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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.412.00
Report No: 2024226-B011
Ballast type: AC

Test No: 2024226-C011	Voltage(V): 36.000
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.701
Lamp flux(lm): 3301.0	Power (W): 25.236
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2793.21, Efficiency(%): 84.62% , Luminous Efficacy(lm/W): 110.68
Central intensity(cd): 10637.400, Maximum intensity(cd): 10637.400
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.4
[C90/270]Total=22.4
Field angle(10%Imax): [C0/180]Total=56.4
[C90/270]Total=56.4
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.62%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.781%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10637.401	0.000	0	0.00%	0.00%
1.0	10580.049	10.152	10.152	0.31%	0.36%
2.0	10432.353	30.159	40.311	0.91%	1.44%
3.0	10184.656	49.309	89.62	1.49%	3.21%
4.0	9813.623	66.941	156.561	2.03%	5.61%
5.0	9354.514	82.460	239.021	2.50%	8.56%
6.0	8766.583	95.231	334.252	2.88%	11.97%
7.0	8159.924	105.063	439.315	3.18%	15.73%
8.0	7445.364	111.684	550.999	3.38%	19.73%
9.0	6746.971	115.021	666.02	3.48%	23.84%
10.0	6067.891	115.970	781.99	3.51%	28.00%
11.0	5416.609	114.754	896.744	3.48%	32.10%
12.0	4800.952	111.693	1008.436	3.38%	36.10%
13.0	4276.883	107.731	1116.167	3.26%	39.96%
14.0	3800.437	103.389	1219.556	3.13%	43.66%
15.0	3442.133	99.429	1318.986	3.01%	47.22%
16.0	3101.239	95.879	1414.864	2.90%	50.65%
17.0	2799.336	91.888	1506.752	2.78%	53.94%
18.0	2557.711	88.326	1595.078	2.68%	57.11%
19.0	2335.984	85.140	1680.218	2.58%	60.15%
20.0	2128.376	81.710	1761.929	2.48%	63.08%
21.0	1952.662	78.364	1840.293	2.37%	65.88%
22.0	1797.577	75.363	1915.655	2.28%	68.58%
23.0	1659.245	72.533	1988.189	2.20%	71.18%
24.0	1518.183	69.470	2057.659	2.10%	73.67%
25.0	1407.934	66.534	2124.192	2.02%	76.05%
26.0	1297.400	63.860	2188.052	1.93%	78.33%
27.0	1188.102	60.808	2248.86	1.84%	80.51%
28.0	1090.479	57.689	2306.549	1.75%	82.58%
29.0	980.142	54.173	2360.723	1.64%	84.52%
30.0	864.355	49.801	2410.524	1.51%	86.30%
31.0	752.775	45.002	2455.526	1.36%	87.91%
32.0	644.677	40.035	2495.561	1.21%	89.34%
33.0	541.553	34.947	2530.508	1.06%	90.59%
34.0	442.986	29.795	2560.303	0.90%	91.66%
35.0	354.661	24.772	2585.075	0.75%	92.55%
36.0	291.779	20.583	2605.658	0.62%	93.29%
37.0	222.217	16.764	2622.422	0.51%	93.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	167.747	13.016	2635.438	0.39%	94.35%
39.0	122.466	9.906	2645.344	0.30%	94.71%
40.0	87.257	7.314	2652.658	0.22%	94.97%
41.0	71.814	5.664	2658.323	0.17%	95.17%
42.0	65.355	4.984	2663.306	0.15%	95.35%
43.0	60.768	4.672	2667.978	0.14%	95.52%
44.0	57.103	4.449	2672.427	0.13%	95.68%
45.0	53.980	4.269	2676.696	0.13%	95.83%
46.0	51.346	4.119	2680.815	0.12%	95.98%
47.0	48.640	3.977	2684.792	0.12%	96.12%
48.0	46.547	3.848	2688.64	0.12%	96.26%
49.0	44.645	3.745	2692.385	0.11%	96.39%
50.0	43.065	3.657	2696.042	0.11%	96.52%
51.0	41.756	3.589	2699.63	0.11%	96.65%
52.0	40.702	3.538	2703.169	0.11%	96.78%
53.0	39.956	3.509	2706.677	0.11%	96.90%
54.0	39.386	3.497	2710.174	0.11%	97.03%
55.0	38.969	3.498	2713.672	0.11%	97.15%
56.0	38.603	3.505	2717.177	0.11%	97.28%
57.0	38.274	3.515	2720.692	0.11%	97.40%
58.0	37.915	3.523	2724.215	0.11%	97.53%
59.0	37.345	3.518	2727.734	0.11%	97.66%
60.0	36.416	3.485	2731.219	0.11%	97.78%
61.0	35.172	3.416	2734.635	0.10%	97.90%
62.0	33.636	3.316	2737.95	0.10%	98.02%
63.0	31.814	3.183	2741.134	0.10%	98.14%
64.0	29.656	3.016	2744.15	0.09%	98.24%
65.0	27.652	2.836	2746.986	0.09%	98.35%
66.0	25.596	2.657	2749.643	0.08%	98.44%
67.0	23.965	2.492	2752.135	0.08%	98.53%
68.0	22.670	2.362	2754.497	0.07%	98.61%
69.0	21.785	2.268	2756.765	0.07%	98.70%
70.0	21.207	2.208	2758.973	0.07%	98.77%
71.0	20.805	2.171	2761.145	0.07%	98.85%
72.0	20.183	2.131	2763.276	0.06%	98.93%
73.0	19.481	2.074	2765.35	0.06%	99.00%
74.0	19.027	2.024	2767.374	0.06%	99.08%
75.0	18.486	1.982	2769.356	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.864	1.930	2771.286	0.06%	99.22%
77.0	17.388	1.880	2773.166	0.06%	99.28%
78.0	16.840	1.832	2774.998	0.06%	99.35%
79.0	16.299	1.781	2776.778	0.05%	99.41%
80.0	15.743	1.727	2778.506	0.05%	99.47%
81.0	15.223	1.675	2780.18	0.05%	99.53%
82.0	14.704	1.623	2781.803	0.05%	99.59%
83.0	14.177	1.570	2783.373	0.05%	99.65%
84.0	13.724	1.520	2784.893	0.05%	99.70%
85.0	13.270	1.473	2786.366	0.04%	99.75%
86.0	12.875	1.429	2787.796	0.04%	99.81%
87.0	12.524	1.390	2789.186	0.04%	99.86%
88.0	12.290	1.359	2790.545	0.04%	99.90%
89.0	12.143	1.339	2791.884	0.04%	99.95%
90.0	12.056	1.327	2793.211	0.04%	100.00%

Zonal flux distribution table

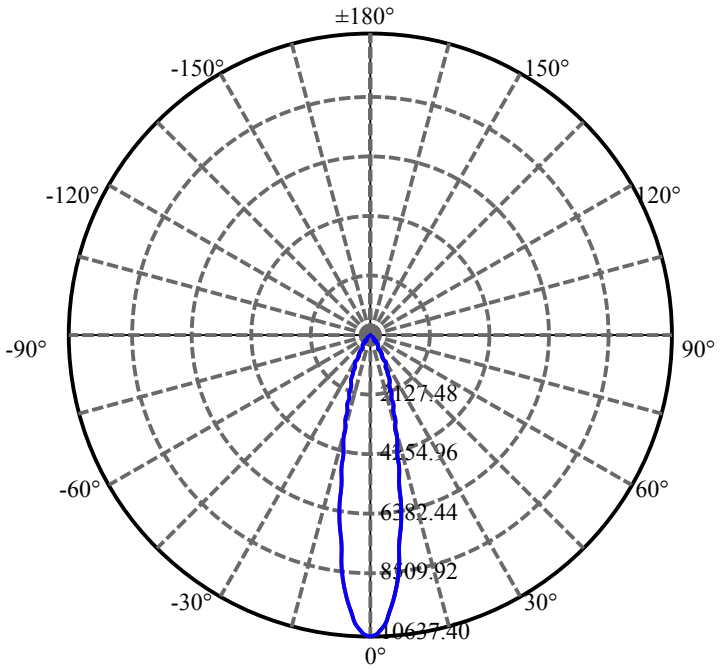
ZONAL LUMEN SUMMARY

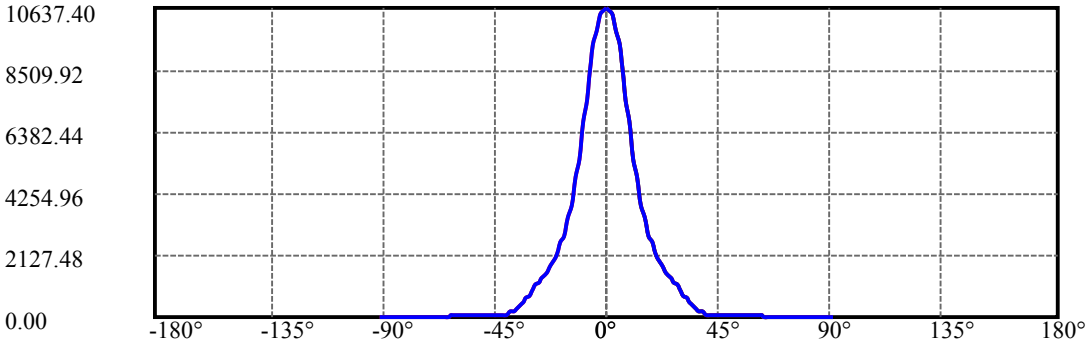
Zone	Lumens	%Lamp	%Fixt
0-30	2410.52	73.02%	86.30%
0-40	2652.66	80.36%	94.97%
0-60	2731.22	82.74%	97.78%
0-90	2791.88	84.58%	99.95%
0-120	2791.88	84.58%	99.95%
0-180	2793.21	84.62%	100.00%
60-90	60.67	1.84%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.76	2234.57	67.69%	80.00%

ZONAL LUMEN SUMMARY

0-10	781.99
10-20	979.94
20-30	648.60
30-40	242.13
40-50	43.38
50-60	35.18
60-70	27.75
70-80	19.53
80-90	13.38
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):

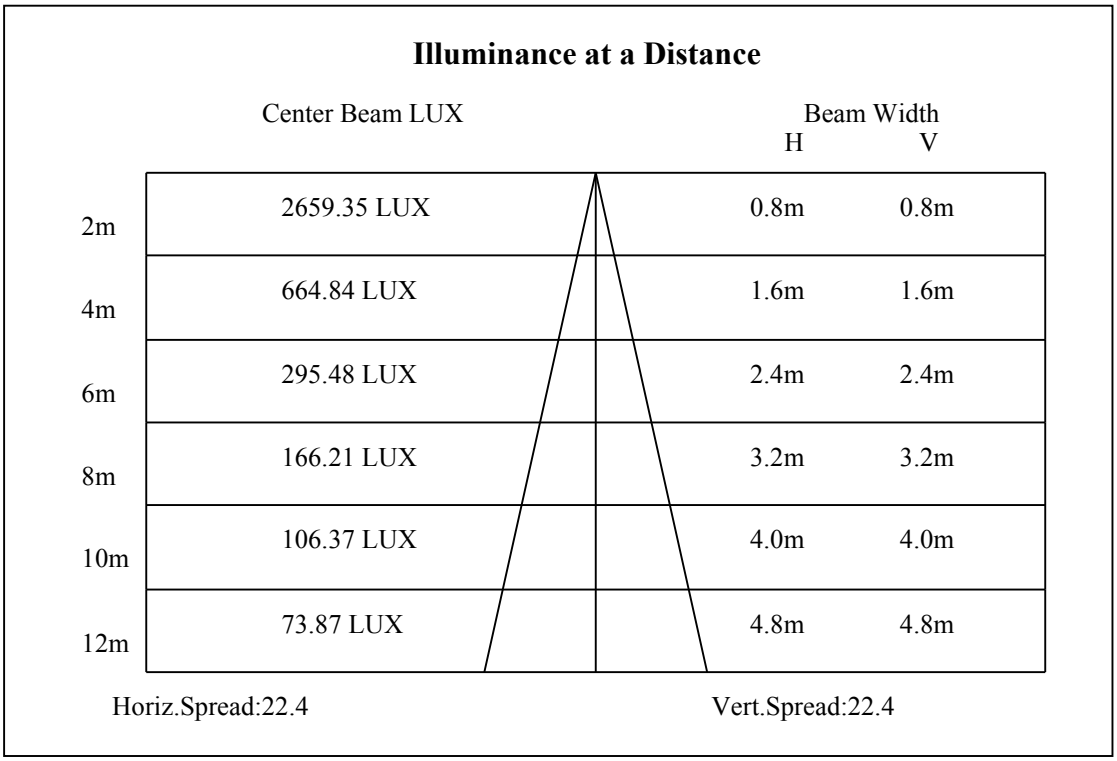
C0/C180:

C90/C270:

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

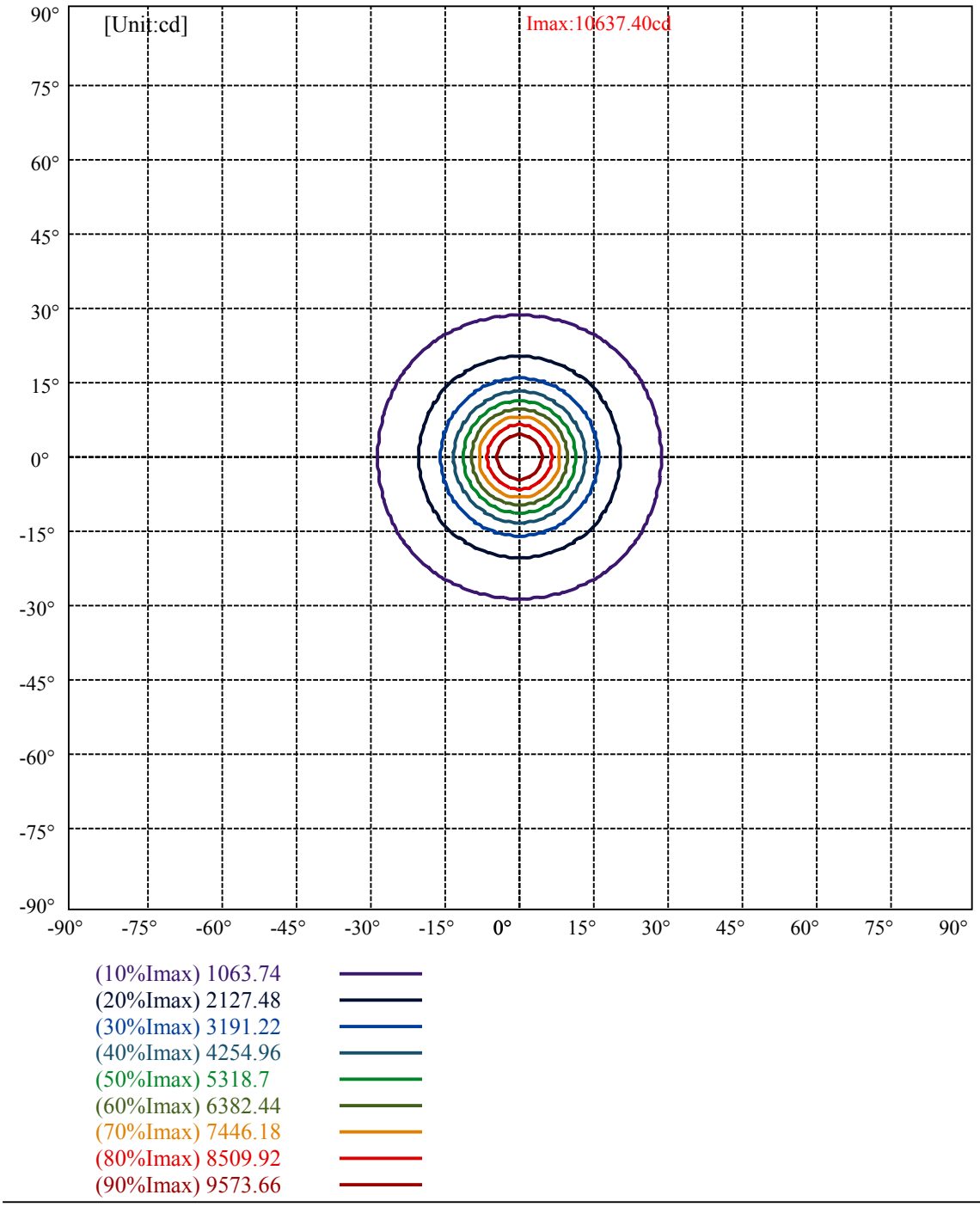
Beam Angle(50%Imax):C0/180Left:11.2 Right:11.2
:C90/270Left:11.2 Right:11.2

Lux distance Curve



Equipment: GMS1980 Date: 2024/2/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

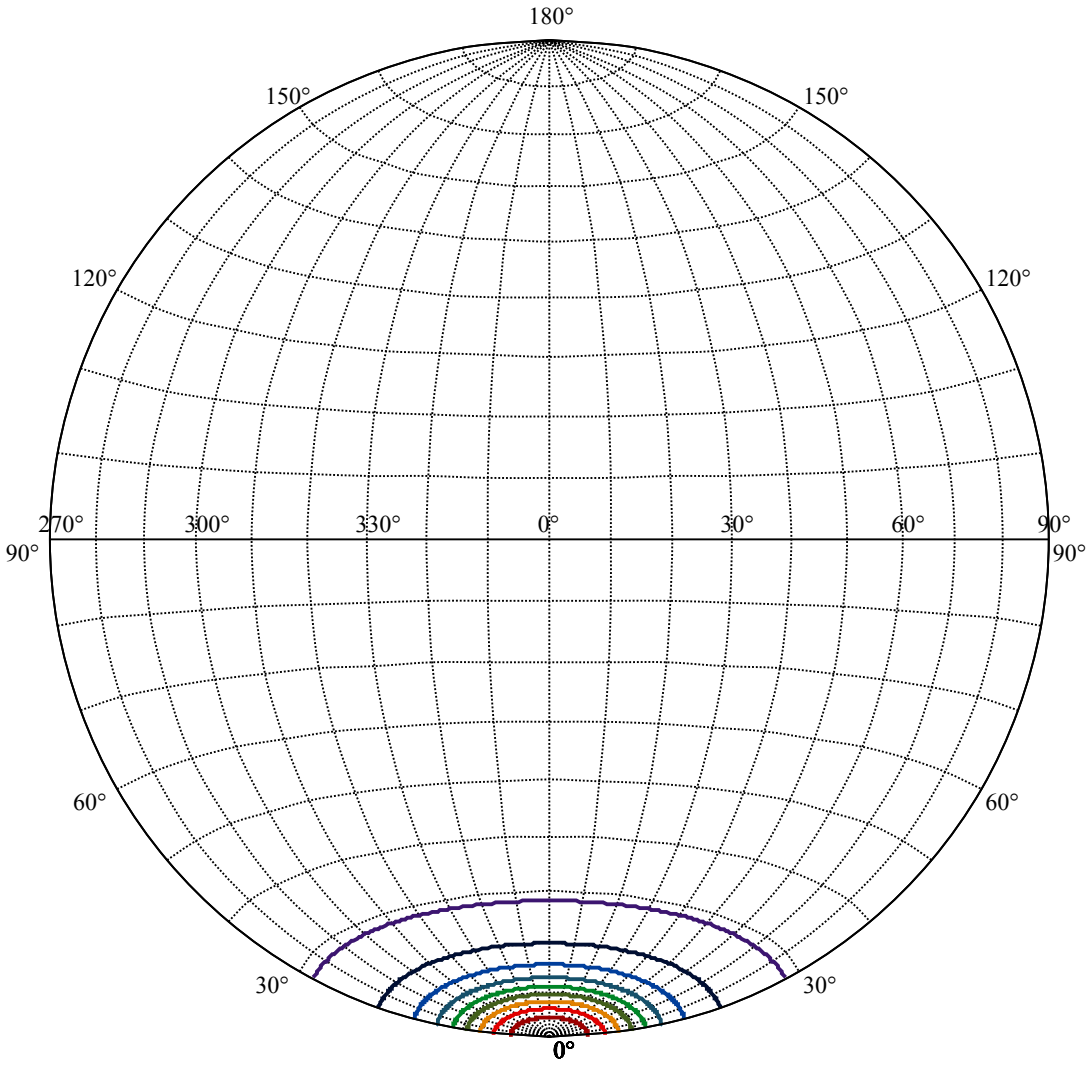


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



[Unit:cd]

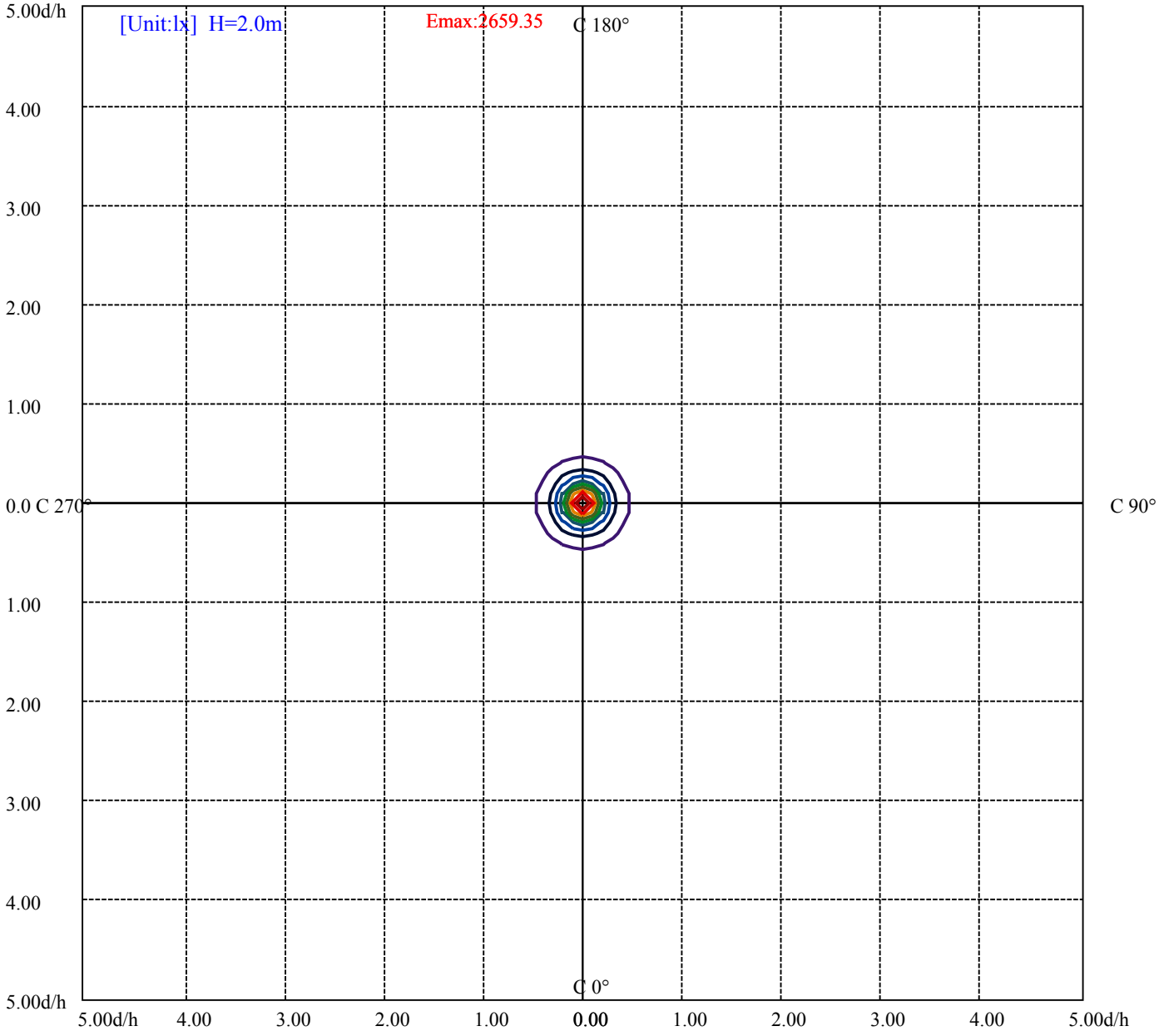
Imax:10637.40

(10%Imax) 1063.74
(20%Imax) 2127.48
(30%Imax) 3191.22
(40%Imax) 4254.96
(50%Imax) 5318.7
(60%Imax) 6382.44
(70%Imax) 7446.18
(80%Imax) 8509.92
(90%Imax) 9573.66

Equipment: GMS1980	Date: 2024/2/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

NT 2-2678-L

ISO illuminance diagram

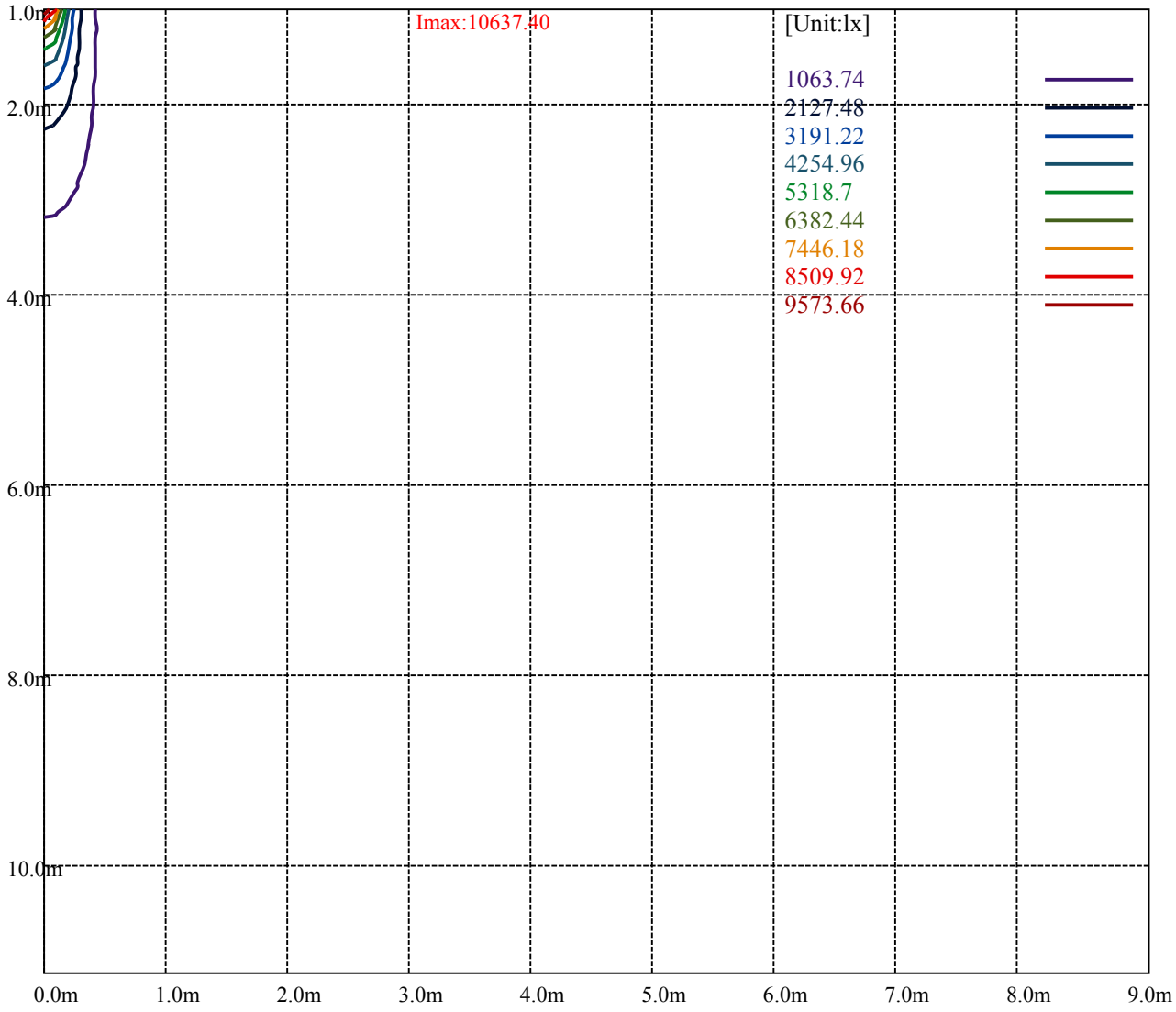


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

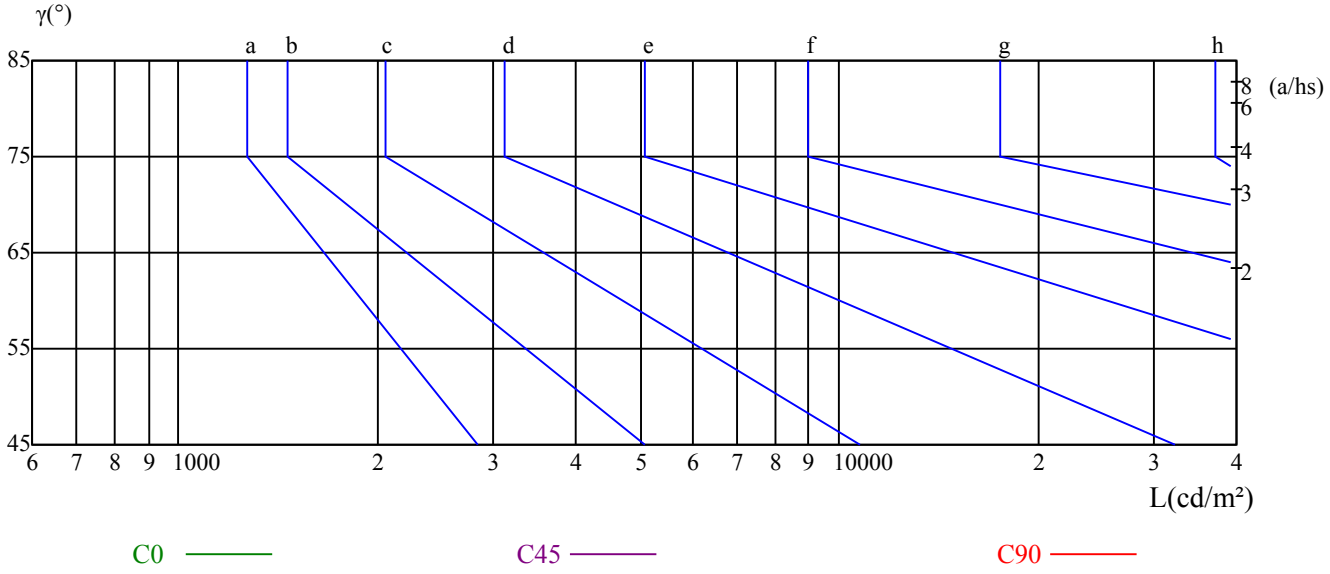
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

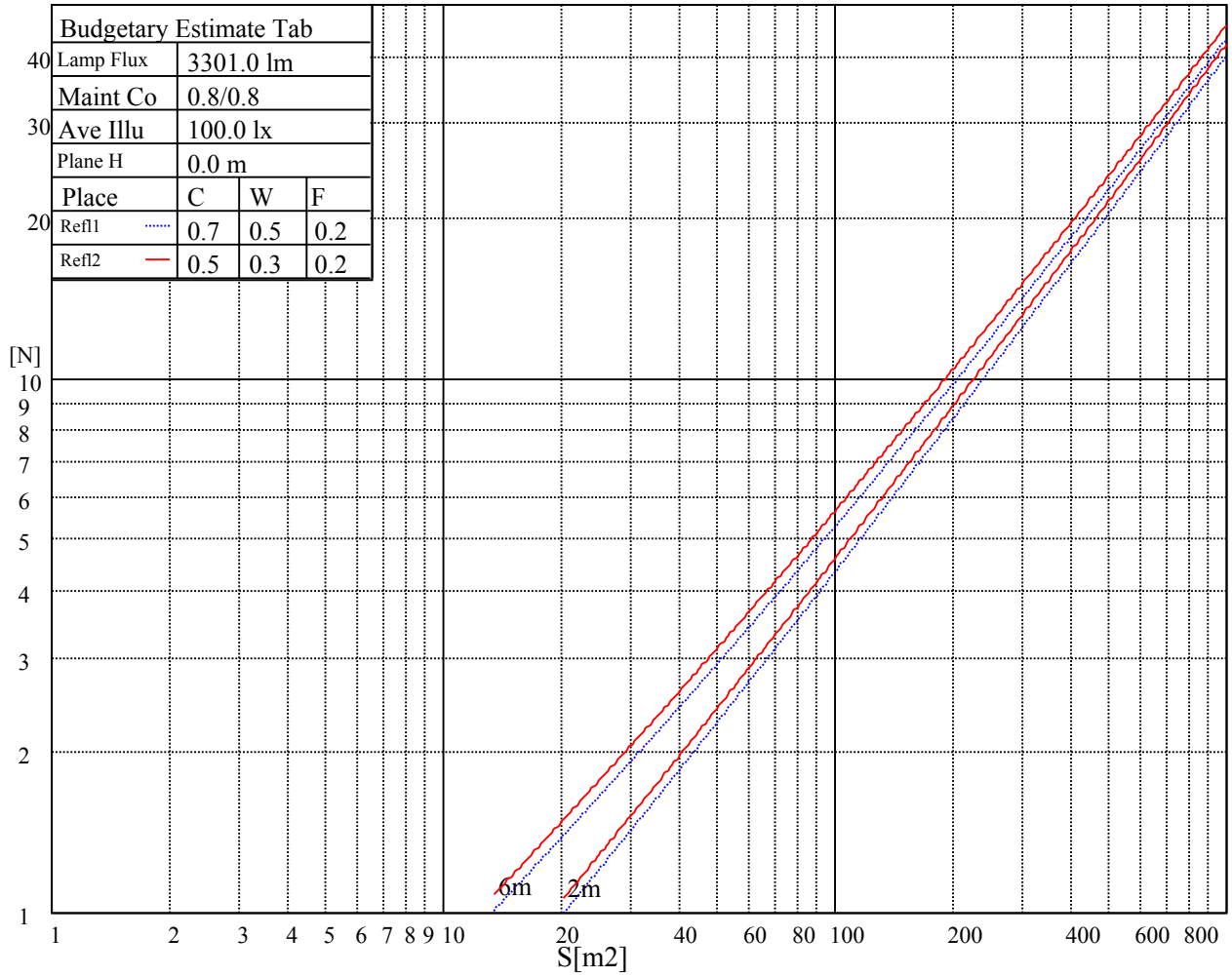
Luminance Limitting Curve



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

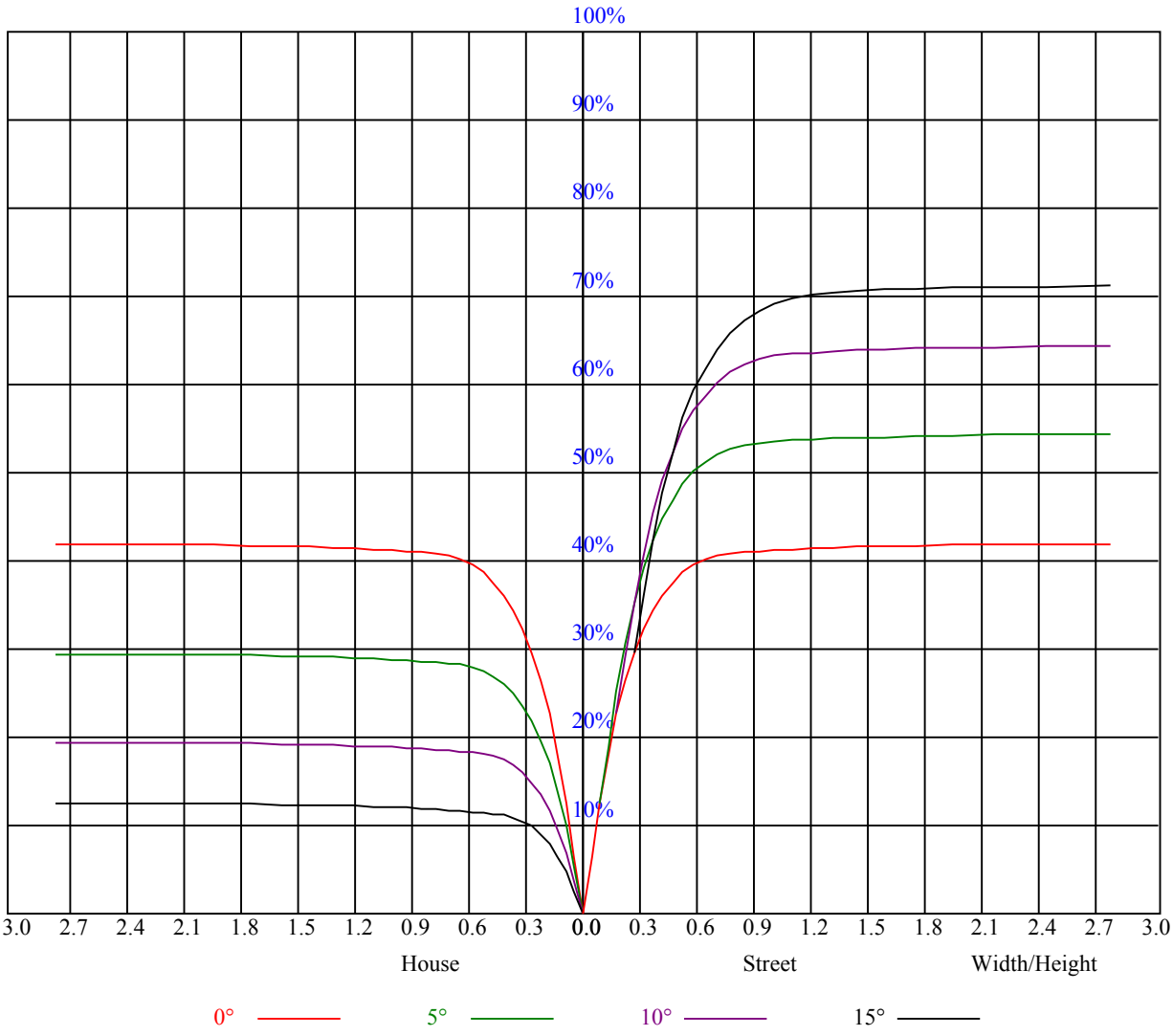


Equipment: GMS1980 Date: 2024/2/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

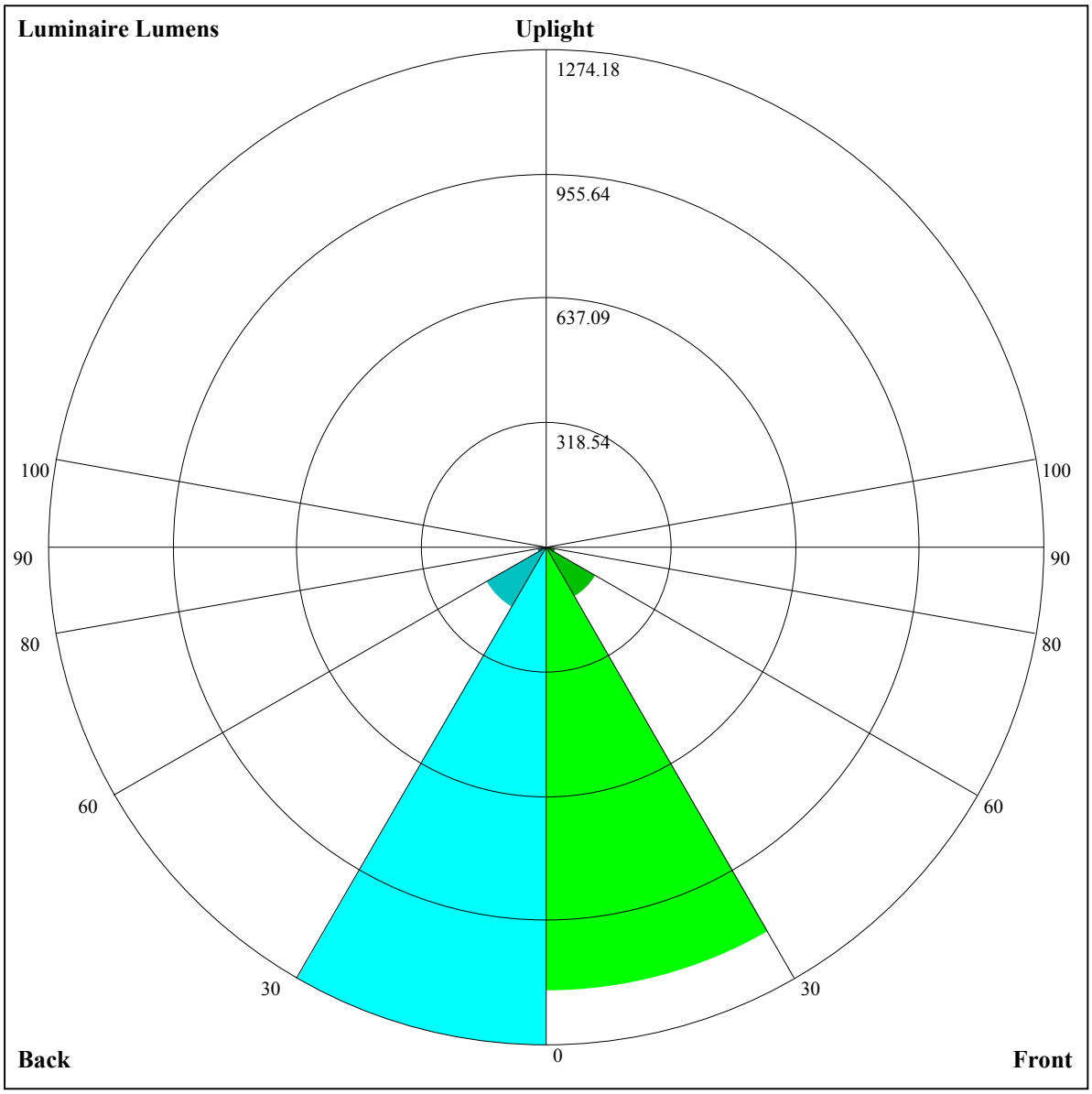
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.93	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.77	0.73	0.69	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	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	0.64	0.61	0.67	0.63	0.61	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	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1135.76,FM=144.64,FH=23.21,FVH=7.24
BL=1274.18,BM=177.83,BH=23.99,BVH=7.48
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	10536.45	10143.18	9814.28	9361.32	8658.46	8032.86	7207.10	6561.60	5912.59
45.0	10677.49	10593.80	10335.72	9926.06	9525.77	8999.06	8416.76	7607.40	6946.68
90.0	10633.01	10468.56	10110.99	9755.76	9271.78	8721.08	7926.93	7242.22	6580.91
135.0	10702.65	10709.68	10652.91	10427.01	10043.10	9665.05	8990.87	8384.58	7701.03
180.0	10536.45	10667.54	10687.44	10701.48	10578.00	10345.67	10041.93	9662.71	8992.04
225.0	10677.49	10697.97	10676.90	10509.53	10219.26	9866.37	9321.52	8748.59	7951.51
270.0	10633.01	10685.68	10701.48	10609.60	10370.83	9968.20	9562.64	9046.47	8301.48
315.0	10702.65	10673.98	10479.10	10186.48	9841.79	9237.84	8664.90	8025.83	7176.67
360.0	10536.45	10143.18	9814.28	9361.32	8658.46	8032.86	7207.10	6561.60	5912.59

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5278.79	4581.79	4115.36	3713.31	3369.20	3006.94	2754.71	2529.99	2284.19
45.0	6133.22	5498.83	4915.95	4285.08	3861.37	3493.27	3177.25	2838.40	2603.72
90.0	5910.25	5133.65	4584.71	4111.85	3619.09	3287.85	2998.17	2686.83	2470.88
135.0	6858.90	6193.49	5543.89	4947.55	4303.22	3876.00	3505.56	3181.93	2847.18
180.0	8393.94	7717.42	6872.36	6192.91	5521.07	4775.49	4291.51	3864.88	3399.05
225.0	7260.95	6589.11	5752.24	5127.80	4578.27	4007.09	3616.16	3277.90	2988.80
270.0	7633.15	6973.60	6320.49	5494.74	4883.18	4365.25	3935.11	3455.81	3132.18
315.0	6506.59	5855.23	5227.87	4534.38	4079.66	3591.58	3258.59	2974.17	2668.68
360.0	5278.79	4581.79	4115.36	3713.31	3369.20	3006.94	2754.71	2529.99	2284.19

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2106.28	1943.59	1766.85	1647.47	1518.72	1423.91	1153.95	1153.95	1066.92
45.0	2392.46	2202.85	1986.90	1833.57	1699.55	1561.44	1466.05	1369.49	1230.20
90.0	2274.24	2046.01	1883.90	1741.10	1621.13	1495.31	1404.01	1162.26	1162.26
135.0	2617.77	2406.50	2167.73	1993.33	1840.01	1673.80	1562.61	1465.46	1344.32
180.0	3088.88	2826.11	2542.86	2339.20	2143.15	1967.58	1782.65	1655.07	1549.15
225.0	2674.54	2450.40	2252.59	2074.68	1876.29	1738.18	1619.96	1495.31	1408.70
270.0	2856.54	2562.17	2356.17	2123.25	1951.78	1803.14	1646.30	1541.54	1450.83
315.0	2450.98	2250.25	2070.00	1868.68	1729.98	1610.60	1509.94	1420.40	1166.82
360.0	2106.28	1943.59	1766.85	1647.47	1518.72	1423.91	1153.95	1153.95	1066.92

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	957.60	848.69	745.52	618.35	520.56	429.26	346.69	253.17	186.63
45.0	1119.01	1008.40	872.63	769.04	666.63	567.73	448.93	365.82	309.64
90.0	1046.67	943.27	807.67	706.02	605.59	482.64	392.33	313.97	226.54
135.0	1231.96	1125.45	1014.25	881.99	776.65	673.65	576.51	460.63	372.26
180.0	1455.51	1340.81	1233.13	1100.87	988.50	879.65	747.98	645.56	550.17
225.0	1161.85	1161.85	1082.72	974.34	836.93	733.93	631.57	531.21	414.63
270.0	1365.39	1237.81	1136.57	1025.37	920.03	783.67	679.50	577.09	459.46
315.0	1166.82	1057.56	948.65	838.86	707.30	606.88	508.91	396.43	317.95
360.0	957.60	848.69	745.52	618.35	520.56	429.26	346.69	253.17	186.63

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.77	90.94	78.01	70.52	65.43	61.86	58.76	55.01	52.09
45.0	309.64	145.55	103.12	84.21	75.20	69.41	65.31	61.33	58.29
90.0	165.74	119.68	91.00	77.66	71.57	66.60	62.68	58.58	55.65
135.0	314.91	314.91	147.30	97.21	80.76	74.03	68.47	63.03	59.22
180.0	460.63	354.70	296.77	296.77	148.65	95.04	77.25	70.46	64.67
225.0	331.12	256.39	192.66	125.59	86.55	69.58	64.26	59.69	55.95
270.0	371.09	311.98	311.98	142.44	98.08	71.57	65.49	60.57	57.06
315.0	245.33	183.59	121.14	85.33	71.81	66.42	60.63	57.47	53.90
360.0	135.77	90.94	78.01	70.52	65.43	61.86	58.76	55.01	52.09

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	49.57	47.29	44.89	43.42	42.08	41.08	40.26	39.62	39.27
45.0	54.66	52.14	49.74	47.64	45.41	44.01	42.90	42.02	41.08
90.0	52.96	49.92	47.75	45.59	44.13	42.84	41.79	40.97	40.50
135.0	56.24	53.20	49.86	47.70	45.65	43.83	42.02	41.02	39.97
180.0	59.87	57.12	53.72	51.03	48.75	46.35	44.71	43.13	41.84
225.0	53.49	50.97	48.28	46.23	44.42	42.90	41.32	40.26	39.44
270.0	53.72	51.21	48.75	46.58	44.24	42.60	41.14	39.68	39.03
315.0	51.32	48.92	46.12	44.18	42.49	40.91	39.91	38.92	38.51
360.0	49.57	47.29	44.89	43.42	42.08	41.08	40.26	39.62	39.27

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.03	38.74	38.39	37.75	37.04	35.76	34.00	32.01	30.14
45.0	40.73	40.20	39.74	39.39	38.92	37.98	36.69	35.17	32.95
90.0	40.03	39.80	39.21	38.80	37.98	37.28	35.52	34.18	31.66
135.0	39.21	38.86	38.33	38.04	37.63	37.04	36.28	35.17	33.77
180.0	40.79	40.09	39.39	39.21	38.74	38.62	38.22	37.75	37.04
225.0	38.86	38.33	38.16	37.98	37.86	37.75	37.04	36.23	34.88
270.0	38.39	37.86	37.86	37.57	37.81	37.63	37.40	36.46	35.52
315.0	38.04	37.86	37.75	37.45	37.34	36.69	36.17	34.41	33.12
360.0	39.03	38.74	38.39	37.75	37.04	35.76	34.00	32.01	30.14

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.74	25.40	23.64	22.36	21.48	20.83	20.48	20.31	20.19
45.0	31.13	28.73	26.86	24.76	24.46	24.17	23.94	24.70	25.46
90.0	29.85	27.39	25.16	23.47	22.53	21.59	20.83	20.31	19.90
135.0	31.78	29.85	27.92	25.63	23.41	22.18	21.24	20.37	19.78
180.0	35.99	34.24	32.48	30.02	27.62	25.75	23.82	22.47	21.54
225.0	33.53	31.08	29.20	26.69	24.81	22.65	21.77	20.89	20.25
270.0	34.00	31.89	29.85	27.51	25.22	22.82	21.71	20.78	20.13
315.0	30.49	28.68	26.10	24.35	22.18	21.36	20.48	19.84	19.20
360.0	27.74	25.40	23.64	22.36	21.48	20.83	20.48	20.31	20.19

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.78	19.55	19.08	18.43	17.44	16.56	15.86	15.27	14.63
45.0	24.40	21.83	21.54	20.48	19.14	18.79	17.62	16.62	15.74
90.0	19.49	19.14	18.73	18.26	17.62	17.09	16.56	15.98	15.39
135.0	19.14	18.61	18.20	17.73	17.26	16.91	16.50	16.09	15.63
180.0	20.89	20.42	19.96	19.72	19.31	19.02	18.79	18.20	17.50
225.0	19.61	19.08	18.49	18.02	17.67	17.15	16.74	16.33	15.98
270.0	19.43	18.96	18.49	17.91	17.50	17.15	16.62	16.27	15.86
315.0	18.73	18.26	17.73	17.32	16.97	16.44	16.04	15.63	15.22
360.0	19.78	19.55	19.08	18.43	17.44	16.56	15.86	15.27	14.63

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.16	13.69	13.28	12.99	12.52	12.23	12.06	12.06	12.06
45.0	15.16	14.51	13.93	13.52	13.05	12.52	12.23	12.06	12.00
90.0	14.86	14.40	13.93	13.40	12.76	12.52	12.23	12.06	12.06
135.0	15.16	14.69	14.22	13.81	13.28	12.87	12.64	12.35	12.17
180.0	16.91	16.21	15.22	14.69	14.22	13.81	13.28	12.82	12.52
225.0	15.51	14.98	14.51	13.93	13.58	13.11	12.58	12.35	12.11
270.0	15.39	14.98	14.51	14.05	13.69	13.17	12.76	12.41	12.17
315.0	14.63	14.16	13.81	13.40	13.05	12.76	12.41	12.23	12.06
360.0	14.16	13.69	13.28	12.99	12.52	12.23	12.06	12.06	12.06

Intensity data(cd)

C/γ(°)	90.0
0.0	12.06
45.0	12.00
90.0	12.00
135.0	12.06
180.0	12.29
225.0	12.00
270.0	12.06
315.0	12.00
360.0	12.06