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NT

Client:
LumCAT: 2-2682-L
Luminaire: 92.70.412.00
Report No: 2024227-B003
Ballast type: AC

Test No: 2024227-C003	Voltage(V): 35.970
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.701
Lamp flux(lm): 3316.0	Power (W): 25.214
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2847.12, Efficiency(%): 85.86% , Luminous Efficacy(lm/W): 112.92
Central intensity(cd): 10844.720, Maximum intensity(cd): 10844.720
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.2
[C90/270]Total=21.2
Field angle(10%Imax): [C0/180]Total=56.4
[C90/270]Total=56.4
Maximum s/h(1/2): C0_180=0.36 C90_270=0.36
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.86%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.916%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10844.717	0.000	0	0.00%	0.00%
1.0	10778.733	10.346	10.346	0.31%	0.36%
2.0	10542.960	30.603	40.949	0.92%	1.44%
3.0	10149.396	49.489	90.439	1.49%	3.18%
4.0	9671.341	66.346	156.785	2.00%	5.51%
5.0	9055.245	80.561	237.346	2.43%	8.34%
6.0	8372.726	91.589	328.934	2.76%	11.55%
7.0	7677.113	99.621	428.555	3.00%	15.05%
8.0	6963.578	104.781	533.336	3.16%	18.73%
9.0	6298.323	107.480	640.817	3.24%	22.51%
10.0	5723.047	108.789	749.606	3.28%	26.33%
11.0	5193.711	109.081	858.686	3.29%	30.16%
12.0	4672.934	107.857	966.543	3.25%	33.95%
13.0	4222.018	105.561	1072.104	3.18%	37.66%
14.0	3853.619	103.367	1175.471	3.12%	41.29%
15.0	3487.341	100.780	1276.251	3.04%	44.83%
16.0	3159.908	97.401	1373.652	2.94%	48.25%
17.0	2906.725	94.474	1468.126	2.85%	51.57%
18.0	2661.150	91.802	1559.928	2.77%	54.79%
19.0	2440.739	88.762	1648.69	2.68%	57.91%
20.0	2258.222	86.004	1734.694	2.59%	60.93%
21.0	2083.460	83.369	1818.063	2.51%	63.86%
22.0	1921.499	80.481	1898.545	2.43%	66.68%
23.0	1770.730	77.473	1976.018	2.34%	69.40%
24.0	1624.131	74.224	2050.242	2.24%	72.01%
25.0	1462.543	70.184	2120.426	2.12%	74.48%
26.0	1338.417	66.117	2186.543	1.99%	76.80%
27.0	1206.924	62.272	2248.815	1.88%	78.99%
28.0	1112.674	58.727	2307.542	1.77%	81.05%
29.0	986.587	54.923	2362.465	1.66%	82.98%
30.0	868.342	50.083	2412.548	1.51%	84.74%
31.0	741.890	44.810	2457.358	1.35%	86.31%
32.0	622.972	39.102	2496.46	1.18%	87.68%
33.0	529.921	33.965	2530.424	1.02%	88.88%
34.0	449.424	29.638	2560.062	0.89%	89.92%
35.0	374.244	25.580	2585.642	0.77%	90.82%
36.0	316.453	21.992	2607.634	0.66%	91.59%
37.0	281.471	19.501	2627.135	0.59%	92.27%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	244.046	17.541	2644.676	0.53%	92.89%
39.0	211.434	15.547	2660.223	0.47%	93.44%
40.0	167.433	13.214	2673.437	0.40%	93.90%
41.0	144.755	11.117	2684.554	0.34%	94.29%
42.0	123.980	9.764	2694.317	0.29%	94.63%
43.0	107.652	8.580	2702.898	0.26%	94.93%
44.0	93.914	7.608	2710.505	0.23%	95.20%
45.0	82.941	6.797	2717.302	0.20%	95.44%
46.0	73.694	6.126	2723.428	0.18%	95.66%
47.0	67.367	5.610	2729.038	0.17%	95.85%
48.0	61.595	5.213	2734.251	0.16%	96.04%
49.0	57.418	4.887	2739.139	0.15%	96.21%
50.0	54.733	4.676	2743.815	0.14%	96.37%
51.0	52.948	4.556	2748.37	0.14%	96.53%
52.0	51.595	4.486	2752.856	0.14%	96.69%
53.0	50.849	4.456	2757.313	0.13%	96.85%
54.0	50.300	4.458	2761.771	0.13%	97.00%
55.0	49.664	4.462	2766.233	0.13%	97.16%
56.0	49.078	4.462	2770.695	0.13%	97.32%
57.0	48.179	4.447	2775.142	0.13%	97.47%
58.0	46.533	4.380	2779.522	0.13%	97.63%
59.0	43.914	4.228	2783.75	0.13%	97.77%
60.0	41.273	4.025	2787.775	0.12%	97.92%
61.0	37.974	3.782	2791.556	0.11%	98.05%
62.0	34.353	3.485	2795.042	0.11%	98.17%
63.0	31.149	3.186	2798.227	0.10%	98.28%
64.0	28.281	2.916	2801.143	0.09%	98.39%
65.0	25.421	2.658	2803.801	0.08%	98.48%
66.0	23.504	2.441	2806.242	0.07%	98.56%
67.0	22.041	2.290	2808.532	0.07%	98.64%
68.0	20.885	2.175	2810.707	0.07%	98.72%
69.0	19.920	2.082	2812.788	0.06%	98.79%
70.0	19.239	2.011	2814.799	0.06%	98.86%
71.0	18.588	1.955	2816.755	0.06%	98.93%
72.0	18.018	1.903	2818.658	0.06%	99.00%
73.0	17.564	1.861	2820.519	0.06%	99.07%
74.0	17.154	1.825	2822.344	0.06%	99.13%
75.0	16.759	1.792	2824.136	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.430	1.762	2825.898	0.05%	99.25%
77.0	16.094	1.734	2827.632	0.05%	99.32%
78.0	15.713	1.703	2829.334	0.05%	99.38%
79.0	15.318	1.667	2831.002	0.05%	99.43%
80.0	14.960	1.632	2832.634	0.05%	99.49%
81.0	14.565	1.597	2834.231	0.05%	99.55%
82.0	14.192	1.559	2835.79	0.05%	99.60%
83.0	13.811	1.522	2837.312	0.05%	99.66%
84.0	13.475	1.486	2838.799	0.04%	99.71%
85.0	13.160	1.454	2840.252	0.04%	99.76%
86.0	12.875	1.423	2841.676	0.04%	99.81%
87.0	12.634	1.396	2843.072	0.04%	99.86%
88.0	12.363	1.369	2844.441	0.04%	99.91%
89.0	12.202	1.346	2845.787	0.04%	99.95%
90.0	12.100	1.332	2847.12	0.04%	100.00%

Zonal flux distribution table

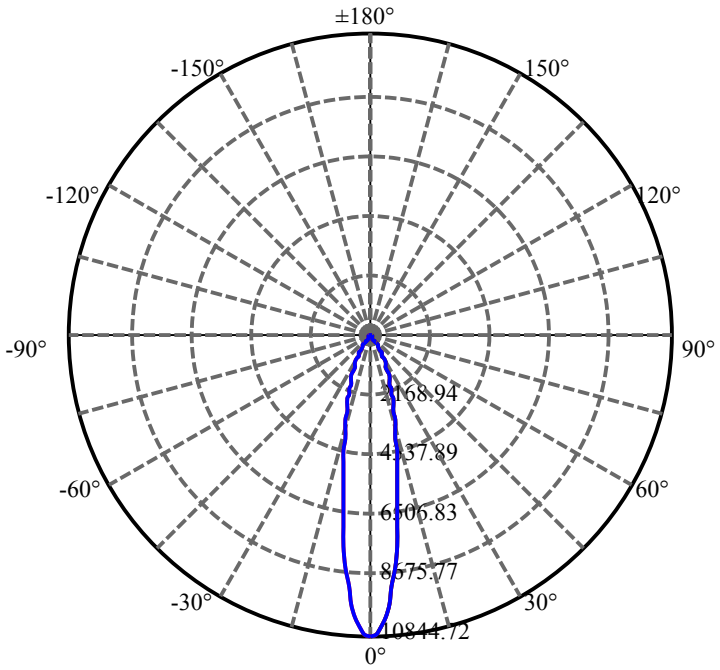
ZONAL LUMEN SUMMARY

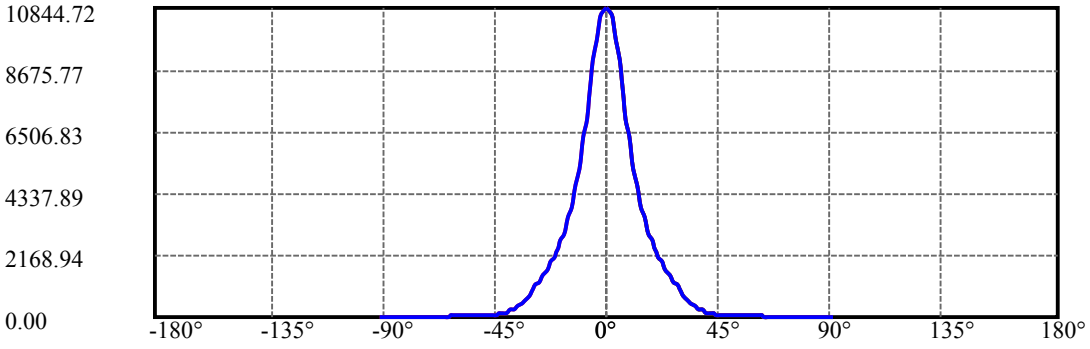
Zone	Lumens	%Lamp	%Fixt
0-30	2412.55	72.75%	84.74%
0-40	2673.44	80.62%	93.90%
0-60	2787.77	84.07%	97.92%
0-90	2845.79	85.82%	99.95%
0-120	2845.79	85.82%	99.95%
0-180	2847.12	85.86%	100.00%
60-90	58.01	1.75%	2.04%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.49	2277.70	68.69%	80.00%

ZONAL LUMEN SUMMARY

0-10	749.61
10-20	985.09
20-30	677.85
30-40	260.89
40-50	70.38
50-60	43.96
60-70	27.02
70-80	17.83
80-90	13.15
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):

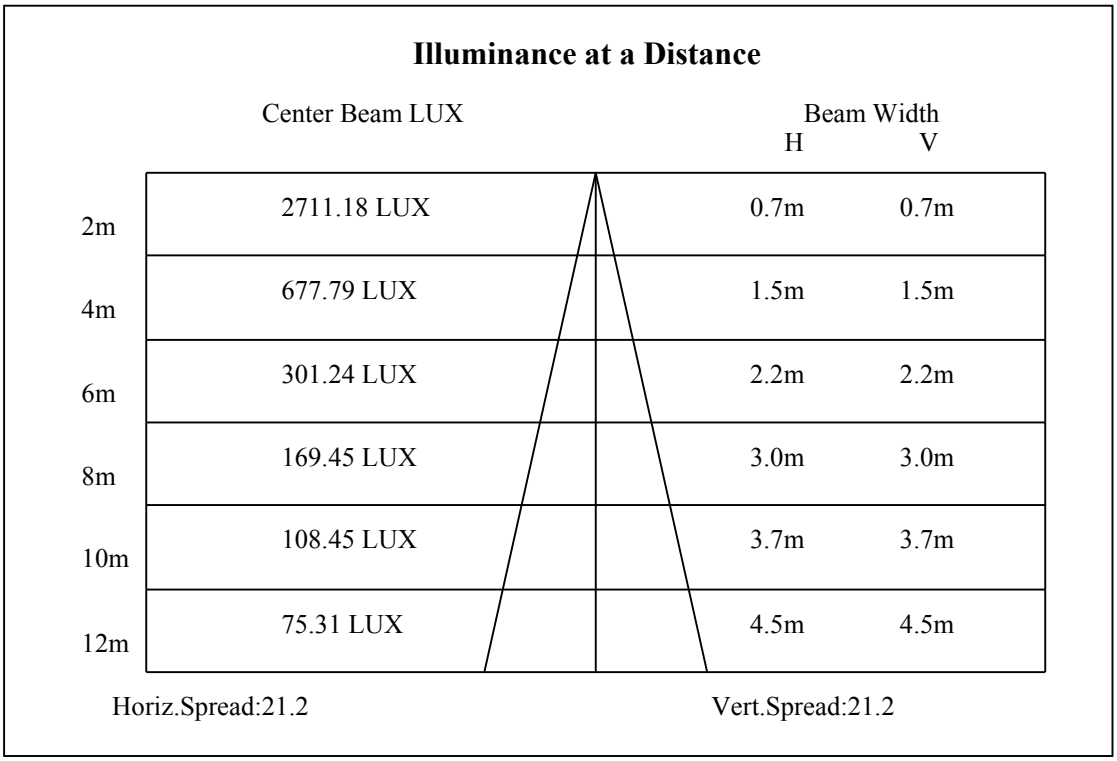
C0/C180:

C90/C270:

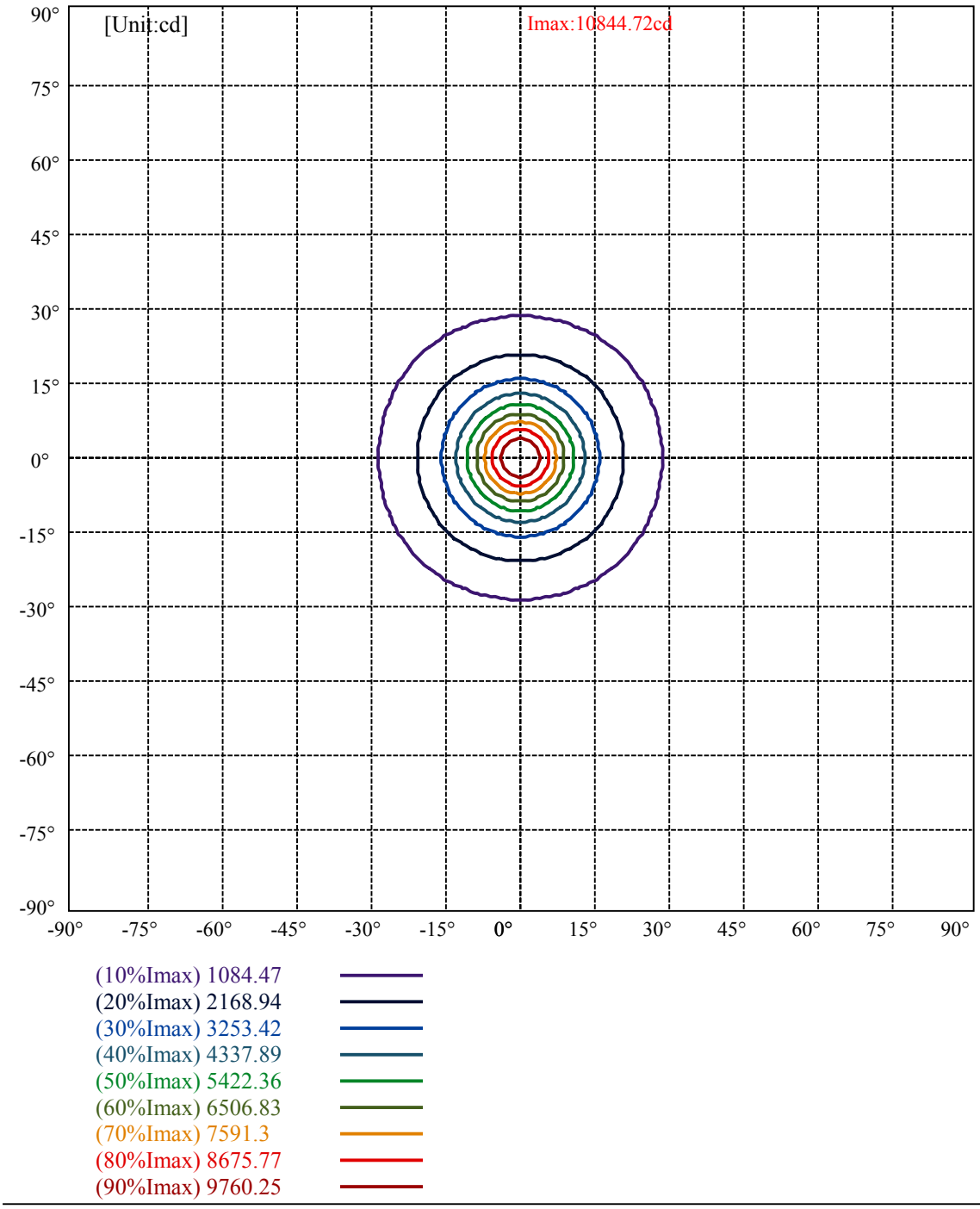
Field angle(10%Imax):C0/180Left:28.2 Right:28.2
:C90/270Left:28.2 Right:28.2

Beam Angle(50%Imax):C0/180Left:10.6 Right:10.6
:C90/270Left:10.6 Right:10.6

Lux distance Curve

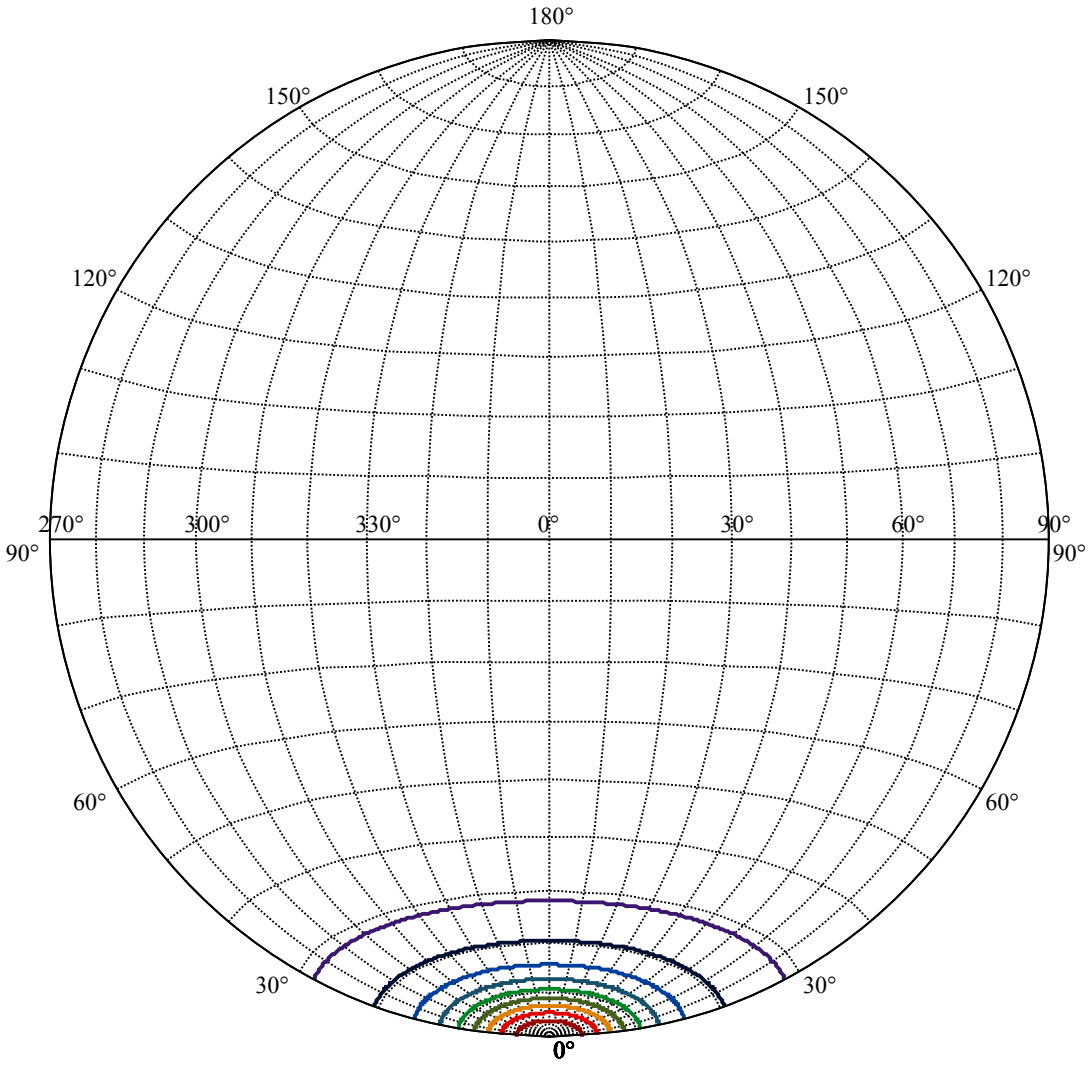


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/2/27
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

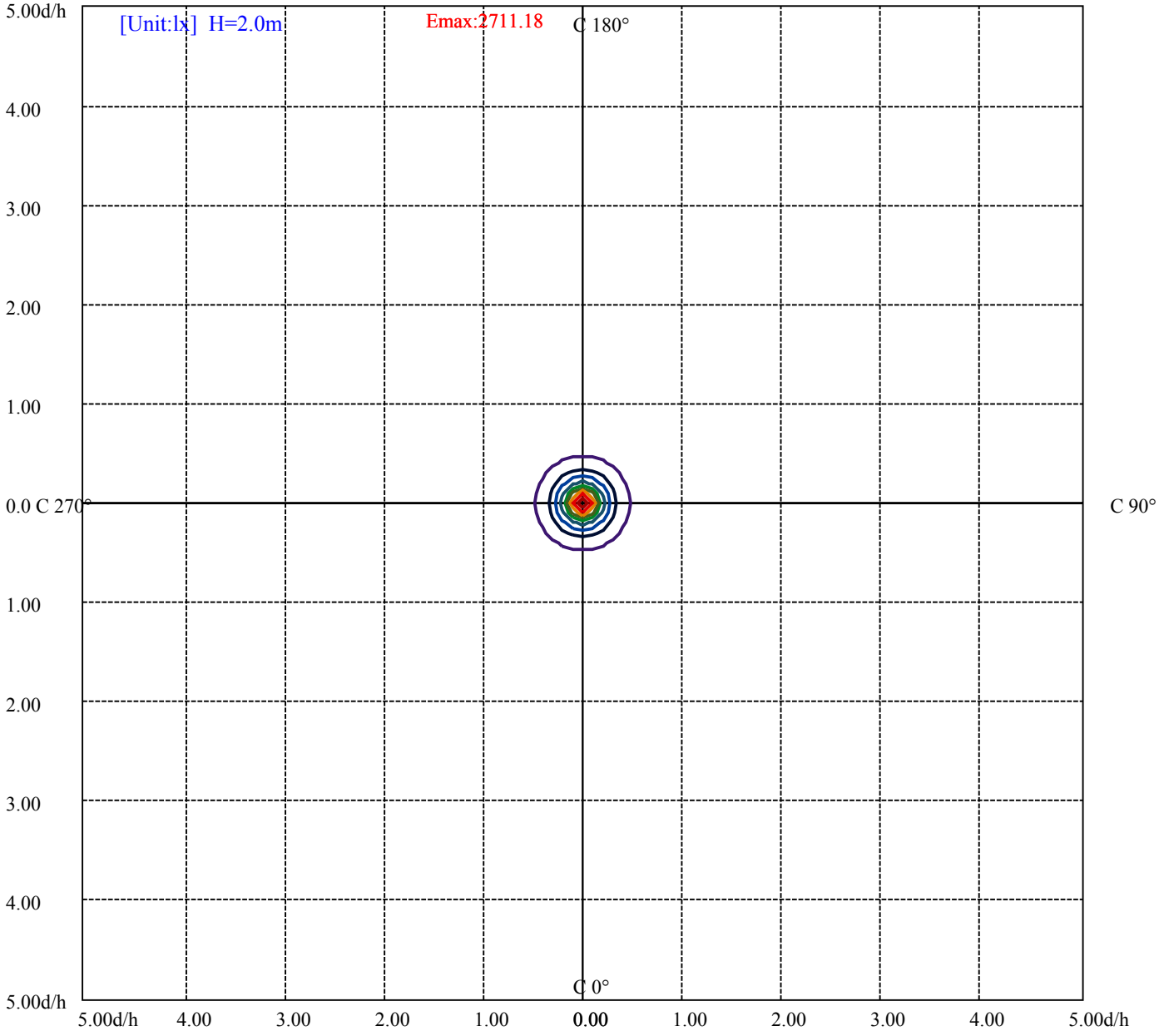
ISO candela diagram on circular web



Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

NT 2-2682-L

ISO illuminance diagram



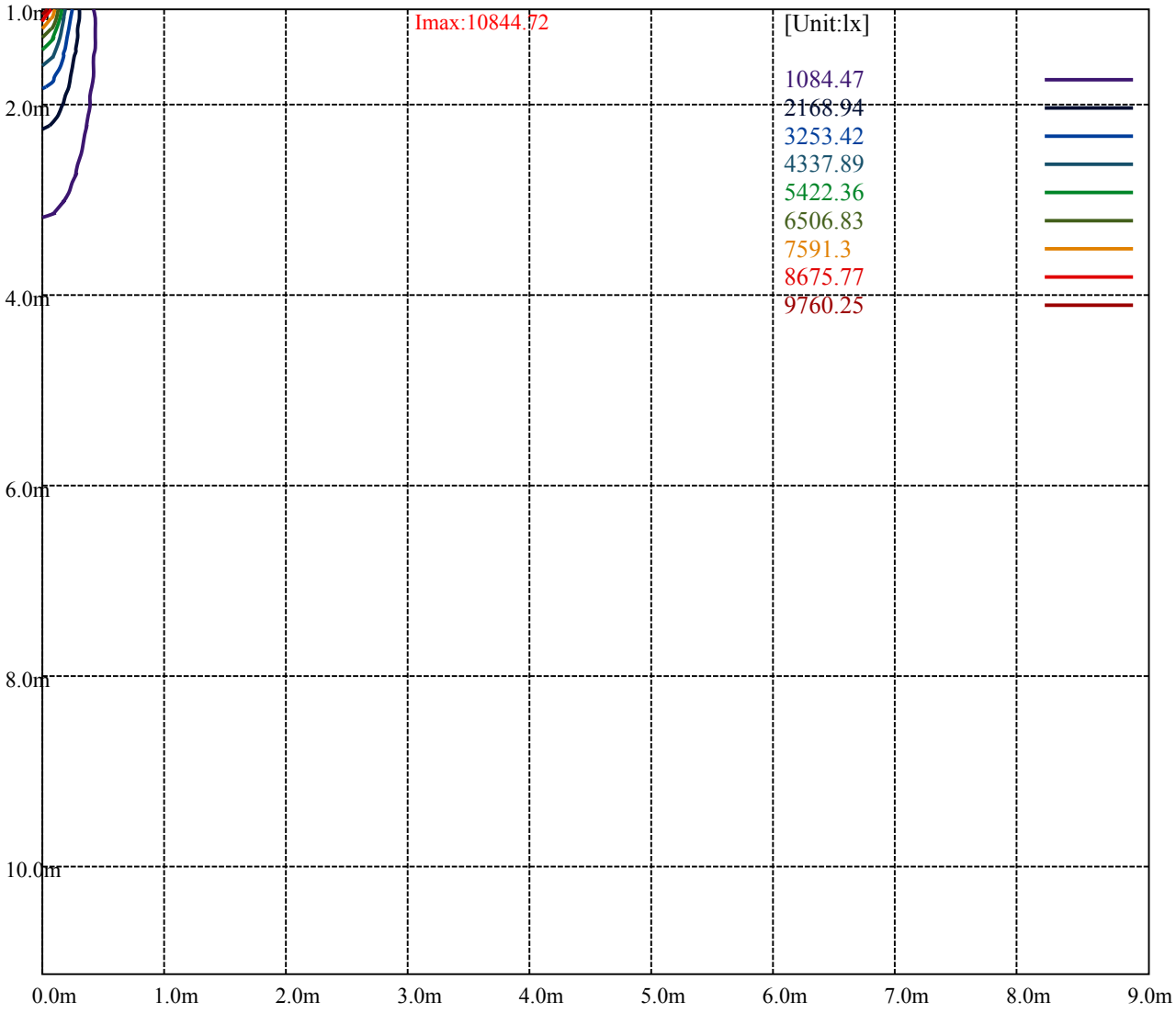
(10%Emax) 271.1175
(20%Emax) 542.235
(30%Emax) 813.3525
(40%Emax) 1084.47
(50%Emax) 1355.588
(60%Emax) 1626.705
(70%Emax) 1897.825
(80%Emax) 2168.942
(90%Emax) 2440.06

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

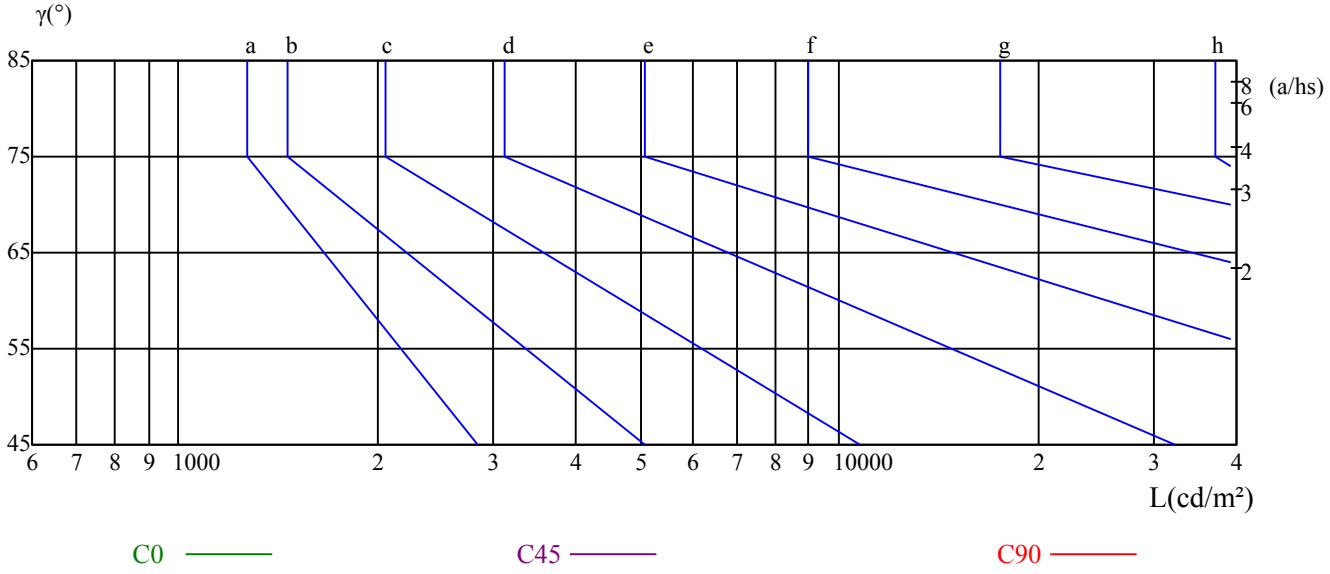
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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	0	0	0

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: GMS1980
Temperature(°C): 25.0

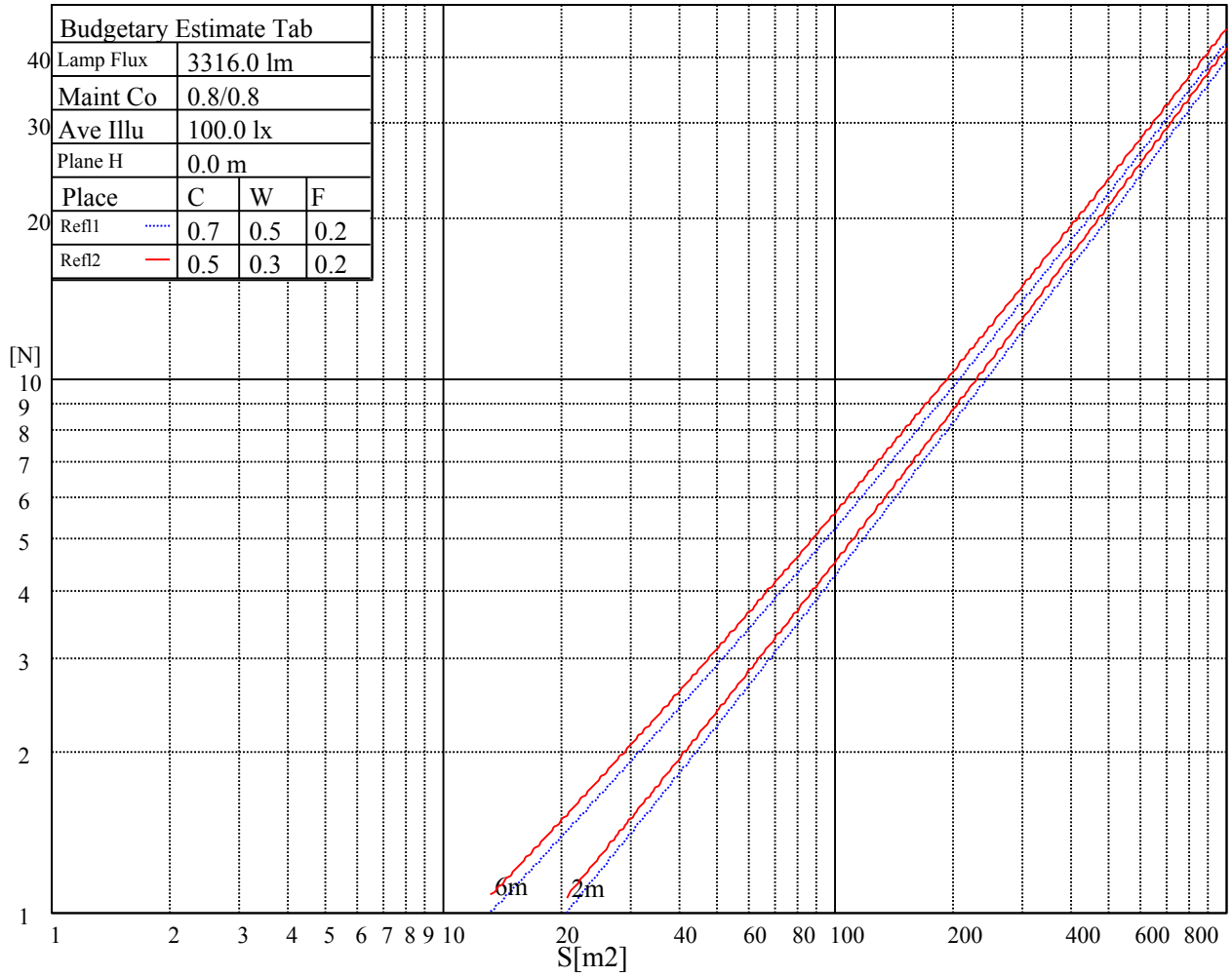
Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

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

Budgetary Estimate Table

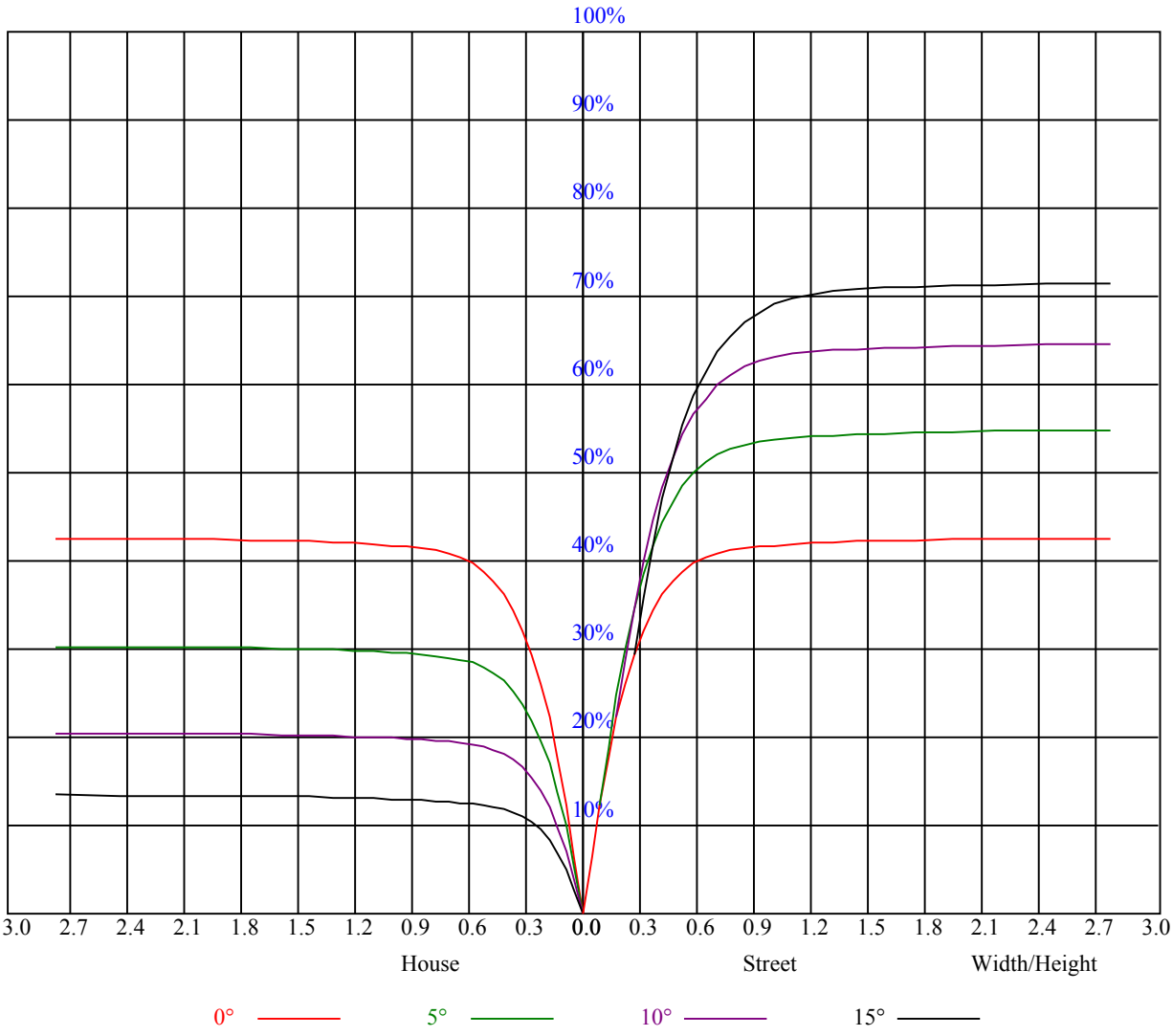


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

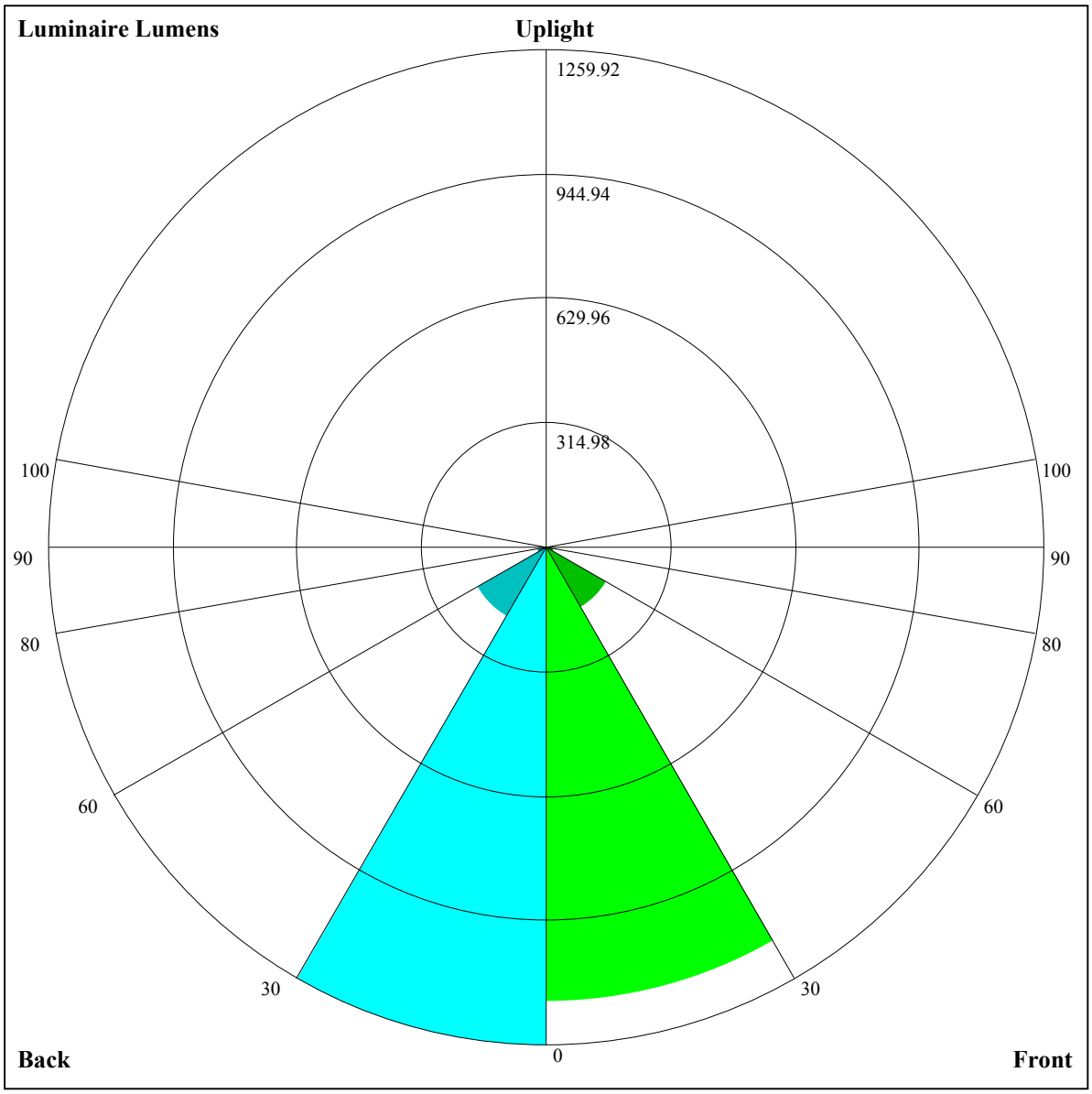
Utilization factor table for indoor luminaire

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1151.91,FM=176.45,FH=21.93,FVH=7.18
BL=1259.92,BM=201.73,BH=23,BVH=7.32
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	10703.82	10372.00	9921.38	9209.16	8526.20	7651.29	6977.11	6352.09	5783.25
45.0	10914.50	10772.30	10474.42	9922.55	9333.81	8643.25	7933.95	7078.35	6462.70
90.0	10792.78	10508.94	9984.00	9426.28	8747.42	8058.61	7207.69	6562.77	5983.98
135.0	10967.76	10895.78	10684.51	10234.47	9740.54	9121.96	8252.90	7563.51	6733.66
180.0	10703.82	10910.99	10950.79	10840.18	10568.64	10188.83	9714.21	9131.91	8262.85
225.0	10914.50	10947.86	10750.64	10535.28	10147.27	9550.35	8970.39	8104.25	7397.89
270.0	10792.78	10932.06	10936.16	10711.43	10455.10	9921.38	9412.23	8828.76	7984.28
315.0	10967.76	10889.93	10641.79	10315.82	9851.74	9306.31	8513.33	7795.26	7100.01
360.0	10703.82	10372.00	9921.38	9209.16	8526.20	7651.29	6977.11	6352.09	5783.25

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5138.92	4681.27	4262.84	3884.20	3470.44	3174.90	2916.23	2635.91	2446.30
45.0	5898.54	5260.06	4783.69	4352.96	3882.44	3553.54	3252.15	2917.41	2694.43
90.0	5344.92	4871.47	4430.21	3942.13	3605.63	3302.48	2963.05	2732.47	2529.40
135.0	6133.22	5597.15	5106.73	4537.31	4138.77	3783.54	3390.27	3104.09	2855.37
180.0	7555.31	6874.70	6249.68	5684.35	5053.48	4592.90	4179.74	3730.28	3417.19
225.0	6729.56	6123.85	5445.58	4961.01	4509.22	4113.02	3689.32	3386.17	3103.51
270.0	7297.81	6649.97	6058.89	5387.64	4900.15	4462.40	4070.30	3629.04	3320.63
315.0	6288.30	5725.90	5212.07	4633.87	4216.02	3846.16	3437.67	3143.89	2886.97
360.0	5138.92	4681.27	4262.84	3884.20	3470.44	3174.90	2916.23	2635.91	2446.30

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2275.41	2074.10	1926.03	1787.92	1628.15	1504.67	1298.09	1145.52	1115.85
45.0	2497.80	2281.27	2116.23	1966.41	1830.06	1700.72	1543.30	1420.98	1301.60
90.0	2309.36	2145.49	1995.68	1854.64	1691.36	1564.36	1443.22	1145.23	1145.23
135.0	2642.35	2408.26	2242.06	2082.87	1939.49	1769.19	1639.27	1511.69	1356.61
180.0	3068.39	2822.60	2611.33	2366.71	2201.09	2051.27	1893.85	1735.25	1608.84
225.0	2791.00	2577.39	2387.78	2170.07	2010.89	1832.98	1705.40	1585.43	1470.73
270.0	3044.40	2800.36	2541.69	2357.93	2139.06	1982.22	1837.67	1673.80	1550.90
315.0	2660.49	2416.45	2244.98	2081.12	1931.89	1760.42	1632.25	1482.43	1157.58
360.0	2275.41	2074.10	1926.03	1787.92	1628.15	1504.67	1298.09	1145.52	1115.85

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	999.51	884.68	771.56	634.44	532.38	426.69	364.42	312.80	270.67
45.0	1148.86	1031.22	887.26	774.90	664.87	539.05	456.53	393.91	342.42
90.0	1056.21	944.49	804.10	692.67	563.92	475.55	408.31	353.89	298.52
135.0	1237.81	1120.18	976.80	863.27	747.39	609.28	512.72	434.30	374.02
180.0	1481.85	1368.31	1219.67	1098.53	952.22	831.66	718.71	608.11	485.80
225.0	1144.99	1144.99	1087.17	970.71	823.82	708.59	600.38	503.00	404.62
270.0	1428.59	1307.45	1161.14	1042.93	924.13	777.24	663.12	557.78	465.31
315.0	1157.58	1100.05	984.99	869.29	726.38	615.72	515.17	431.60	352.60
360.0	999.51	884.68	771.56	634.44	532.38	426.69	364.42	312.80	270.67

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	225.49	195.70	169.66	142.21	123.89	108.50	92.58	82.34	74.09
45.0	299.11	299.11	215.30	187.51	164.10	138.82	121.79	106.16	90.53
90.0	260.48	227.36	198.51	167.37	145.66	127.05	110.43	93.75	83.51
135.0	312.57	301.45	301.45	200.62	168.66	147.13	128.87	108.21	94.22
180.0	410.89	352.95	304.96	304.96	216.47	188.09	156.84	136.59	119.85
225.0	343.53	292.14	238.60	202.96	165.85	141.74	123.07	108.15	92.82
270.0	376.36	320.76	297.35	297.35	192.30	165.85	138.52	119.97	105.16
315.0	303.21	262.30	226.54	188.50	162.52	140.86	119.74	106.04	91.12
360.0	225.49	195.70	169.66	142.21	123.89	108.50	92.58	82.34	74.09

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	67.07	61.33	57.47	55.01	53.14	52.03	51.15	50.04	49.80
45.0	80.70	71.05	65.66	61.51	57.00	54.72	54.07	53.08	51.56
90.0	72.98	66.60	62.44	58.05	55.25	54.19	52.96	51.32	51.09
135.0	83.28	72.92	66.36	60.34	57.12	53.67	52.14	51.50	50.39
180.0	105.16	89.31	79.65	70.05	63.67	59.22	56.06	53.72	52.32
225.0	82.58	74.56	67.83	61.33	57.24	54.25	51.79	49.92	50.33
270.0	90.71	81.23	73.15	65.90	58.99	55.36	53.02	51.50	50.10
315.0	81.05	72.57	66.36	60.57	56.94	54.43	52.38	51.68	51.21
360.0	67.07	61.33	57.47	55.01	53.14	52.03	51.15	50.04	49.80

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	49.57	48.28	46.88	45.35	42.25	38.10	35.64	32.25	28.73
45.0	51.56	51.27	50.15	48.46	46.88	43.60	39.44	36.52	33.01
90.0	50.86	49.98	48.22	46.58	43.54	39.27	36.40	33.24	28.91
135.0	49.57	49.63	49.16	48.05	46.88	43.89	40.44	37.10	33.59
180.0	51.79	50.33	50.21	50.39	50.04	48.40	47.23	44.89	40.79
225.0	49.39	49.10	49.22	48.75	47.46	46.41	43.77	39.68	36.58
270.0	49.51	48.75	49.10	49.16	48.16	46.76	45.41	42.66	38.33
315.0	50.15	49.98	49.69	48.69	47.05	44.89	41.84	37.45	34.88
360.0	49.57	48.28	46.88	45.35	42.25	38.10	35.64	32.25	28.73

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.69	23.88	22.36	21.07	20.25	19.55	18.73	18.26	17.73
45.0	28.73	26.45	24.11	22.71	21.59	20.72	19.78	19.08	18.49
90.0	26.51	24.11	22.65	21.54	20.60	19.61	18.96	18.38	17.85
135.0	29.85	26.80	24.29	22.71	21.54	20.60	19.66	19.02	18.38
180.0	37.63	34.76	30.02	27.04	24.46	22.77	21.59	20.66	19.78
225.0	33.77	29.96	26.22	24.23	22.47	21.01	20.13	19.43	18.67
270.0	35.58	32.42	28.73	25.57	23.64	22.06	20.72	19.90	19.20
315.0	31.43	27.86	24.99	23.17	21.77	20.78	19.78	19.20	18.61
360.0	25.69	23.88	22.36	21.07	20.25	19.55	18.73	18.26	17.73

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.32	16.97	16.68	16.27	15.98	15.63	15.22	14.75	14.34
45.0	17.97	17.56	17.03	16.68	16.33	15.98	15.51	15.04	14.69
90.0	17.38	16.97	16.68	16.39	15.98	15.57	15.16	14.75	14.34
135.0	17.85	17.32	17.03	16.56	16.33	16.04	15.57	15.22	14.86
180.0	19.08	18.49	17.97	17.50	17.09	16.80	16.50	16.09	15.74
225.0	18.08	17.67	17.21	16.85	16.56	16.21	15.92	15.57	15.27
270.0	18.49	17.97	17.50	17.15	16.80	16.44	16.15	15.80	15.45
315.0	17.97	17.56	17.15	16.68	16.39	16.09	15.68	15.33	14.98
360.0	17.32	16.97	16.68	16.27	15.98	15.63	15.22	14.75	14.34

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.05	13.64	13.28	13.05	12.76	12.52	12.29	12.06	12.11
45.0	14.28	13.87	13.52	13.17	12.93	12.64	12.47	12.17	12.06
90.0	13.93	13.64	13.28	12.93	12.70	12.47	12.23	12.00	12.00
135.0	14.46	14.10	13.75	13.40	13.11	12.82	12.52	12.29	12.00
180.0	15.33	14.98	14.46	14.16	13.75	13.40	13.11	12.82	12.52
225.0	14.81	14.46	14.10	13.69	13.34	13.05	12.82	12.58	12.35
270.0	15.10	14.69	14.22	13.87	13.46	13.17	12.93	12.64	12.41
315.0	14.57	14.16	13.87	13.52	13.23	12.93	12.70	12.35	12.17
360.0	14.05	13.64	13.28	13.05	12.76	12.52	12.29	12.06	12.11

Intensity data(cd)

C/γ(°)	90.0
0.0	12.06
45.0	12.06
90.0	12.06
135.0	12.00
180.0	12.35
225.0	12.11
270.0	12.11
315.0	12.06
360.0	12.06