NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86 571 85021543 Fax:+86 571 87977635
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 2-2873-L
Luminaire: 92.70.412.00
Report No: 20250104-B003
Ballast type: AC

Test No: 20250104-C003	Voltage(V): 34.510
LampCAT: CITIZEN CLU038	Current(A): 0.451
Lamp flux(lm): 2602.3	Power (W): 15.564
Number of Lamps: 1	PF: 0.000
Length(mm): 75	Width(mm): 75
Phm Type: C	Height(mm): 44

Photometric Results

Lumens(lm): 2547.60, Efficiency(%): 97.90% , Luminous Efficacy(lm/W): 163.69
Central intensity(cd): 5633.142, Maximum intensity(cd): 5633.142
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.4
[C90/270]Total=36.4
Field angle(10%Imax): [C0/180]Total=68.4
[C90/270]Total=68.4
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 97.90%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.516%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5633.142	0.000	0	0.00%	0.00%
1.0	5626.412	5.387	5.387	0.21%	0.21%
2.0	5605.344	16.121	21.508	0.62%	0.84%
3.0	5573.741	26.737	48.245	1.03%	1.89%
4.0	5525.534	37.153	85.398	1.43%	3.35%
5.0	5464.963	47.281	132.678	1.82%	5.21%
6.0	5385.884	57.024	189.703	2.19%	7.45%
7.0	5289.834	66.264	255.967	2.55%	10.05%
8.0	5175.569	74.899	330.865	2.88%	12.99%
9.0	5038.773	82.782	413.647	3.18%	16.24%
10.0	4875.568	89.721	503.368	3.45%	19.76%
11.0	4685.955	95.539	598.908	3.67%	23.51%
12.0	4472.055	100.110	699.018	3.85%	27.44%
13.0	4234.161	103.321	802.339	3.97%	31.49%
14.0	3975.638	105.085	907.423	4.04%	35.62%
15.0	3722.309	105.681	1013.104	4.06%	39.77%
16.0	3423.040	104.699	1117.803	4.02%	43.88%
17.0	3156.177	102.456	1220.26	3.94%	47.90%
18.0	2869.856	99.356	1319.616	3.82%	51.80%
19.0	2609.138	95.323	1414.939	3.66%	55.54%
20.0	2336.057	90.511	1505.45	3.48%	59.09%
21.0	2089.897	84.987	1590.437	3.27%	62.43%
22.0	1867.804	79.532	1669.969	3.06%	65.55%
23.0	1674.387	74.325	1744.294	2.86%	68.47%
24.0	1485.703	69.091	1813.384	2.65%	71.18%
25.0	1370.041	64.933	1878.318	2.50%	73.73%
26.0	1261.657	62.122	1940.439	2.39%	76.17%
27.0	1171.130	59.519	1999.958	2.29%	78.50%
28.0	1100.823	57.521	2057.479	2.21%	80.76%
29.0	1033.303	55.835	2113.314	2.15%	82.95%
30.0	958.043	53.766	2167.08	2.07%	85.06%
31.0	875.519	51.025	2218.105	1.96%	87.07%
32.0	779.578	47.417	2265.522	1.82%	88.93%
33.0	678.854	42.966	2308.488	1.65%	90.61%
34.0	581.640	38.146	2346.634	1.47%	92.11%
35.0	472.123	32.726	2379.36	1.26%	93.40%
36.0	380.447	27.146	2406.506	1.04%	94.46%
37.0	293.856	21.992	2428.498	0.85%	95.32%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	217.236	17.060	2445.557	0.66%	95.99%
39.0	171.317	13.262	2458.82	0.51%	96.52%
40.0	103.161	9.573	2468.393	0.37%	96.89%
41.0	56.262	5.677	2474.07	0.22%	97.11%
42.0	43.146	3.612	2477.681	0.14%	97.26%
43.0	36.950	2.967	2480.648	0.11%	97.37%
44.0	32.604	2.625	2483.273	0.10%	97.47%
45.0	29.298	2.379	2485.652	0.09%	97.57%
46.0	26.518	2.183	2487.835	0.08%	97.65%
47.0	24.419	2.026	2489.861	0.08%	97.73%
48.0	22.758	1.907	2491.768	0.07%	97.81%
49.0	21.156	1.803	2493.572	0.07%	97.88%
50.0	19.978	1.715	2495.287	0.07%	97.95%
51.0	18.808	1.641	2496.928	0.06%	98.01%
52.0	17.908	1.575	2498.503	0.06%	98.07%
53.0	17.162	1.526	2500.029	0.06%	98.13%
54.0	16.474	1.483	2501.511	0.06%	98.19%
55.0	15.889	1.445	2502.956	0.06%	98.25%
56.0	15.391	1.413	2504.369	0.05%	98.30%
57.0	14.982	1.389	2505.758	0.05%	98.36%
58.0	14.594	1.368	2507.126	0.05%	98.41%
59.0	14.243	1.348	2508.474	0.05%	98.46%
60.0	13.936	1.331	2509.805	0.05%	98.52%
61.0	13.687	1.318	2511.123	0.05%	98.57%
62.0	13.460	1.308	2512.431	0.05%	98.62%
63.0	13.226	1.298	2513.729	0.05%	98.67%
64.0	13.051	1.289	2515.019	0.05%	98.72%
65.0	12.868	1.283	2516.301	0.05%	98.77%
66.0	12.714	1.276	2517.578	0.05%	98.82%
67.0	12.575	1.272	2518.849	0.05%	98.87%
68.0	12.451	1.268	2520.117	0.05%	98.92%
69.0	12.341	1.265	2521.382	0.05%	98.97%
70.0	12.246	1.263	2522.644	0.05%	99.02%
71.0	12.158	1.261	2523.906	0.05%	99.07%
72.0	12.070	1.260	2525.166	0.05%	99.12%
73.0	11.997	1.259	2526.424	0.05%	99.17%
74.0	11.902	1.256	2527.681	0.05%	99.22%
75.0	11.822	1.253	2528.934	0.05%	99.27%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.770	1.252	2530.186	0.05%	99.32%
77.0	11.712	1.252	2531.438	0.05%	99.37%
78.0	11.646	1.250	2532.689	0.05%	99.41%
79.0	11.602	1.249	2533.938	0.05%	99.46%
80.0	11.536	1.247	2535.185	0.05%	99.51%
81.0	11.514	1.247	2536.432	0.05%	99.56%
82.0	11.485	1.247	2537.679	0.05%	99.61%
83.0	11.441	1.246	2538.925	0.05%	99.66%
84.0	11.412	1.245	2540.17	0.05%	99.71%
85.0	11.390	1.244	2541.415	0.05%	99.76%
86.0	11.346	1.243	2542.658	0.05%	99.81%
87.0	11.309	1.240	2543.897	0.05%	99.85%
88.0	11.280	1.237	2545.135	0.05%	99.90%
89.0	11.251	1.235	2546.37	0.05%	99.95%
90.0	11.222	1.232	2547.602	0.05%	100.00%

Zonal flux distribution table

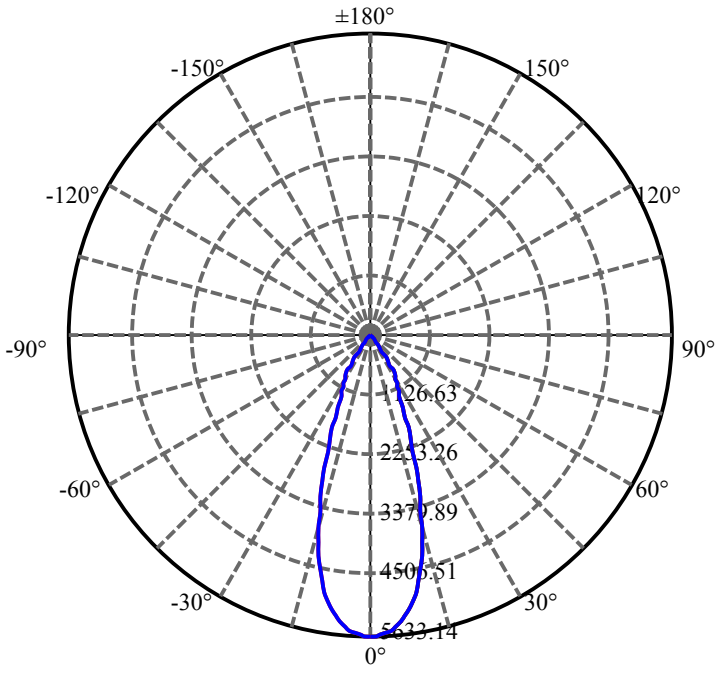
ZONAL LUMEN SUMMARY

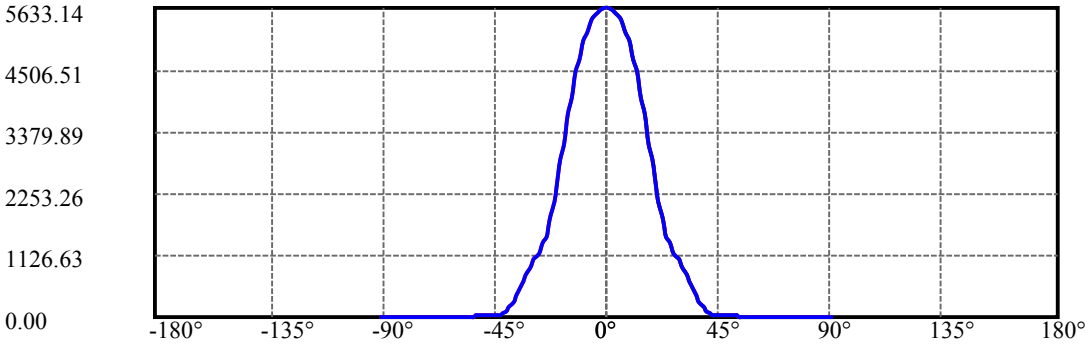
Zone	Lumens	%Lamp	%Fixt
0-30	2167.08	83.28%	85.06%
0-40	2468.39	94.85%	96.89%
0-60	2509.81	96.45%	98.52%
0-90	2546.37	97.85%	99.95%
0-120	2546.37	97.85%	99.95%
0-180	2547.60	97.90%	100.00%
60-90	36.56	1.41%	1.44%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.66	2038.08	78.32%	80.00%

ZONAL LUMEN SUMMARY

0-10	503.37
10-20	1002.08
20-30	661.63
30-40	301.31
40-50	26.89
50-60	14.52
60-70	12.84
70-80	12.54
80-90	11.18
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):

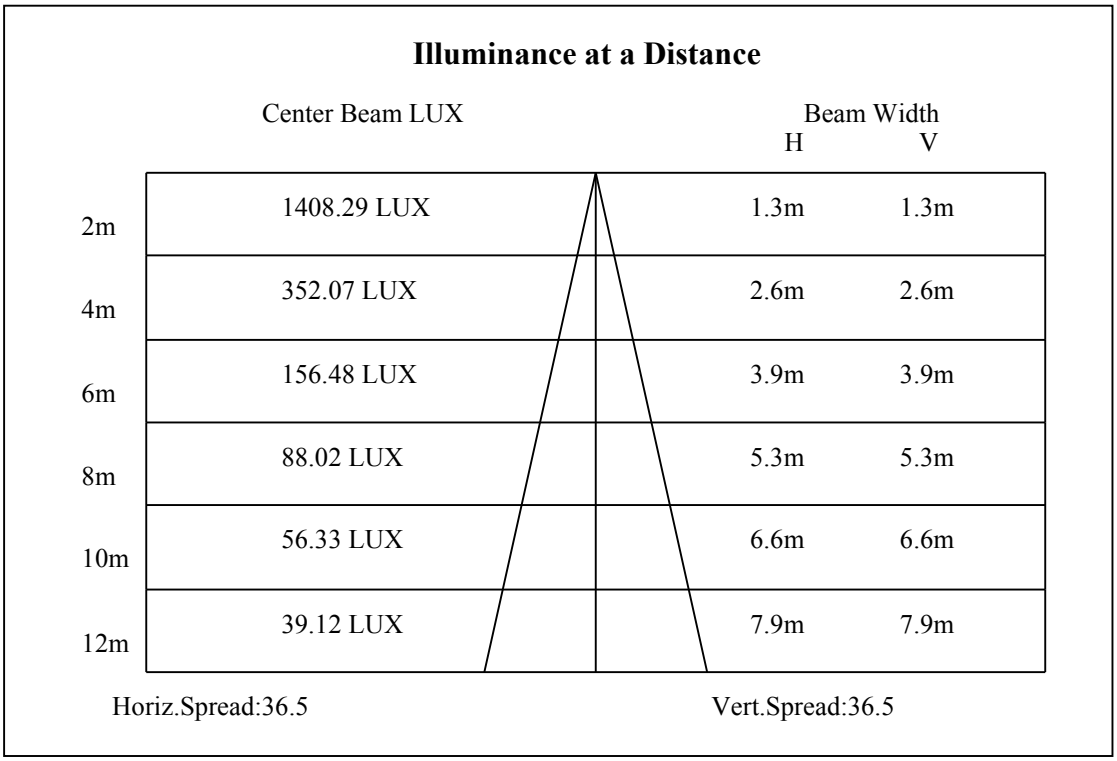
C0/C180:

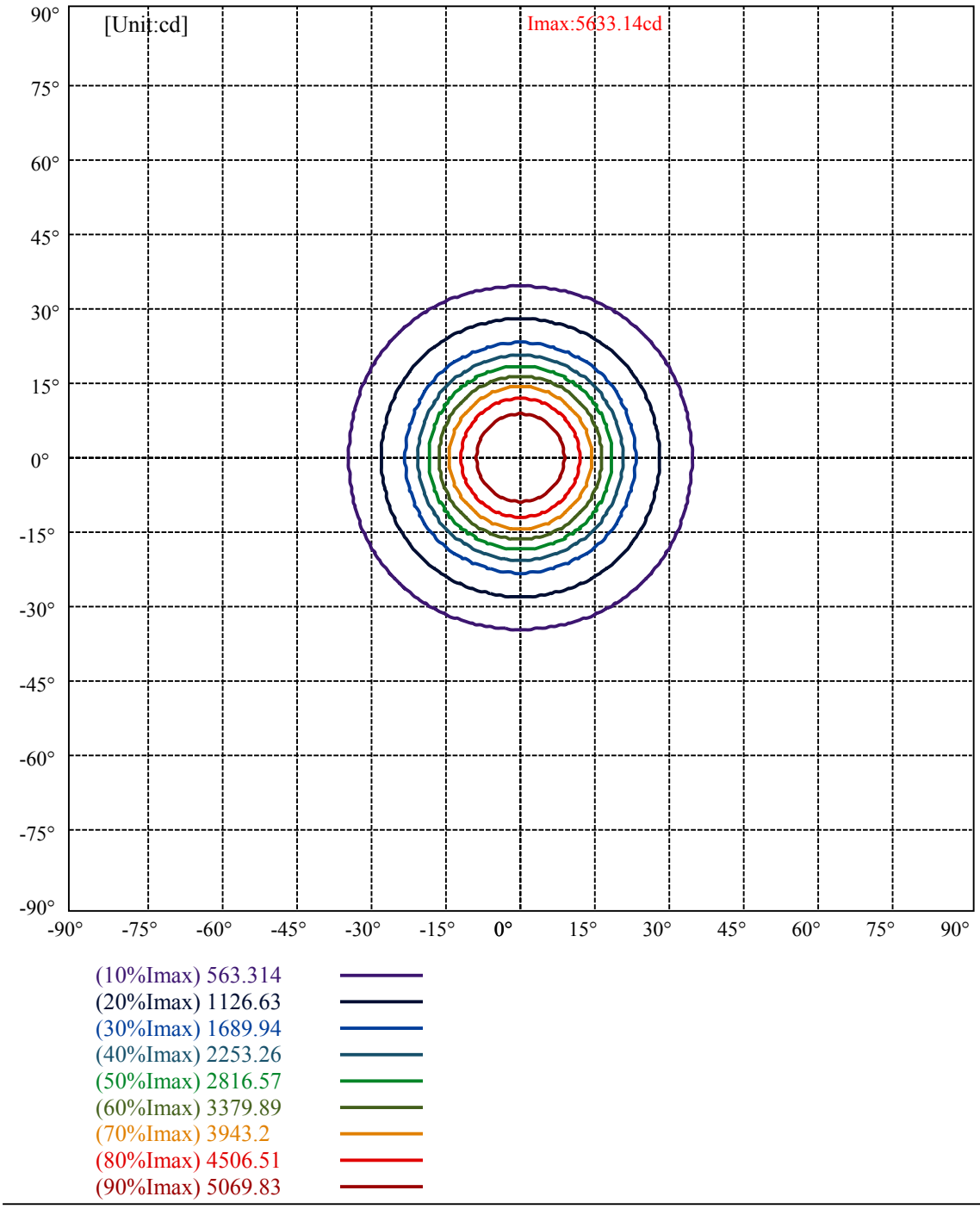
C90/C270:

Field angle(10%Imax):C0/180Left:34.2 Right:34.2
:C90/270Left:34.2 Right:34.2

Beam Angle(50%Imax):C0/180Left:18.2 Right:18.2
:C90/270Left:18.2 Right:18.2

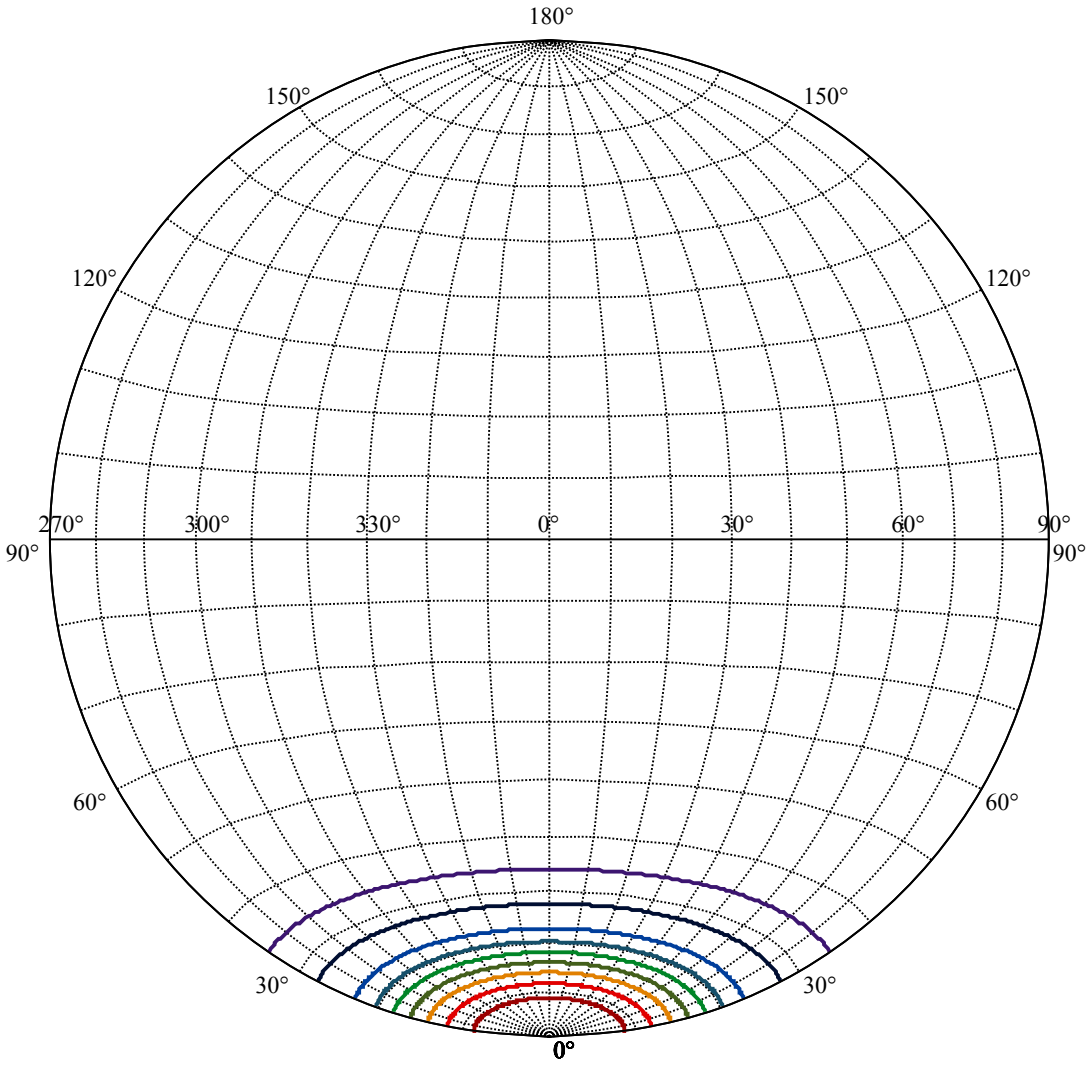
Lux distance Curve





Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/1/4
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

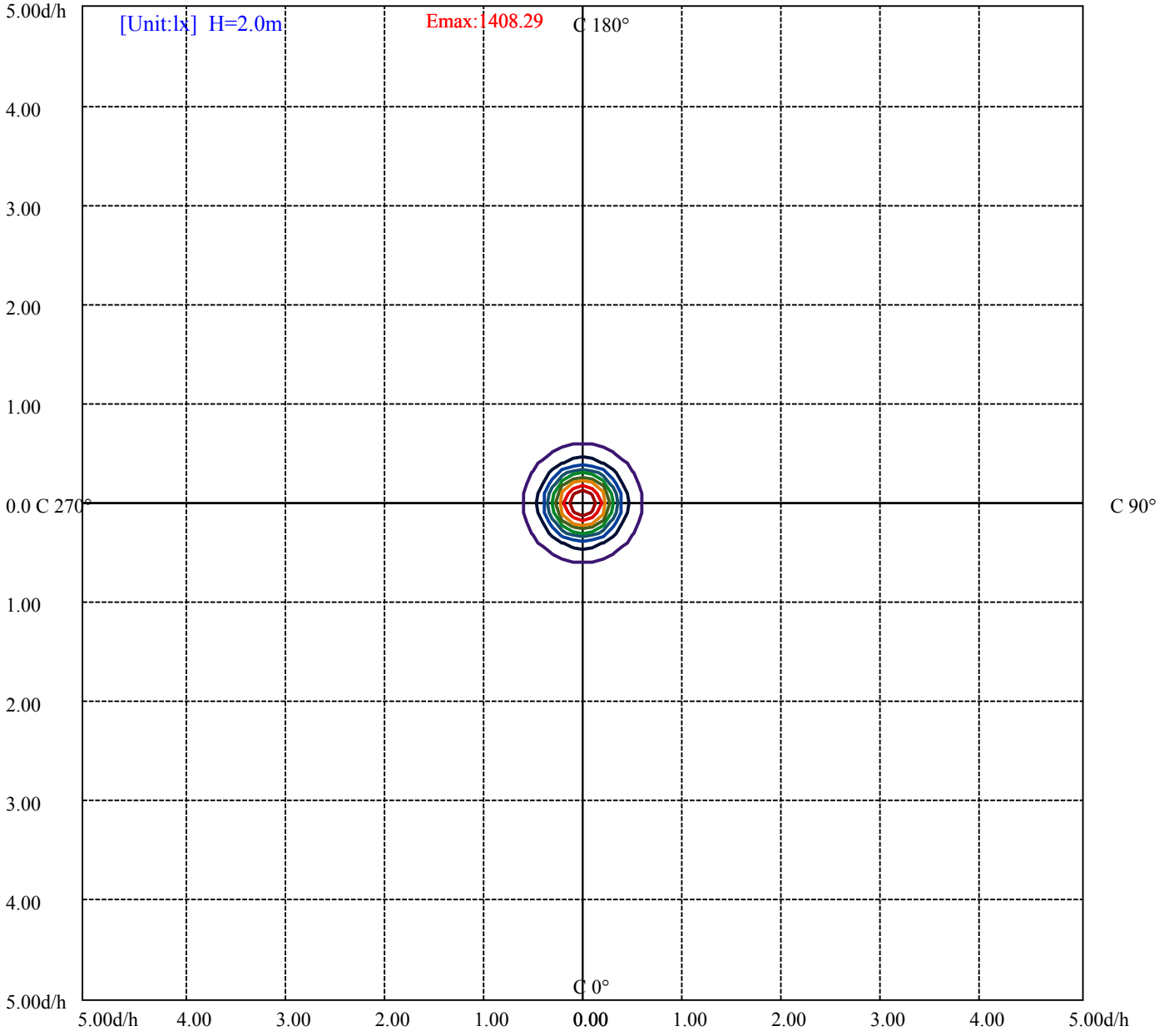
Imax:5633.14

(10%Imax) 563.314
(20%Imax) 1126.63
(30%Imax) 1689.94
(40%Imax) 2253.26
(50%Imax) 2816.57
(60%Imax) 3379.89
(70%Imax) 3943.2
(80%Imax) 4506.51
(90%Imax) 5069.83

Equipment: GMS1980 Date: 2025/1/4 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT NT 2-2873-L

ISO illuminance diagram



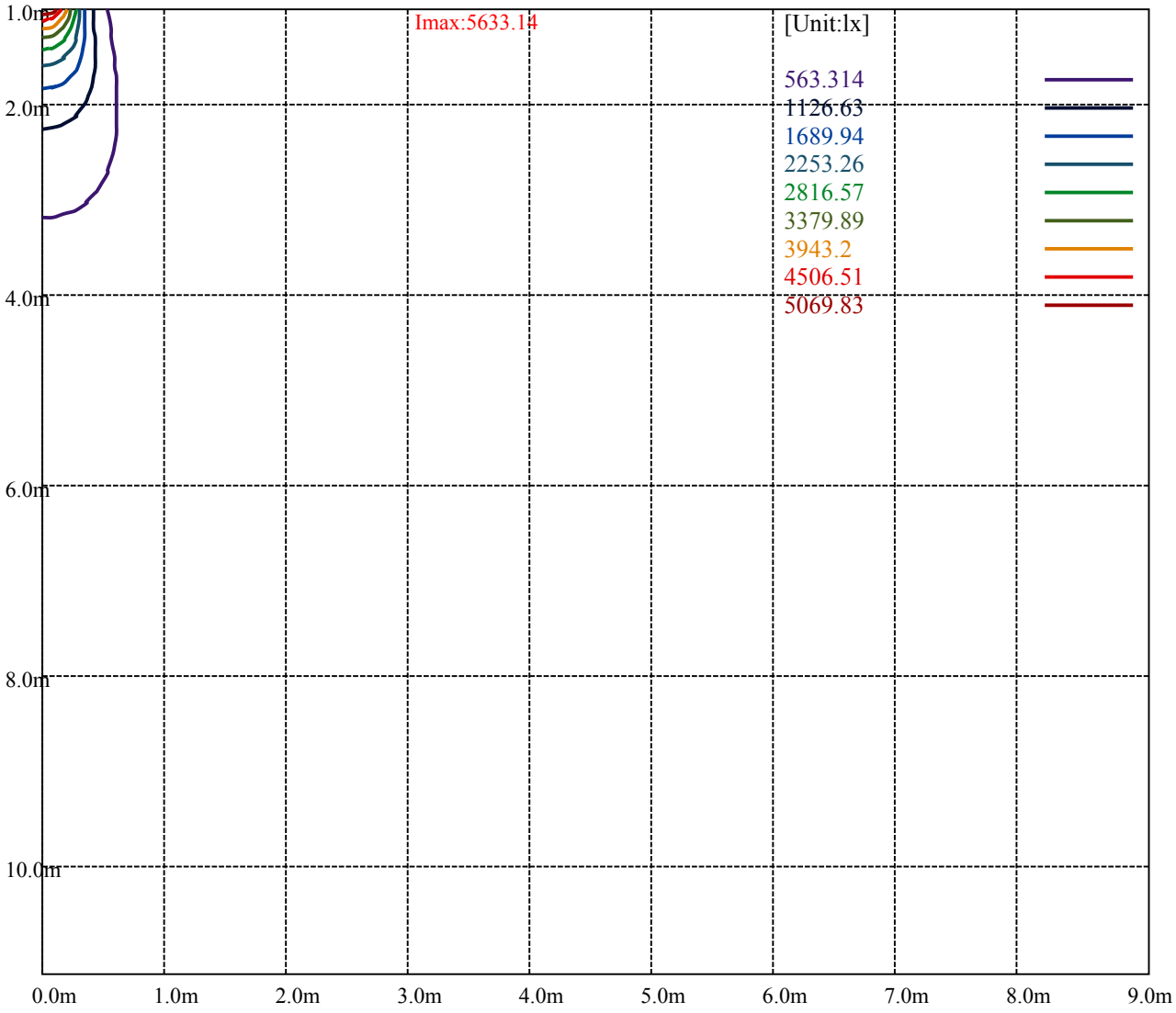
(10%Emax) 140.8285
(20%Emax) 281.6575
(30%Emax) 422.485
(40%Emax) 563.315
(50%Emax) 704.1425
(60%Emax) 844.97
(70%Emax) 985.8
(80%Emax) 1126.627
(90%Emax) 1267.458

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/1/4
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980 Date: 2025/1/4 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT NT 2-2873-L

Luminance Limitting Curve(no luminous side)

Luminance Table

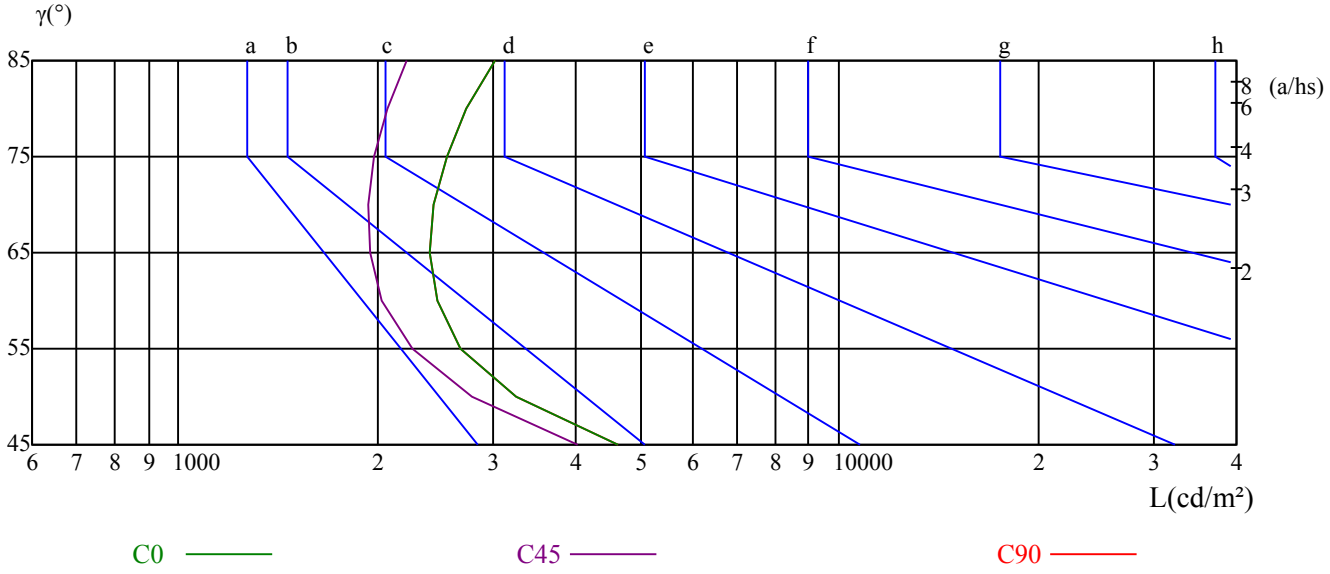
γ	45	50	55	60	65	70	75	80	85
C0	4642	3252	2680	2458	2397	2437	2546	2729	3015
C45	4026	2778	2254	2033	1948	1941	1982	2070	2216
C90	4642	3252	2680	2458	2397	2437	2546	2729	3015

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5413	5413	5413	8120	8120	8120	23233	23233	23233

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

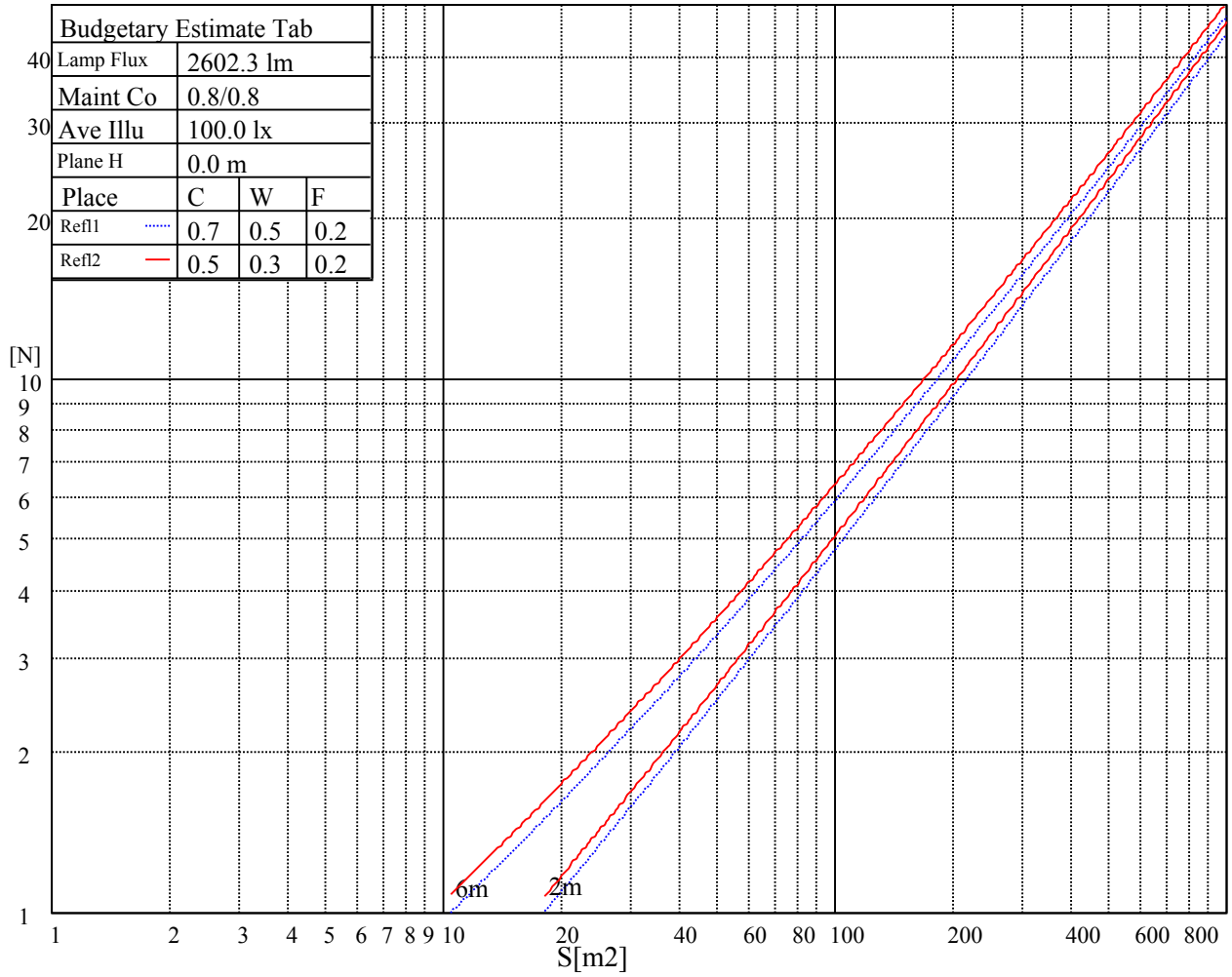
Luminance Limitting Curve



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	15.61	16.54	15.98	16.85	17.17	15.39	16.31	15.75	16.62	16.94
	3H	15.53	16.36	15.92	16.69	17.04	15.31	16.14	15.70	16.47	16.82
	4H	15.54	16.31	15.95	16.66	17.03	15.33	16.10	15.73	16.45	16.82
	6H	15.64	16.34	16.06	16.72	17.11	15.44	16.14	15.86	16.52	16.92
	8H	15.69	16.36	16.12	16.75	17.15	15.50	16.17	15.93	16.55	16.96
	12H	15.78	16.41	16.21	16.80	17.22	15.60	16.23	16.03	16.62	17.04
4H	2H	15.33	16.09	15.73	16.45	16.81	15.10	15.87	15.51	16.22	16.59
	3H	15.27	15.92	15.70	16.31	16.73	15.06	15.70	15.49	16.10	16.52
	4H	15.39	15.94	15.83	16.37	16.82	15.19	15.74	15.63	16.17	16.62
	6H	15.55	16.04	16.03	16.50	16.95	15.37	15.86	15.85	16.31	16.77
	8H	15.71	16.16	16.20	16.62	17.10	15.54	15.99	16.03	16.45	16.93
	12H	15.92	16.34	16.41	16.79	17.31	15.76	16.18	16.25	16.63	17.16
8H	4H	15.29	15.75	15.78	16.21	16.68	15.10	15.55	15.59	16.01	16.49
	6H	15.56	15.93	16.07	16.41	16.93	15.39	15.76	15.90	16.24	16.76
	8H	15.86	16.17	16.39	16.69	17.19	15.71	16.02	16.24	16.54	17.04
	12H	16.20	16.44	16.75	16.95	17.48	16.07	16.30	16.61	16.82	17.34
12H	4H	15.27	15.69	15.76	16.14	16.66	15.08	15.50	15.57	15.95	16.47
	6H	15.62	15.92	16.15	16.45	16.95	15.45	15.76	15.99	16.28	16.78
	8H	15.92	16.16	16.47	16.67	17.20	15.78	16.01	16.32	16.53	17.05
Variation with the observer position at spacings:											
S = 1.0H		5.8/-6.7					5.8/-6.7				
S = 1.5H		8.1/-5.2					8.1/-5.2				
S = 2.0H		9.7/-4.3					9.7/-4.3				
Standard tables:		BK2					BK2				
Uncorrected UGR		-2.4					-2.4				

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

Budgetary Estimate Table

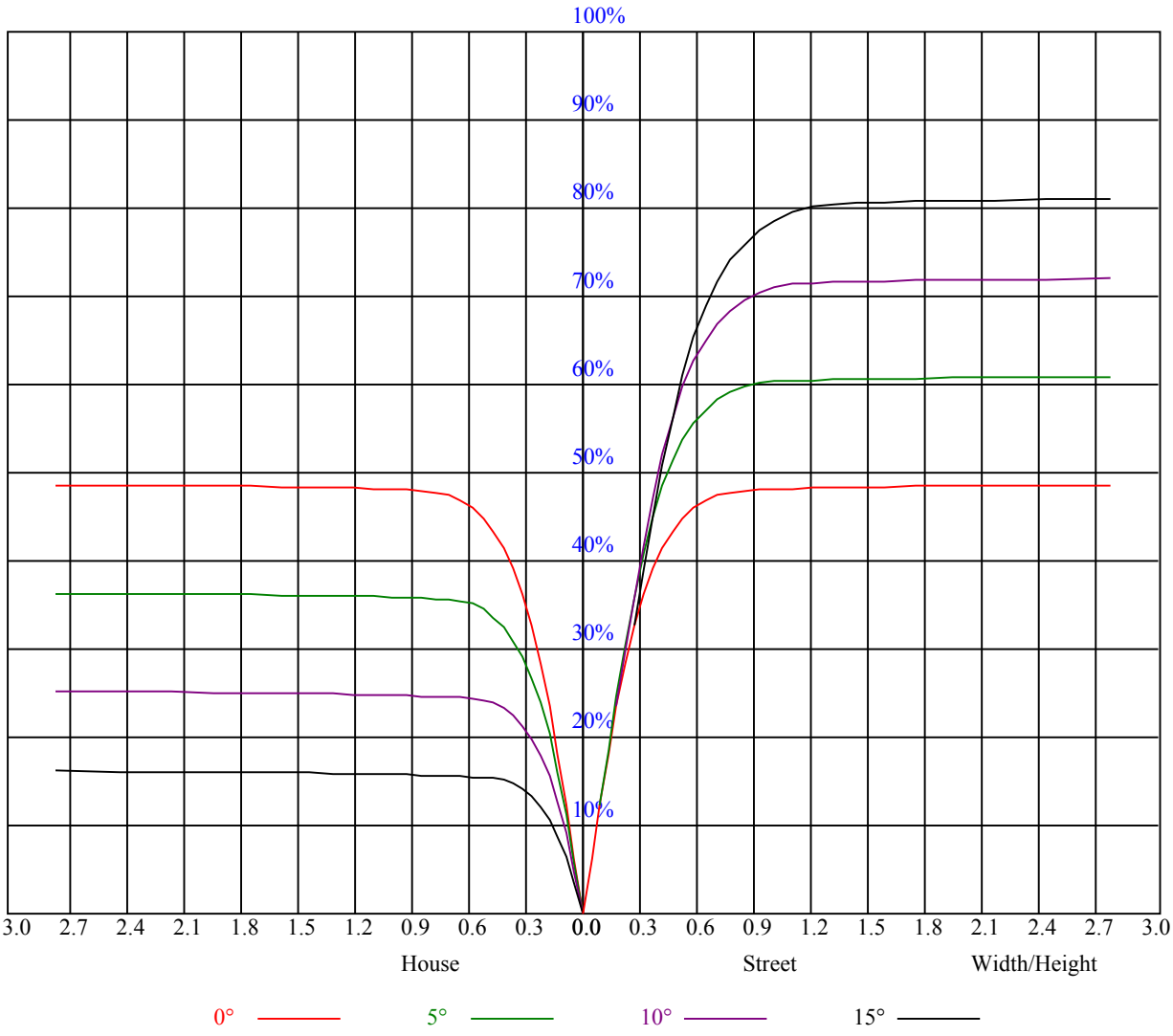


Equipment: GMS1980 Date: 2025/1/4 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

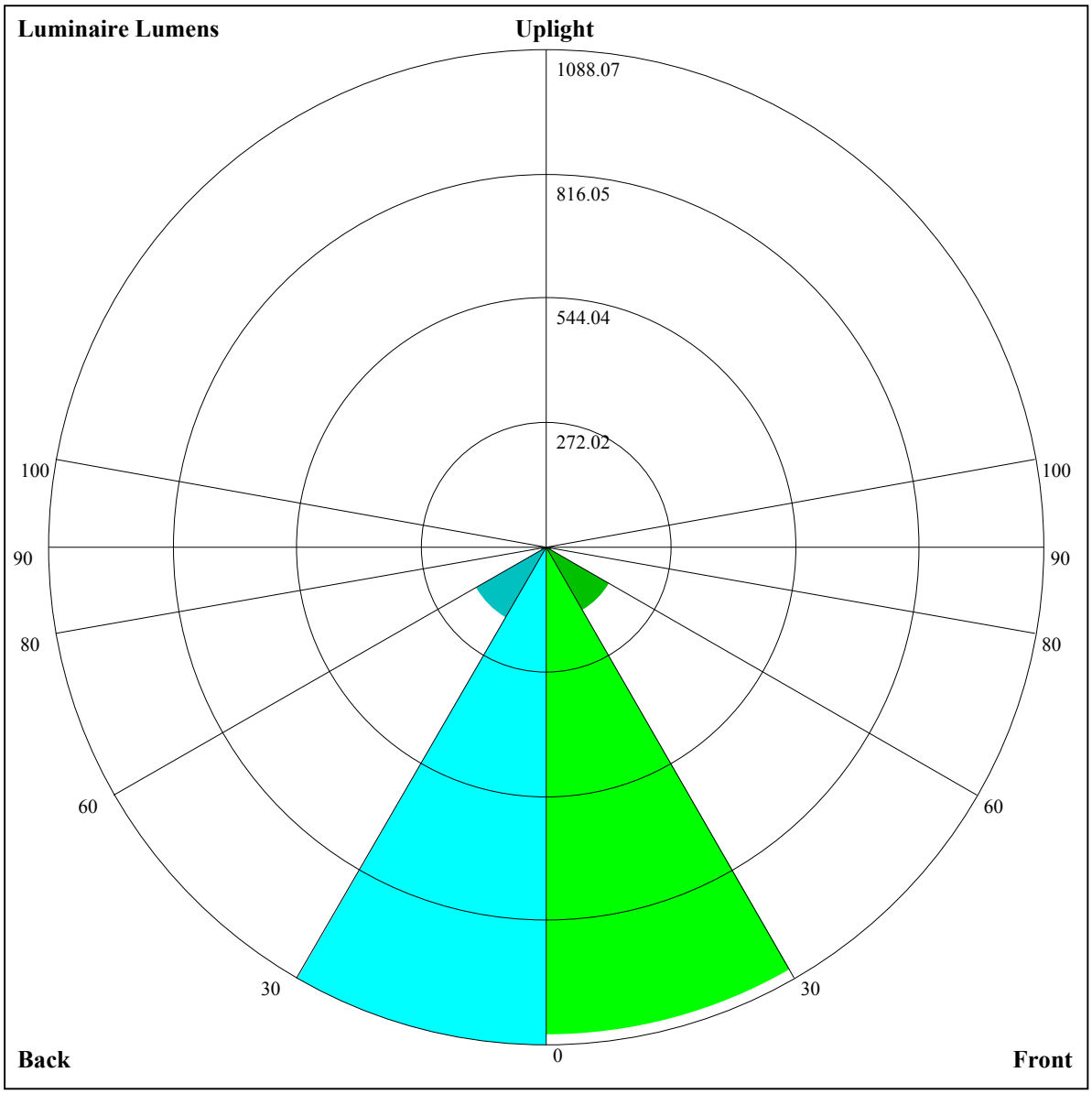
Utilization factor table for indoor luminaire

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	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.98
1	1.09	1.07	1.05	1.07	1.05	1.03	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93
2	1.03	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.97	0.93	0.89	0.96	0.92	0.89	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.85	0.83
4	0.92	0.87	0.84	0.91	0.87	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.79
5	0.87	0.82	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
6	0.83	0.78	0.75	0.83	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.72
7	0.80	0.74	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.69
8	0.76	0.71	0.68	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.63
10	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2025/1/4	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1067.23,FM=158.82,FH=12.62,FVH=6.21
BL=1088.07,BM=177.52,BH=12.71,BVH=6.21
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	5638.12	5623.49	5596.57	5556.18	5484.79	5410.46	5323.85	5218.51	5061.67
45.0	5629.34	5638.12	5636.36	5619.97	5597.15	5564.38	5521.07	5452.60	5382.37
90.0	5639.87	5639.29	5624.07	5601.25	5569.64	5526.92	5457.28	5386.47	5271.18
135.0	5625.24	5636.95	5632.85	5614.12	5583.11	5524.00	5461.96	5365.99	5272.35
180.0	5638.12	5636.95	5614.71	5582.52	5538.63	5464.30	5388.81	5294.59	5187.49
225.0	5629.34	5604.17	5573.74	5533.95	5469.57	5404.03	5302.20	5198.61	5072.20
270.0	5639.87	5630.51	5610.61	5581.35	5529.26	5475.42	5409.29	5302.20	5200.37
315.0	5625.24	5601.83	5553.84	5500.59	5432.12	5350.19	5222.61	5099.71	4956.91
360.0	5638.12	5623.49	5596.57	5556.18	5484.79	5410.46	5323.85	5218.51	5061.67

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4914.19	4747.99	4560.72	4300.29	4076.74	3844.99	3548.28	3303.65	3060.20
45.0	5293.42	5183.98	5010.17	4838.70	4635.04	4341.26	4079.66	3729.70	3441.18
90.0	5154.14	5011.34	4791.88	4584.13	4350.04	4032.84	3761.30	3478.05	3189.53
135.0	5161.74	5034.75	4848.06	4677.18	4485.22	4278.05	4057.42	3764.81	3524.28
180.0	5030.07	4877.32	4711.70	4525.02	4254.64	4041.62	3822.75	3521.94	3293.70
225.0	4921.22	4697.66	4491.08	4262.25	4017.04	3695.75	3432.40	3166.71	2833.72
270.0	5041.19	4884.35	4708.19	4440.16	4193.20	3946.23	3692.24	3338.77	3069.56
315.0	4794.22	4567.15	4365.84	4148.72	3861.37	3624.36	3384.41	3080.68	2837.23
360.0	4914.19	4747.99	4560.72	4300.29	4076.74	3844.99	3548.28	3303.65	3060.20

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2767.00	2533.50	2307.60	2045.42	1864.59	1711.26	1577.24	1435.03	1339.05
45.0	3157.35	2879.95	2536.42	2270.15	2019.08	1789.68	1553.25	1401.67	1277.02
90.0	2841.91	2563.93	2290.04	2030.20	1736.42	1539.79	1289.31	1155.82	1133.76
135.0	3225.82	2991.14	2757.05	2466.78	2244.98	2036.06	1805.48	1655.07	1525.74
180.0	3005.77	2771.68	2535.25	2312.28	2055.37	1877.46	1727.06	1595.97	1458.44
225.0	2568.03	2307.60	1998.02	1776.80	1591.87	1404.60	1157.46	1157.46	1097.82
270.0	2798.02	2521.21	2179.44	1927.79	1704.23	1481.85	1339.05	1223.76	1109.65
315.0	2594.95	2304.09	2084.63	1889.75	1725.89	1554.42	1436.79	1335.54	1151.78
360.0	2767.00	2533.50	2307.60	2045.42	1864.59	1711.26	1577.24	1435.03	1339.05

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1156.29	1156.29	1083.13	999.56	905.40	779.34	675.23	569.78	440.26
45.0	1173.43	1071.61	1008.40	943.44	884.92	814.11	714.62	629.18	542.56
90.0	1057.03	981.77	934.90	885.09	803.81	726.38	643.51	557.31	447.40
135.0	1413.38	1293.99	1214.40	1145.93	1077.46	977.38	887.84	791.28	662.53
180.0	1363.63	1280.53	1206.21	1117.25	1035.32	914.77	811.18	707.01	578.26
225.0	1015.25	960.35	898.03	822.77	718.71	630.46	541.86	431.90	345.52
270.0	1038.25	980.90	917.69	856.83	782.50	700.57	592.31	504.52	419.66
315.0	1151.78	1081.14	1003.66	893.46	796.02	693.61	564.27	462.15	340.78
360.0	1156.29	1156.29	1083.13	999.56	905.40	779.34	675.23	569.78	440.26

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	343.41	256.39	163.51	106.16	73.56	57.82	48.81	42.72	38.16
45.0	453.02	343.00	301.45	301.45	113.71	56.53	35.17	29.67	25.63
90.0	360.67	279.09	183.70	117.69	68.59	41.02	28.97	25.93	22.94
135.0	557.78	427.27	330.13	307.30	307.30	99.78	71.10	56.59	49.57
180.0	475.26	378.11	310.23	310.23	125.76	88.54	68.88	58.23	50.80
225.0	264.93	173.81	112.42	65.25	36.17	29.79	26.34	23.64	21.19
270.0	334.22	313.74	216.65	84.80	48.22	31.49	26.39	23.58	21.77
315.0	254.28	179.43	119.80	77.66	51.97	45.12	39.50	35.23	30.78
360.0	343.41	256.39	163.51	106.16	73.56	57.82	48.81	42.72	38.16

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	34.18	30.37	27.80	25.11	23.35	21.83	20.19	19.20	18.26
45.0	23.41	21.77	20.19	19.25	18.14	17.44	16.80	16.27	15.74
90.0	21.42	20.19	19.02	18.20	17.50	16.85	16.39	15.74	15.39
135.0	42.08	37.57	33.42	30.43	27.33	25.22	23.00	21.48	20.31
180.0	45.00	38.74	35.05	32.01	28.73	26.57	24.17	22.47	21.07
225.0	19.90	18.96	17.97	17.32	16.68	16.15	15.63	15.22	14.81
270.0	20.25	19.02	18.20	17.56	16.97	16.33	15.86	15.45	14.98
315.0	28.15	25.52	23.70	22.18	20.54	19.43	18.43	17.44	16.74
360.0	34.18	30.37	27.80	25.11	23.35	21.83	20.19	19.20	18.26

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.32	16.62	16.04	15.51	14.98	14.57	14.28	13.99	13.69
45.0	15.33	14.98	14.63	14.34	14.10	13.87	13.64	13.40	13.28
90.0	15.04	14.69	14.40	14.16	13.93	13.69	13.46	13.34	13.17
135.0	18.90	18.02	17.26	16.56	15.86	15.39	14.92	14.46	14.16
180.0	19.90	18.55	17.73	16.97	16.33	15.57	15.10	14.69	14.28
225.0	14.46	14.22	13.93	13.69	13.52	13.34	13.11	12.99	12.87
270.0	14.69	14.40	14.10	13.93	13.69	13.46	13.28	13.17	12.99
315.0	16.15	15.63	15.04	14.69	14.34	14.05	13.69	13.46	13.23
360.0	17.32	16.62	16.04	15.51	14.98	14.57	14.28	13.99	13.69

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.40	13.23	12.99	12.87	12.64	12.52	12.41	12.29	12.23
45.0	13.11	12.93	12.82	12.70	12.52	12.47	12.35	12.29	12.17
90.0	12.99	12.87	12.70	12.58	12.52	12.41	12.29	12.23	12.17
135.0	13.87	13.58	13.28	13.11	12.93	12.76	12.64	12.47	12.35
180.0	13.87	13.58	13.28	13.05	12.87	12.64	12.52	12.41	12.29
225.0	12.70	12.64	12.52	12.41	12.29	12.23	12.11	12.06	12.00
270.0	12.87	12.70	12.64	12.47	12.41	12.29	12.23	12.11	12.06
315.0	12.99	12.87	12.70	12.52	12.41	12.29	12.17	12.11	12.00
360.0	13.40	13.23	12.99	12.87	12.64	12.52	12.41	12.29	12.23

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.11	12.06	11.94	11.82	11.76	11.76	11.70	11.65	11.53
45.0	12.11	12.06	11.94	11.88	11.82	11.76	11.70	11.65	11.59
90.0	12.06	12.06	11.94	11.88	11.82	11.76	11.70	11.65	11.59
135.0	12.23	12.11	12.00	11.94	11.88	11.82	11.70	11.65	11.59
180.0	12.17	12.06	11.94	11.88	11.82	11.76	11.65	11.59	11.53
225.0	11.94	11.88	11.82	11.76	11.70	11.65	11.59	11.59	11.47
270.0	12.00	11.94	11.88	11.76	11.76	11.65	11.59	11.59	11.53
315.0	11.94	11.82	11.76	11.65	11.59	11.53	11.53	11.47	11.47
360.0	12.11	12.06	11.94	11.82	11.76	11.76	11.70	11.65	11.53

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.53	11.47	11.47	11.41	11.41	11.35	11.29	11.24	11.24
45.0	11.59	11.53	11.53	11.47	11.47	11.41	11.35	11.35	11.29
90.0	11.59	11.53	11.47	11.47	11.41	11.41	11.35	11.35	11.29
135.0	11.53	11.53	11.47	11.47	11.41	11.35	11.35	11.35	11.29
180.0	11.53	11.47	11.41	11.41	11.35	11.29	11.29	11.29	11.24
225.0	11.47	11.47	11.41	11.35	11.41	11.35	11.29	11.24	11.24
270.0	11.47	11.47	11.41	11.35	11.35	11.35	11.29	11.24	11.24
315.0	11.41	11.41	11.35	11.35	11.29	11.24	11.24	11.18	11.18
360.0	11.53	11.47	11.47	11.41	11.41	11.35	11.29	11.24	11.24

Intensity data(cd)

C/γ(°)	90.0
0.0	11.24
45.0	11.24
90.0	11.24
135.0	11.24
180.0	11.18
225.0	11.24
270.0	11.24
315.0	11.18
360.0	11.24