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NT

Client:
LumCAT: 3-2808-L
Luminaire: 92.70.412.00
Report No: 2024228-B015
Ballast type: AC

Test No: 2024228-C015	Voltage(V): 35.430
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.541
Lamp flux(lm): 2613.0	Power (W): 19.167
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2160.51, Efficiency(%): 82.68% , Luminous Efficacy(lm/W): 112.72
Central intensity(cd): 4170.372, Maximum intensity(cd): 4170.372
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=42.0
[C90/270]Total=42.0
Field angle(10%Imax): [C0/180]Total=65.6
[C90/270]Total=65.6
Maximum s/h(1/2): C0_180=0.68 C90_270=0.68
Maximum s/h(1/4): C0_180=0.66 C90_270=0.66
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.68%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.190%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4170.372	0.000	0	0.00%	0.00%
1.0	4167.592	3.990	3.99	0.15%	0.18%
2.0	4149.596	11.938	15.927	0.46%	0.74%
3.0	4125.968	19.792	35.72	0.76%	1.65%
4.0	4094.073	27.515	63.235	1.05%	2.93%
5.0	4054.351	35.054	98.289	1.34%	4.55%
6.0	4005.046	42.354	140.643	1.62%	6.51%
7.0	3951.717	49.387	190.031	1.89%	8.80%
8.0	3886.172	56.094	246.125	2.15%	11.39%
9.0	3803.655	62.322	308.447	2.39%	14.28%
10.0	3713.238	68.025	376.472	2.60%	17.43%
11.0	3614.335	73.218	449.689	2.80%	20.81%
12.0	3496.558	77.732	527.422	2.97%	24.41%
13.0	3364.298	81.421	608.843	3.12%	28.18%
14.0	3231.525	84.426	693.269	3.23%	32.09%
15.0	3089.754	86.781	780.05	3.32%	36.10%
16.0	2928.524	88.185	868.235	3.37%	40.19%
17.0	2782.950	88.943	957.178	3.40%	44.30%
18.0	2605.627	88.846	1046.024	3.40%	48.42%
19.0	2438.691	87.761	1133.784	3.36%	52.48%
20.0	2258.588	85.973	1219.758	3.29%	56.46%
21.0	2088.580	83.474	1303.232	3.19%	60.32%
22.0	1919.304	80.540	1383.772	3.08%	64.05%
23.0	1744.029	76.867	1460.639	2.94%	67.61%
24.0	1583.568	72.753	1533.392	2.78%	70.97%
25.0	1400.429	67.850	1601.242	2.60%	74.11%
26.0	1264.174	62.898	1664.14	2.41%	77.03%
27.0	1154.042	59.162	1723.302	2.26%	79.76%
28.0	1017.253	54.973	1778.275	2.10%	82.31%
29.0	874.165	49.485	1827.759	1.89%	84.60%
30.0	748.378	43.808	1871.568	1.68%	86.63%
31.0	617.968	38.023	1909.591	1.46%	88.39%
32.0	503.367	32.125	1941.716	1.23%	89.87%
33.0	395.473	26.480	1968.196	1.01%	91.10%
34.0	303.278	21.146	1989.343	0.81%	92.08%
35.0	241.925	16.932	2006.275	0.65%	92.86%
36.0	187.301	13.667	2019.941	0.52%	93.49%
37.0	118.413	9.971	2029.912	0.38%	93.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	77.301	6.533	2036.445	0.25%	94.26%
39.0	63.256	4.798	2041.242	0.18%	94.48%
40.0	55.450	4.140	2045.382	0.16%	94.67%
41.0	50.161	3.761	2049.143	0.14%	94.85%
42.0	45.977	3.493	2052.636	0.13%	95.01%
43.0	42.999	3.296	2055.932	0.13%	95.16%
44.0	40.417	3.148	2059.08	0.12%	95.31%
45.0	38.091	3.017	2062.097	0.12%	95.44%
46.0	36.013	2.898	2064.995	0.11%	95.58%
47.0	34.250	2.795	2067.79	0.11%	95.71%
48.0	32.612	2.703	2070.493	0.10%	95.83%
49.0	31.207	2.621	2073.113	0.10%	95.95%
50.0	30.029	2.553	2075.667	0.10%	96.07%
51.0	28.925	2.494	2078.161	0.10%	96.19%
52.0	28.069	2.446	2080.607	0.09%	96.30%
53.0	27.330	2.410	2083.016	0.09%	96.41%
54.0	26.701	2.381	2085.398	0.09%	96.52%
55.0	26.262	2.364	2087.762	0.09%	96.63%
56.0	25.991	2.361	2090.123	0.09%	96.74%
57.0	25.925	2.374	2092.497	0.09%	96.85%
58.0	25.969	2.400	2094.897	0.09%	96.96%
59.0	26.064	2.433	2097.329	0.09%	97.08%
60.0	26.130	2.466	2099.795	0.09%	97.19%
61.0	26.138	2.494	2102.29	0.10%	97.31%
62.0	26.086	2.516	2104.806	0.10%	97.42%
63.0	25.955	2.531	2107.337	0.10%	97.54%
64.0	25.786	2.539	2109.876	0.10%	97.66%
65.0	25.479	2.537	2112.413	0.10%	97.77%
66.0	25.143	2.526	2114.939	0.10%	97.89%
67.0	24.748	2.509	2117.447	0.10%	98.01%
68.0	24.323	2.486	2119.933	0.10%	98.12%
69.0	24.009	2.466	2122.399	0.09%	98.24%
70.0	23.709	2.451	2124.85	0.09%	98.35%
71.0	23.482	2.439	2127.289	0.09%	98.46%
72.0	23.226	2.429	2129.717	0.09%	98.57%
73.0	22.934	2.414	2132.131	0.09%	98.69%
74.0	22.597	2.394	2134.525	0.09%	98.80%
75.0	22.282	2.371	2136.896	0.09%	98.91%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.836	2.342	2139.238	0.09%	99.02%
77.0	21.075	2.288	2141.526	0.09%	99.12%
78.0	20.212	2.210	2143.736	0.08%	99.22%
79.0	18.844	2.098	2145.835	0.08%	99.32%
80.0	17.586	1.964	2147.799	0.08%	99.41%
81.0	16.072	1.820	2149.619	0.07%	99.50%
82.0	14.126	1.638	2151.256	0.06%	99.57%
83.0	12.341	1.439	2152.695	0.06%	99.64%
84.0	11.236	1.284	2153.98	0.05%	99.70%
85.0	10.549	1.189	2155.169	0.05%	99.75%
86.0	10.088	1.128	2156.297	0.04%	99.80%
87.0	9.751	1.086	2157.382	0.04%	99.86%
88.0	9.561	1.058	2158.44	0.04%	99.90%
89.0	9.437	1.041	2159.482	0.04%	99.95%
90.0	9.393	1.032	2160.514	0.04%	100.00%

Zonal flux distribution table

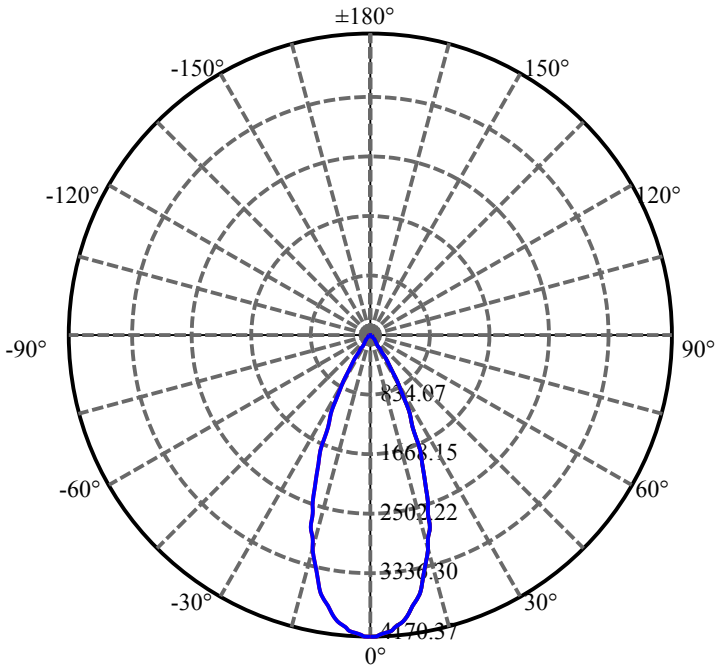
ZONAL LUMEN SUMMARY

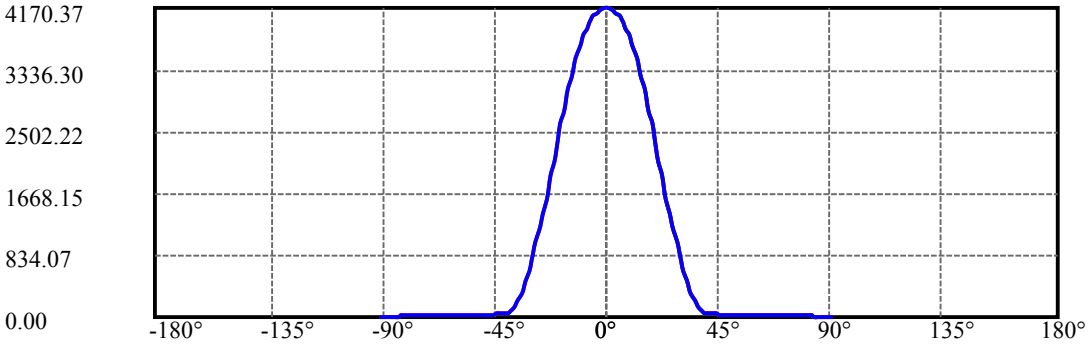
Zone	Lumens	%Lamp	%Fixt
0-30	1871.57	71.63%	86.63%
0-40	2045.38	78.28%	94.67%
0-60	2099.80	80.36%	97.19%
0-90	2159.48	82.64%	99.95%
0-120	2159.48	82.64%	99.95%
0-180	2160.51	82.68%	100.00%
60-90	59.69	2.28%	2.76%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.09	1728.41	66.15%	80.00%

ZONAL LUMEN SUMMARY

0-10	376.47
10-20	843.29
20-30	651.81
30-40	173.81
40-50	30.28
50-60	24.13
60-70	25.05
70-80	22.95
80-90	11.68
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):

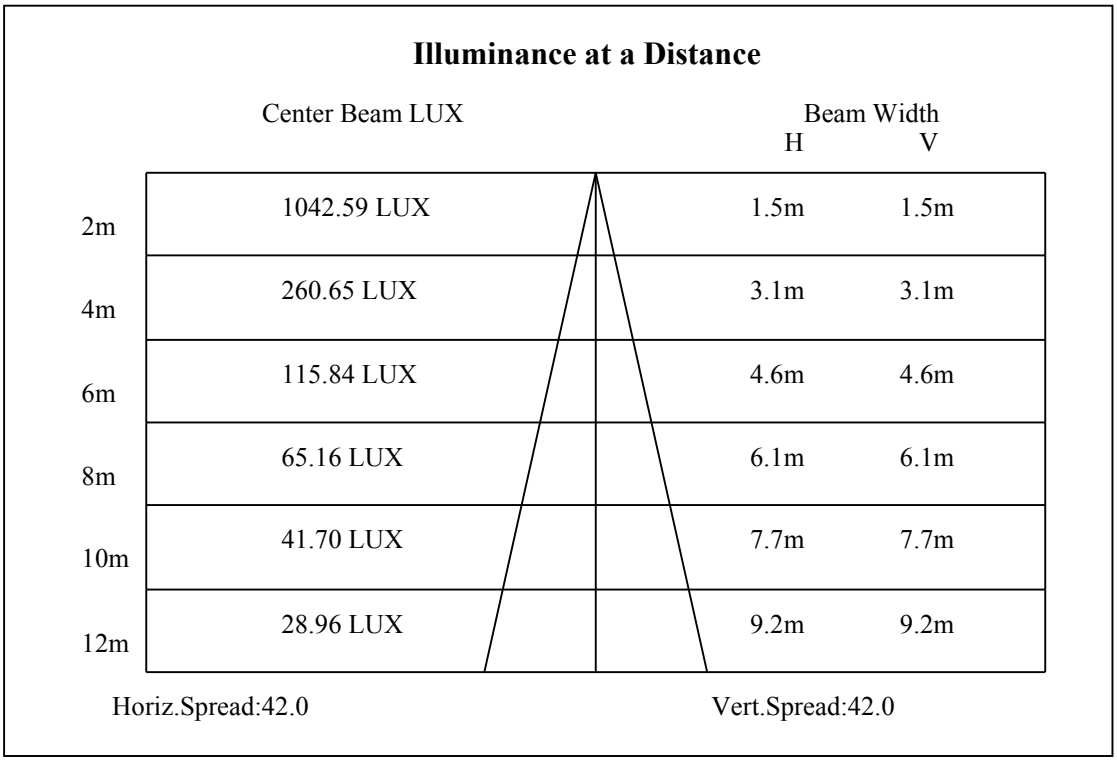
C0/C180:

C90/C270:

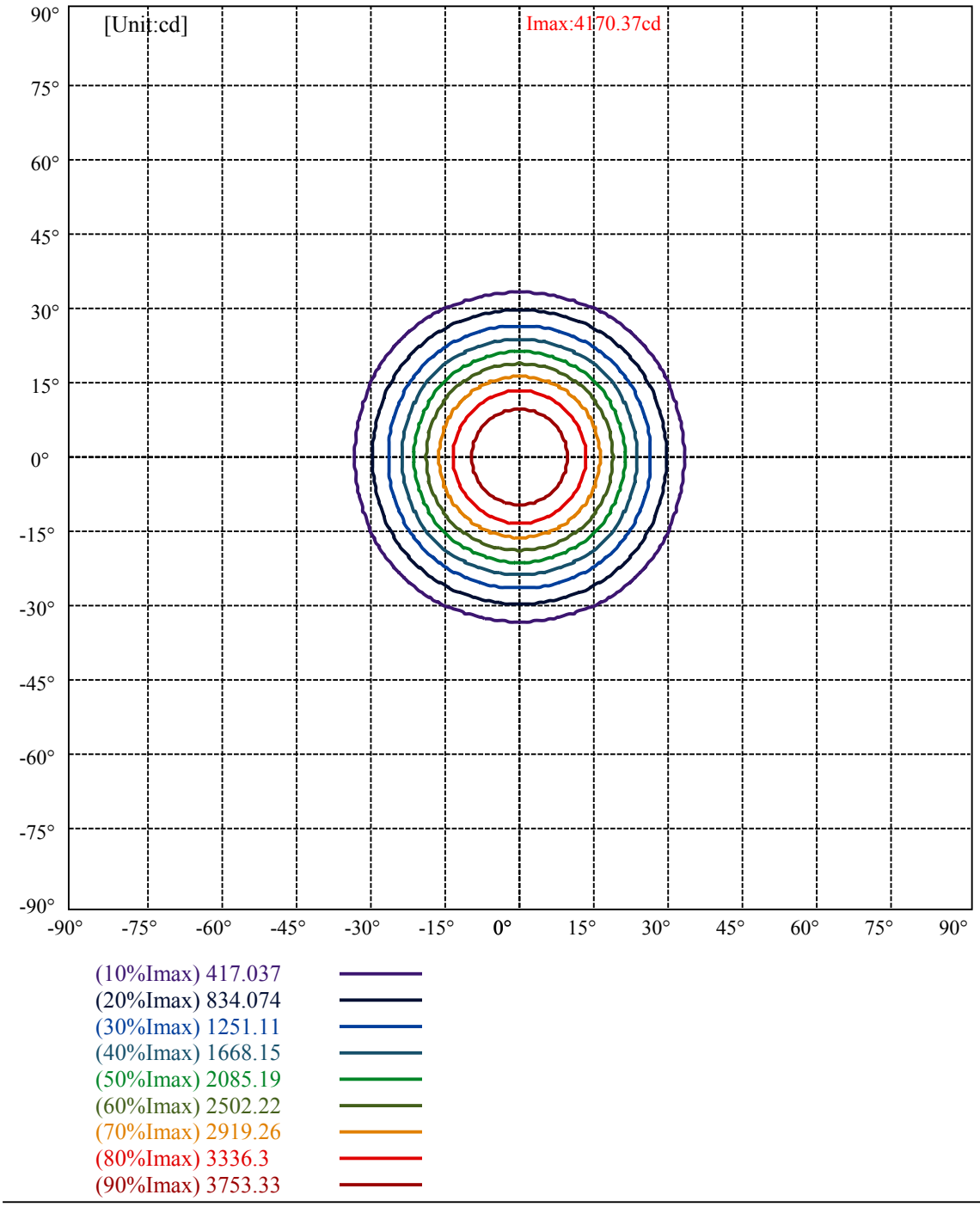
Field angle(10%Imax):C0/180Left:32.8 Right:32.8
:C90/270Left:32.8 Right:32.8

Beam Angle(50%Imax):C0/180Left:21.0 Right:21.0
:C90/270Left:21.0 Right:21.0

Lux distance Curve



ISO-Intensity(V-H)

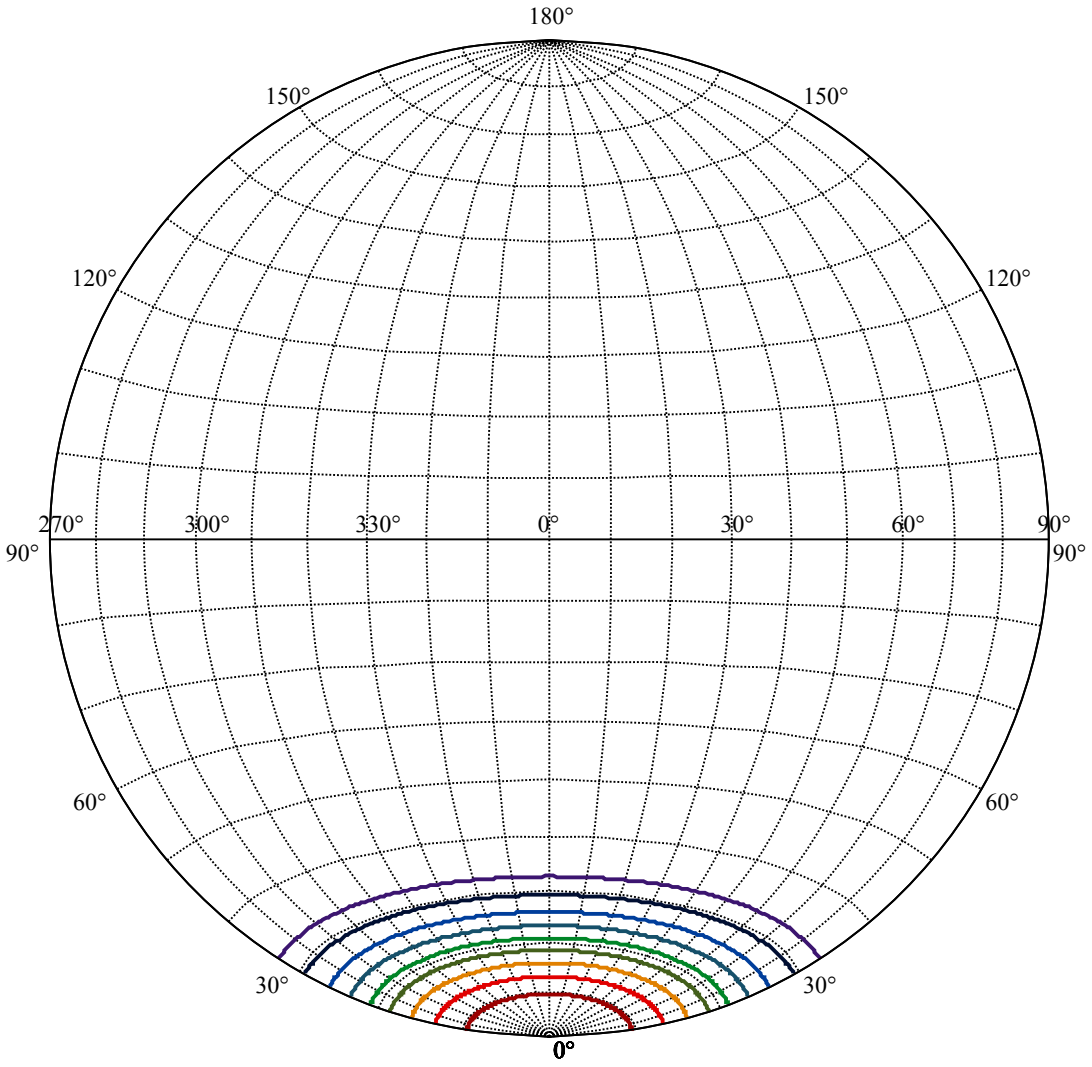


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

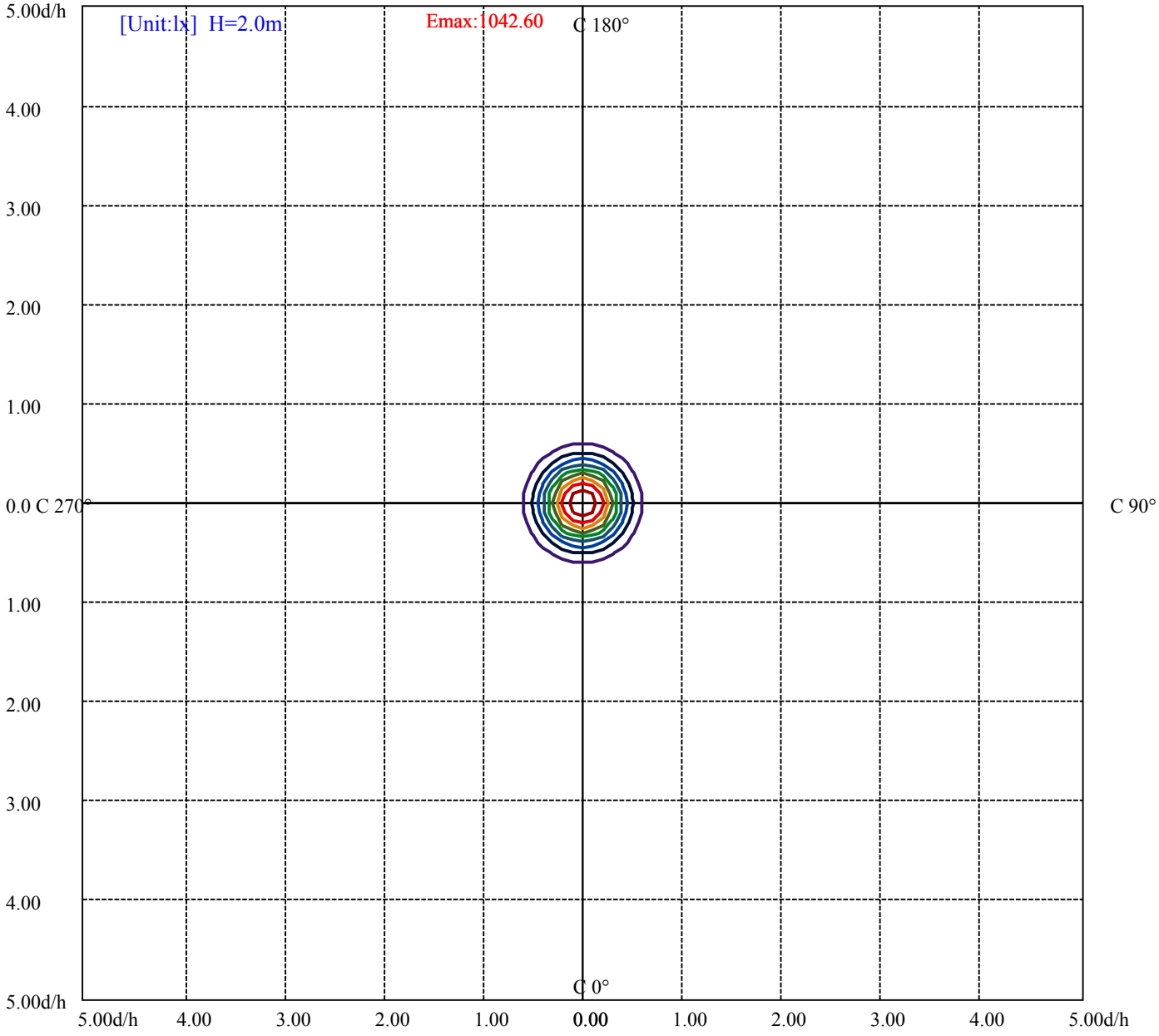
Imax:4170.37

(10%Imax) 417.037
(20%Imax) 834.074
(30%Imax) 1251.11
(40%Imax) 1668.15
(50%Imax) 2085.19
(60%Imax) 2502.22
(70%Imax) 2919.26
(80%Imax) 3336.3
(90%Imax) 3753.33

Equipment: GMS1980 Date: 2024/2/28 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT 3-2808-L

ISO illuminance diagram

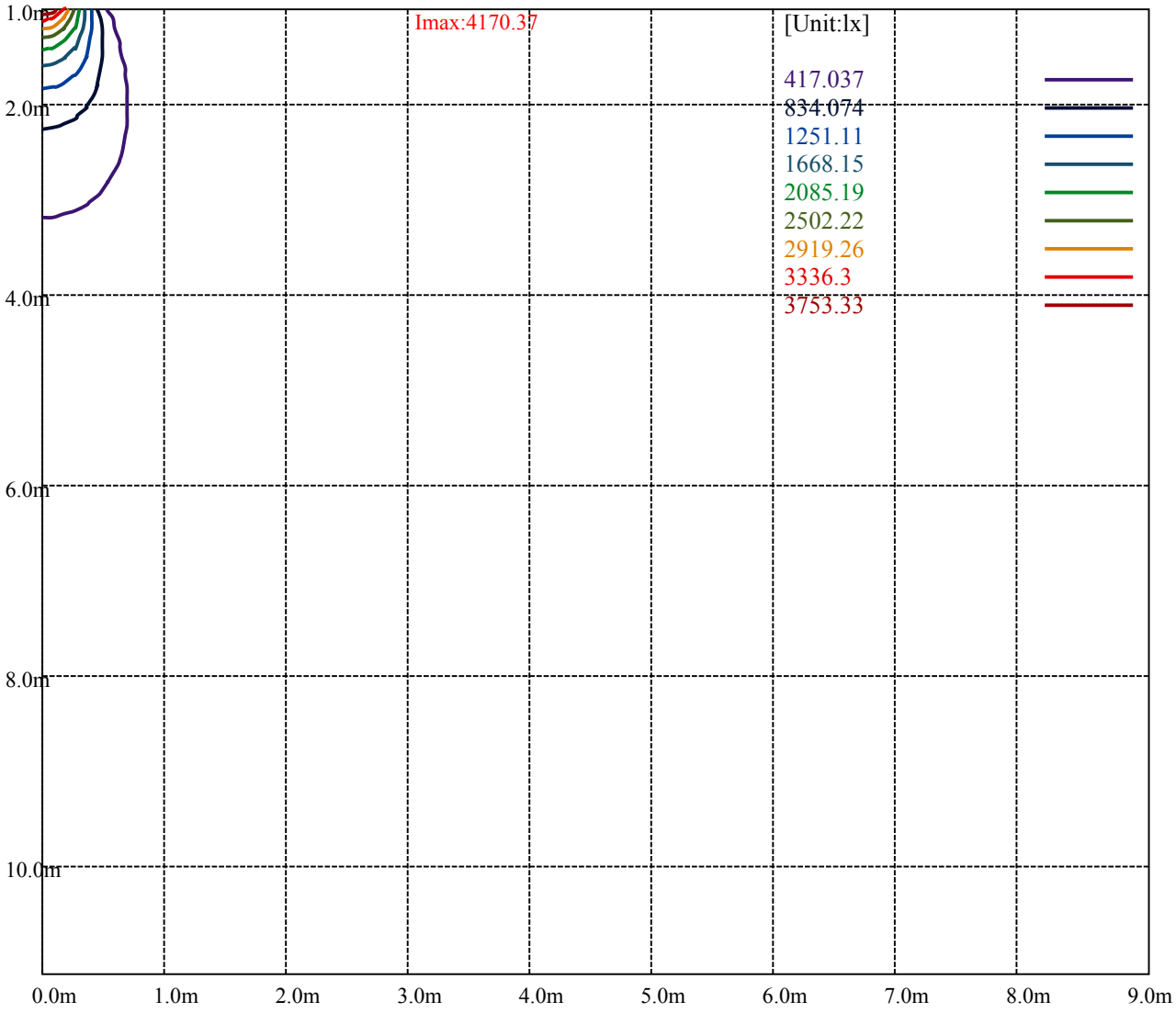


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/28
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

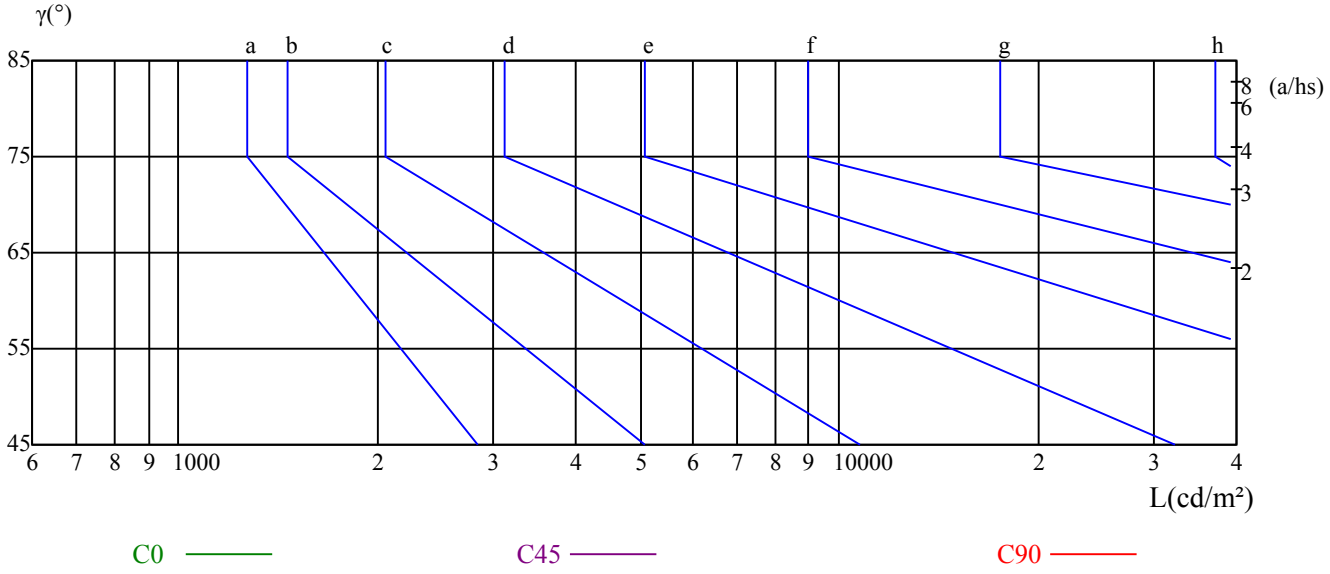
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

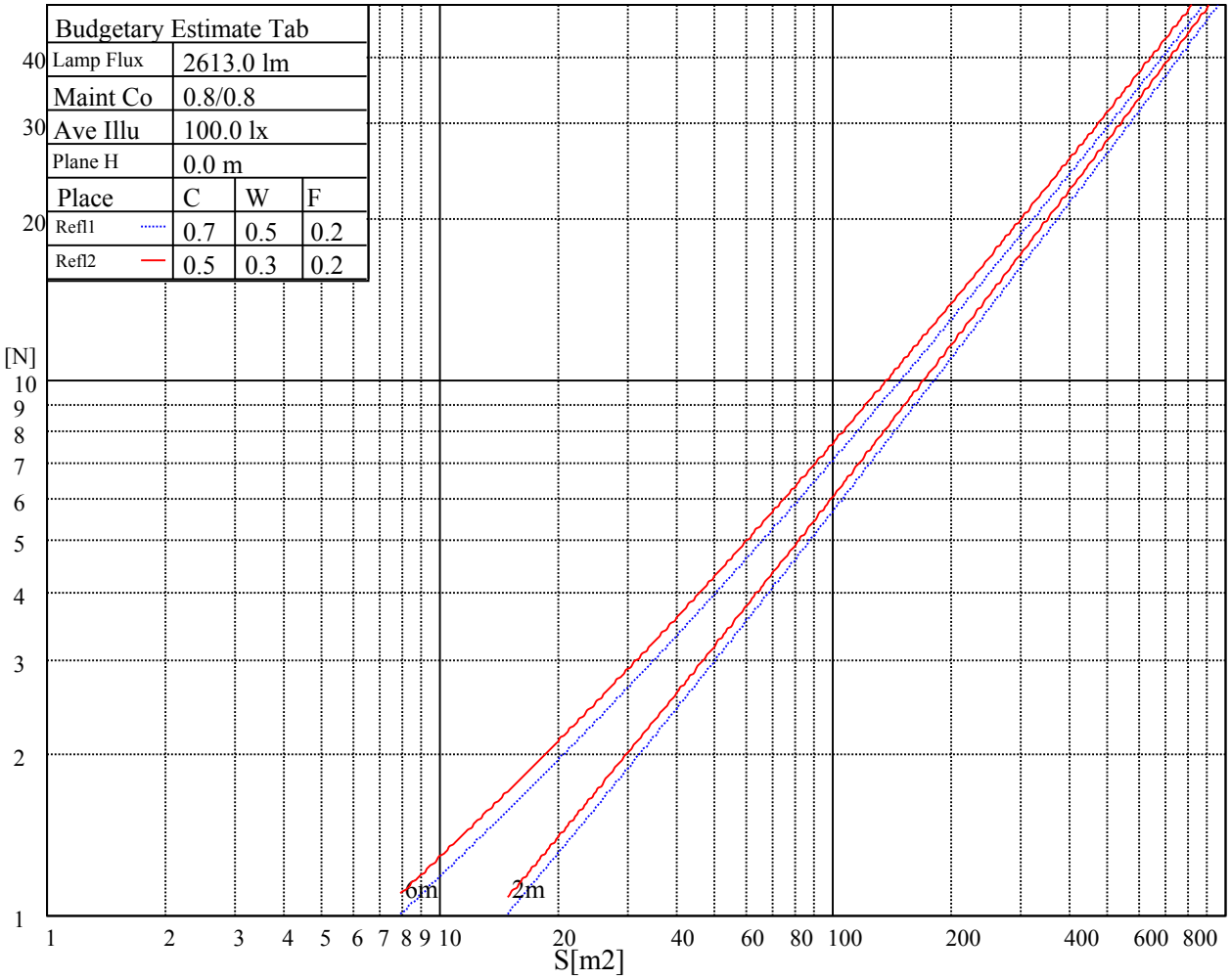
Luminance Limitting Curve



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

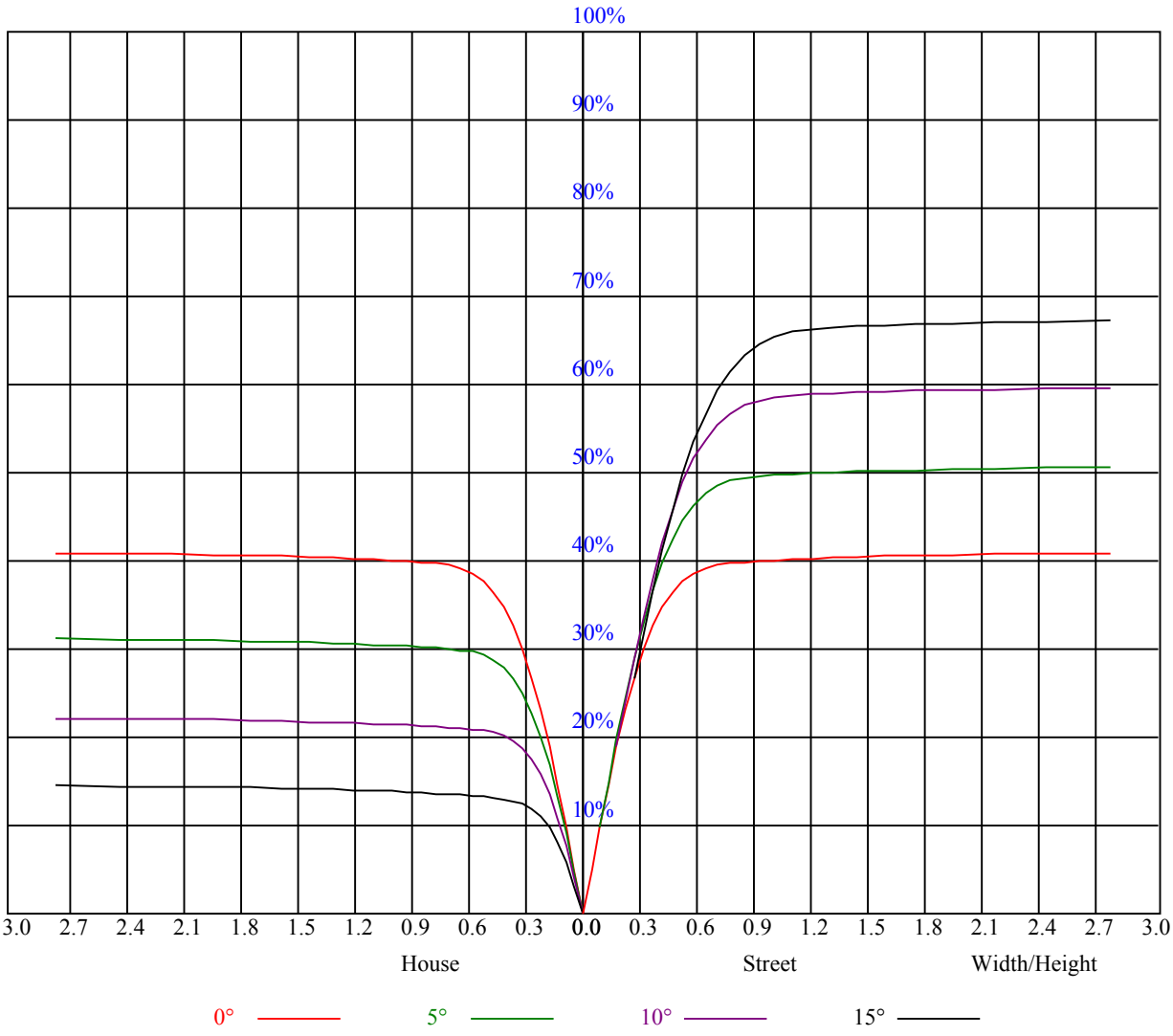


Equipment: GMS1980 Date: 2024/2/28 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

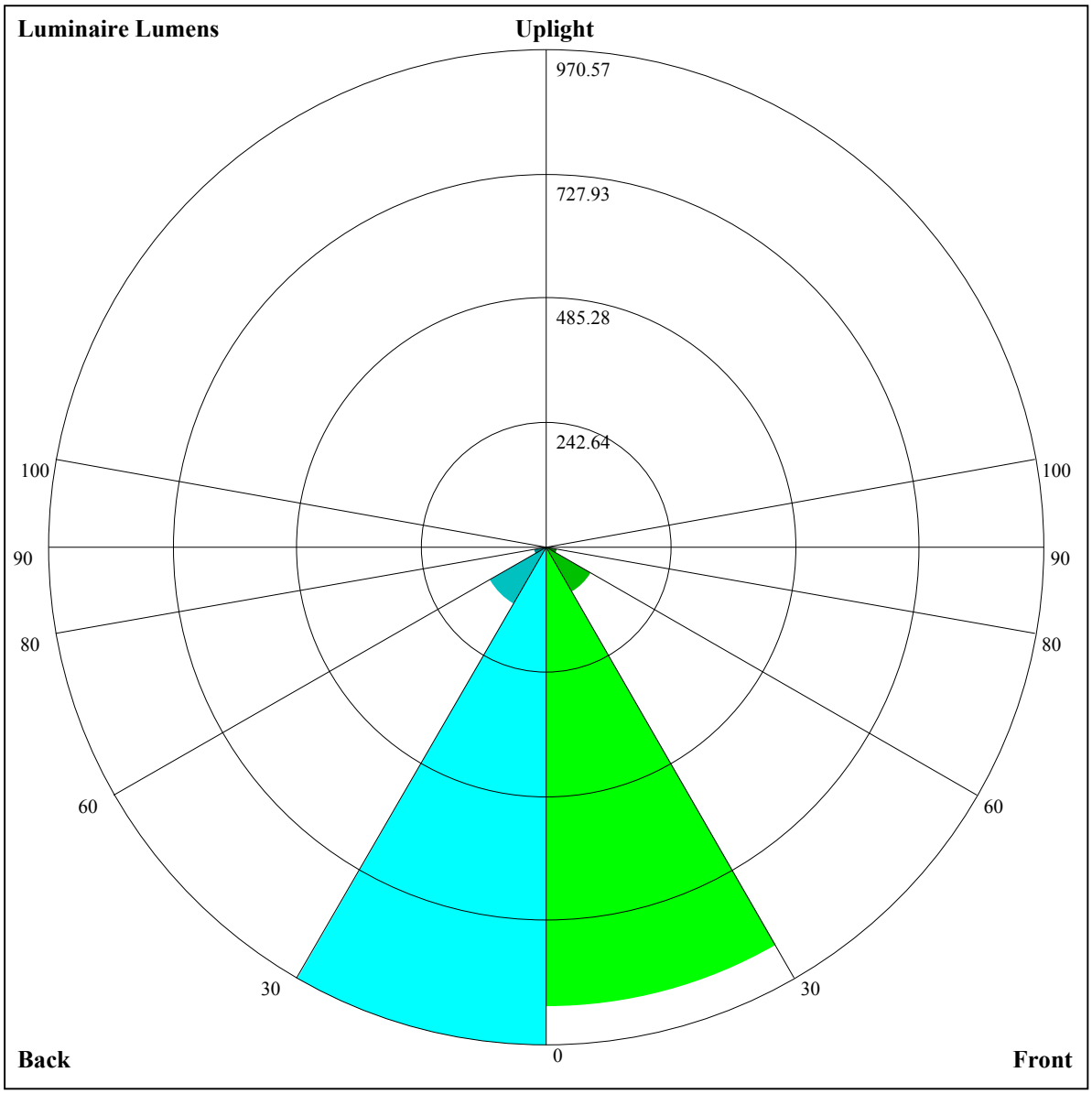
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.79	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.77	0.74	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.70	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.68	0.66	0.63	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.59	0.66	0.61	0.59	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
8	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.56	0.53	0.51	0.50

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/28	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=895.41,FM=102.35,FH=23.67,FVH=6.13
BL=970.57,BM=128.73,BH=24.09,BVH=6.64
UL=0,UH=0

BUG Rating:B2-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	4152.82	4132.33	4089.03	4049.23	4002.41	3935.70	3878.34	3805.19	3720.33
45.0	4172.71	4170.37	4158.67	4128.82	4101.90	4065.62	4019.38	3972.57	3900.00
90.0	4177.39	4177.98	4153.40	4131.16	4100.14	4065.03	4011.19	3959.11	3892.98
135.0	4178.57	4177.98	4173.30	4162.76	4138.77	4108.34	4069.71	4029.33	3964.96
180.0	4152.82	4171.54	4168.62	4162.76	4148.13	4122.97	4093.12	4060.93	4014.70
225.0	4172.71	4168.62	4148.72	4128.24	4082.59	4042.79	3997.15	3932.77	3870.15
270.0	4177.39	4176.22	4170.96	4143.45	4116.53	4080.83	4022.90	3972.57	3916.38
315.0	4178.57	4165.69	4134.09	4101.32	4062.11	4013.53	3948.57	3881.27	3809.87
360.0	4152.82	4132.33	4089.03	4049.23	4002.41	3935.70	3878.34	3805.19	3720.33

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3600.95	3491.51	3372.71	3246.30	3079.51	2943.74	2795.68	2592.02	2429.91
45.0	3824.50	3739.65	3620.85	3507.31	3352.81	3222.31	3081.85	2898.09	2750.03
90.0	3798.75	3708.04	3600.36	3455.23	3329.99	3157.35	3017.48	2869.42	2717.84
135.0	3907.02	3836.79	3750.18	3631.38	3517.85	3397.87	3238.11	3100.00	2960.13
180.0	3952.67	3891.22	3830.94	3747.25	3633.72	3529.55	3382.07	3255.67	3125.75
225.0	3796.41	3690.49	3590.41	3482.73	3369.20	3218.80	3090.05	2955.44	2811.48
270.0	3826.26	3743.16	3650.11	3518.43	3401.39	3280.24	3151.50	2979.44	2843.08
315.0	3722.67	3605.04	3499.12	3383.83	3229.92	3102.34	2961.30	2778.12	2625.38
360.0	3600.95	3491.51	3372.71	3246.30	3079.51	2943.74	2795.68	2592.02	2429.91

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2223.33	2054.78	1895.02	1712.43	1569.63	1330.27	1166.12	1166.12	995.12
45.0	2594.36	2435.76	2232.11	2068.83	1910.82	1765.10	1579.00	1435.03	1289.31
90.0	2525.30	2360.27	2194.07	2030.79	1841.18	1691.36	1540.96	1144.88	1144.88
135.0	2775.20	2616.01	2414.70	2244.98	2077.61	1919.60	1729.40	1583.09	1439.71
180.0	2951.35	2797.43	2631.23	2474.98	2277.75	2096.33	1934.23	1791.43	1605.33
225.0	2622.45	2459.17	2290.04	2084.63	1925.45	1738.76	1595.97	1459.61	1155.06
270.0	2689.75	2525.30	2319.89	2157.20	1967.00	1806.65	1648.64	1484.77	1345.49
315.0	2463.27	2260.78	2091.65	1934.81	1784.99	1604.16	1474.24	1138.50	1138.50
360.0	2223.33	2054.78	1895.02	1712.43	1569.63	1330.27	1166.12	1166.12	995.12

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	866.95	750.08	600.27	488.78	388.41	296.83	197.40	136.24	85.09
45.0	1107.30	975.04	846.88	695.89	585.87	457.70	363.48	298.52	298.52
90.0	1074.12	935.01	781.69	661.83	522.96	421.83	330.18	248.02	163.45
135.0	1289.89	1110.82	984.99	856.24	698.23	587.04	479.94	356.46	311.40
180.0	1478.92	1338.47	1170.51	1035.91	904.82	743.29	623.32	482.87	381.04
225.0	1155.06	1023.09	895.57	776.07	630.93	522.25	419.90	326.61	227.48
270.0	1216.74	1082.72	920.03	798.31	677.75	567.73	437.81	345.93	304.38
315.0	1043.34	922.78	793.39	674.00	534.78	430.26	311.75	231.57	164.04
360.0	866.95	750.08	600.27	488.78	388.41	296.83	197.40	136.24	85.09

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	68.06	59.99	52.26	47.99	44.95	42.37	39.56	37.57	35.70
45.0	131.44	82.69	68.12	59.93	53.96	48.57	45.47	42.96	40.15
90.0	110.78	79.24	67.48	58.00	52.73	48.52	44.77	42.25	39.97
135.0	311.40	115.06	81.46	66.48	59.05	51.97	47.81	44.71	42.19
180.0	313.15	313.15	130.68	89.54	70.17	61.39	53.20	48.52	45.18
225.0	159.94	108.91	74.56	64.49	55.54	50.39	46.64	43.72	40.61
270.0	304.38	114.88	80.82	65.19	57.70	52.14	47.17	44.18	41.55
315.0	99.25	73.39	63.03	54.43	49.51	45.94	43.19	40.09	37.98
360.0	68.06	59.99	52.26	47.99	44.95	42.37	39.56	37.57	35.70

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	34.06	32.30	31.08	29.96	28.79	28.03	27.39	26.69	26.22
45.0	38.10	35.82	34.24	32.77	31.19	30.08	29.14	28.27	27.62
90.0	37.34	35.52	33.94	32.13	30.90	29.79	28.68	27.97	27.33
135.0	39.39	37.34	35.46	33.47	32.07	30.72	29.32	28.32	27.51
180.0	42.66	39.74	37.69	35.41	33.77	32.36	30.72	29.61	28.62
225.0	38.45	36.52	34.35	32.89	31.54	30.31	29.09	28.27	27.51
270.0	38.74	36.58	34.82	33.18	31.54	30.31	29.32	28.44	27.51
315.0	35.99	34.29	32.42	31.08	29.85	28.62	27.74	26.98	26.34
360.0	34.06	32.30	31.08	29.96	28.79	28.03	27.39	26.69	26.22

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.87	25.81	25.87	26.04	26.22	26.28	26.28	26.10	25.81
45.0	27.04	26.63	26.45	26.45	26.69	26.86	26.98	26.98	26.92
90.0	26.74	26.34	26.34	26.51	26.63	26.74	26.80	26.69	26.57
135.0	26.74	26.22	25.81	25.57	25.63	25.87	26.04	26.16	26.22
180.0	27.80	27.04	26.45	25.98	25.69	25.69	25.75	25.81	25.93
225.0	26.80	26.39	26.04	25.98	26.04	26.16	26.22	26.34	26.39
270.0	26.86	26.28	25.81	25.63	25.52	25.40	25.34	25.34	25.22
315.0	25.75	25.40	25.16	25.22	25.34	25.52	25.63	25.69	25.63
360.0	25.87	25.81	25.87	26.04	26.22	26.28	26.28	26.10	25.81

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.22	24.64	23.94	23.41	23.29	23.99	24.52	24.64	24.87
45.0	26.80	26.74	26.63	26.74	27.04	27.04	27.33	27.51	27.04
90.0	26.22	25.75	25.22	24.64	24.05	23.35	23.12	22.94	22.71
135.0	26.22	26.10	25.69	25.16	24.11	23.12	21.77	20.66	19.96
180.0	26.04	26.04	25.87	25.57	25.11	24.05	23.06	21.77	20.78
225.0	26.63	27.04	27.45	28.09	28.68	28.97	29.38	29.85	30.49
270.0	25.11	24.99	24.81	24.35	23.82	23.17	22.94	23.06	23.29
315.0	25.40	24.99	24.23	23.17	21.89	20.89	19.96	19.25	18.73
360.0	25.22	24.64	23.94	23.41	23.29	23.99	24.52	24.64	24.87

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.34	25.52	25.69	25.40	25.11	23.58	21.07	16.15	13.23
45.0	26.69	26.28	25.57	25.16	24.05	22.59	21.71	20.19	18.55
90.0	22.24	21.65	21.30	21.13	20.31	19.49	18.61	17.79	16.74
135.0	19.25	18.73	18.14	17.79	17.50	17.26	16.97	16.56	16.04
180.0	20.07	19.55	19.20	18.96	18.90	18.79	18.73	18.61	18.49
225.0	30.67	30.55	30.20	29.67	28.79	27.68	26.74	25.52	23.99
270.0	23.41	23.29	23.00	22.65	22.82	22.41	21.65	20.25	18.90
315.0	18.14	17.91	17.67	17.50	17.21	16.80	16.21	15.68	14.75
360.0	25.34	25.52	25.69	25.40	25.11	23.58	21.07	16.15	13.23

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.94	11.06	10.65	10.53	9.83	9.60	9.42	9.36	9.36
45.0	16.15	13.28	11.70	11.00	10.53	9.95	9.71	9.48	9.36
90.0	15.04	13.34	11.59	10.71	10.07	9.89	9.71	9.54	9.42
135.0	15.39	14.69	12.76	11.65	10.59	10.07	9.83	9.71	9.54
180.0	18.20	17.38	15.98	12.99	11.59	10.71	10.12	9.77	9.60
225.0	21.24	16.74	12.41	11.12	10.65	10.07	9.71	9.54	9.36
270.0	17.03	14.46	12.64	11.29	10.71	10.42	9.77	9.60	9.42
315.0	13.58	12.06	11.00	10.59	10.42	10.01	9.71	9.48	9.42
360.0	11.94	11.06	10.65	10.53	9.83	9.60	9.42	9.36	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.36
45.0	9.36
90.0	9.42
135.0	9.42
180.0	9.42
225.0	9.31
270.0	9.36
315.0	9.48
360.0	9.36