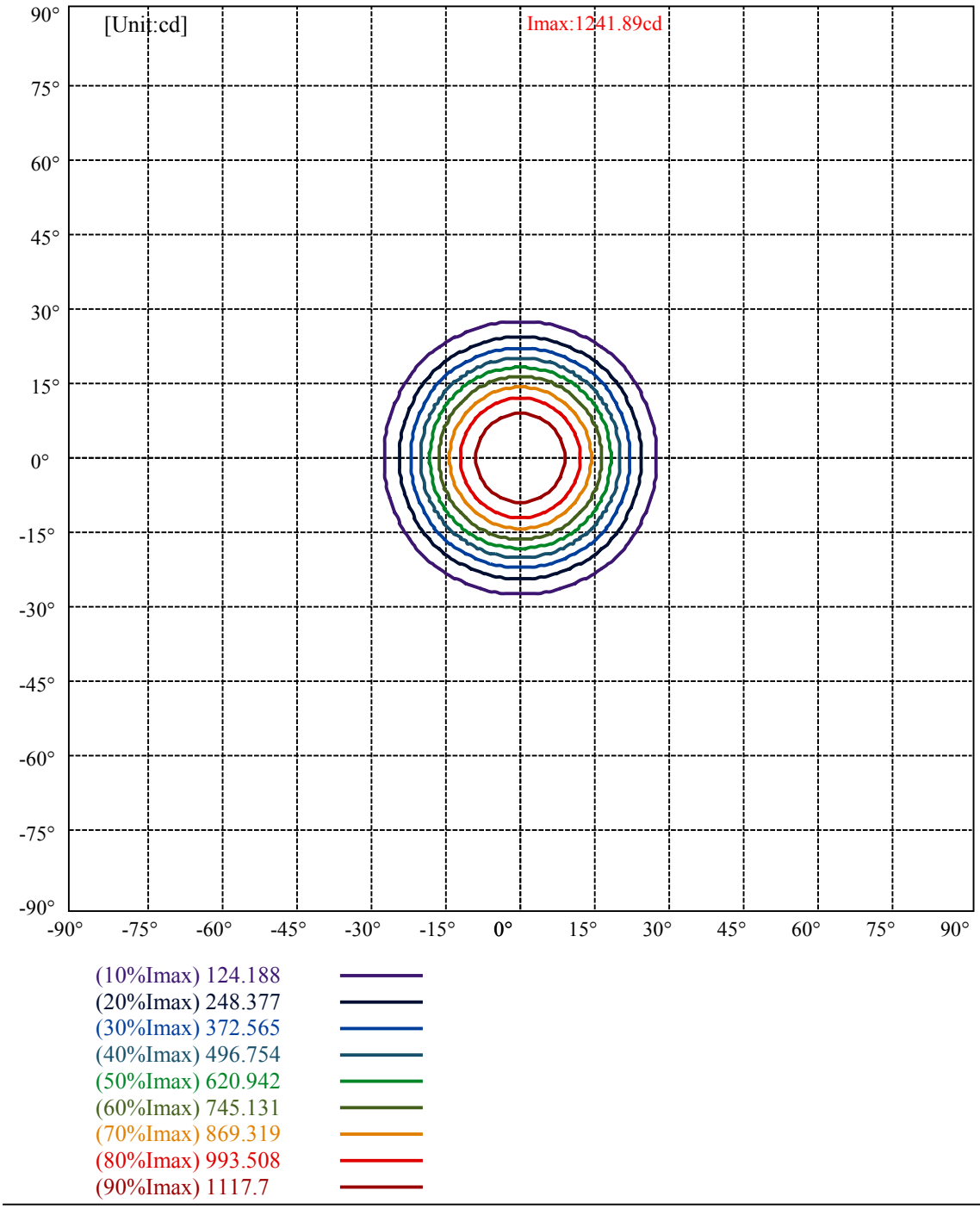
Beam Angle(50%Imax):C0/180Left:18.0 Right:18.0
:C90/270Left:18.0 Right:18.0

Lux distance Curve



Equipment: GMS1980 Date: 2025/6/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.19

ISO-Intensity(V-H)



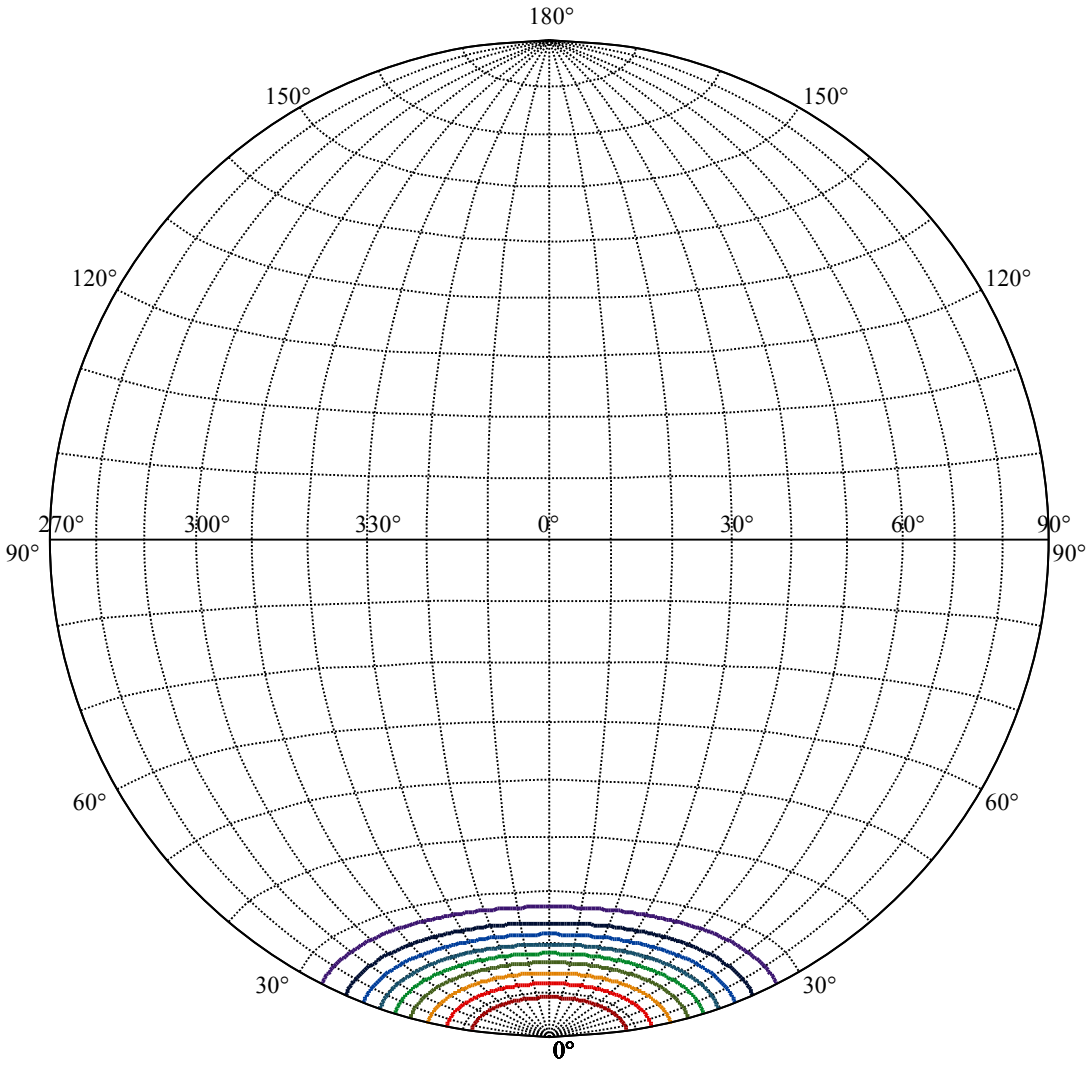
(10%Imax) 124.188
(20%Imax) 248.377
(30%Imax) 372.565
(40%Imax) 496.754
(50%Imax) 620.942
(60%Imax) 745.131
(70%Imax) 869.319
(80%Imax) 993.508
(90%Imax) 1117.7

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/6/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 9.19

ISO candela diagram on circular web



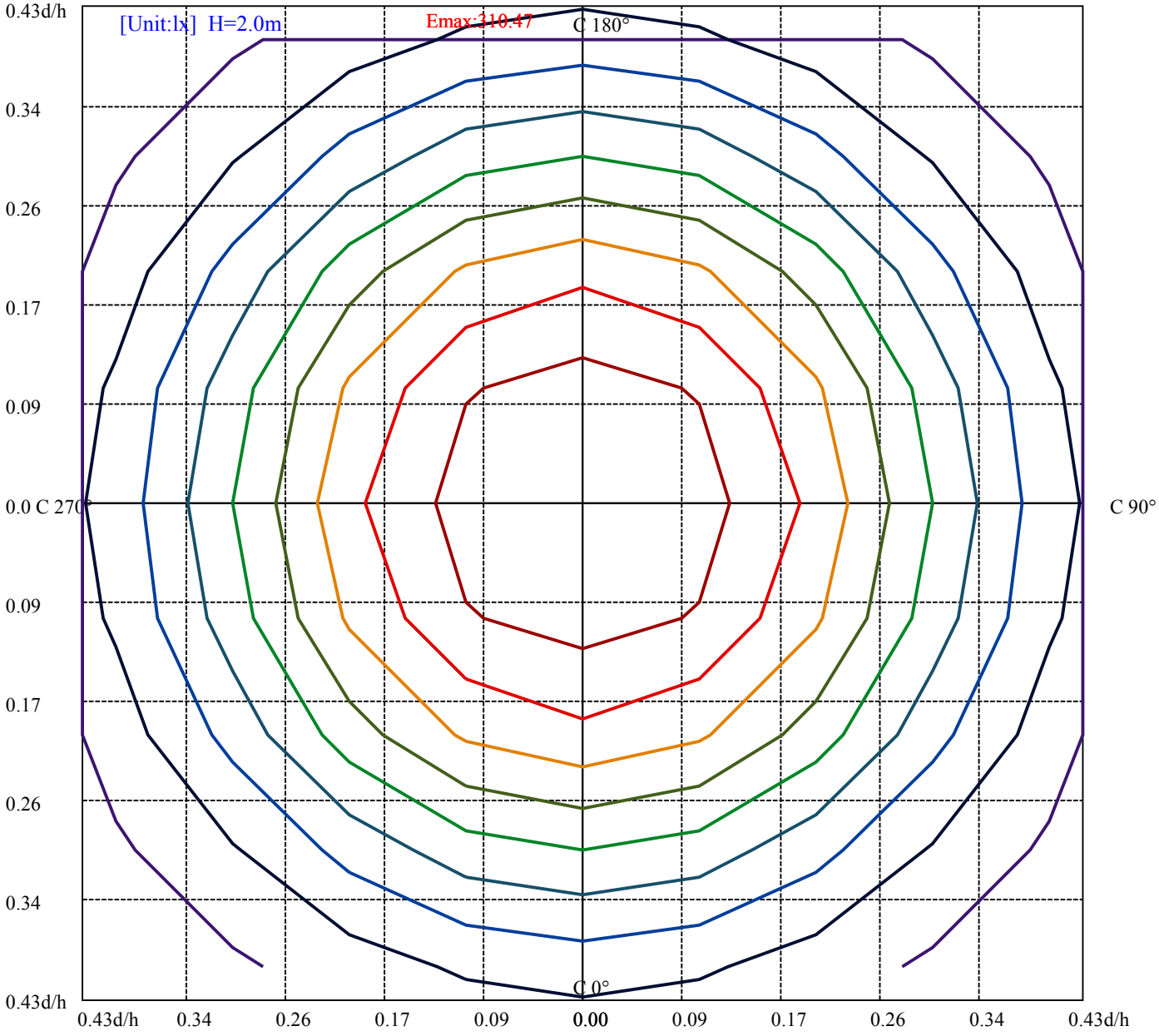
House [Unit:cd] Road

Imax:1241.89

(10%Imax) 124.188
(20%Imax) 248.377
(30%Imax) 372.565
(40%Imax) 496.754
(50%Imax) 620.942
(60%Imax) 745.131
(70%Imax) 869.319
(80%Imax) 993.508
(90%Imax) 1117.7

NT NT 61-0268

ISO illuminance diagram

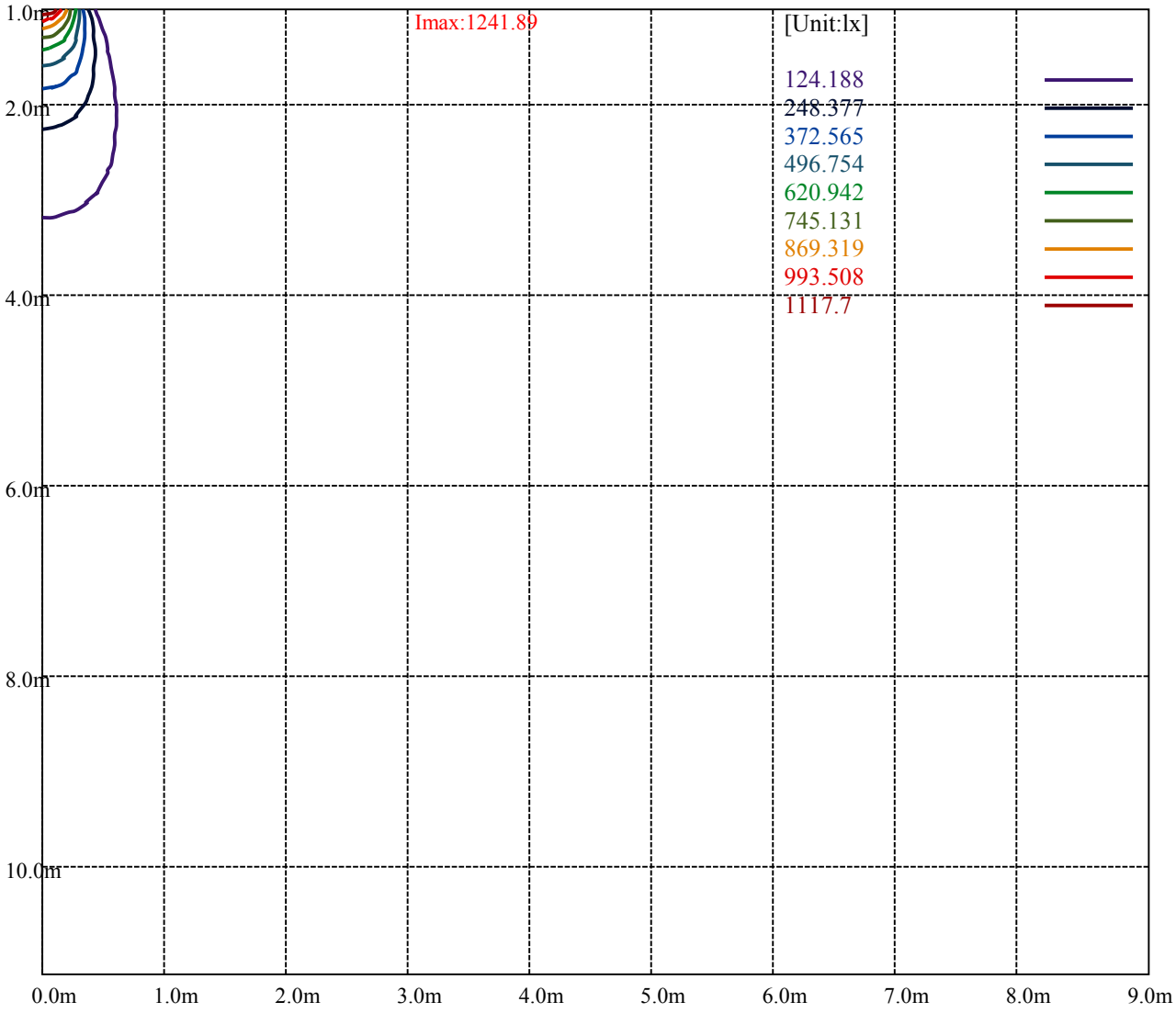


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/6/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 9.19

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/6/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 9.19

Luminance Limitting Curve(no luminous side)

Luminance Table

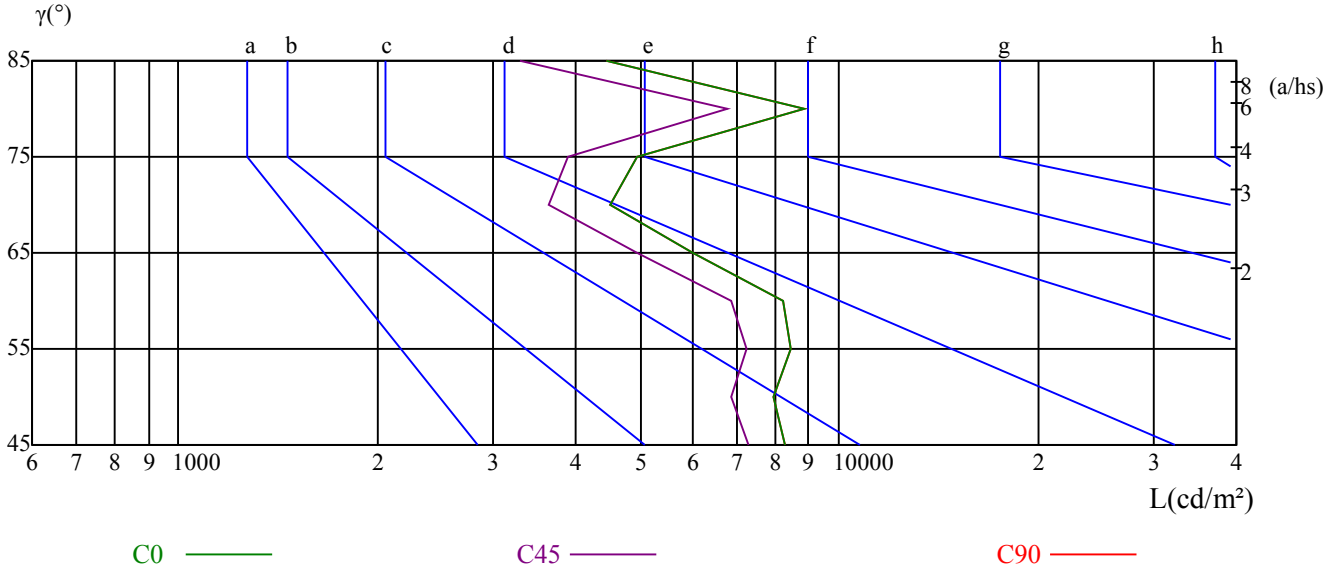
γ	45	50	55	60	65	70	75	80	85
C0	8316	7955	8478	8212	6012	4495	4938	8855	4441
C45	7307	6889	7230	6888	4951	3626	3889	6779	3283
C90	8316	7955	8478	8212	6012	4495	4938	8855	4441

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
12458	12458	12458	14151	14151	14151	29819	29819	29819

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

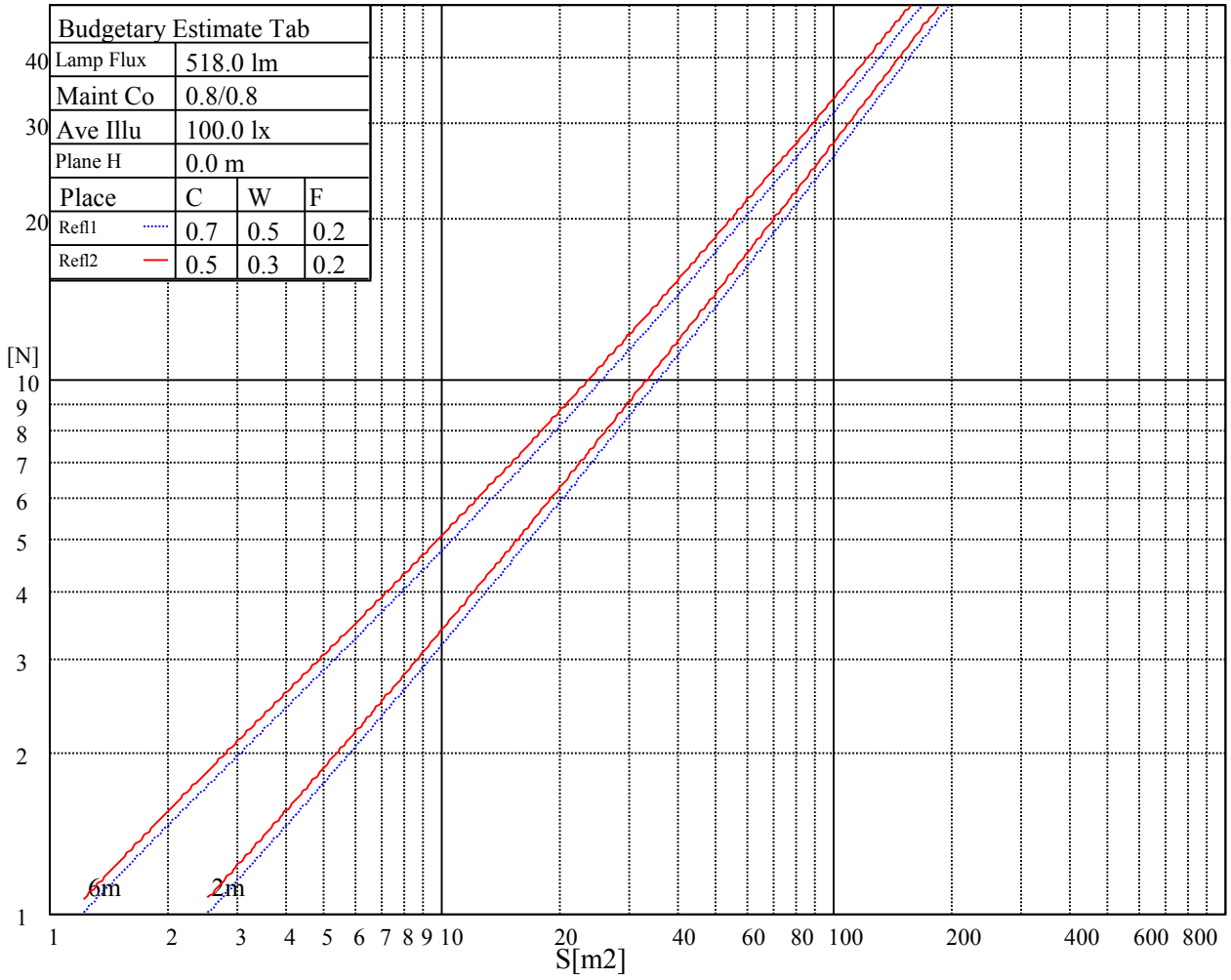
Luminance Limitting Curve



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	11.21	12.16	11.57	12.47	12.79	11.50	12.45	11.86	12.77	13.08
	3H	12.22	13.07	12.60	13.41	13.75	12.50	13.35	12.89	13.69	14.04
	4H	13.21	13.99	13.61	14.35	14.72	12.88	13.66	13.28	14.02	14.39
	6H	15.70	16.42	16.11	16.79	17.19	13.43	14.15	13.85	14.53	14.92
	8H	15.80	16.48	16.22	16.87	17.28	13.73	14.42	14.15	14.80	15.21
	12H	15.91	16.56	16.34	16.96	17.38	14.03	14.68	14.45	15.07	15.49
4H	2H	11.74	12.53	12.14	12.88	13.25	11.97	12.76	12.37	13.11	13.48
	3H	12.82	13.49	13.25	13.88	14.30	13.04	13.71	13.47	14.10	14.52
	4H	14.18	14.76	14.62	15.18	15.63	13.58	14.15	14.01	14.57	15.02
	6H	16.57	17.08	17.05	17.53	17.99	14.24	14.75	14.71	15.20	15.65
	8H	16.73	17.20	17.22	17.66	18.14	14.65	15.13	15.14	15.58	16.06
	12H	16.92	17.36	17.41	17.81	18.33	15.07	15.50	15.56	15.96	16.48
8H	4H	14.38	14.85	14.87	15.31	15.79	13.76	14.23	14.25	14.69	15.16
	6H	16.74	17.13	17.25	17.61	18.12	14.59	14.98	15.10	15.45	15.97
	8H	17.03	17.36	17.57	17.88	18.38	15.19	15.51	15.72	16.03	16.53
	12H	17.33	17.58	17.87	18.09	18.62	15.75	16.00	16.30	16.52	17.04
12H	4H	14.39	14.82	14.88	15.27	15.80	13.82	14.25	14.31	14.70	15.22
	6H	16.80	17.12	17.33	17.64	18.14	14.74	15.06	15.27	15.58	16.08
	8H	17.10	17.34	17.64	17.86	18.38	15.36	15.60	15.90	16.12	16.64
Variation with the observer position at spacings:											
S = 1.0H		0.9/-1.3					0.9/-1.3				
S = 1.5H		0.4/-1.2					0.4/-1.2				
S = 2.0H		0.9/-0.5					0.9/-0.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		0.8					0.8				

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

Budgetary Estimate Table

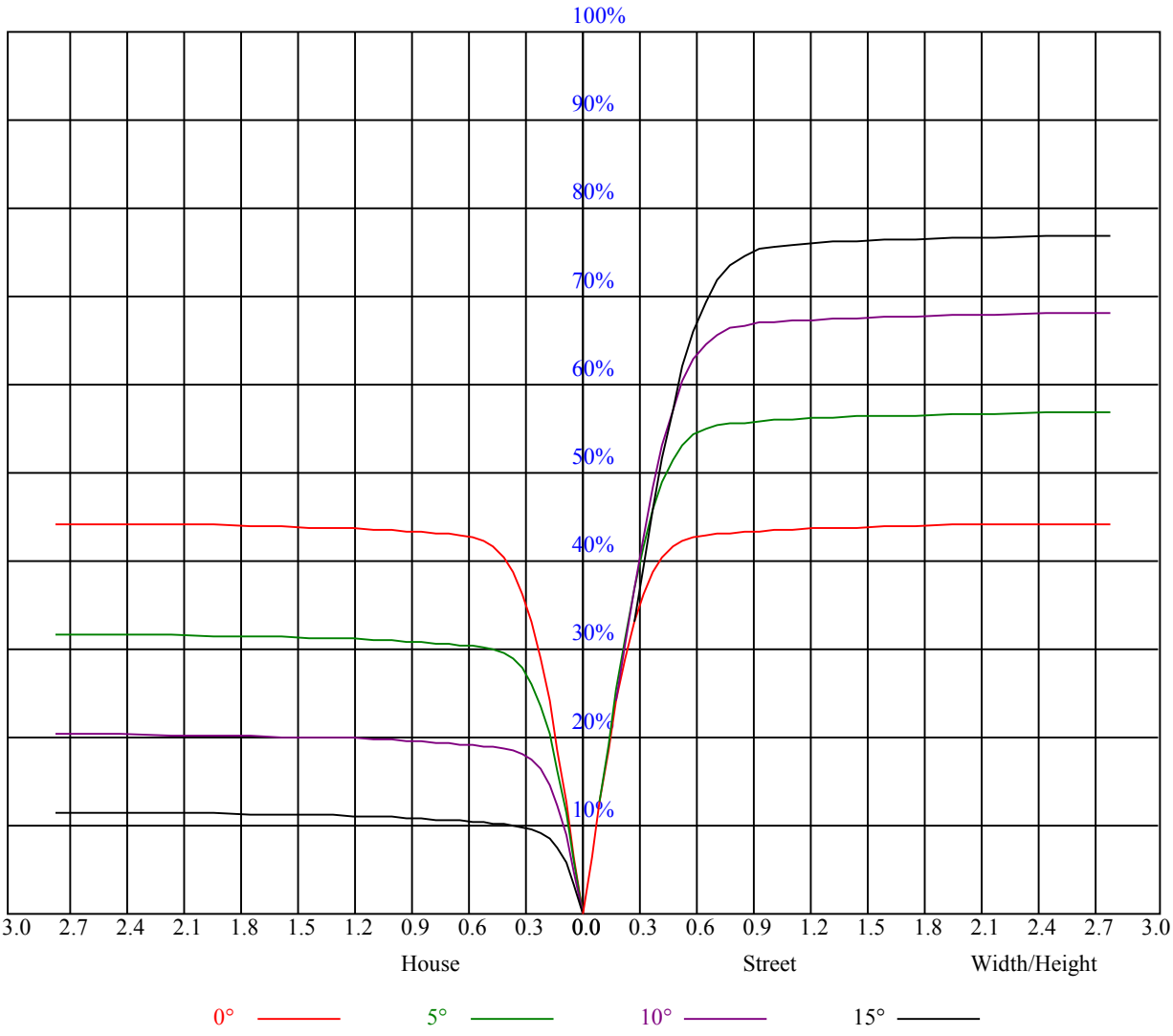


Equipment: GMS1980 Date: 2025/6/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.19

Utilization factor table for indoor luminaire

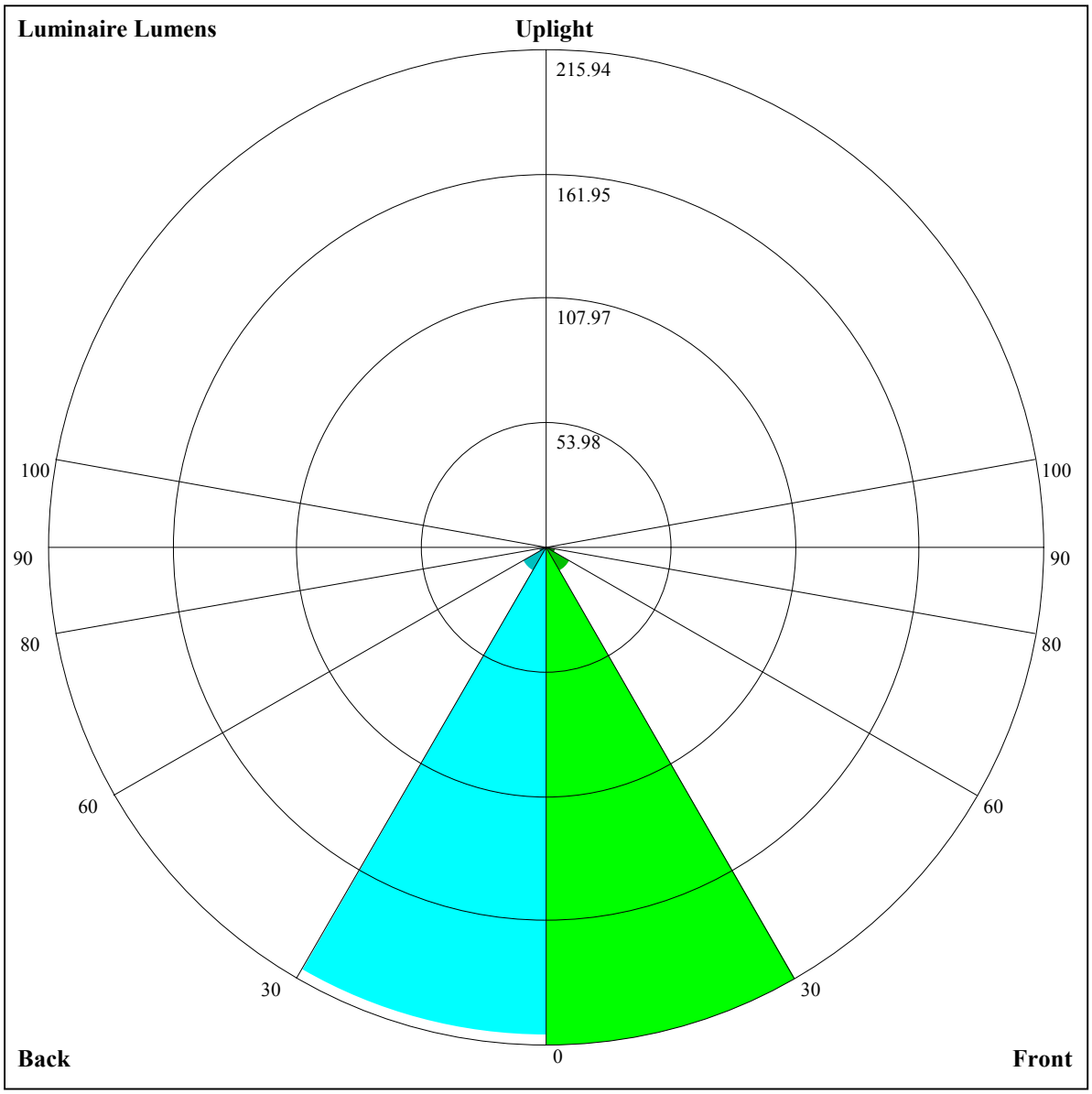
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.06	1.06	1.06	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	1.00	0.98	0.96	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.91	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.85	0.84	0.82	0.81
3	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.77
4	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.70	0.69
7	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	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	0.62
10	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2025/6/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.19

LCS Graph



Luminaire Lumens:

FL=215.94,FM=11.69,FH=3.99,FVH=1.27

BL=211.86,BM=12.02,BH=3.81,BVH=1.22

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	1246.83	1248.94	1242.43	1230.61	1225.96	1218.11	1202.49	1192.94	1163.97
45.0	1236.18	1246.99	1252.15	1257.13	1251.64	1253.08	1249.44	1241.08	1226.89
90.0	1243.95	1247.50	1247.25	1245.64	1239.90	1231.71	1216.51	1202.49	1179.68
135.0	1242.35	1248.18	1243.78	1235.09	1222.59	1217.35	1199.70	1175.04	1158.82
180.0	1246.83	1242.69	1234.75	1220.39	1207.98	1192.44	1167.94	1152.32	1133.82
225.0	1232.64	1225.80	1209.07	1188.72	1170.31	1148.60	1122.34	1101.05	1073.69
270.0	1243.95	1239.39	1226.05	1208.99	1194.80	1175.38	1151.47	1128.25	1102.91
315.0	1242.35	1226.13	1217.43	1204.85	1189.06	1172.25	1157.22	1131.63	1105.02
360.0	1246.83	1248.94	1242.43	1230.61	1225.96	1218.11	1202.49	1192.94	1163.97

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1141.59	1107.90	1068.03	1007.81	957.06	883.33	829.11	769.31	692.03
45.0	1216.34	1195.22	1155.70	1102.24	1045.90	982.73	924.71	864.07	776.40
90.0	1148.86	1114.14	1068.29	1001.31	948.44	871.92	814.83	753.43	684.60
135.0	1129.26	1098.27	1062.71	1017.02	971.92	902.50	846.50	788.48	713.65
180.0	1102.15	1069.21	1025.47	978.09	918.38	867.62	812.21	755.04	684.35
225.0	1039.15	993.03	946.42	897.26	848.36	779.28	723.11	669.23	596.09
270.0	1077.91	1044.64	1005.28	949.12	902.24	854.44	801.40	742.79	684.94
315.0	1073.27	1028.84	989.07	941.85	895.91	833.24	779.28	721.85	645.92
360.0	1141.59	1107.90	1068.03	1007.81	957.06	883.33	829.11	769.31	692.03

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	629.45	562.90	499.98	422.36	361.64	305.90	255.23	197.71	157.26
45.0	702.25	632.15	539.59	471.43	404.46	343.91	274.23	223.89	179.72
90.0	615.60	528.44	463.92	400.07	337.91	269.25	221.27	169.00	134.20
135.0	656.05	597.95	522.02	460.54	401.50	346.02	282.17	236.05	194.16
180.0	625.90	565.01	491.11	435.46	384.11	317.39	269.16	225.50	175.92
225.0	541.36	483.17	414.26	360.46	311.56	252.86	210.80	172.88	138.93
270.0	626.92	554.62	498.97	441.54	374.06	320.17	270.34	215.19	177.27
315.0	586.04	521.77	446.60	389.26	335.21	271.70	227.52	186.56	141.89
360.0	629.45	562.90	499.98	422.36	361.64	305.90	255.23	197.71	157.26

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	120.69	84.29	61.40	44.25	29.64	22.21	17.82	14.61	13.09
45.0	138.25	97.55	72.63	53.88	37.16	28.04	20.86	17.31	14.86
90.0	105.06	76.26	58.70	44.59	32.01	24.75	19.76	15.54	13.60
135.0	158.10	118.07	91.97	71.28	50.67	38.51	27.79	21.87	17.57
180.0	141.89	112.16	86.65	59.88	44.00	32.35	23.90	17.40	14.36
225.0	102.95	78.71	59.20	43.75	29.81	22.63	17.82	14.19	12.25
270.0	143.91	108.19	85.22	65.62	50.34	38.17	26.18	20.10	16.13
315.0	110.81	85.98	65.37	48.82	33.61	24.83	19.59	15.88	14.10
360.0	120.69	84.29	61.40	44.25	29.64	22.21	17.82	14.61	13.09

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	11.82	10.81	9.80	9.12	8.53	8.11	7.60	7.26	6.93
45.0	13.34	11.91	10.98	10.30	9.54	8.87	8.36	7.94	7.60
90.0	12.16	11.06	10.22	9.37	8.87	8.45	8.02	7.69	7.43
135.0	15.03	12.84	11.74	10.64	9.80	8.95	8.45	7.94	7.43
180.0	12.25	11.15	10.39	9.46	8.87	8.28	7.94	7.52	7.26
225.0	10.81	9.97	9.29	8.61	7.94	7.52	7.09	6.76	6.50
270.0	12.84	11.49	10.47	9.37	8.70	8.02	7.52	7.09	6.84
315.0	12.75	11.49	10.56	9.71	9.04	8.53	8.11	7.69	7.35
360.0	11.82	10.81	9.80	9.12	8.53	8.11	7.60	7.26	6.93

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	6.76	6.59	6.50	6.42	6.42	6.42	6.33	6.25	6.25
45.0	7.35	7.18	7.01	6.84	6.76	6.84	6.76	6.76	6.76
90.0	7.18	7.01	6.84	6.76	6.76	6.76	6.84	6.84	6.76
135.0	7.18	6.84	6.67	6.42	6.33	6.25	6.25	6.33	6.25
180.0	6.93	6.76	6.59	6.50	6.33	6.33	6.33	6.42	6.42
225.0	6.25	6.17	6.00	6.00	5.91	6.00	6.00	6.00	6.00
270.0	6.50	6.25	6.17	6.00	6.00	5.91	6.00	6.00	5.91
315.0	7.18	7.01	6.84	6.76	6.67	6.67	6.59	6.67	6.84
360.0	6.76	6.59	6.50	6.42	6.42	6.42	6.33	6.25	6.25

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.25	6.17	6.17	6.08	5.83	5.74	5.57	5.15	4.81
45.0	6.76	6.76	6.76	6.59	6.50	6.42	6.25	5.91	5.57
90.0	6.76	6.76	6.67	6.59	6.42	6.17	5.83	5.49	5.15
135.0	6.25	6.17	6.17	6.08	6.00	5.83	5.74	5.41	5.15
180.0	6.67	7.18	7.69	8.36	8.28	7.94	7.52	6.84	6.00
225.0	6.08	6.08	6.08	6.00	5.91	5.83	5.49	5.24	4.90
270.0	6.00	5.91	6.00	5.91	5.83	5.83	5.66	5.41	5.07
315.0	7.01	7.26	7.69	7.52	7.18	6.76	6.00	5.41	4.90
360.0	6.25	6.17	6.17	6.08	5.83	5.74	5.57	5.15	4.81

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.48	4.14	3.88	3.63	3.38	3.12	2.96	2.79	2.53
45.0	5.15	4.81	4.48	4.22	3.88	3.63	3.29	3.04	2.79
90.0	4.81	4.48	4.14	3.88	3.63	3.29	3.04	2.87	2.62
135.0	4.73	4.39	4.22	3.88	3.63	3.38	3.21	2.87	2.79
180.0	5.07	4.56	4.22	3.97	3.63	3.46	3.29	3.04	2.96
225.0	4.65	4.31	3.97	3.72	3.38	3.12	2.87	2.62	2.45
270.0	4.81	4.48	4.22	3.88	3.63	3.38	3.12	2.87	2.62
315.0	4.48	4.14	3.88	3.63	3.38	3.12	2.96	2.79	2.62
360.0	4.48	4.14	3.88	3.63	3.38	3.12	2.96	2.79	2.53

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.45	2.36	2.45	3.80	7.09	9.12	7.52	4.81	2.28
45.0	2.62	2.45	2.45	2.36	2.28	2.20	2.11	2.11	2.11
90.0	2.45	2.36	2.36	2.36	2.28	2.36	2.28	2.28	2.28
135.0	2.53	2.45	2.45	2.53	4.05	6.84	8.19	8.95	8.61
180.0	2.79	2.70	2.79	2.87	5.49	7.94	9.37	7.69	3.97
225.0	2.36	2.28	2.28	2.28	2.28	2.20	2.20	2.11	2.11
270.0	2.36	2.28	2.20	2.20	2.20	2.20	2.20	2.20	2.20
315.0	2.62	2.62	2.79	4.56	8.36	10.22	11.99	13.18	13.43
360.0	2.45	2.36	2.45	3.80	7.09	9.12	7.52	4.81	2.28

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.03	2.03	1.94	1.94	1.77	1.77	1.69	1.69	1.44
45.0	2.03	2.03	2.03	1.94	1.94	1.77	1.69	1.69	1.60
90.0	2.20	2.20	2.11	2.03	1.86	1.77	1.69	1.69	1.27
135.0	7.69	5.74	3.80	2.62	1.94	1.77	1.77	1.77	1.69
180.0	2.96	2.87	2.87	2.87	2.87	1.77	1.69	1.52	1.18
225.0	2.03	1.94	1.94	1.86	1.77	1.69	1.69	1.18	1.01
270.0	2.11	2.11	2.03	1.94	1.86	1.77	1.77	1.69	1.10
315.0	11.91	8.11	4.48	2.36	2.28	1.94	1.77	1.44	1.10
360.0	2.03	2.03	1.94	1.94	1.77	1.77	1.69	1.69	1.44

Intensity data(cd)

C/γ(°)	90.0
0.0	1.10
45.0	1.18
90.0	1.10
135.0	1.10
180.0	1.10
225.0	1.10
270.0	1.01
315.0	1.10
360.0	1.10