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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2760-L
Luminaire: 92.70.412.00
Report No: 2024807-B003
Ballast type: AC

Test No: 2024807-C003	Voltage(V): 35.020
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2561.0	Power (W): 15.759
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2419.30, Efficiency(%): 94.47% , Luminous Efficacy(lm/W): 153.52
Central intensity(cd): 3585.586, Maximum intensity(cd): 3590.999
Angle of maximum intensity: C=0.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=50.0
[C90/270]Total=50.0
Field angle(10%Imax): [C0/180]Total=72.6
[C90/270]Total=72.6
Maximum s/h(1/2): C0_180=0.80 C90_270=0.80
Maximum s/h(1/4): C0_180=0.75 C90_270=0.75
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.47%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.089%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3585.586	0.000	0	0.00%	0.00%
1.0	3589.170	3.433	3.433	0.13%	0.14%
2.0	3590.999	10.306	13.739	0.40%	0.57%
3.0	3586.025	17.165	30.904	0.67%	1.28%
4.0	3584.562	24.002	54.906	0.94%	2.27%
5.0	3576.295	30.806	85.712	1.20%	3.54%
6.0	3562.104	37.514	123.226	1.46%	5.09%
7.0	3545.644	44.118	167.343	1.72%	6.92%
8.0	3525.820	50.609	217.953	1.98%	9.01%
9.0	3483.464	56.806	274.759	2.22%	11.36%
10.0	3432.111	62.583	337.342	2.44%	13.94%
11.0	3377.904	68.046	405.388	2.66%	16.76%
12.0	3307.823	73.085	478.473	2.85%	19.78%
13.0	3226.184	77.542	556.015	3.03%	22.98%
14.0	3138.986	81.474	637.489	3.18%	26.35%
15.0	3044.253	84.886	722.375	3.31%	29.86%
16.0	2939.863	87.684	810.059	3.42%	33.48%
17.0	2815.210	89.622	899.681	3.50%	37.19%
18.0	2693.630	90.829	990.51	3.55%	40.94%
19.0	2579.657	91.744	1082.254	3.58%	44.73%
20.0	2462.832	92.292	1174.546	3.60%	48.55%
21.0	2333.351	92.096	1266.642	3.60%	52.36%
22.0	2202.772	91.155	1357.798	3.56%	56.12%
23.0	2071.389	89.683	1447.481	3.50%	59.83%
24.0	1930.496	87.496	1534.977	3.42%	63.45%
25.0	1794.212	84.692	1619.668	3.31%	66.95%
26.0	1631.373	80.861	1700.53	3.16%	70.29%
27.0	1475.418	76.008	1776.538	2.97%	73.43%
28.0	1310.099	70.523	1847.061	2.75%	76.35%
29.0	1201.006	65.698	1912.759	2.57%	79.06%
30.0	1058.372	61.003	1973.762	2.38%	81.58%
31.0	919.425	55.039	2028.801	2.15%	83.86%
32.0	778.137	48.633	2077.434	1.90%	85.87%
33.0	651.231	42.110	2119.544	1.64%	87.61%
34.0	541.648	36.100	2155.644	1.41%	89.10%
35.0	452.913	30.887	2186.531	1.21%	90.38%
36.0	380.316	26.530	2213.062	1.04%	91.48%
37.0	315.275	22.686	2235.748	0.89%	92.41%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	267.536	19.453	2255.201	0.76%	93.22%
39.0	241.727	17.383	2272.584	0.68%	93.94%
40.0	190.381	15.070	2287.654	0.59%	94.56%
41.0	144.653	11.930	2299.585	0.47%	95.05%
42.0	118.259	9.552	2309.137	0.37%	95.45%
43.0	96.767	7.965	2317.102	0.31%	95.78%
44.0	80.527	6.692	2323.793	0.26%	96.05%
45.0	67.681	5.696	2329.489	0.22%	96.29%
46.0	57.184	4.883	2334.372	0.19%	96.49%
47.0	49.686	4.250	2338.623	0.17%	96.67%
48.0	44.163	3.794	2342.417	0.15%	96.82%
49.0	39.825	3.449	2345.866	0.13%	96.96%
50.0	36.101	3.166	2349.031	0.12%	97.10%
51.0	33.277	2.935	2351.967	0.11%	97.22%
52.0	31.075	2.761	2354.728	0.11%	97.33%
53.0	29.217	2.623	2357.351	0.10%	97.44%
54.0	27.484	2.499	2359.85	0.10%	97.54%
55.0	26.072	2.391	2362.241	0.09%	97.64%
56.0	24.835	2.300	2364.541	0.09%	97.74%
57.0	23.804	2.224	2366.765	0.09%	97.83%
58.0	22.860	2.158	2368.923	0.08%	97.92%
59.0	22.034	2.099	2371.022	0.08%	98.00%
60.0	21.317	2.048	2373.07	0.08%	98.09%
61.0	20.636	2.002	2375.072	0.08%	98.17%
62.0	20.022	1.959	2377.031	0.08%	98.25%
63.0	19.459	1.920	2378.951	0.07%	98.33%
64.0	18.954	1.885	2380.836	0.07%	98.41%
65.0	18.493	1.853	2382.689	0.07%	98.49%
66.0	18.047	1.823	2384.512	0.07%	98.56%
67.0	17.579	1.791	2386.304	0.07%	98.64%
68.0	17.191	1.761	2388.065	0.07%	98.71%
69.0	16.789	1.733	2389.798	0.07%	98.78%
70.0	16.401	1.705	2391.503	0.07%	98.85%
71.0	16.021	1.676	2393.179	0.07%	98.92%
72.0	15.647	1.647	2394.825	0.06%	98.99%
73.0	15.289	1.618	2396.443	0.06%	99.06%
74.0	14.938	1.589	2398.032	0.06%	99.12%
75.0	14.594	1.560	2399.593	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.243	1.531	2401.123	0.06%	99.25%
77.0	13.906	1.501	2402.624	0.06%	99.31%
78.0	13.541	1.469	2404.093	0.06%	99.37%
79.0	13.168	1.435	2405.528	0.06%	99.43%
80.0	12.794	1.400	2406.928	0.05%	99.49%
81.0	12.458	1.366	2408.294	0.05%	99.55%
82.0	12.100	1.332	2409.625	0.05%	99.60%
83.0	11.785	1.298	2410.924	0.05%	99.65%
84.0	11.500	1.269	2412.192	0.05%	99.71%
85.0	11.207	1.239	2413.432	0.05%	99.76%
86.0	10.995	1.214	2414.645	0.05%	99.81%
87.0	10.783	1.192	2415.837	0.05%	99.86%
88.0	10.571	1.170	2417.007	0.05%	99.91%
89.0	10.410	1.150	2418.157	0.04%	99.95%
90.0	10.366	1.139	2419.296	0.04%	100.00%

Zonal flux distribution table

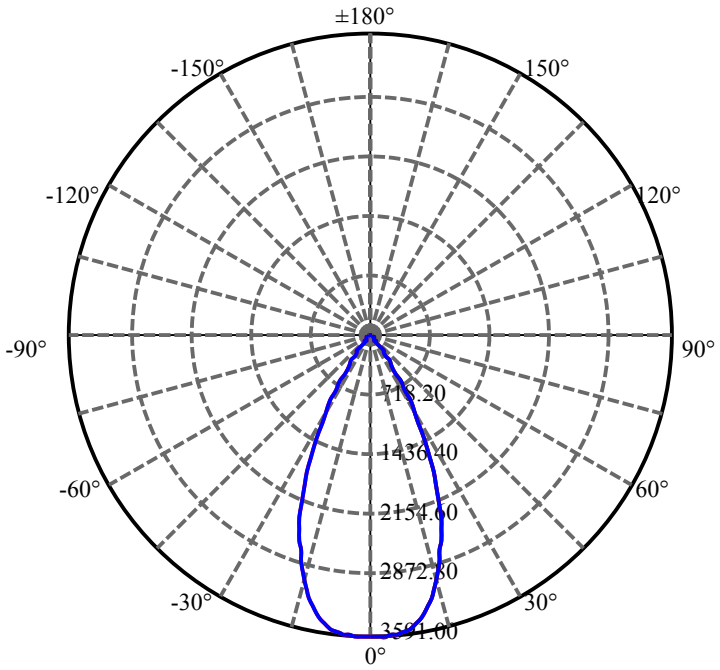
ZONAL LUMEN SUMMARY

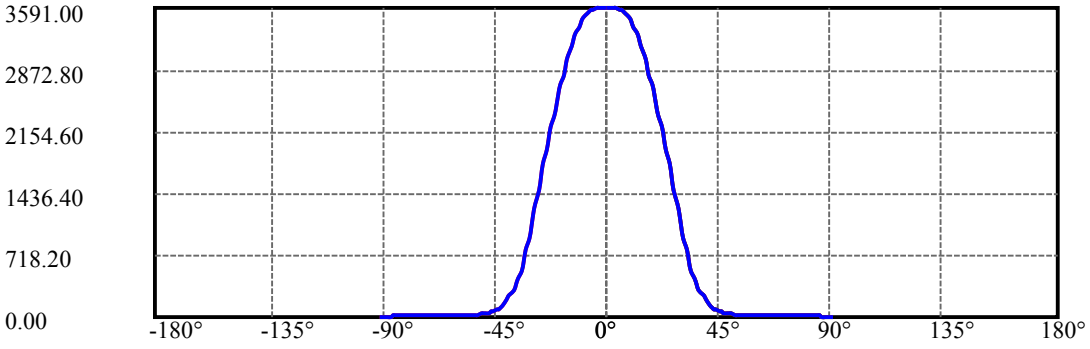
Zone	Lumens	%Lamp	%Fixt
0-30	1973.76	77.07%	81.58%
0-40	2287.65	89.33%	94.56%
0-60	2373.07	92.66%	98.09%
0-90	2418.16	94.42%	99.95%
0-120	2418.16	94.42%	99.95%
0-180	2419.30	94.47%	100.00%
60-90	45.09	1.76%	1.86%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.37	1935.44	75.57%	80.00%

ZONAL LUMEN SUMMARY

0-10	337.34
10-20	837.20
20-30	799.22
30-40	313.89
40-50	61.38
50-60	24.04
60-70	18.43
70-80	15.43
80-90	11.23
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:

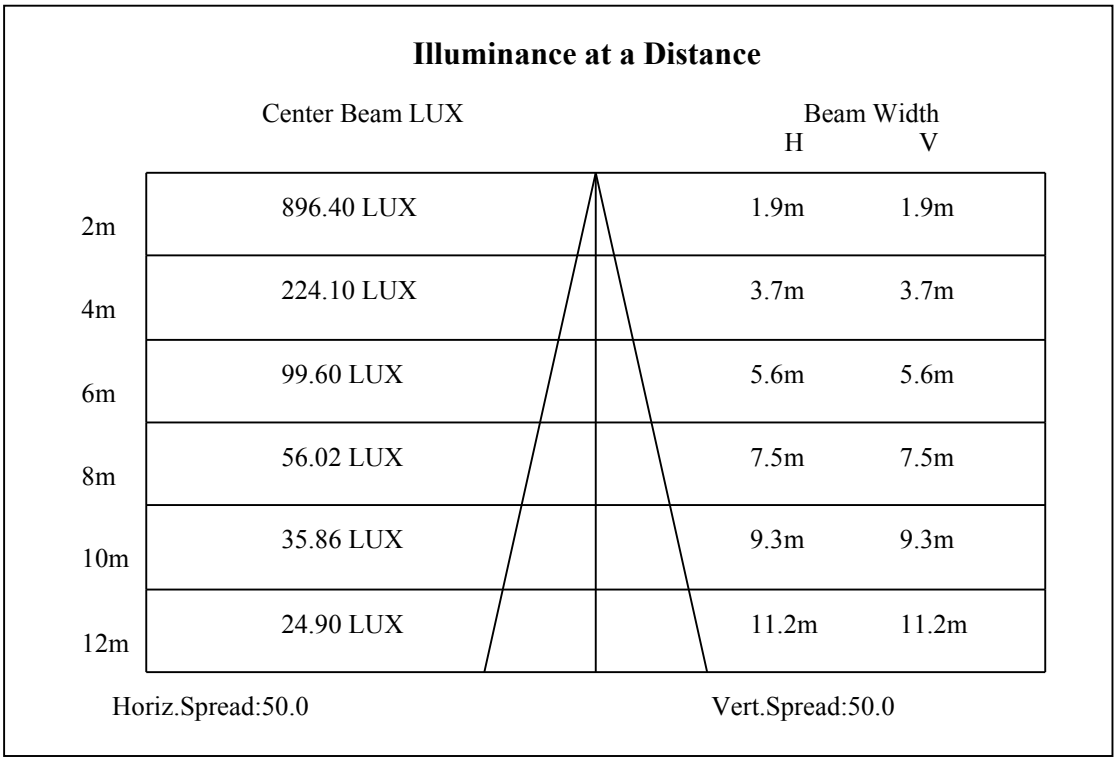
C90/C270:

Field angle(10%Imax):C0/180Left:38.3 Right:34.3
:C90/270Left:38.3 Right:34.3

Beam Angle(50%Imax):C0/180Left:27.0 Right:23.0
:C90/270Left:27.0 Right:23.0

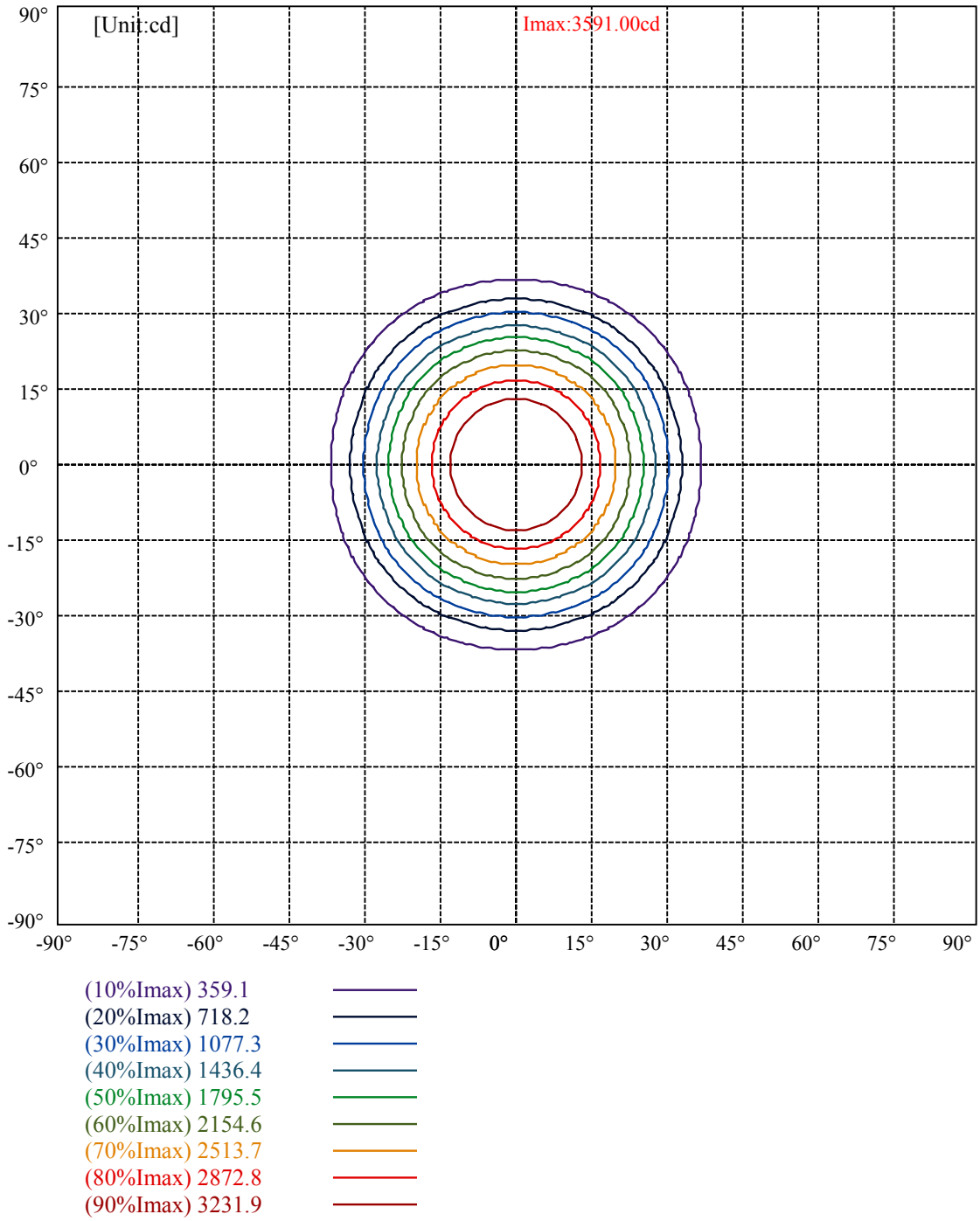
Equipment: GMS1980	Date: 2024/8/7	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



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

ISO-Intensity(V-H)



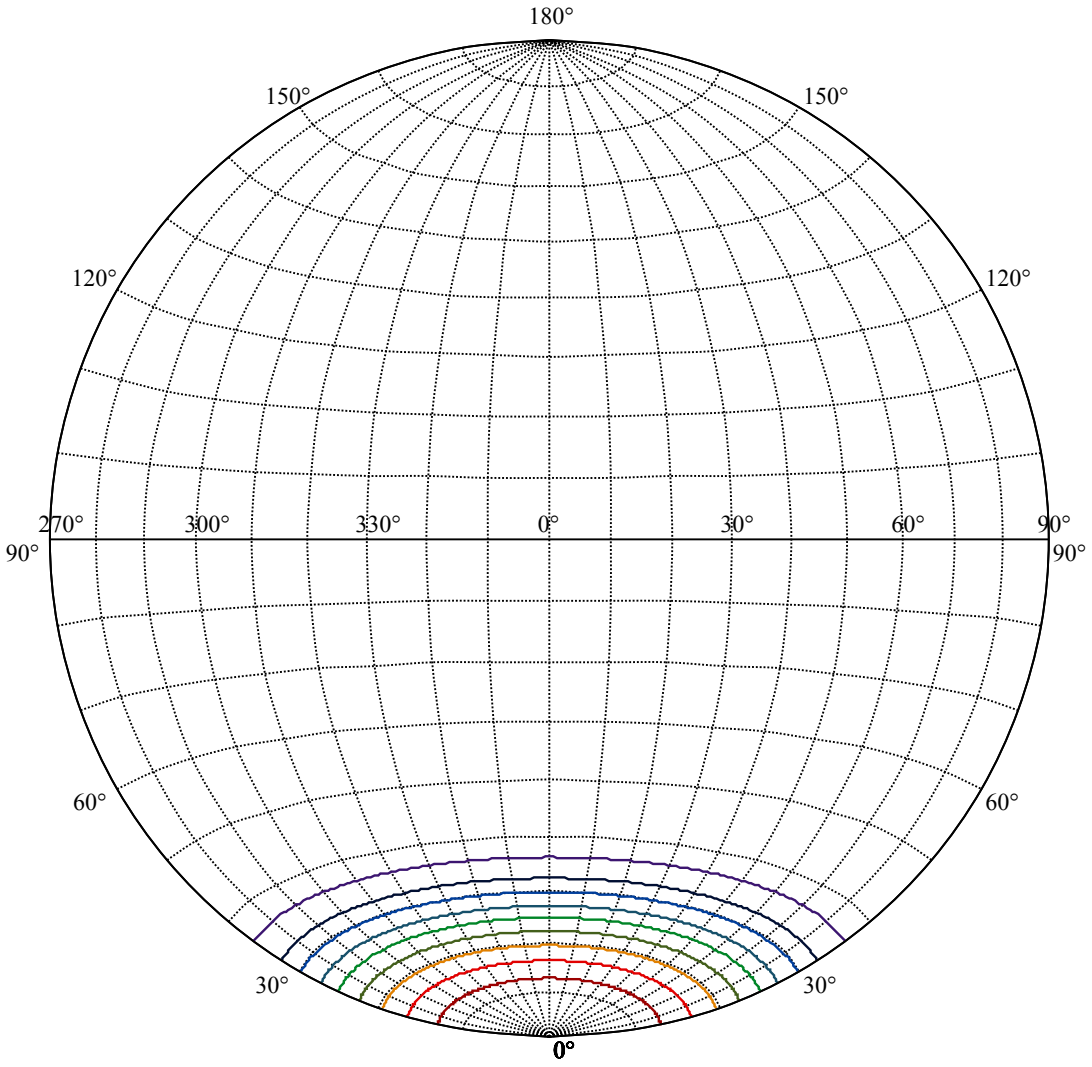
(10%Imax) 359.1
(20%Imax) 718.2
(30%Imax) 1077.3
(40%Imax) 1436.4
(50%Imax) 1795.5
(60%Imax) 2154.6
(70%Imax) 2513.7
(80%Imax) 2872.8
(90%Imax) 3231.9

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:3591.00

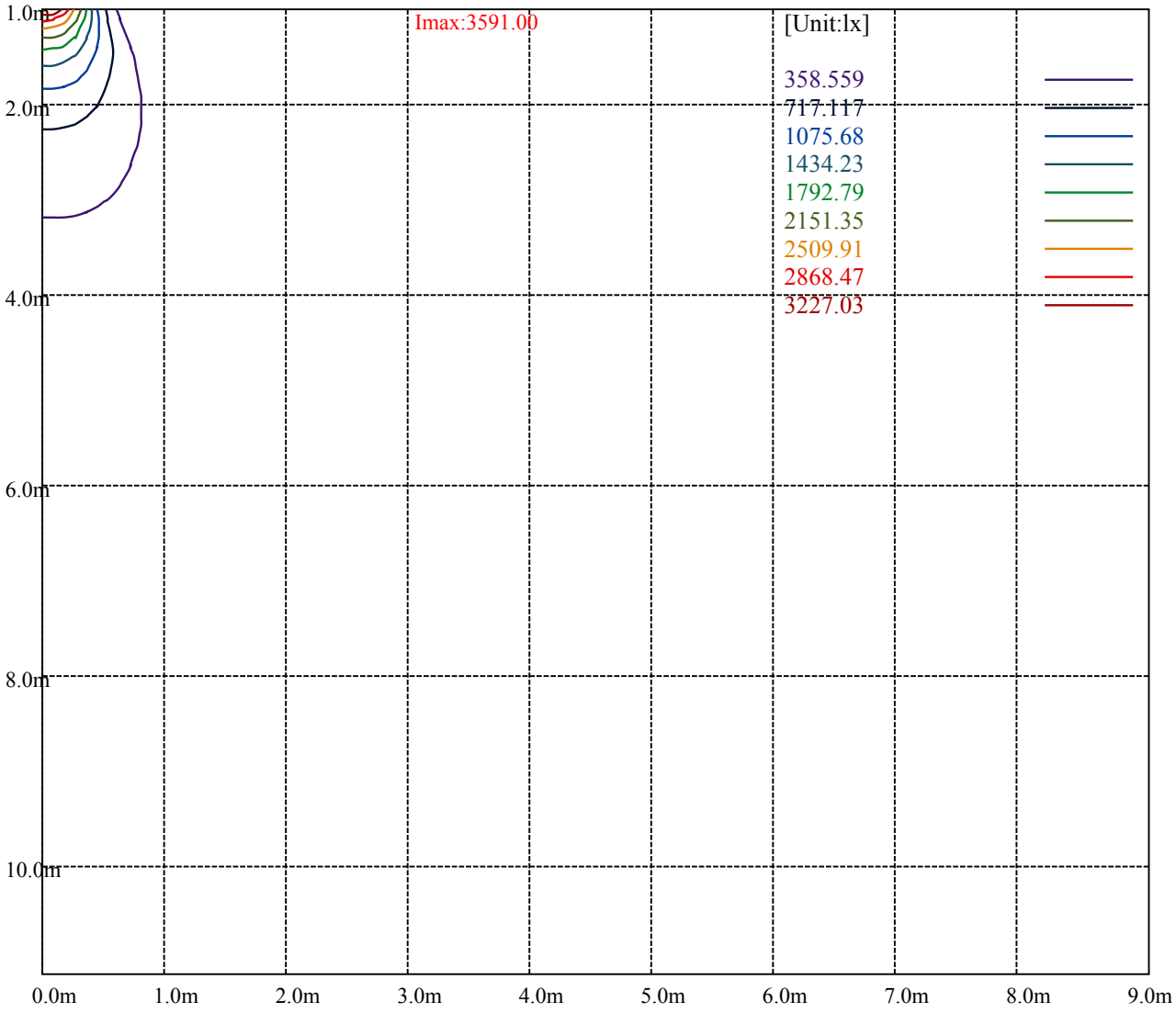
(10%Imax) 359.1
(20%Imax) 718.2
(30%Imax) 1077.3
(40%Imax) 1436.4
(50%Imax) 1795.5
(60%Imax) 2154.6
(70%Imax) 2513.7
(80%Imax) 2872.8
(90%Imax) 3231.9

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 2-2760-L

Luminance Limitting Curve(no luminous side)

Luminance Table

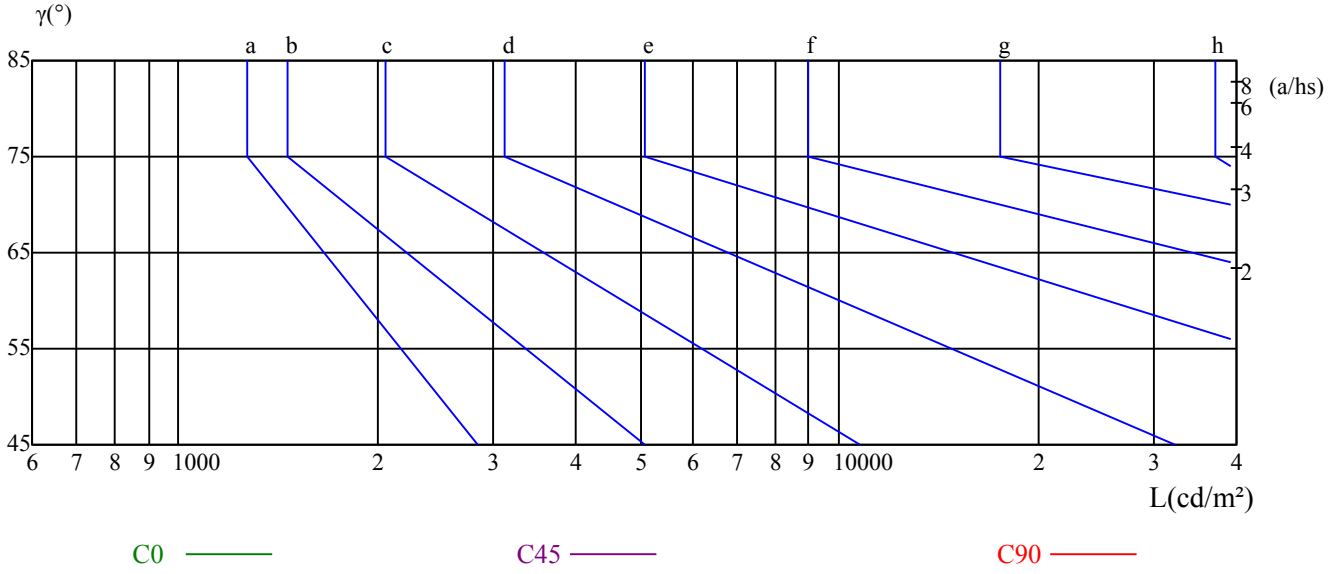
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

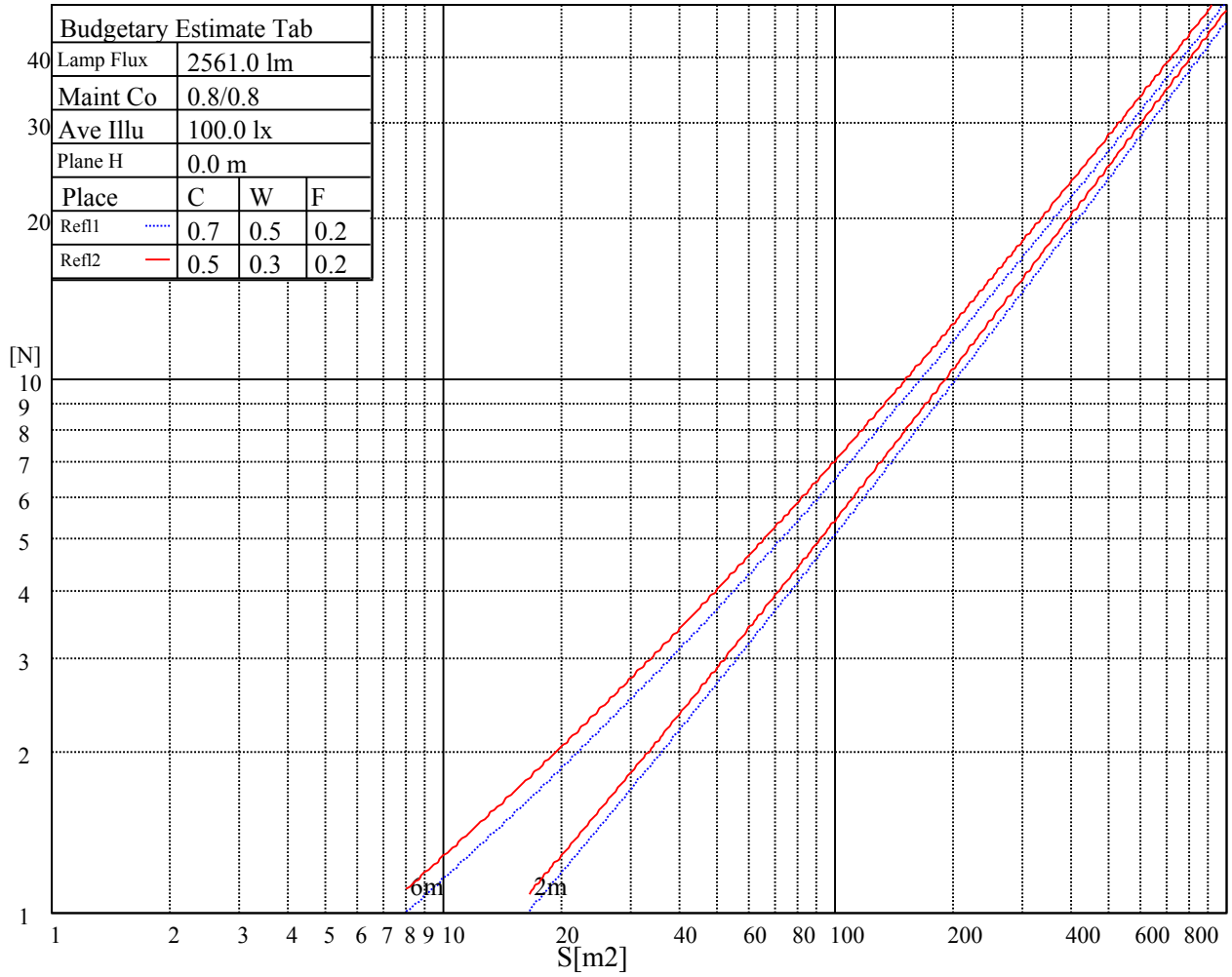
Date: 2024/8/7
Humidity(%): 60.0%

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

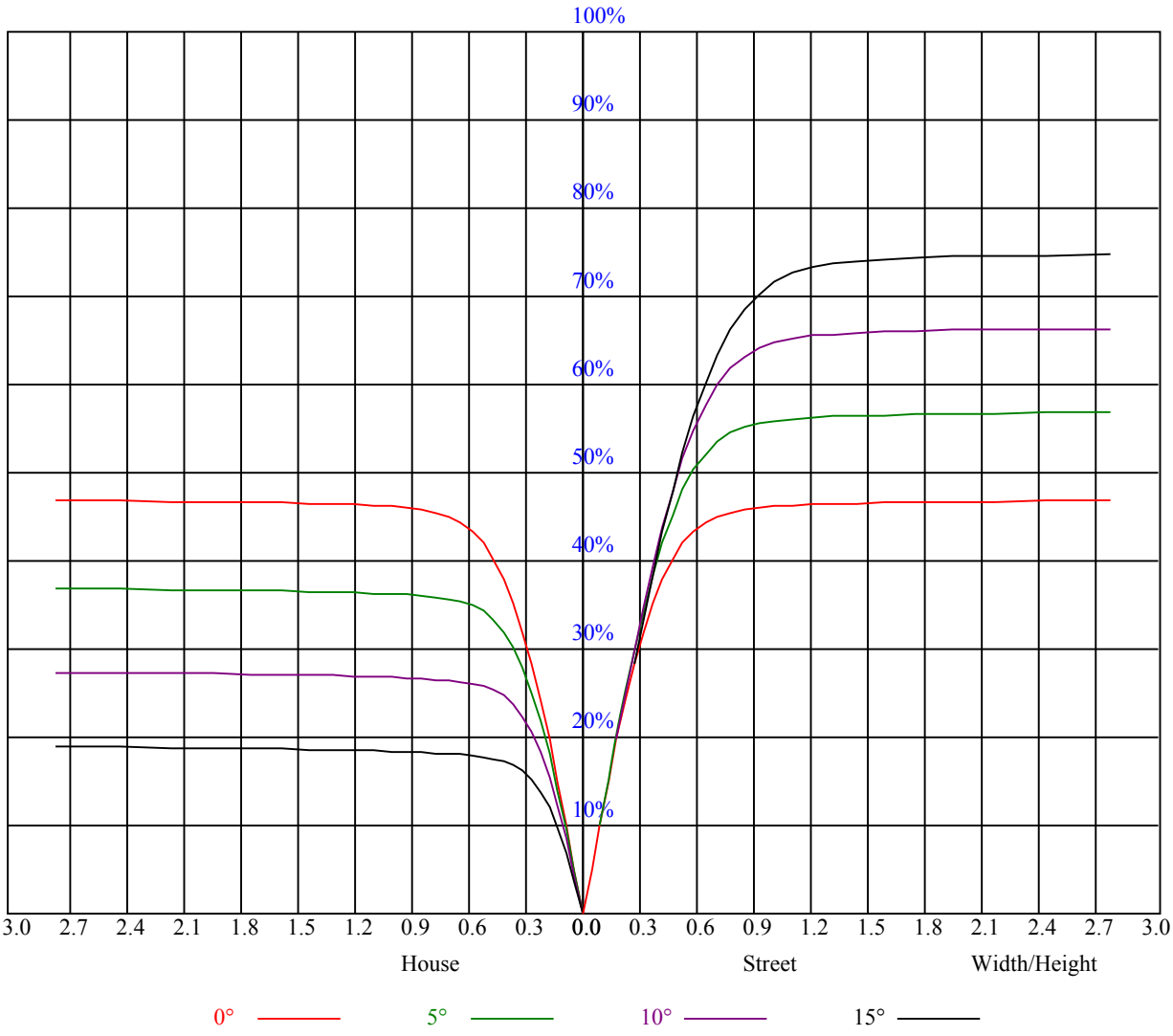


Equipment: GMS1980 Date: 2024/8/7 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

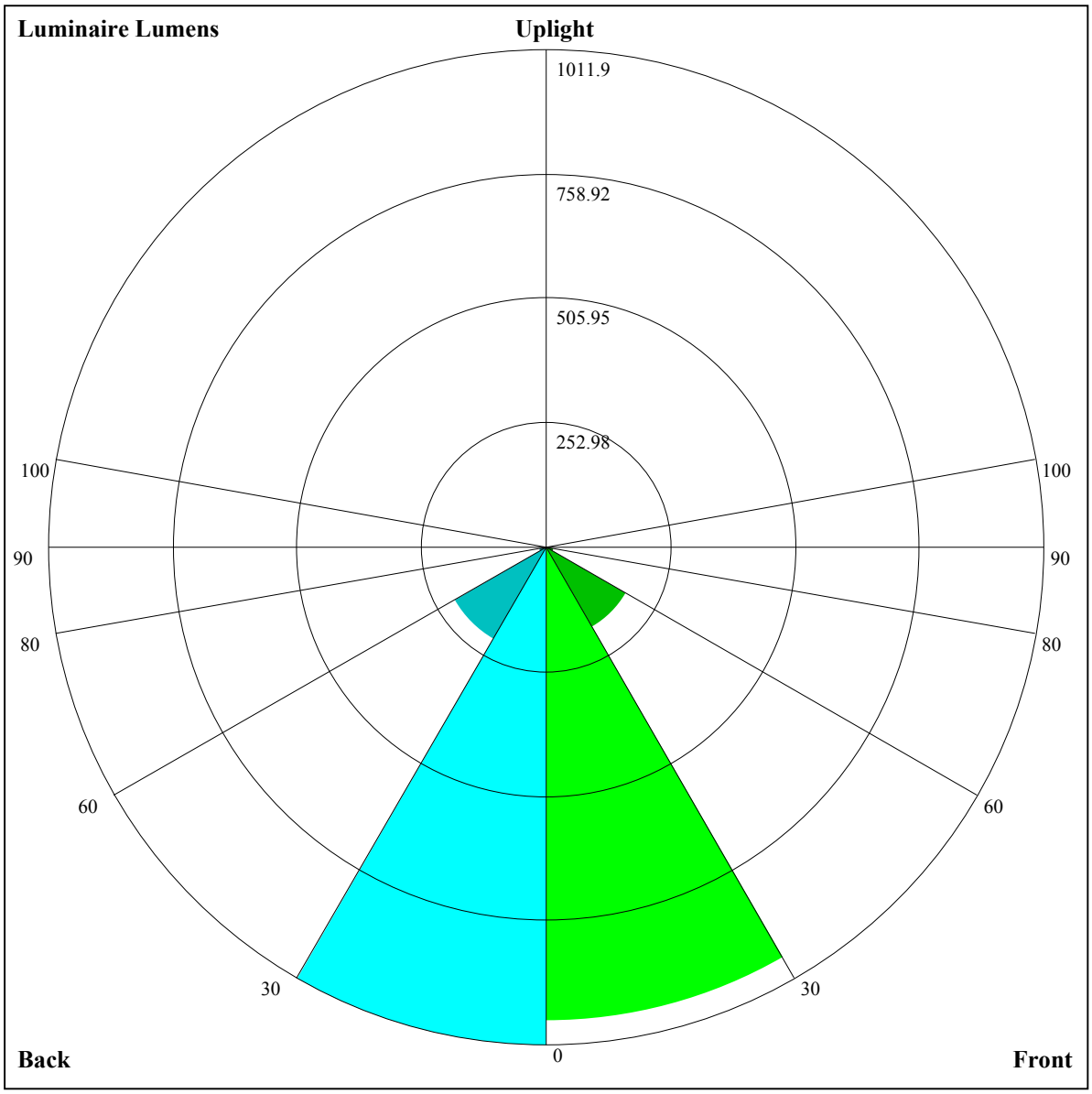
Utilization factor table for indoor luminaire

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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.84	0.91	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.78
4	0.87	0.82	0.78	0.86	0.81	0.77	0.84	0.80	0.77	0.82	0.78	0.76	0.80	0.77	0.75	0.73
5	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.68	0.77	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.65
7	0.73	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.62
8	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.54	0.61	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=962.58,FM=187.48,FH=16.78,FVH=6.14
BL=1011.9,BM=214.83,BH=17.03,BVH=6.23
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	3581.05	3576.37	3562.32	3538.91	3535.40	3500.87	3476.30	3440.60	3403.14
45.0	3588.66	3582.81	3590.41	3583.98	3568.18	3571.10	3548.86	3538.33	3516.68
90.0	3591.58	3600.95	3605.04	3606.21	3614.99	3594.51	3593.34	3588.66	3562.91
135.0	3581.05	3591.58	3609.73	3618.50	3623.19	3643.67	3627.28	3612.65	3607.39
180.0	3581.05	3589.24	3602.12	3616.75	3630.79	3636.06	3626.11	3611.48	3612.07
225.0	3588.66	3603.29	3609.14	3607.39	3609.14	3595.68	3594.51	3584.56	3558.81
270.0	3591.58	3588.07	3595.10	3581.64	3565.25	3570.52	3550.03	3536.57	3525.45
315.0	3581.05	3581.05	3554.13	3534.82	3529.55	3497.95	3480.39	3452.30	3420.11
360.0	3581.05	3576.37	3562.32	3538.91	3535.40	3500.87	3476.30	3440.60	3403.14

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3352.23	3273.22	3199.48	3125.16	3018.06	2929.69	2836.64	2732.47	2600.80
45.0	3487.41	3437.08	3387.93	3314.77	3252.15	3173.73	3083.02	2973.59	2867.66
90.0	3507.31	3461.66	3406.07	3339.35	3241.62	3152.08	3051.42	2944.33	2798.60
135.0	3574.61	3531.89	3490.93	3421.28	3353.40	3274.98	3184.27	3063.71	2951.93
180.0	3587.49	3530.14	3488.58	3429.48	3346.96	3265.03	3176.66	3081.85	2937.30
225.0	3517.26	3473.37	3434.16	3351.06	3274.98	3190.12	3068.39	2962.47	2846.01
270.0	3490.93	3455.23	3400.22	3348.72	3273.22	3187.19	3104.09	3015.72	2878.78
315.0	3350.47	3294.29	3215.87	3132.77	3049.08	2939.06	2849.52	2744.76	2640.59
360.0	3352.23	3273.22	3199.48	3125.16	3018.06	2929.69	2836.64	2732.47	2600.80

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2493.70	2391.87	2285.95	2143.15	2022.60	1893.26	1731.15	1595.97	1333.20
45.0	2751.79	2624.21	2520.04	2415.28	2276.58	2158.37	2002.70	1876.88	1747.54
90.0	2686.24	2575.63	2436.94	2327.50	2202.85	2046.59	1914.33	1781.48	1617.04
135.0	2829.04	2711.41	2599.63	2456.83	2347.98	2204.60	2081.12	1956.47	1799.04
180.0	2823.18	2704.38	2583.24	2437.52	2323.99	2207.53	2053.03	1933.64	1774.46
225.0	2695.60	2579.15	2456.83	2334.52	2177.10	2048.35	1916.09	1788.51	1627.57
270.0	2766.42	2656.39	2538.76	2388.36	2264.29	2136.71	2004.45	1844.10	1710.09
315.0	2503.07	2394.21	2281.27	2163.64	2006.80	1875.70	1741.10	1576.65	1442.05
360.0	2493.70	2391.87	2285.95	2143.15	2022.60	1893.26	1731.15	1595.97	1333.20

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1163.19	1163.19	1032.98	865.37	738.55	622.74	524.95	425.87	358.98
45.0	1610.01	1435.62	1294.58	1156.46	1012.50	838.69	712.86	602.84	510.37
90.0	1486.53	1140.02	1140.02	1035.09	895.45	763.19	643.69	518.28	436.17
135.0	1671.46	1535.10	1365.97	1230.20	1093.26	951.05	781.33	661.95	557.19
180.0	1653.32	1518.13	1354.27	1212.64	1065.75	918.28	754.41	635.03	537.88
225.0	1495.31	1142.53	1142.53	1035.38	894.46	729.89	615.66	520.85	420.78
270.0	1581.92	1404.60	1271.75	1093.26	944.61	804.74	676.58	546.07	462.39
315.0	1141.60	1141.60	1005.94	838.57	710.81	596.52	500.37	422.30	339.55
360.0	1163.19	1163.19	1032.98	865.37	738.55	622.74	524.95	425.87	358.98

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	301.80	255.51	205.88	171.59	142.74	113.12	93.58	78.13	63.79
45.0	415.57	352.95	297.35	297.35	195.52	154.15	127.34	105.57	87.73
90.0	367.81	297.29	250.07	208.81	166.15	137.53	108.27	89.83	75.03
135.0	471.16	381.63	321.93	295.60	295.60	181.13	152.39	123.31	103.99
180.0	455.95	369.92	314.32	301.45	244.92	176.21	147.77	118.74	100.31
225.0	353.71	295.77	246.96	195.87	161.93	133.43	109.91	86.55	71.92
270.0	391.57	330.13	303.21	303.21	183.70	151.87	119.80	99.02	81.76
315.0	284.95	239.01	200.56	159.94	132.49	109.79	87.02	72.98	59.69
360.0	301.80	255.51	205.88	171.59	142.74	113.12	93.58	78.13	63.79

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	55.36	48.75	42.72	39.09	36.17	33.59	31.08	29.32	27.80
45.0	70.75	60.16	52.38	46.17	40.50	37.04	34.24	31.95	29.67
90.0	63.44	52.90	46.76	42.14	38.45	34.76	32.42	30.43	28.73
135.0	88.08	72.10	61.98	53.96	47.52	41.20	37.51	34.59	32.36
180.0	85.03	69.88	60.22	52.38	46.23	40.44	36.93	34.18	31.84
225.0	60.86	50.91	45.12	39.68	36.46	33.83	31.60	29.32	27.74
270.0	65.72	56.42	47.58	42.43	38.57	35.58	32.48	30.49	28.73
315.0	52.20	46.35	40.73	37.45	34.70	32.36	29.96	28.32	26.86
360.0	55.36	48.75	42.72	39.09	36.17	33.59	31.08	29.32	27.80

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.16	25.05	24.05	23.00	22.24	21.59	20.83	20.25	19.78
45.0	28.09	26.39	25.28	24.29	23.17	22.36	21.65	21.01	20.31
90.0	26.86	25.57	24.23	23.23	22.41	21.54	20.83	20.25	19.72
135.0	29.90	28.27	26.51	25.34	24.23	23.12	22.36	21.54	20.78
180.0	29.50	27.97	26.57	25.16	24.17	23.23	22.30	21.54	20.78
225.0	26.45	25.28	23.99	23.17	22.36	21.48	20.89	20.25	19.61
270.0	27.27	25.69	24.64	23.64	22.59	21.89	21.19	20.42	19.90
315.0	25.63	24.35	23.41	22.59	21.71	21.07	20.48	19.84	19.31
360.0	26.16	25.05	24.05	23.00	22.24	21.59	20.83	20.25	19.78

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.14	18.73	18.32	17.85	17.38	16.97	16.62	16.27	15.80
45.0	19.78	19.31	18.84	18.26	17.85	17.50	17.03	16.62	16.33
90.0	19.25	18.67	18.20	17.79	17.32	16.97	16.50	16.15	15.86
135.0	20.13	19.61	19.14	18.67	18.14	17.73	17.38	16.85	16.50
180.0	20.13	19.61	19.08	18.61	18.02	17.67	17.26	16.85	16.39
225.0	19.08	18.61	18.14	17.73	17.32	16.97	16.50	16.15	15.80
270.0	19.43	18.79	18.38	17.97	17.44	17.03	16.68	16.33	15.86
315.0	18.73	18.32	17.85	17.50	17.15	16.68	16.33	15.98	15.63
360.0	19.14	18.73	18.32	17.85	17.38	16.97	16.62	16.27	15.80

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.45	15.16	14.69	14.40	13.99	13.69	13.28	12.93	12.52
45.0	15.86	15.51	15.10	14.81	14.46	14.16	13.75	13.34	13.05
90.0	15.51	15.10	14.81	14.46	14.16	13.81	13.46	13.11	12.70
135.0	16.15	15.68	15.33	14.98	14.63	14.34	14.05	13.58	13.23
180.0	16.04	15.68	15.27	14.98	14.57	14.22	13.93	13.58	13.11
225.0	15.45	15.04	14.81	14.46	14.05	13.75	13.28	12.93	12.64
270.0	15.51	15.22	14.92	14.51	14.22	13.81	13.52	13.11	12.76
315.0	15.22	14.92	14.57	14.16	13.87	13.46	13.05	12.76	12.35
360.0	15.45	15.16	14.69	14.40	13.99	13.69	13.28	12.93	12.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.17	11.82	11.59	11.29	11.06	10.83	10.65	10.48	10.36
45.0	12.70	12.35	11.94	11.65	11.29	11.00	10.83	10.59	10.42
90.0	12.41	12.00	11.70	11.41	11.12	10.94	10.71	10.53	10.36
135.0	12.93	12.52	12.17	11.82	11.47	11.29	11.06	10.83	10.59
180.0	12.76	12.41	12.06	11.76	11.47	11.24	11.00	10.77	10.53
225.0	12.23	11.94	11.65	11.41	11.12	10.94	10.71	10.48	10.36
270.0	12.41	12.06	11.70	11.47	11.18	11.00	10.77	10.53	10.30
315.0	12.06	11.70	11.47	11.18	10.94	10.71	10.53	10.36	10.36
360.0	12.17	11.82	11.59	11.29	11.06	10.83	10.65	10.48	10.36

Intensity data(cd)

C/γ(°)	90.0
0.0	10.36
45.0	10.30
90.0	10.30
135.0	10.42
180.0	10.36
225.0	10.42
270.0	10.42
315.0	10.36
360.0	10.36