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NT

Client:
LumCAT: 2-2521-L
Luminaire: 92.70.412.00
Report No: 2024807-B010
Ballast type: AC

Test No: 2024807-C010	Voltage(V): 34.950
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2561.0	Power (W): 15.727
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2356.56, Efficiency(%): 92.02% , Luminous Efficacy(lm/W): 149.84
Central intensity(cd): 4032.991, Maximum intensity(cd): 4032.991
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=47.4
[C90/270]Total=47.4
Field angle(10%Imax): [C0/180]Total=67.4
[C90/270]Total=67.4
Maximum s/h(1/2): C0_180=0.74 C90_270=0.74
Maximum s/h(1/4): C0_180=0.73 C90_270=0.73
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.068%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4032.990	0.000	0	0.00%	0.00%
1.0	4022.017	3.854	3.854	0.15%	0.16%
2.0	3998.316	11.512	15.366	0.45%	0.65%
3.0	3954.497	19.021	34.386	0.74%	1.46%
4.0	3893.487	26.270	60.656	1.03%	2.57%
5.0	3829.332	33.223	93.879	1.30%	3.98%
6.0	3761.958	39.894	133.773	1.56%	5.68%
7.0	3701.241	46.324	180.097	1.81%	7.64%
8.0	3634.452	52.500	232.597	2.05%	9.87%
9.0	3562.543	58.328	290.925	2.28%	12.35%
10.0	3486.098	63.788	354.713	2.49%	15.05%
11.0	3401.971	68.826	423.539	2.69%	17.97%
12.0	3319.820	73.479	497.018	2.87%	21.09%
13.0	3227.428	77.699	574.717	3.03%	24.39%
14.0	3126.696	81.332	656.049	3.18%	27.84%
15.0	3033.280	84.567	740.616	3.30%	31.43%
16.0	2927.939	87.349	827.965	3.41%	35.13%
17.0	2813.381	89.408	917.372	3.49%	38.93%
18.0	2699.482	90.895	1008.268	3.55%	42.79%
19.0	2590.923	92.042	1100.31	3.59%	46.69%
20.0	2467.294	92.579	1192.889	3.61%	50.62%
21.0	2343.373	92.375	1285.264	3.61%	54.54%
22.0	2227.864	91.861	1377.125	3.59%	58.44%
23.0	2102.552	90.864	1467.989	3.55%	62.29%
24.0	1978.192	89.220	1557.208	3.48%	66.08%
25.0	1838.470	86.783	1643.991	3.39%	69.76%
26.0	1660.722	82.599	1726.59	3.23%	73.27%
27.0	1487.978	77.034	1803.623	3.01%	76.54%
28.0	1307.078	70.765	1874.388	2.76%	79.54%
29.0	1127.516	63.696	1938.084	2.49%	82.24%
30.0	976.170	56.799	1994.883	2.22%	84.65%
31.0	806.550	49.611	2044.494	1.94%	86.76%
32.0	644.091	41.559	2086.053	1.62%	88.52%
33.0	491.062	33.442	2119.495	1.31%	89.94%
34.0	373.286	26.158	2145.653	1.02%	91.05%
35.0	290.345	20.610	2166.262	0.80%	91.92%
36.0	218.911	16.215	2182.477	0.63%	92.61%
37.0	171.990	12.749	2195.226	0.50%	93.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	128.303	10.023	2205.25	0.39%	93.58%
39.0	107.674	8.055	2213.304	0.31%	93.92%
40.0	91.127	6.933	2220.238	0.27%	94.22%
41.0	79.700	6.083	2226.321	0.24%	94.47%
42.0	69.730	5.429	2231.75	0.21%	94.70%
43.0	62.407	4.895	2236.645	0.19%	94.91%
44.0	56.079	4.472	2241.117	0.17%	95.10%
45.0	51.090	4.119	2245.235	0.16%	95.28%
46.0	46.781	3.828	2249.063	0.15%	95.44%
47.0	43.146	3.577	2252.639	0.14%	95.59%
48.0	40.344	3.375	2256.014	0.13%	95.73%
49.0	37.710	3.205	2259.22	0.13%	95.87%
50.0	35.421	3.049	2262.269	0.12%	96.00%
51.0	33.351	2.910	2265.179	0.11%	96.12%
52.0	31.727	2.793	2267.971	0.11%	96.24%
53.0	30.103	2.690	2270.661	0.11%	96.35%
54.0	28.808	2.597	2273.257	0.10%	96.47%
55.0	27.630	2.519	2275.776	0.10%	96.57%
56.0	26.533	2.447	2278.224	0.10%	96.68%
57.0	25.582	2.383	2280.607	0.09%	96.78%
58.0	24.784	2.329	2282.936	0.09%	96.88%
59.0	24.053	2.283	2285.219	0.09%	96.97%
60.0	23.746	2.258	2287.477	0.09%	97.07%
61.0	24.462	2.301	2289.778	0.09%	97.17%
62.0	25.867	2.425	2292.203	0.09%	97.27%
63.0	27.549	2.598	2294.801	0.10%	97.38%
64.0	28.303	2.741	2297.541	0.11%	97.50%
65.0	29.005	2.836	2300.377	0.11%	97.62%
66.0	29.481	2.918	2303.296	0.11%	97.74%
67.0	30.051	2.993	2306.289	0.12%	97.87%
68.0	30.344	3.059	2309.348	0.12%	98.00%
69.0	30.615	3.110	2312.458	0.12%	98.13%
70.0	30.797	3.154	2315.612	0.12%	98.26%
71.0	30.746	3.181	2318.793	0.12%	98.40%
72.0	30.249	3.172	2321.965	0.12%	98.53%
73.0	29.130	3.105	2325.07	0.12%	98.66%
74.0	27.725	2.989	2328.059	0.12%	98.79%
75.0	26.050	2.841	2330.9	0.11%	98.91%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	24.082	2.661	2333.561	0.10%	99.02%
77.0	22.195	2.467	2336.028	0.10%	99.13%
78.0	20.746	2.299	2338.327	0.09%	99.23%
79.0	19.049	2.138	2340.465	0.08%	99.32%
80.0	17.469	1.969	2342.434	0.08%	99.40%
81.0	16.174	1.819	2344.253	0.07%	99.48%
82.0	14.901	1.685	2345.939	0.07%	99.55%
83.0	13.958	1.569	2347.507	0.06%	99.62%
84.0	13.380	1.489	2348.997	0.06%	99.68%
85.0	12.882	1.433	2350.43	0.06%	99.74%
86.0	11.917	1.356	2351.786	0.05%	99.80%
87.0	11.083	1.259	2353.044	0.05%	99.85%
88.0	10.717	1.194	2354.238	0.05%	99.90%
89.0	10.563	1.166	2355.405	0.05%	99.95%
90.0	10.512	1.156	2356.56	0.05%	100.00%

Zonal flux distribution table

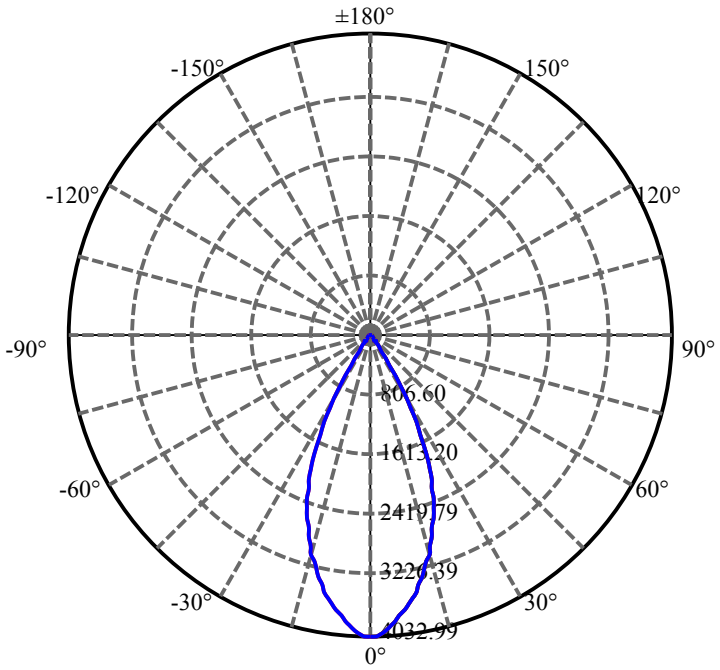
ZONAL LUMEN SUMMARY

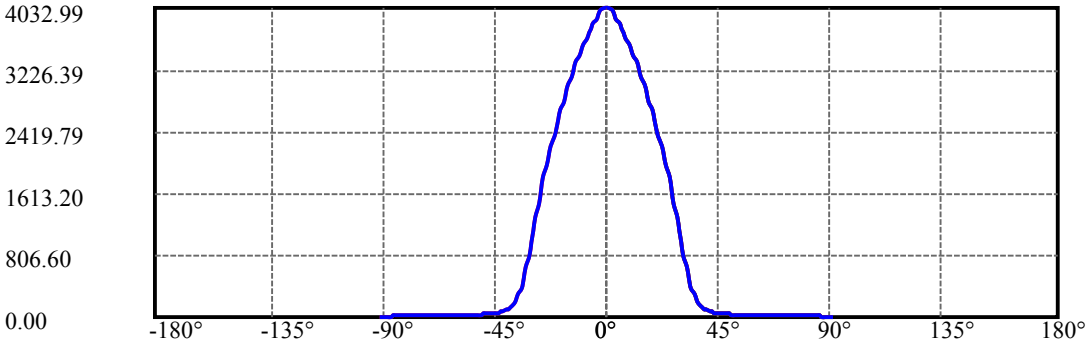
Zone	Lumens	%Lamp	%Fixt
0-30	1994.88	77.89%	84.65%
0-40	2220.24	86.69%	94.22%
0-60	2287.48	89.32%	97.07%
0-90	2355.40	91.97%	99.95%
0-120	2355.40	91.97%	99.95%
0-180	2356.56	92.02%	100.00%
60-90	67.93	2.65%	2.88%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.17	1885.25	73.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	354.71
10-20	838.18
20-30	801.99
30-40	225.35
40-50	42.03
50-60	25.21
60-70	28.14
70-80	26.82
80-90	12.97
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):

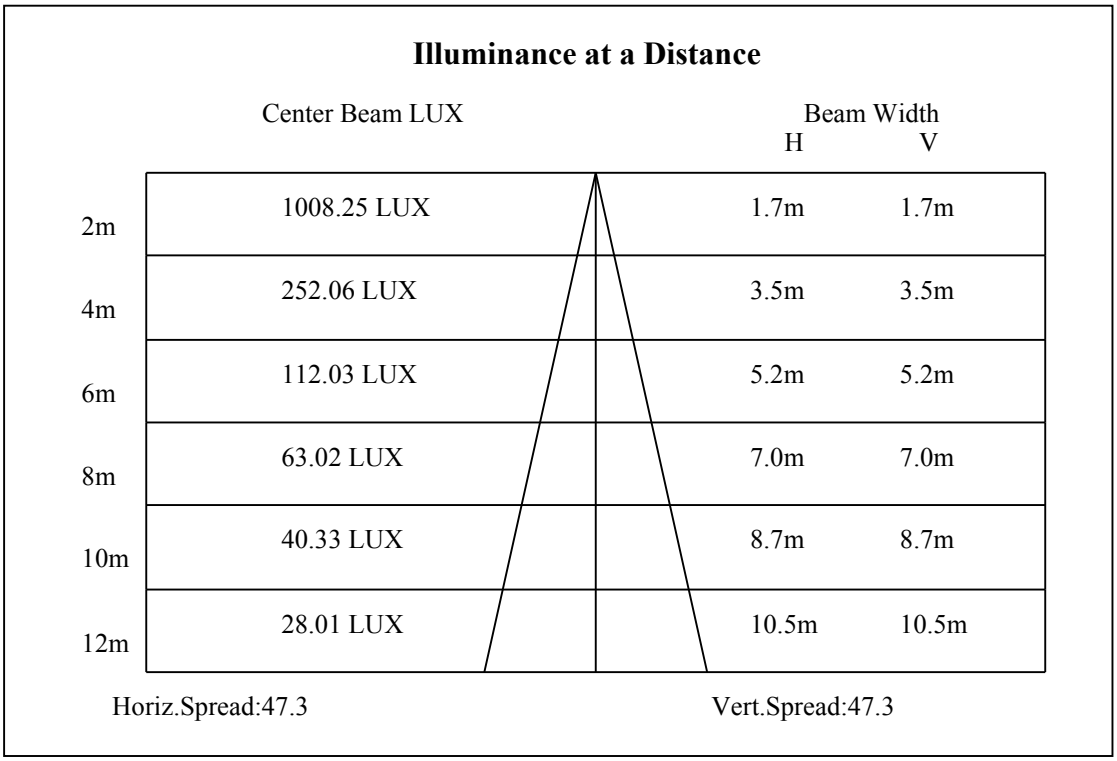
C0/C180:

C90/C270:

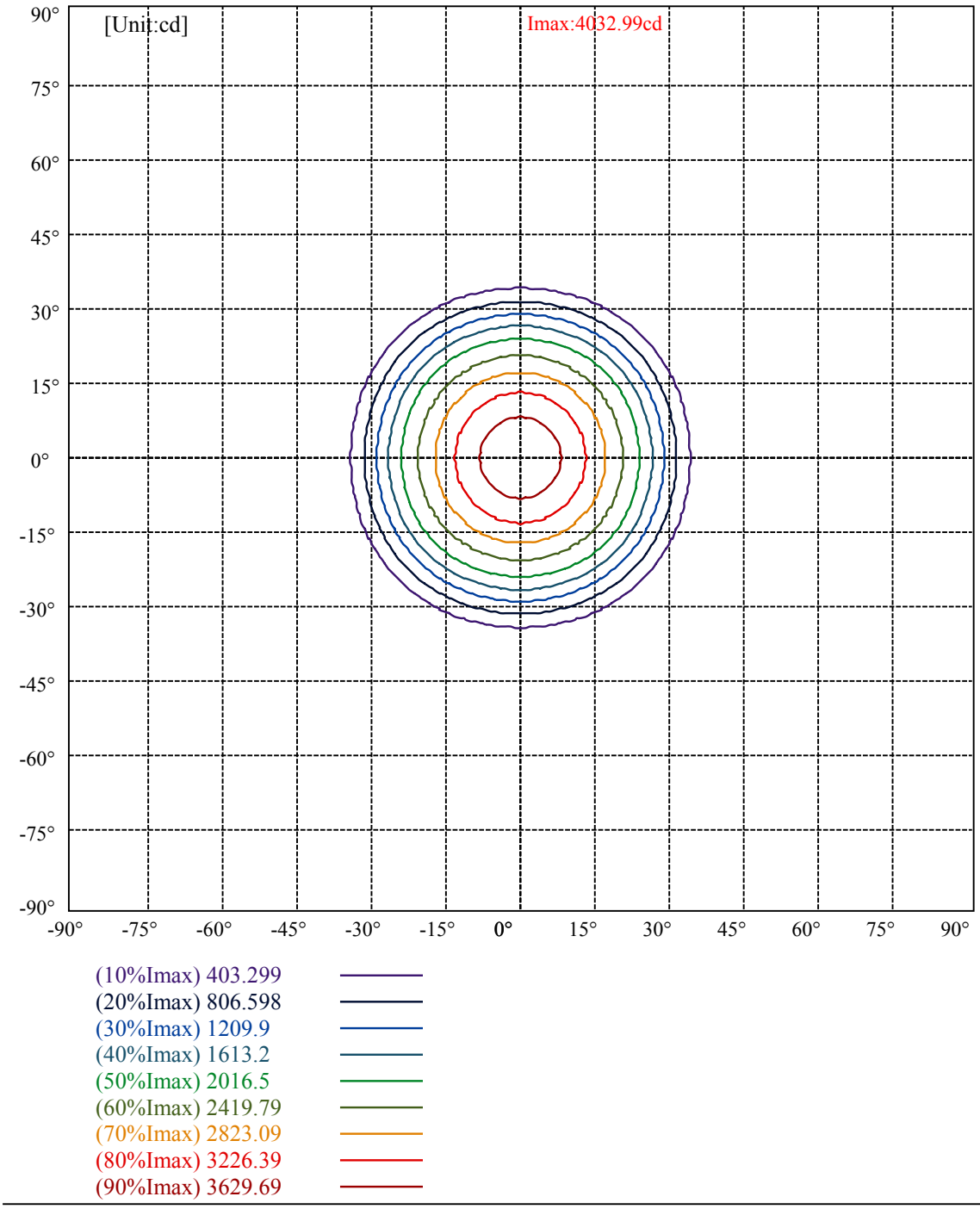
Field angle(10%Imax):C0/180Left:33.7 Right:33.7
:C90/270Left:33.7 Right:33.7

Beam Angle(50%Imax):C0/180Left:23.7 Right:23.7
:C90/270Left:23.7 Right:23.7

Lux distance Curve



ISO-Intensity(V-H)



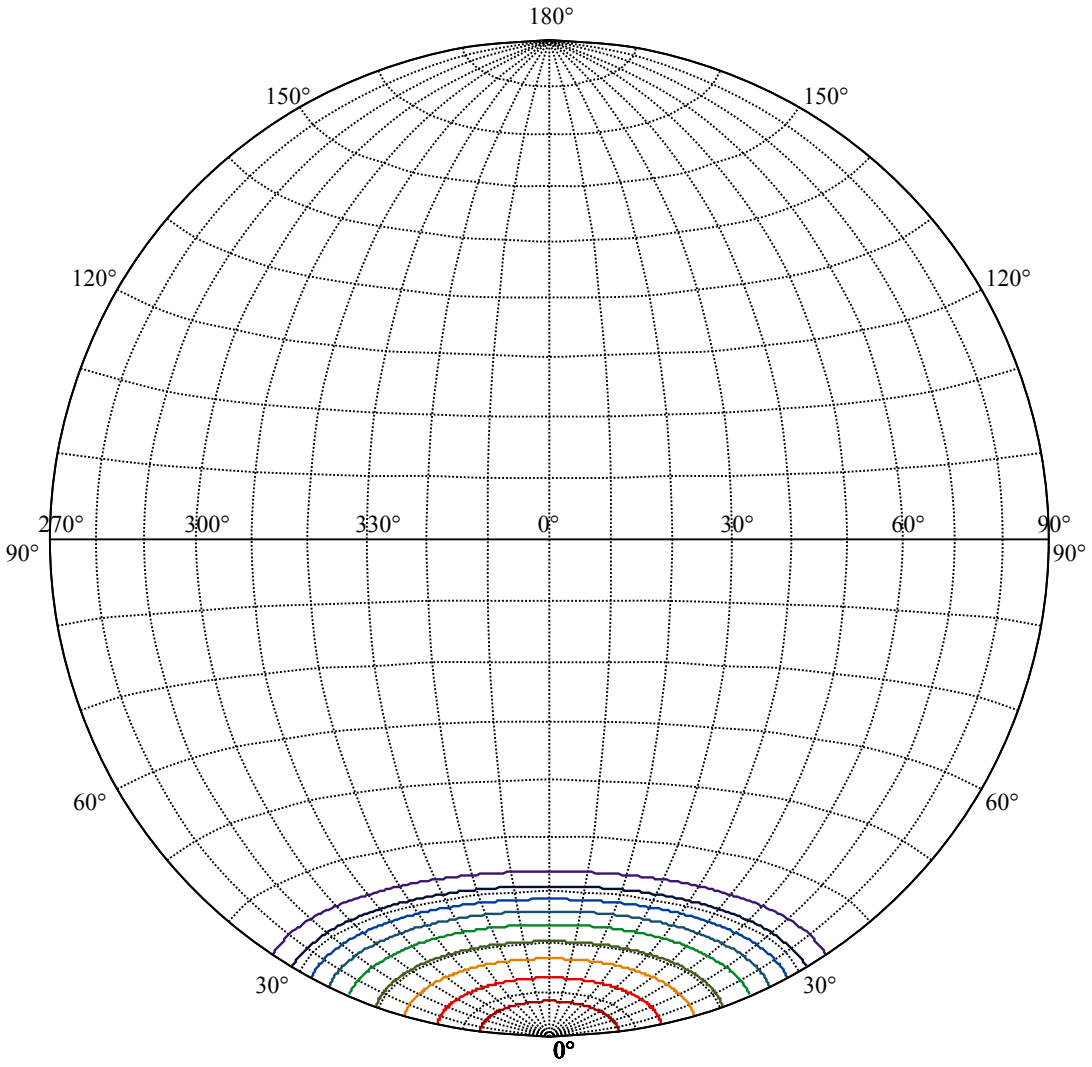
(10%Imax) 403.299
(20%Imax) 806.598
(30%Imax) 1209.9
(40%Imax) 1613.2
(50%Imax) 2016.5
(60%Imax) 2419.79
(70%Imax) 2823.09
(80%Imax) 3226.39
(90%Imax) 3629.69

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/7
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



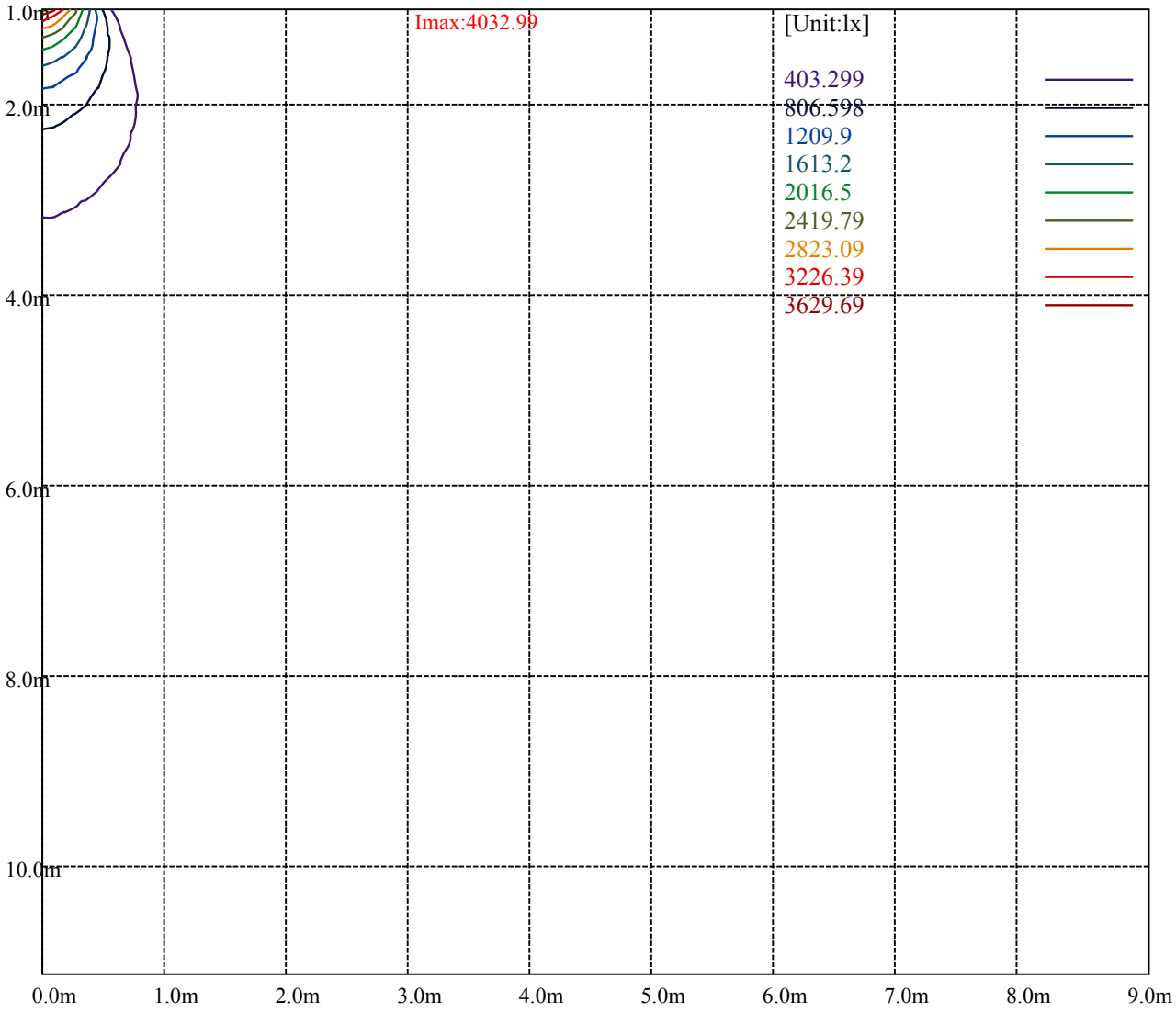
[Unit:cd]

Imax:4032.99

(10%Imax) 403.299
(20%Imax) 806.598
(30%Imax) 1209.9
(40%Imax) 1613.2
(50%Imax) 2016.5
(60%Imax) 2419.79
(70%Imax) 2823.09
(80%Imax) 3226.39
(90%Imax) 3629.69

Equipment: GMS1980	Date: 2024/8/7	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980 Date: 2024/8/7 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

NT 2-2521-L

Luminance Limitting Curve(no luminous side)

Luminance Table

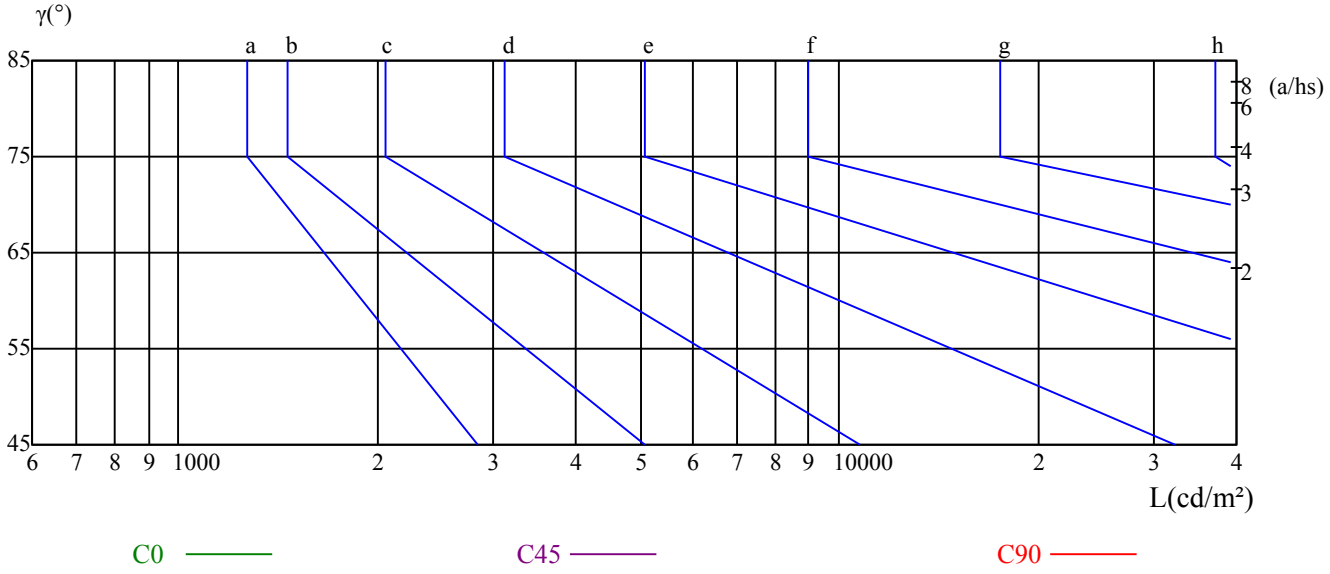
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

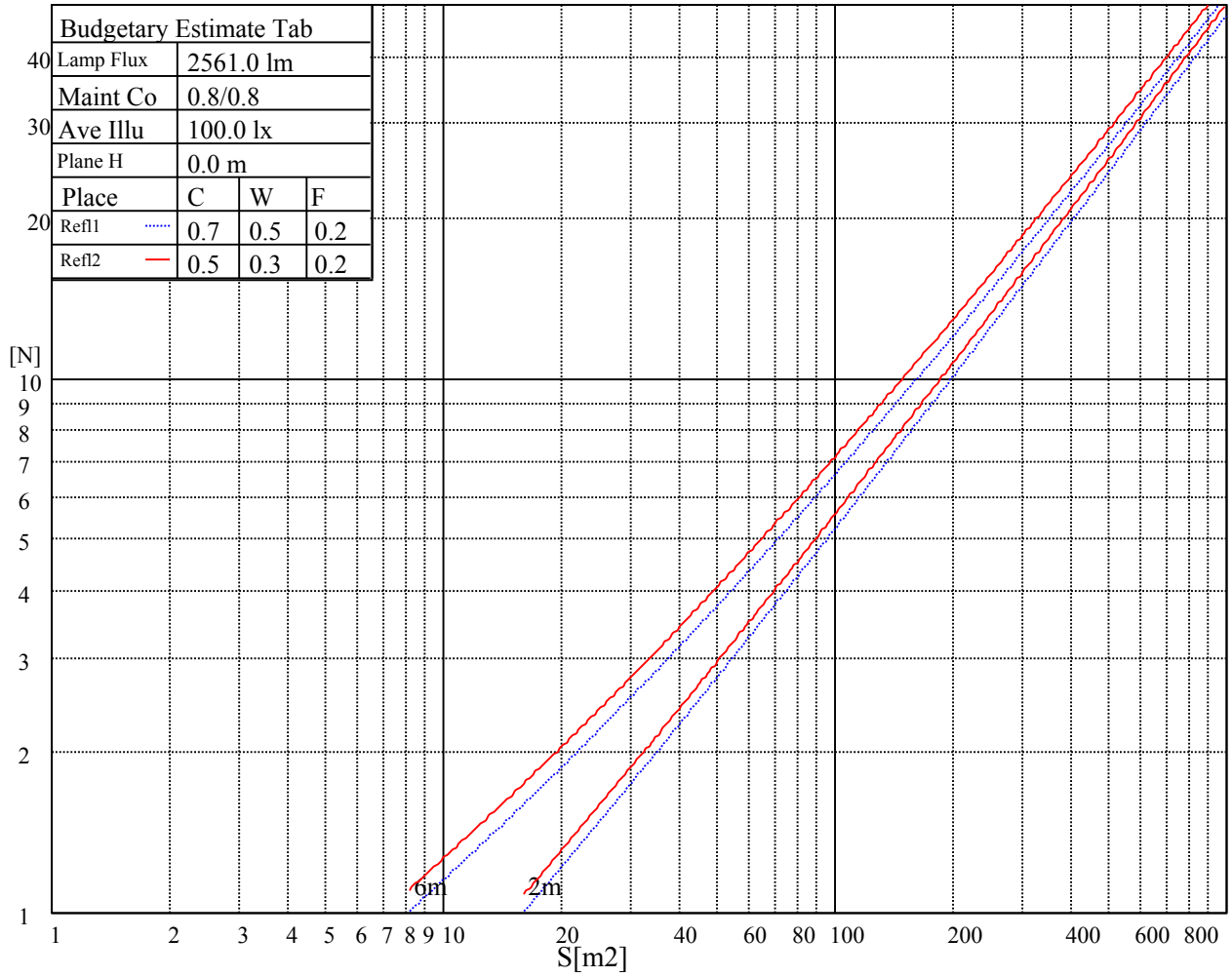
Date: 2024/8/7
Humidity(%): 60.0%

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

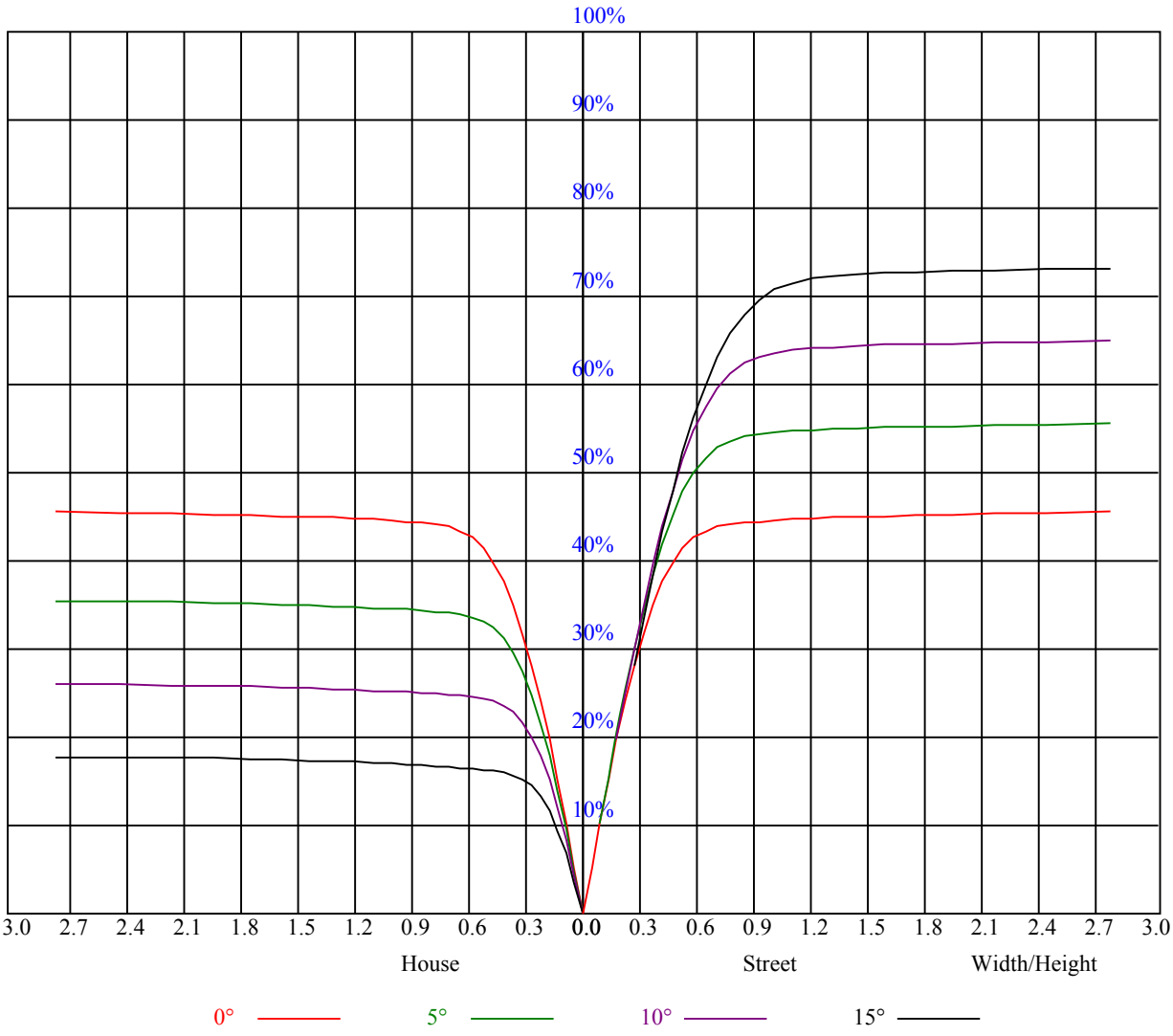


Equipment: GMS1980 Date: 2024/8/7 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

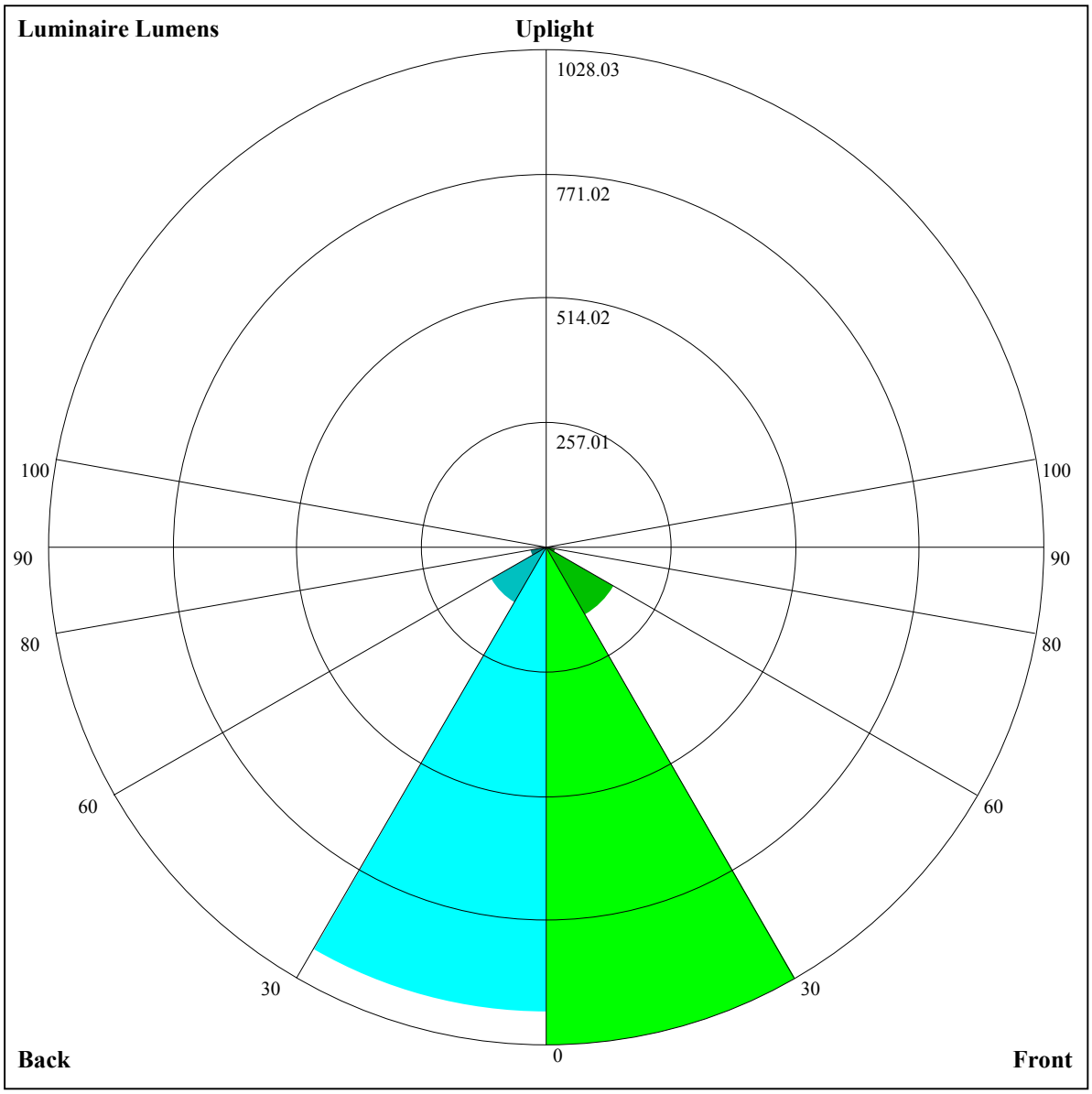
Utilization factor table for indoor luminaire

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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.90	0.90	0.89	0.88	0.86
2	0.95	0.92	0.89	0.94	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.86	0.84	0.82	0.81
3	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.79	0.77	0.76
4	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.72
5	0.80	0.75	0.71	0.79	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.68
6	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.64
7	0.72	0.67	0.63	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.58
9	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.55
10	0.63	0.58	0.54	0.62	0.58	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/7	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1028.03,FM=162.19,FH=20.84,FVH=6.72
BL=960.36,BM=133.64,BH=32.88,BVH=7.4
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	4039.87	4053.91	4062.69	4028.75	3971.40	3922.82	3853.18	3806.95	3754.86
45.0	4022.31	4028.16	4034.01	4013.53	3964.96	3899.41	3825.67	3769.49	3710.39
90.0	4021.72	3988.95	3925.16	3855.52	3796.41	3728.53	3650.69	3588.66	3523.11
135.0	4048.06	4016.46	3979.59	3925.16	3834.45	3772.42	3694.00	3625.53	3535.99
180.0	4039.87	4011.19	3960.28	3900.58	3836.79	3748.42	3681.12	3616.75	3552.96
225.0	4022.31	3974.32	3932.19	3871.32	3807.53	3725.60	3658.30	3604.46	3532.48
270.0	4021.72	4036.94	4034.60	4003.58	3960.28	3909.95	3856.69	3789.39	3722.67
315.0	4048.06	4066.20	4058.01	4037.53	3976.08	3927.50	3876.00	3808.70	3743.16
360.0	4039.87	4053.91	4062.69	4028.75	3971.40	3922.82	3853.18	3806.95	3754.86

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3675.27	3605.63	3543.60	3476.88	3362.76	3273.81	3186.02	3091.22	2967.15
45.0	3638.40	3590.41	3524.28	3432.99	3368.03	3290.19	3194.22	3111.11	2987.05
90.0	3463.42	3363.35	3276.73	3193.63	3074.25	2976.51	2879.95	2757.64	2659.32
135.0	3463.42	3397.29	3299.56	3207.68	3119.31	2998.75	2903.94	2782.80	2689.17
180.0	3474.54	3384.41	3280.24	3200.65	3116.97	3006.36	2913.89	2823.18	2696.19
225.0	3450.55	3385.00	3280.83	3197.14	3105.26	2993.48	2896.92	2789.83	2649.96
270.0	3656.54	3586.90	3500.87	3420.70	3329.40	3245.72	3153.25	3035.62	2924.43
315.0	3678.20	3575.78	3509.65	3428.89	3343.45	3228.74	3138.03	3032.11	2933.79
360.0	3675.27	3605.63	3543.60	3476.88	3362.76	3273.81	3186.02	3091.22	2967.15

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2869.42	2772.27	2627.72	2511.26	2391.29	2248.49	2129.69	2003.87	1830.64
45.0	2894.58	2785.73	2648.20	2531.16	2403.58	2263.71	2149.59	1999.77	1872.19
90.0	2525.89	2424.65	2318.13	2214.55	2112.72	1974.02	1858.15	1728.23	1583.09
135.0	2587.34	2485.51	2362.61	2260.78	2156.03	2053.61	1916.09	1789.09	1649.81
180.0	2593.78	2480.24	2370.80	2232.11	2126.18	2014.40	1895.02	1730.57	1583.68
225.0	2527.06	2404.75	2275.41	2151.93	2012.06	1893.26	1767.44	1586.02	1148.97
270.0	2791.58	2674.54	2551.05	2395.97	2281.27	2168.32	2015.57	1898.53	1779.73
315.0	2806.21	2699.70	2584.41	2449.23	2339.79	2204.60	2093.99	1971.68	1837.67
360.0	2869.42	2772.27	2627.72	2511.26	2391.29	2248.49	2129.69	2003.87	1830.64

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1672.63	1382.95	1167.11	1123.16	953.80	788.18	595.17	456.65	336.74
45.0	1720.62	1562.61	1357.78	1189.24	1020.69	855.66	666.63	527.93	405.03
90.0	1155.06	1155.06	1028.71	817.09	656.21	484.04	365.94	272.83	196.23
135.0	1489.46	1277.02	1104.96	898.38	736.86	587.04	421.42	313.15	313.15
180.0	1421.57	1218.50	1051.71	839.27	684.19	537.88	405.62	296.77	296.77
225.0	1148.97	1065.34	900.90	706.48	561.17	429.56	316.90	231.75	165.56
270.0	1639.27	1443.22	1280.53	1107.30	935.83	733.93	578.85	441.32	301.45
315.0	1656.25	1351.93	1128.43	1128.43	903.65	736.45	577.97	445.88	307.83
360.0	1672.63	1382.95	1167.11	1123.16	953.80	788.18	595.17	456.65	336.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	248.72	182.36	149.23	118.22	100.83	87.67	74.79	66.60	59.69
45.0	299.69	299.69	169.42	139.75	112.19	96.68	81.70	71.87	63.50
90.0	159.24	132.73	112.30	96.27	81.58	72.16	64.20	58.00	51.85
135.0	219.05	137.76	115.29	98.14	85.15	72.57	64.37	58.05	51.56
180.0	159.24	130.86	106.28	91.88	80.47	71.05	61.74	56.06	51.27
225.0	136.01	115.00	99.96	85.79	76.25	68.12	60.10	55.01	49.74
270.0	301.45	208.69	134.13	114.41	96.33	85.21	76.20	68.47	61.98
315.0	227.89	168.84	139.81	116.93	96.21	84.16	74.73	65.19	59.05
360.0	248.72	182.36	149.23	118.22	100.83	87.67	74.79	66.60	59.69

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	54.19	48.34	44.48	41.20	38.27	35.11	32.89	31.13	29.14
45.0	57.06	50.21	45.65	41.79	38.57	35.17	32.95	31.19	29.26
90.0	47.70	43.48	40.50	37.86	35.05	33.12	31.49	29.73	28.50
135.0	47.34	44.01	40.50	38.10	35.58	33.77	32.30	31.02	29.55
180.0	46.47	43.48	40.38	38.22	36.40	34.70	32.77	31.37	30.08
225.0	46.29	43.37	40.26	37.98	35.99	34.24	32.19	30.78	29.44
270.0	55.71	51.50	47.99	45.18	41.90	39.68	37.10	35.23	33.47
315.0	53.96	49.86	45.41	42.43	39.91	37.57	35.11	33.36	31.37
360.0	54.19	48.34	44.48	41.20	38.27	35.11	32.89	31.13	29.14

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.80	26.69	25.57	24.81	24.05	23.17	22.53	21.83	21.13
45.0	27.97	26.86	25.57	24.76	23.99	23.06	22.41	21.83	21.13
90.0	27.33	26.34	25.28	24.46	23.88	23.35	23.00	24.29	26.04
135.0	28.56	27.62	26.80	25.81	25.34	24.87	25.93	28.62	32.71
180.0	28.97	27.68	26.80	26.04	25.28	24.76	25.46	28.62	33.47
225.0	28.27	26.92	25.98	25.22	24.29	23.64	23.17	24.70	28.38
270.0	31.60	30.20	28.97	27.45	26.34	25.40	24.40	23.58	22.59
315.0	29.96	28.73	27.27	26.10	25.11	24.17	23.06	22.24	21.48
360.0	27.80	26.69	25.57	24.81	24.05	23.17	22.53	21.83	21.13

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.31	19.78	19.31	18.84	18.32	17.97	17.62	17.15	16.85
45.0	20.72	20.42	20.37	20.42	20.25	20.25	20.25	20.37	20.19
90.0	27.62	28.56	29.50	29.26	31.19	31.31	31.89	32.01	31.84
135.0	36.11	38.22	39.85	41.55	42.60	43.42	44.30	45.59	46.70
180.0	39.50	42.19	44.30	45.94	47.64	48.92	49.98	50.91	51.73
225.0	33.42	35.52	37.22	38.51	39.39	39.97	40.09	39.85	38.45
270.0	21.95	21.65	22.00	22.36	22.65	23.06	23.29	23.53	23.58
315.0	20.78	20.07	19.49	18.96	18.38	17.85	17.50	16.97	16.62
360.0	20.31	19.78	19.31	18.84	18.32	17.97	17.62	17.15	16.85

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.44	16.09	15.80	15.39	15.10	14.75	14.40	14.10	13.81
45.0	19.49	18.90	18.43	17.56	16.80	16.21	15.51	15.04	14.63
90.0	31.72	29.67	27.97	26.16	21.77	20.01	19.96	18.20	16.44
135.0	47.29	46.88	45.41	43.42	41.26	37.45	33.88	29.09	25.63
180.0	51.27	49.86	47.52	43.77	40.56	36.46	33.07	29.50	25.34
225.0	36.40	33.94	30.78	27.80	24.46	21.48	19.37	17.67	15.80
270.0	23.12	21.83	20.37	19.08	17.85	16.80	15.68	14.98	14.51
315.0	16.27	15.86	15.51	15.22	14.86	14.40	14.10	13.81	13.58
360.0	16.44	16.09	15.80	15.39	15.10	14.75	14.40	14.10	13.81

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.52	13.23	12.87	12.58	12.23	11.47	11.18	10.94	10.71
45.0	14.28	13.87	13.52	13.05	12.76	12.17	11.29	10.94	10.77
90.0	15.33	14.46	13.93	13.52	12.76	11.35	10.89	10.65	10.48
135.0	22.00	18.08	15.45	14.51	13.99	13.23	11.35	10.65	10.48
180.0	22.00	18.61	16.21	14.86	14.28	13.34	11.35	10.65	10.53
225.0	14.86	14.28	13.81	13.40	12.76	11.06	10.71	10.53	10.53
270.0	14.16	13.81	13.34	12.93	12.58	11.65	11.00	10.71	10.53
315.0	13.23	12.87	12.52	12.17	11.70	11.06	10.89	10.65	10.48
360.0	13.52	13.23	12.87	12.58	12.23	11.47	11.18	10.94	10.71

Intensity data(cd)

C/γ(°)	90.0
0.0	10.65
45.0	10.59
90.0	10.48
135.0	10.48
180.0	10.48
225.0	10.53
270.0	10.48
315.0	10.42
360.0	10.65