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NT

Client:
LumCAT: 2-2763-L
Luminaire: 92.70.412.00
Report No: 2024806-B018
Ballast type: AC

Test No: 2024806-C018	Voltage(V): 34.970
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2571.0	Power (W): 15.736
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2436.08, Efficiency(%): 94.75% , Luminous Efficacy(lm/W): 154.81
Central intensity(cd): 3645.864, Maximum intensity(cd): 3646.230
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=49.6
[C90/270]Total=49.6
Field angle(10%Imax): [C0/180]Total=73.0
[C90/270]Total=73.0
Maximum s/h(1/2): C0_180=0.79 C90_270=0.79
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(%): 94.75%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.978%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3645.864	0.000	0	0.00%	0.00%
1.0	3646.230	3.489	3.489	0.14%	0.14%
2.0	3641.328	10.460	13.949	0.41%	0.57%
3.0	3634.013	17.400	31.349	0.68%	1.29%
4.0	3619.309	24.279	55.628	0.94%	2.28%
5.0	3601.021	31.061	86.69	1.21%	3.56%
6.0	3579.953	37.738	124.428	1.47%	5.11%
7.0	3551.058	44.262	168.69	1.72%	6.92%
8.0	3518.651	50.597	219.286	1.97%	9.00%
9.0	3465.468	56.602	275.889	2.20%	11.33%
10.0	3411.701	62.236	338.125	2.42%	13.88%
11.0	3344.107	67.504	405.629	2.63%	16.65%
12.0	3268.248	72.283	477.912	2.81%	19.62%
13.0	3180.903	76.535	554.447	2.98%	22.76%
14.0	3089.242	80.257	634.704	3.12%	26.05%
15.0	2995.898	83.540	718.244	3.25%	29.48%
16.0	2891.509	86.267	804.511	3.36%	33.02%
17.0	2777.683	88.285	892.795	3.43%	36.65%
18.0	2661.662	89.683	982.478	3.49%	40.33%
19.0	2549.225	90.659	1073.137	3.53%	44.05%
20.0	2437.594	91.273	1164.41	3.55%	47.80%
21.0	2319.159	91.339	1255.749	3.55%	51.55%
22.0	2191.946	90.653	1346.401	3.53%	55.27%
23.0	2066.634	89.357	1435.758	3.48%	58.94%
24.0	1939.348	87.585	1523.343	3.41%	62.53%
25.0	1801.088	85.049	1608.392	3.31%	66.02%
26.0	1655.441	81.592	1689.984	3.17%	69.37%
27.0	1499.807	77.194	1767.178	3.00%	72.54%
28.0	1324.123	71.496	1838.674	2.78%	75.48%
29.0	1232.872	66.898	1905.572	2.60%	78.22%
30.0	1096.119	62.882	1968.454	2.45%	80.80%
31.0	947.209	56.863	2025.317	2.21%	83.14%
32.0	800.471	50.069	2075.386	1.95%	85.19%
33.0	674.911	43.465	2118.852	1.69%	86.98%
34.0	564.493	37.508	2156.36	1.46%	88.52%
35.0	469.863	32.123	2188.483	1.25%	89.84%
36.0	396.453	27.584	2216.067	1.07%	90.97%
37.0	333.110	23.794	2239.861	0.93%	91.95%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	279.942	20.463	2260.324	0.80%	92.79%
39.0	251.105	18.126	2278.45	0.71%	93.53%
40.0	199.459	15.714	2294.164	0.61%	94.17%
41.0	156.401	12.672	2306.836	0.49%	94.69%
42.0	127.864	10.328	2317.164	0.40%	95.12%
43.0	105.743	8.653	2325.817	0.34%	95.47%
44.0	87.199	7.282	2333.099	0.28%	95.77%
45.0	73.687	6.183	2339.282	0.24%	96.03%
46.0	62.678	5.333	2344.615	0.21%	96.25%
47.0	54.170	4.647	2349.263	0.18%	96.44%
48.0	48.179	4.137	2353.4	0.16%	96.61%
49.0	43.314	3.757	2357.157	0.15%	96.76%
50.0	39.620	3.458	2360.615	0.13%	96.90%
51.0	36.321	3.213	2363.828	0.12%	97.03%
52.0	33.833	3.010	2366.838	0.12%	97.16%
53.0	31.734	2.852	2369.691	0.11%	97.27%
54.0	30.051	2.723	2372.414	0.11%	97.39%
55.0	28.347	2.607	2375.021	0.10%	97.49%
56.0	27.074	2.504	2377.525	0.10%	97.60%
57.0	25.940	2.424	2379.949	0.09%	97.70%
58.0	24.931	2.352	2382.301	0.09%	97.79%
59.0	23.950	2.285	2384.587	0.09%	97.89%
60.0	23.138	2.225	2386.811	0.09%	97.98%
61.0	22.414	2.174	2388.985	0.08%	98.07%
62.0	21.770	2.129	2391.114	0.08%	98.15%
63.0	21.185	2.089	2393.203	0.08%	98.24%
64.0	20.673	2.054	2395.257	0.08%	98.32%
65.0	20.198	2.023	2397.28	0.08%	98.41%
66.0	19.729	1.992	2399.272	0.08%	98.49%
67.0	19.195	1.957	2401.229	0.08%	98.57%
68.0	18.683	1.919	2403.148	0.07%	98.65%
69.0	18.193	1.881	2405.029	0.07%	98.73%
70.0	17.732	1.845	2406.874	0.07%	98.80%
71.0	17.235	1.807	2408.682	0.07%	98.88%
72.0	16.818	1.771	2410.452	0.07%	98.95%
73.0	16.394	1.737	2412.189	0.07%	99.02%
74.0	15.977	1.702	2413.891	0.07%	99.09%
75.0	15.523	1.664	2415.555	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.143	1.628	2417.183	0.06%	99.22%
77.0	14.711	1.592	2418.775	0.06%	99.29%
78.0	14.316	1.554	2420.328	0.06%	99.35%
79.0	13.884	1.515	2421.844	0.06%	99.42%
80.0	13.460	1.474	2423.318	0.06%	99.48%
81.0	13.058	1.434	2424.752	0.06%	99.54%
82.0	12.655	1.394	2426.146	0.05%	99.59%
83.0	12.282	1.356	2427.502	0.05%	99.65%
84.0	11.939	1.320	2428.821	0.05%	99.70%
85.0	11.617	1.286	2430.107	0.05%	99.75%
86.0	11.251	1.250	2431.357	0.05%	99.81%
87.0	10.966	1.216	2432.573	0.05%	99.86%
88.0	10.724	1.188	2433.761	0.05%	99.90%
89.0	10.541	1.166	2434.927	0.05%	99.95%
90.0	10.454	1.151	2436.078	0.04%	100.00%

Zonal flux distribution table

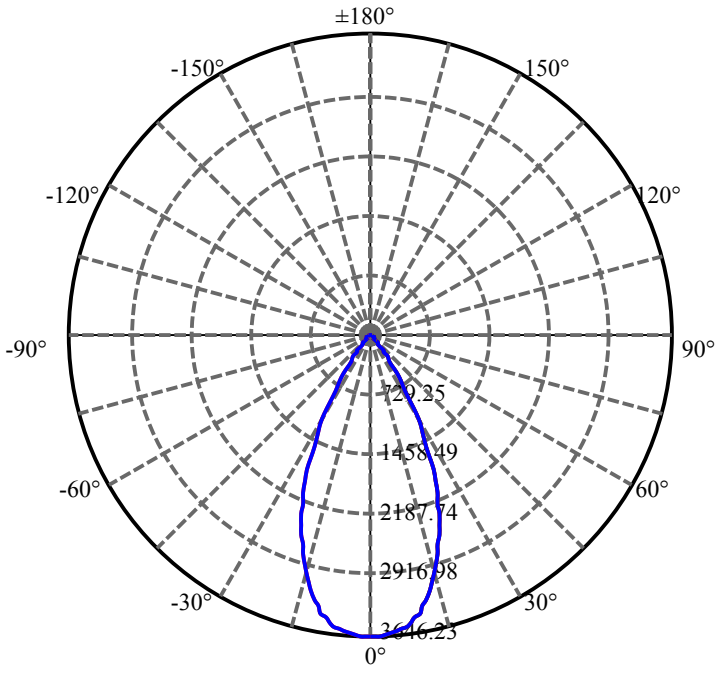
ZONAL LUMEN SUMMARY

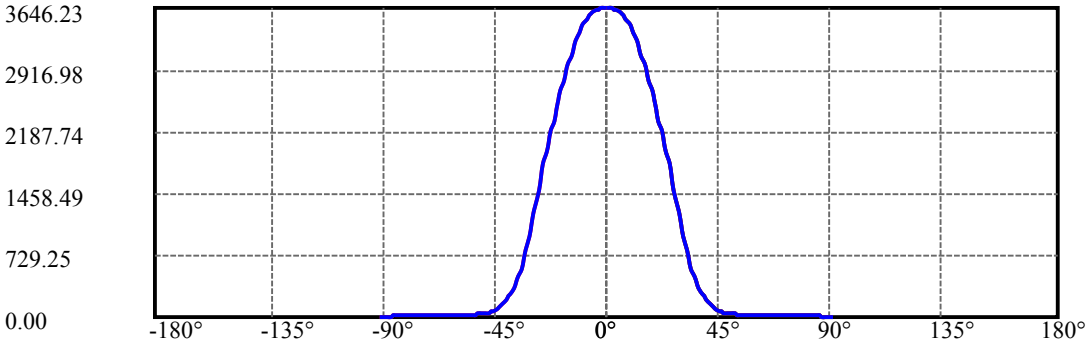
Zone	Lumens	%Lamp	%Fixt
0-30	1968.45	76.56%	80.80%
0-40	2294.16	89.23%	94.17%
0-60	2386.81	92.84%	97.98%
0-90	2434.93	94.71%	99.95%
0-120	2434.93	94.71%	99.95%
0-180	2436.08	94.75%	100.00%
60-90	48.12	1.87%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.69	1948.86	75.80%	80.00%

ZONAL LUMEN SUMMARY

0-10	338.12
10-20	826.28
20-30	804.04
30-40	325.71
40-50	66.45
50-60	26.20
60-70	20.06
70-80	16.44
80-90	11.61
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):

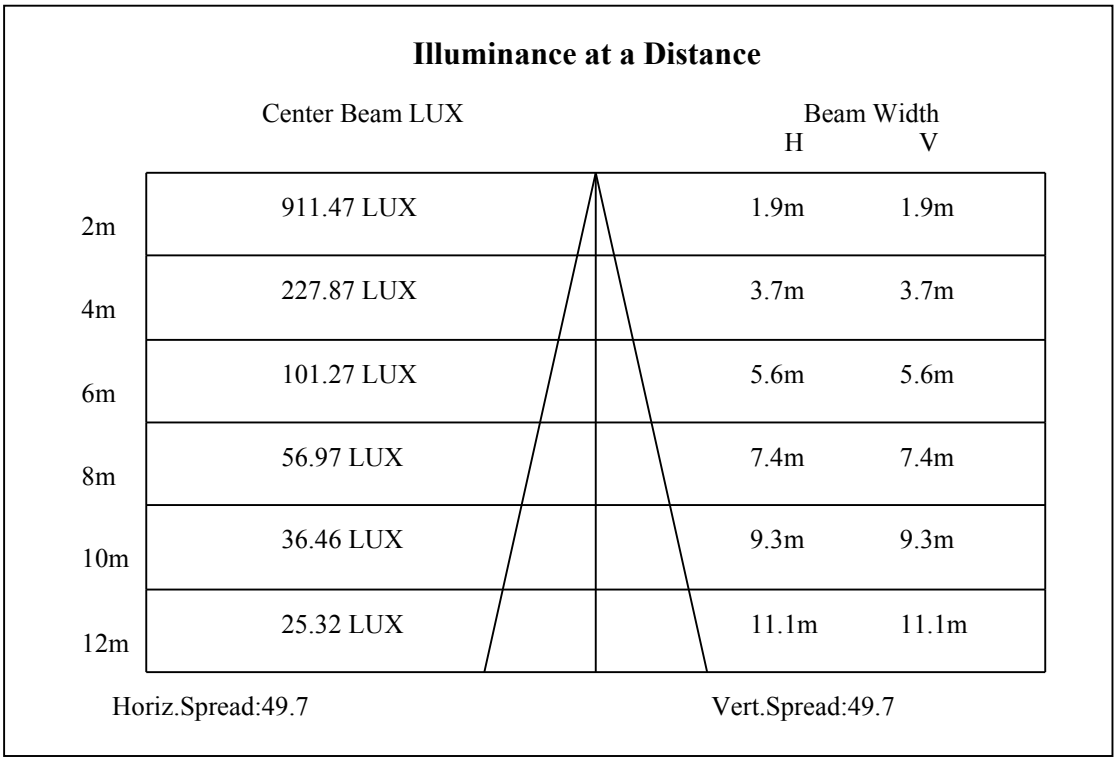
C0/C180:

C90/C270:

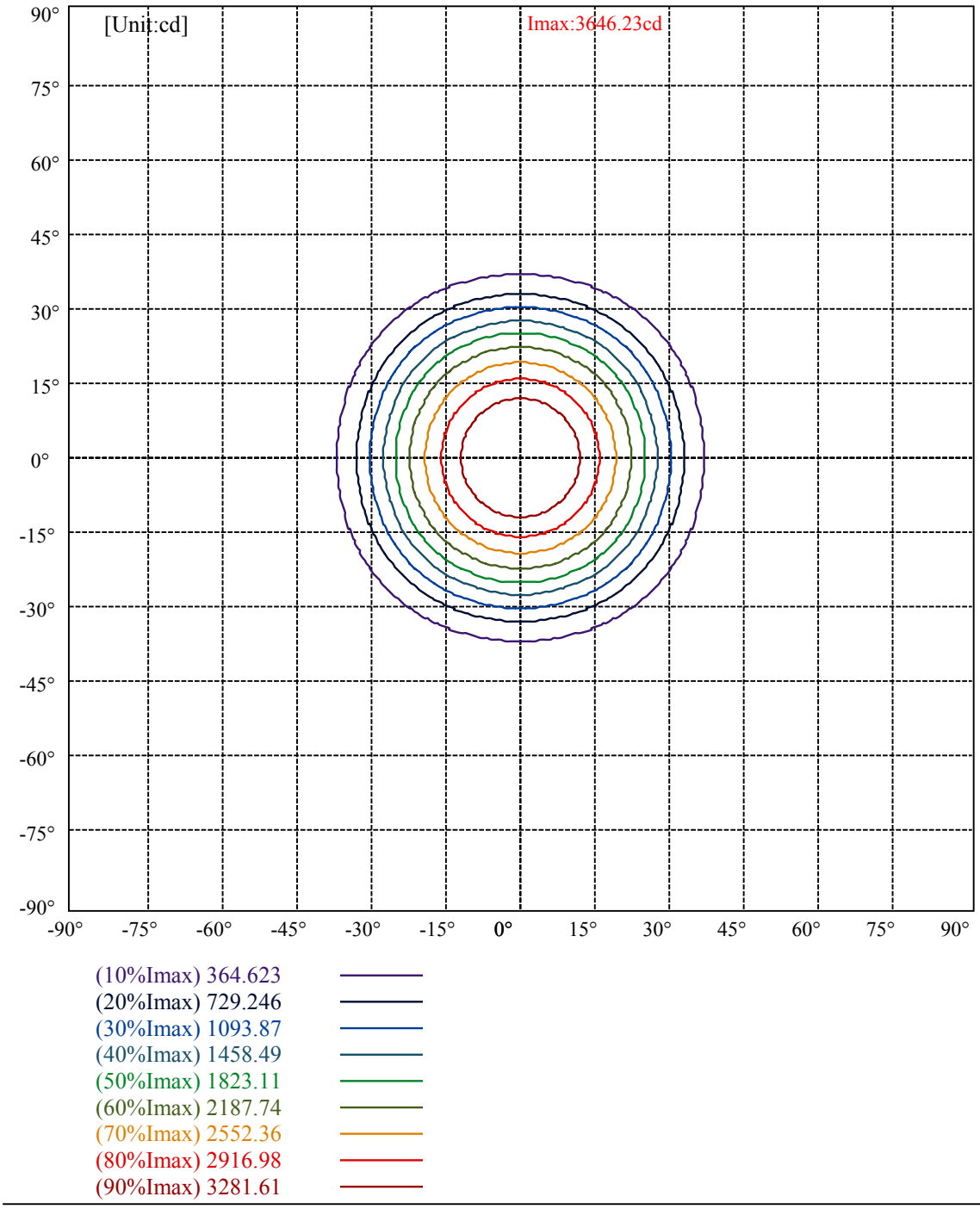
Field angle(10%Imax):C0/180Left:37.5 Right:35.5
:C90/270Left:37.5 Right:35.5

Beam Angle(50%Imax):C0/180Left:25.8 Right:23.8
:C90/270Left:25.8 Right:23.8

Lux distance Curve



ISO-Intensity(V-H)



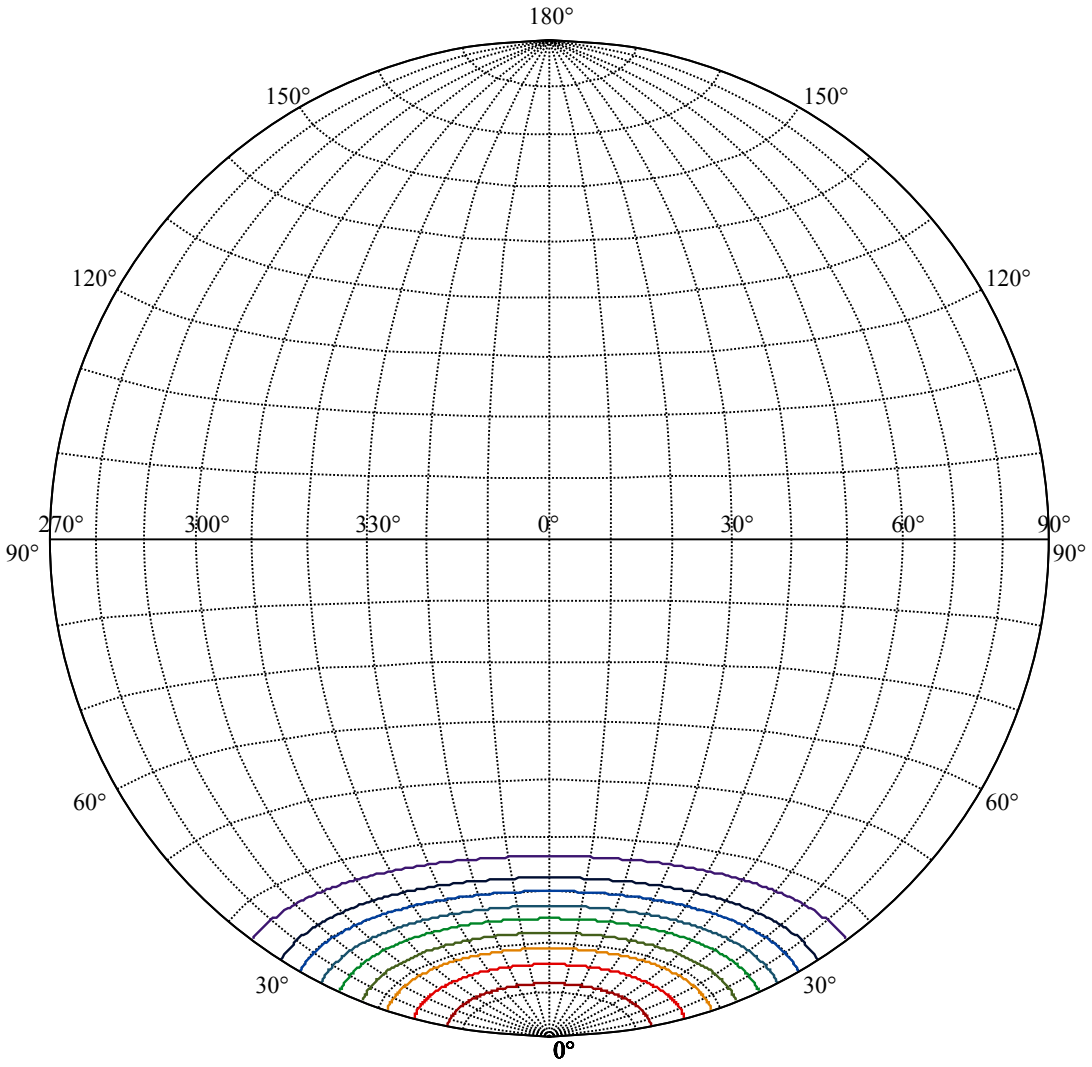
(10%Imax) 364.623
(20%Imax) 729.246
(30%Imax) 1093.87
(40%Imax) 1458.49
(50%Imax) 1823.11
(60%Imax) 2187.74
(70%Imax) 2552.36
(80%Imax) 2916.98
(90%Imax) 3281.61

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



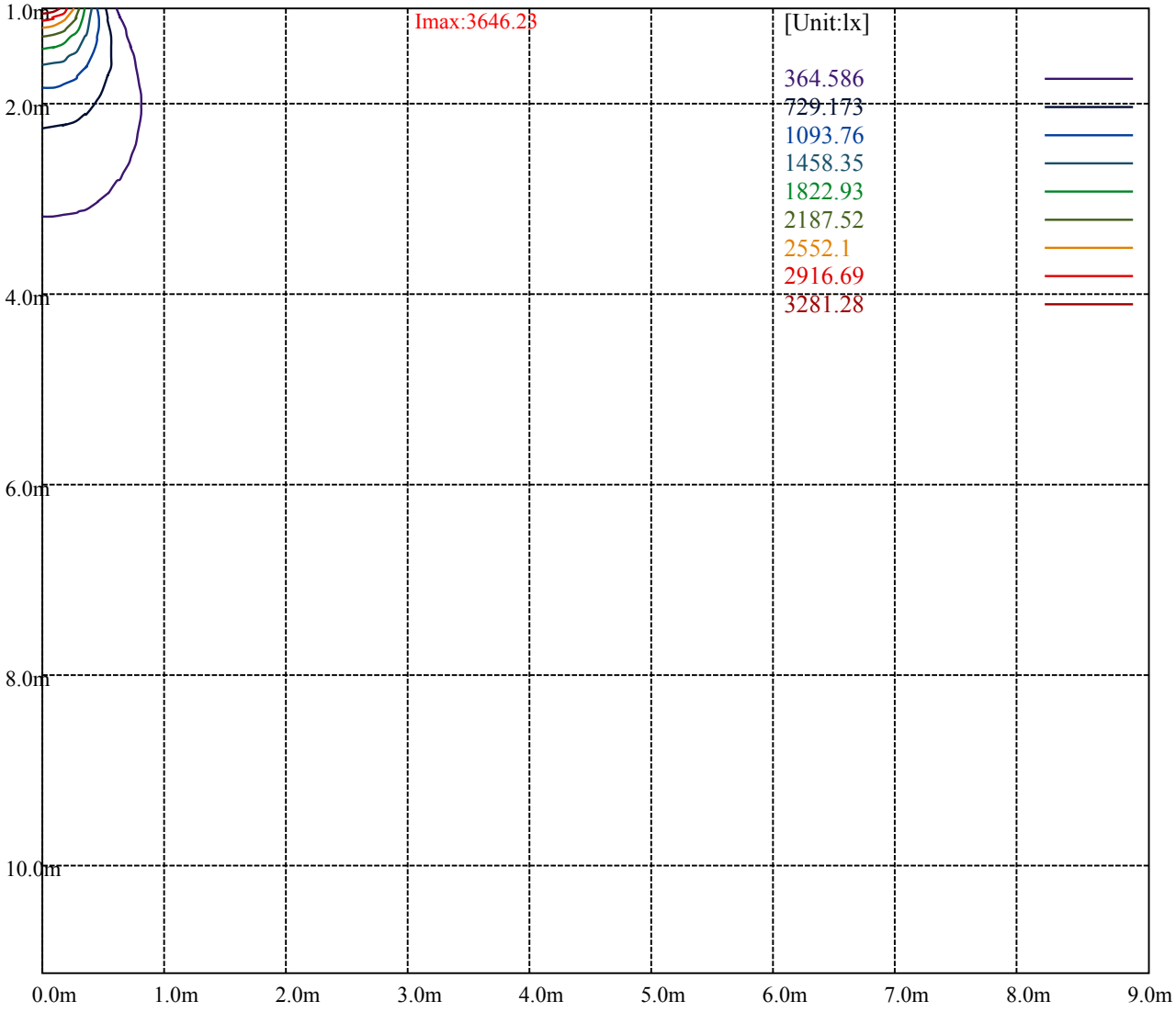
House [Unit:cd] Road

Imax:3646.23

(10%Imax) 364.623
(20%Imax) 729.246
(30%Imax) 1093.87
(40%Imax) 1458.49
(50%Imax) 1823.11
(60%Imax) 2187.74
(70%Imax) 2552.36
(80%Imax) 2916.98
(90%Imax) 3281.61

Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2763-L

Luminance Limitting Curve(no luminous side)

Luminance Table

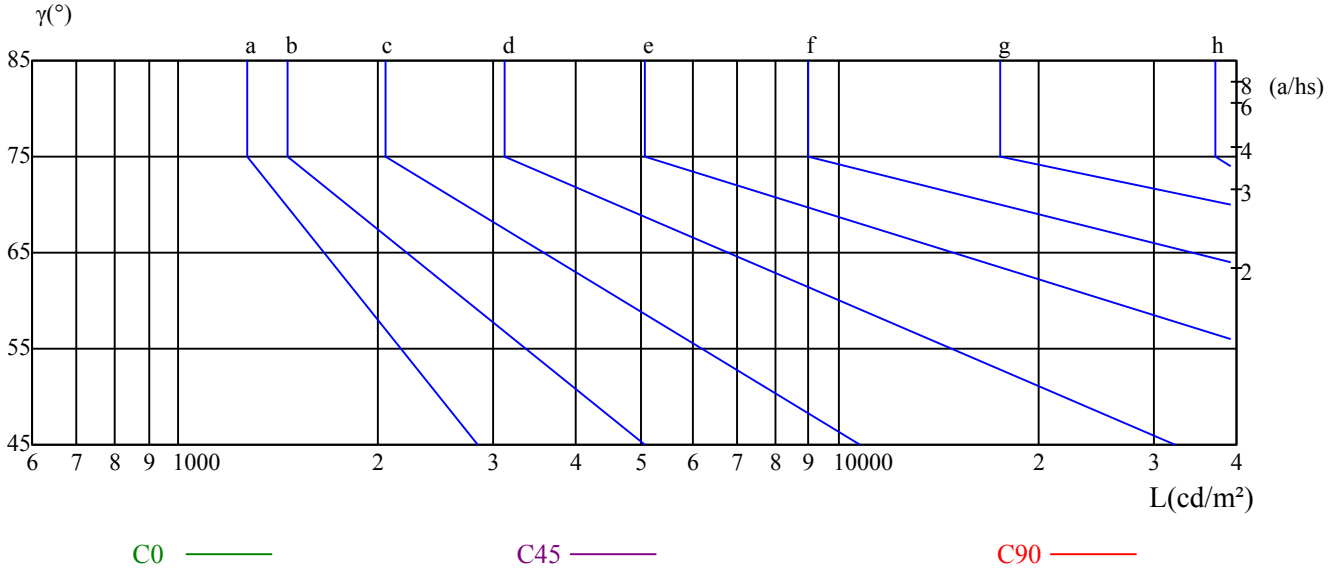
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

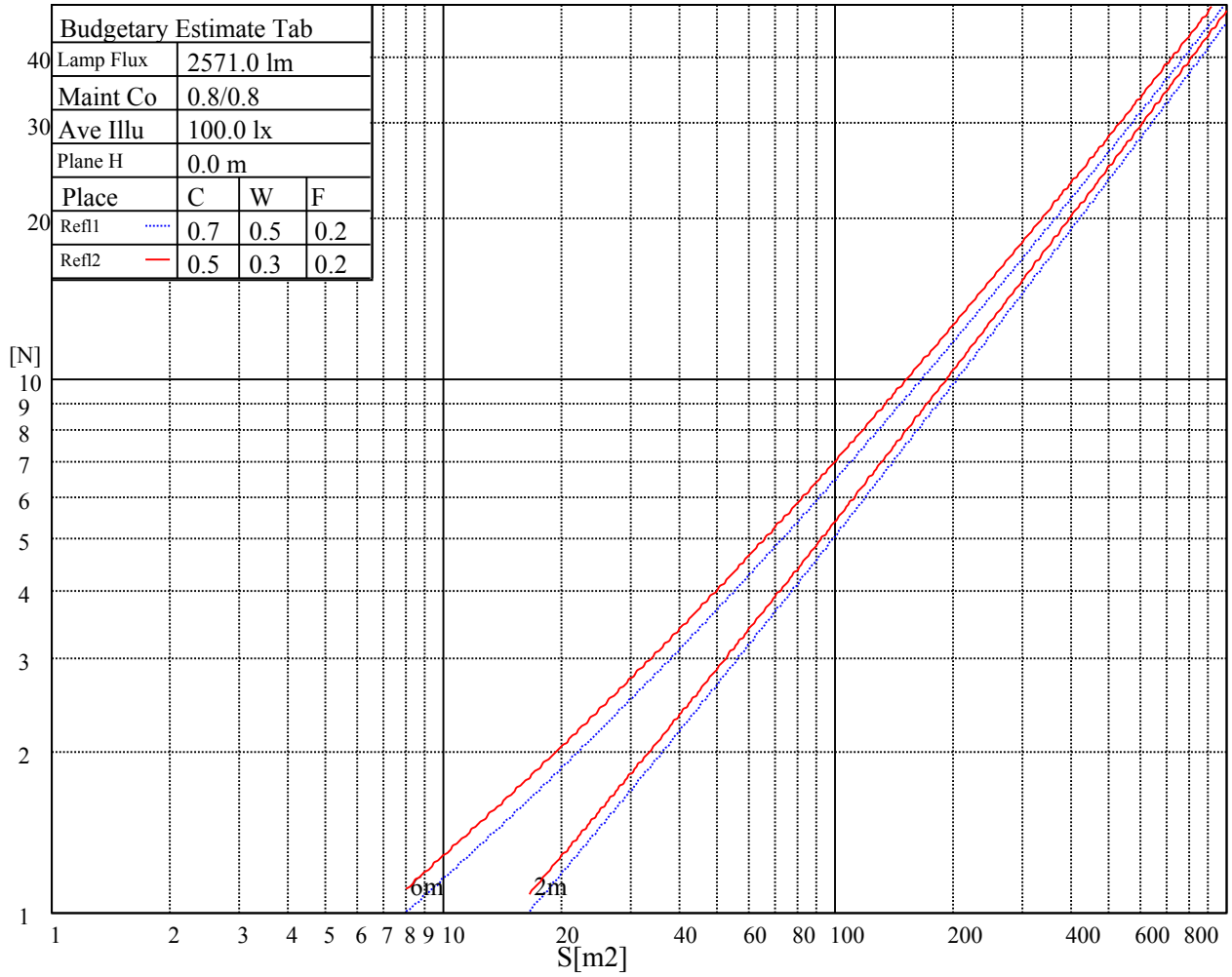
Date: 2024/8/6
Humidity(%): 60.0%

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

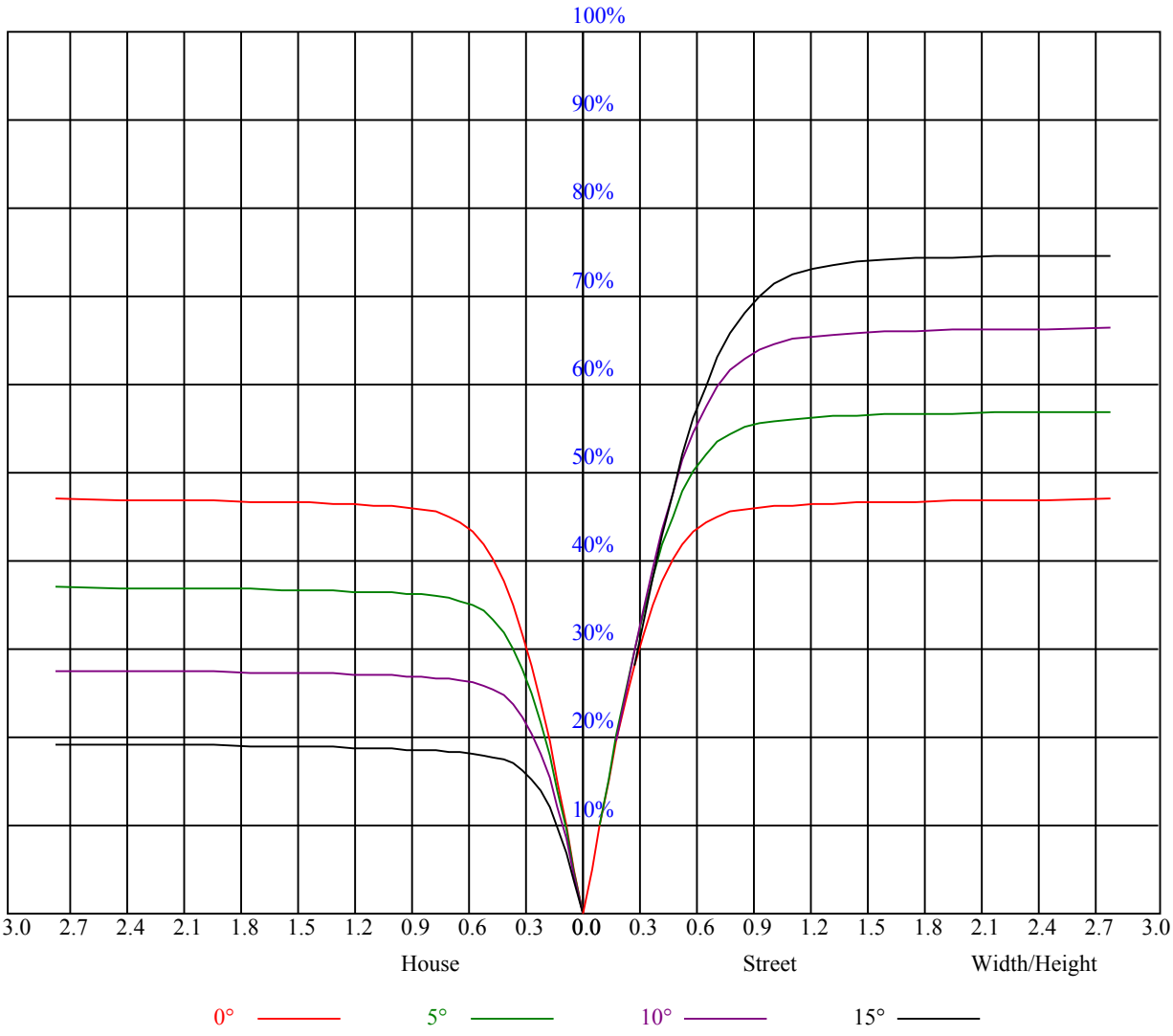


Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

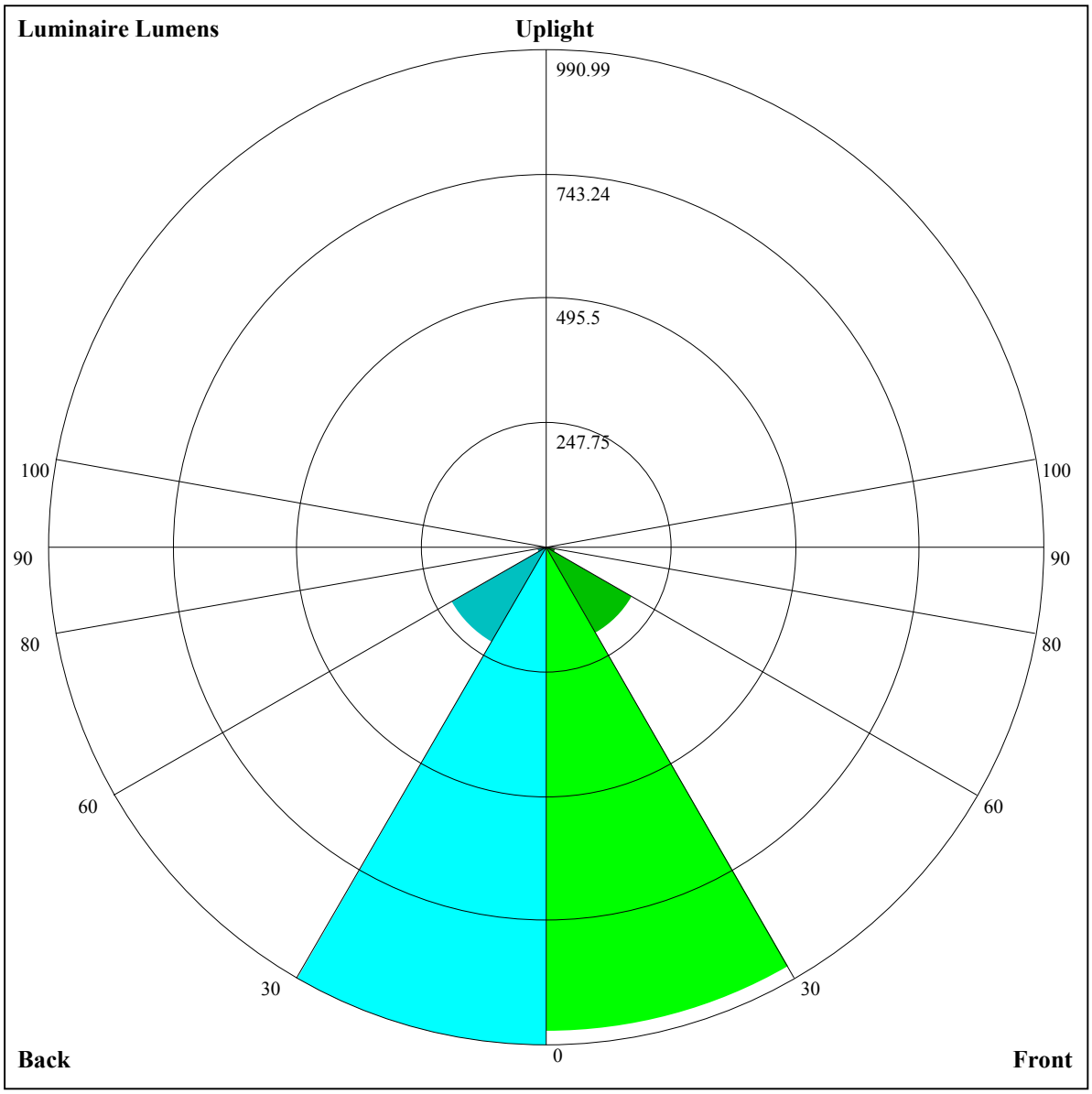
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.94	0.91	0.97	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	0.82	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	0.72	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	0.71	0.67	0.64	0.70	0.66	0.63	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	0.57	0.66	0.61	0.57	0.65	0.60	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	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=964.95,FM=198.61,FH=18.05,FVH=6.34
BL=990.99,BM=219.67,BH=18.35,BVH=6.42
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	3640.16	3648.94	3649.52	3648.94	3641.91	3631.96	3620.85	3592.17	3558.81
45.0	3643.08	3637.82	3640.16	3638.99	3628.45	3629.04	3599.78	3579.29	3554.72
90.0	3636.65	3642.50	3628.45	3602.12	3582.81	3551.20	3511.41	3478.64	3445.28
135.0	3663.57	3639.57	3631.96	3626.11	3595.68	3585.73	3559.40	3531.31	3503.80
180.0	3640.16	3634.89	3626.11	3629.04	3617.92	3604.46	3591.00	3576.95	3567.59
225.0	3643.08	3647.77	3643.67	3642.50	3631.96	3595.10	3579.29	3561.15	3522.53
270.0	3636.65	3655.96	3661.81	3641.33	3637.23	3614.41	3593.34	3562.32	3531.89
315.0	3663.57	3662.40	3648.94	3643.08	3618.50	3596.27	3584.56	3526.62	3464.59
360.0	3640.16	3648.94	3649.52	3648.94	3641.91	3631.96	3620.85	3592.17	3558.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3506.14	3450.55	3383.24	3306.58	3205.92	3130.43	3042.64	2943.74	2810.89
45.0	3514.92	3458.74	3409.58	3337.01	3266.20	3182.51	3098.82	2984.71	2884.05
90.0	3382.66	3326.48	3260.35	3167.30	3084.19	2996.41	2892.24	2798.60	2692.68
135.0	3468.69	3421.28	3347.55	3286.68	3229.33	3134.52	3056.10	2968.90	2856.54
180.0	3530.72	3493.85	3438.26	3375.64	3303.65	3204.75	3121.06	3032.11	2939.06
225.0	3469.27	3413.09	3332.91	3254.49	3171.98	3082.44	2965.39	2857.13	2744.18
270.0	3467.52	3411.92	3339.94	3266.20	3160.27	3060.79	2970.08	2841.33	2735.99
315.0	3383.83	3317.70	3241.03	3152.08	3025.67	2922.09	2820.84	2705.55	2558.08
360.0	3506.14	3450.55	3383.24	3306.58	3205.92	3130.43	3042.64	2943.74	2810.89

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2707.89	2603.72	2480.83	2371.39	2220.99	2091.07	1963.49	1799.04	1667.95
45.0	2779.29	2668.68	2529.40	2412.36	2294.14	2141.98	2018.50	1891.51	1725.89
90.0	2561.00	2456.83	2355.59	2244.40	2102.19	1985.73	1869.85	1720.03	1598.89
135.0	2757.05	2656.98	2565.10	2440.45	2344.47	2242.64	2107.45	1993.33	1872.78
180.0	2802.70	2701.46	2594.95	2493.12	2351.49	2232.69	2108.62	1953.54	1825.38
225.0	2631.82	2501.90	2391.29	2273.66	2127.35	2010.89	1851.13	1729.40	1604.75
270.0	2612.50	2473.80	2364.95	2234.45	2125.60	2007.97	1895.02	1749.30	1631.08
315.0	2441.03	2330.42	2218.65	2083.46	1969.34	1820.11	1700.72	1572.56	1316.81
360.0	2707.89	2603.72	2480.83	2371.39	2220.99	2091.07	1963.49	1799.04	1667.95

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1525.74	1158.39	1158.39	1046.50	901.13	769.04	626.02	532.20	453.67
45.0	1598.31	1467.22	1306.87	1178.12	1042.34	866.78	736.27	623.32	529.10
90.0	1474.24	1155.53	1155.53	1055.39	917.63	753.48	633.97	532.38	429.85
135.0	1714.77	1583.68	1450.83	1281.12	1133.64	992.60	853.32	700.57	596.99
180.0	1689.60	1528.08	1388.80	1246.59	1061.07	911.84	771.39	622.74	525.59
225.0	1339.64	1164.48	1164.48	1023.21	847.00	715.44	602.37	510.14	414.57
270.0	1508.77	1388.21	1260.63	1093.26	953.39	783.67	659.61	554.85	449.51
315.0	1147.39	1147.39	977.44	844.77	721.47	610.92	516.34	439.74	359.62
360.0	1525.74	1158.39	1158.39	1046.50	901.13	769.04	626.02	532.20	453.67

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	386.42	315.55	267.33	213.72	178.90	149.41	119.62	100.25	84.51
45.0	429.03	360.56	302.03	302.03	198.10	164.68	136.65	108.38	90.07
90.0	365.24	309.12	250.36	210.51	177.03	148.47	118.57	98.73	82.81
135.0	509.20	435.47	357.63	304.38	304.38	207.40	175.16	147.13	118.27
180.0	445.41	377.53	306.13	306.13	249.66	181.13	144.73	120.26	95.80
225.0	350.55	295.48	248.55	198.57	164.80	130.27	108.21	90.12	72.80
270.0	380.45	322.52	297.35	297.35	182.24	152.63	121.90	101.83	85.50
315.0	305.31	248.66	210.15	176.15	140.57	117.22	98.08	79.24	67.83
360.0	386.42	315.55	267.33	213.72	178.90	149.41	119.62	100.25	84.51

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	72.16	60.10	53.14	47.75	43.60	39.50	36.75	34.47	32.07
45.0	72.51	61.68	53.61	47.34	41.61	38.10	35.29	33.01	30.72
90.0	70.29	58.70	51.73	46.35	41.14	37.81	34.47	32.30	30.49
135.0	99.84	84.62	69.52	60.45	53.61	47.93	42.43	39.21	36.58
180.0	81.11	69.47	58.29	51.56	46.41	42.37	38.39	35.76	33.65
225.0	62.21	54.13	47.81	42.19	38.74	35.93	33.53	31.08	29.50
270.0	72.33	60.40	53.43	47.87	42.60	39.15	36.28	33.36	31.37
315.0	59.05	52.32	45.82	41.90	38.80	36.17	33.42	31.49	29.50
360.0	72.16	60.10	53.14	47.75	43.60	39.50	36.75	34.47	32.07

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.49	28.73	27.56	26.45	25.52	24.46	23.70	23.06	22.47
45.0	29.20	27.86	26.69	25.34	24.46	23.53	22.82	22.12	21.36
90.0	28.85	27.15	25.98	24.93	24.05	23.06	22.36	21.71	21.07
135.0	34.35	31.89	30.26	28.85	27.21	26.10	24.81	23.94	23.12
180.0	31.72	29.73	28.32	27.15	26.04	24.87	24.05	23.12	22.41
225.0	28.03	26.57	25.52	24.58	23.58	22.82	22.18	21.48	20.95
270.0	29.67	27.92	26.63	25.52	24.64	23.58	22.82	22.18	21.59
315.0	28.09	26.92	25.63	24.70	23.94	23.17	22.36	21.71	21.19
360.0	30.49	28.73	27.56	26.45	25.52	24.46	23.70	23.06	22.47

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.89	21.36	20.89	20.37	19.61	19.02	18.32	17.85	17.38
45.0	20.83	20.37	19.96	19.43	18.96	18.55	18.08	17.62	17.21
90.0	20.54	20.13	19.61	19.20	18.79	18.26	17.85	17.44	16.97
135.0	22.30	21.71	21.19	20.72	20.13	19.61	19.08	18.61	18.02
180.0	21.83	21.19	20.78	20.37	19.78	19.37	18.90	18.49	17.91
225.0	20.48	20.07	19.61	19.20	18.79	18.32	17.79	17.38	16.85
270.0	20.89	20.42	19.96	19.43	19.02	18.38	17.97	17.50	16.97
315.0	20.72	20.13	19.61	19.14	18.49	17.97	17.56	16.97	16.56
360.0	21.89	21.36	20.89	20.37	19.61	19.02	18.32	17.85	17.38

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.85	16.50	16.09	15.57	15.22	14.81	14.46	13.93	13.52
45.0	16.80	16.27	15.92	15.63	15.10	14.75	14.34	13.93	13.58
90.0	16.56	16.15	15.80	15.27	14.98	14.57	14.22	13.69	13.28
135.0	17.56	17.09	16.56	16.15	15.74	15.27	14.86	14.46	13.93
180.0	17.50	17.09	16.68	16.15	15.74	15.27	14.86	14.46	13.99
225.0	16.44	16.04	15.57	15.16	14.81	14.34	13.93	13.58	13.23
270.0	16.62	16.21	15.86	15.33	14.98	14.63	14.22	13.81	13.28
315.0	16.21	15.80	15.33	14.92	14.57	14.05	13.64	13.23	12.87
360.0	16.85	16.50	16.09	15.57	15.22	14.81	14.46	13.93	13.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.11	12.64	12.29	12.00	11.76	11.35	11.06	10.77	10.48
45.0	13.17	12.76	12.41	12.00	11.70	11.41	11.06	10.83	10.59
90.0	12.87	12.58	12.23	11.88	11.53	11.12	10.89	10.71	10.53
135.0	13.58	13.11	12.64	12.29	11.94	11.59	11.18	10.89	10.65
180.0	13.58	13.23	12.70	12.41	12.00	11.59	11.29	11.00	10.83
225.0	12.76	12.35	12.06	11.70	11.35	11.06	10.83	10.59	10.42
270.0	12.93	12.52	12.17	11.76	11.47	11.06	10.83	10.59	10.48
315.0	12.47	12.06	11.76	11.47	11.18	10.83	10.59	10.42	10.36
360.0	13.11	12.64	12.29	12.00	11.76	11.35	11.06	10.77	10.48

Intensity data(cd)

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