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

NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.429.00
Report No: 2024410-B017
Ballast type: AC

Test No: 2024410-C017	Voltage(V): 34.810
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2713.0	Power (W): 18.449
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2265.15, Efficiency(%): 83.49% , Luminous Efficacy(lm/W): 122.78
Central intensity(cd): 4065.909, Maximum intensity(cd): 4065.909
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=44.2
[C90/270]Total=44.2
Field angle(10%Imax): [C0/180]Total=68.2
[C90/270]Total=68.2
Maximum s/h(1/2): C0_180=0.71 C90_270=0.71
Maximum s/h(1/4): C0_180=0.70 C90_270=0.70
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.49%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.731%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4065.909	0.000	0	0.00%	0.00%
1.0	4060.642	3.888	3.888	0.14%	0.17%
2.0	4044.183	11.633	15.521	0.43%	0.69%
3.0	4016.897	19.279	34.801	0.71%	1.54%
4.0	3980.101	26.769	61.569	0.99%	2.72%
5.0	3934.453	34.048	95.617	1.25%	4.22%
6.0	3877.320	41.053	136.67	1.51%	6.03%
7.0	3812.141	47.728	184.398	1.76%	8.14%
8.0	3740.817	54.055	238.454	1.99%	10.53%
9.0	3663.713	60.010	298.463	2.21%	13.18%
10.0	3576.003	65.517	363.98	2.41%	16.07%
11.0	3481.489	70.519	434.499	2.60%	19.18%
12.0	3384.415	75.054	509.553	2.77%	22.50%
13.0	3278.855	79.076	588.629	2.91%	25.99%
14.0	3164.516	82.475	671.104	3.04%	29.63%
15.0	3052.446	85.349	756.453	3.15%	33.40%
16.0	2922.892	87.555	844.008	3.23%	37.26%
17.0	2799.702	89.116	933.125	3.28%	41.19%
18.0	2654.712	89.931	1023.056	3.31%	45.17%
19.0	2515.941	89.959	1113.015	3.32%	49.14%
20.0	2351.419	89.086	1202.101	3.28%	53.07%
21.0	2202.992	87.454	1289.555	3.22%	56.93%
22.0	2050.833	85.482	1375.037	3.15%	60.70%
23.0	1908.331	83.074	1458.111	3.06%	64.37%
24.0	1764.658	80.305	1538.416	2.96%	67.92%
25.0	1612.207	76.783	1615.199	2.83%	71.31%
26.0	1438.915	72.022	1687.221	2.65%	74.49%
27.0	1277.210	66.451	1753.671	2.45%	77.42%
28.0	1173.647	62.050	1815.722	2.29%	80.16%
29.0	1037.392	57.847	1873.569	2.13%	82.71%
30.0	899.037	52.283	1925.852	1.93%	85.02%
31.0	757.603	46.102	1971.954	1.70%	87.06%
32.0	639.995	40.040	2011.993	1.48%	88.82%
33.0	522.321	34.242	2046.236	1.26%	90.34%
34.0	419.936	28.515	2074.751	1.05%	91.59%
35.0	321.903	23.039	2097.79	0.85%	92.61%
36.0	258.165	18.469	2116.259	0.68%	93.43%
37.0	191.339	14.660	2130.92	0.54%	94.07%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	129.174	10.698	2141.618	0.39%	94.55%
39.0	81.580	7.194	2148.812	0.27%	94.86%
40.0	66.057	5.149	2153.961	0.19%	95.09%
41.0	57.140	4.387	2158.348	0.16%	95.28%
42.0	51.668	3.953	2162.301	0.15%	95.46%
43.0	47.769	3.683	2165.984	0.14%	95.62%
44.0	44.492	3.482	2169.466	0.13%	95.78%
45.0	41.887	3.320	2172.786	0.12%	95.92%
46.0	39.795	3.194	2175.981	0.12%	96.06%
47.0	37.849	3.088	2179.069	0.11%	96.20%
48.0	36.321	2.998	2182.067	0.11%	96.33%
49.0	34.777	2.920	2184.987	0.11%	96.46%
50.0	33.526	2.848	2187.834	0.10%	96.59%
51.0	32.319	2.786	2190.62	0.10%	96.71%
52.0	31.339	2.732	2193.352	0.10%	96.83%
53.0	30.359	2.684	2196.036	0.10%	96.95%
54.0	29.532	2.640	2198.675	0.10%	97.07%
55.0	28.742	2.601	2201.277	0.10%	97.18%
56.0	28.018	2.565	2203.841	0.09%	97.29%
57.0	27.293	2.529	2206.37	0.09%	97.40%
58.0	26.620	2.493	2208.864	0.09%	97.52%
59.0	25.984	2.459	2211.323	0.09%	97.62%
60.0	25.304	2.423	2213.746	0.09%	97.73%
61.0	24.682	2.385	2216.131	0.09%	97.84%
62.0	24.060	2.349	2218.48	0.09%	97.94%
63.0	23.424	2.309	2220.789	0.09%	98.04%
64.0	22.773	2.267	2223.056	0.08%	98.14%
65.0	22.129	2.222	2225.278	0.08%	98.24%
66.0	21.441	2.174	2227.452	0.08%	98.34%
67.0	20.819	2.125	2229.577	0.08%	98.43%
68.0	20.154	2.076	2231.653	0.08%	98.52%
69.0	19.561	2.026	2233.679	0.07%	98.61%
70.0	18.910	1.976	2235.655	0.07%	98.70%
71.0	18.318	1.924	2237.579	0.07%	98.78%
72.0	17.688	1.872	2239.451	0.07%	98.87%
73.0	17.045	1.816	2241.267	0.07%	98.95%
74.0	16.438	1.760	2243.027	0.06%	99.02%
75.0	16.174	1.723	2244.751	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.991	1.707	2246.458	0.06%	99.17%
77.0	15.443	1.676	2248.134	0.06%	99.25%
78.0	14.879	1.623	2249.757	0.06%	99.32%
79.0	14.389	1.573	2251.33	0.06%	99.39%
80.0	13.782	1.519	2252.848	0.06%	99.46%
81.0	13.277	1.463	2254.312	0.05%	99.52%
82.0	12.831	1.416	2255.728	0.05%	99.58%
83.0	12.348	1.369	2257.096	0.05%	99.64%
84.0	11.690	1.310	2258.406	0.05%	99.70%
85.0	10.936	1.235	2259.641	0.05%	99.76%
86.0	10.358	1.164	2260.805	0.04%	99.81%
87.0	10.051	1.117	2261.922	0.04%	99.86%
88.0	9.861	1.091	2263.013	0.04%	99.91%
89.0	9.737	1.074	2264.087	0.04%	99.95%
90.0	9.685	1.065	2265.152	0.04%	100.00%

Zonal flux distribution table

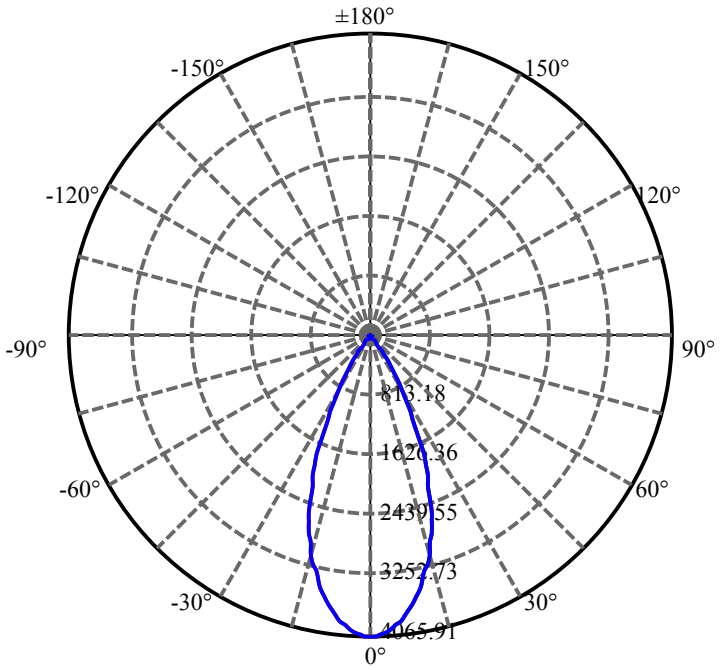
ZONAL LUMEN SUMMARY

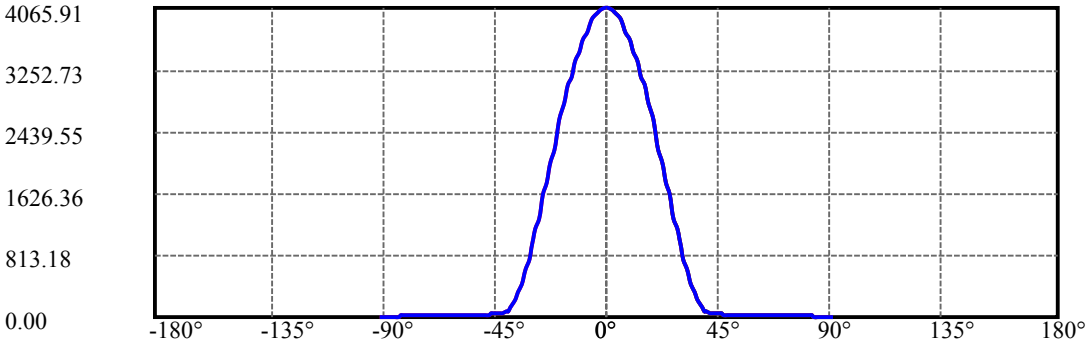
Zone	Lumens	%Lamp	%Fixt
0-30	1925.85	70.99%	85.02%
0-40	2153.96	79.39%	95.09%
0-60	2213.75	81.60%	97.73%
0-90	2264.09	83.45%	99.95%
0-120	2264.09	83.45%	99.95%
0-180	2265.15	83.49%	100.00%
60-90	50.34	1.86%	2.22%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.94	1812.12	66.79%	80.00%

ZONAL LUMEN SUMMARY

0-10	363.98
10-20	838.12
20-30	723.75
30-40	228.11
40-50	33.87
50-60	25.91
60-70	21.91
70-80	17.19
80-90	11.24
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:

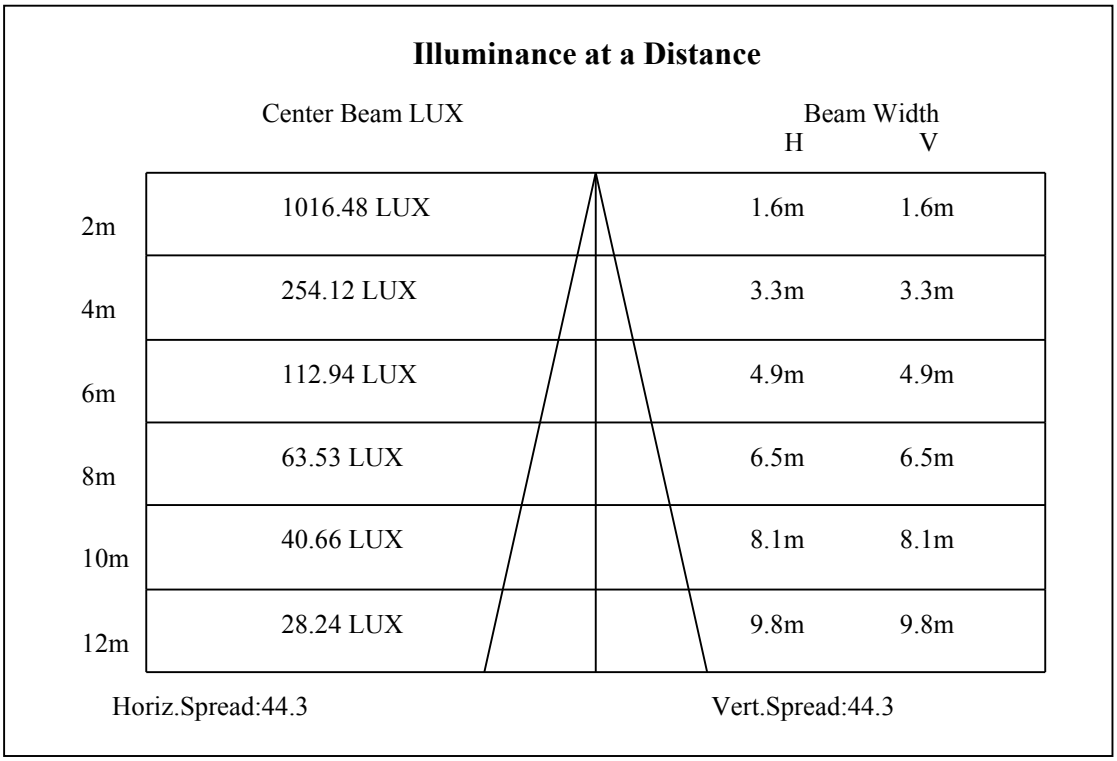
C90/C270:

Field angle(10%Imax):C0/180Left:34.1 Right:34.1
:C90/270Left:34.1 Right:34.1

Beam Angle(50%Imax):C0/180Left:22.1 Right:22.1
:C90/270Left:22.1 Right:22.1

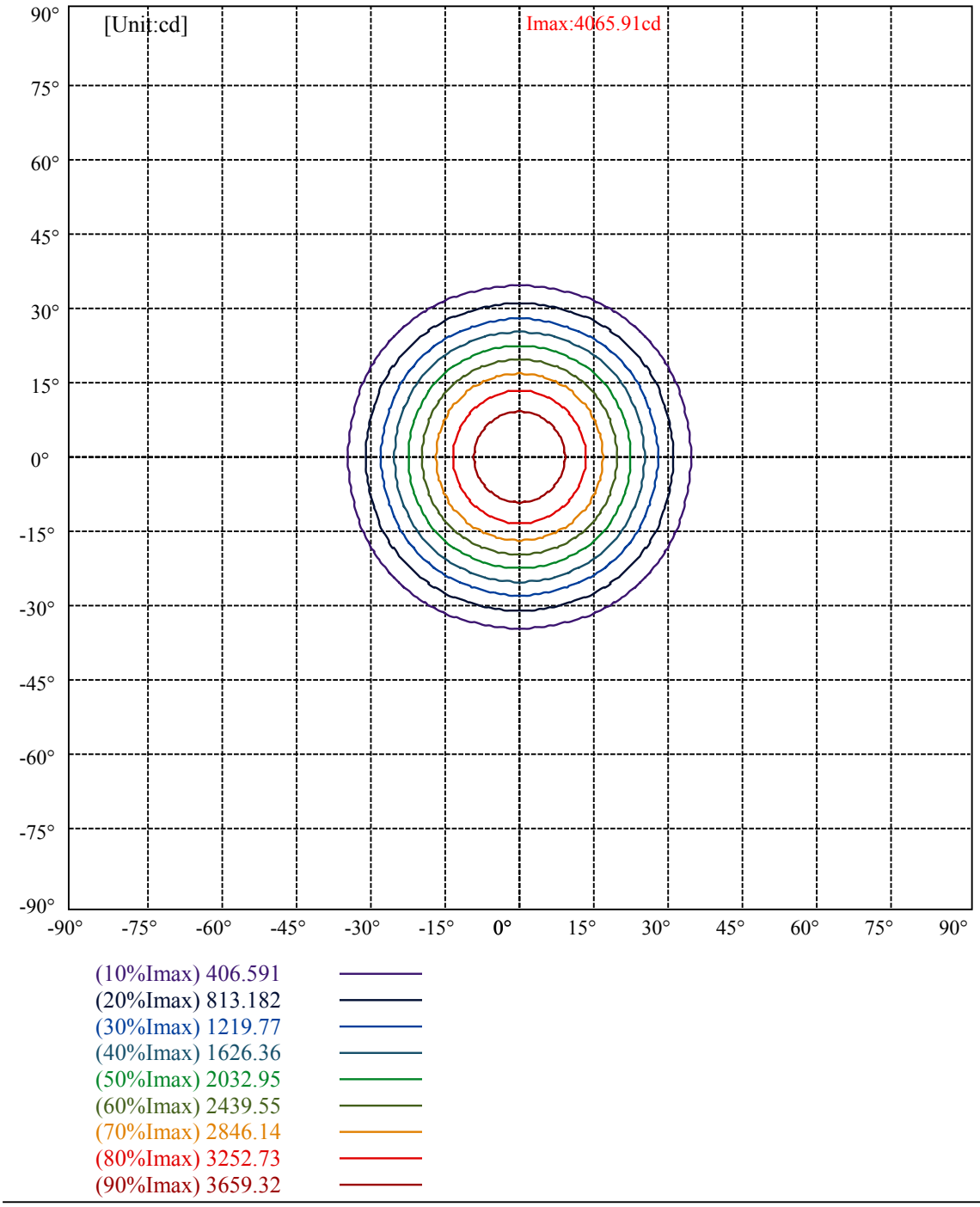
Equipment: GMS1980 Date: 2024/4/10 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/10 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

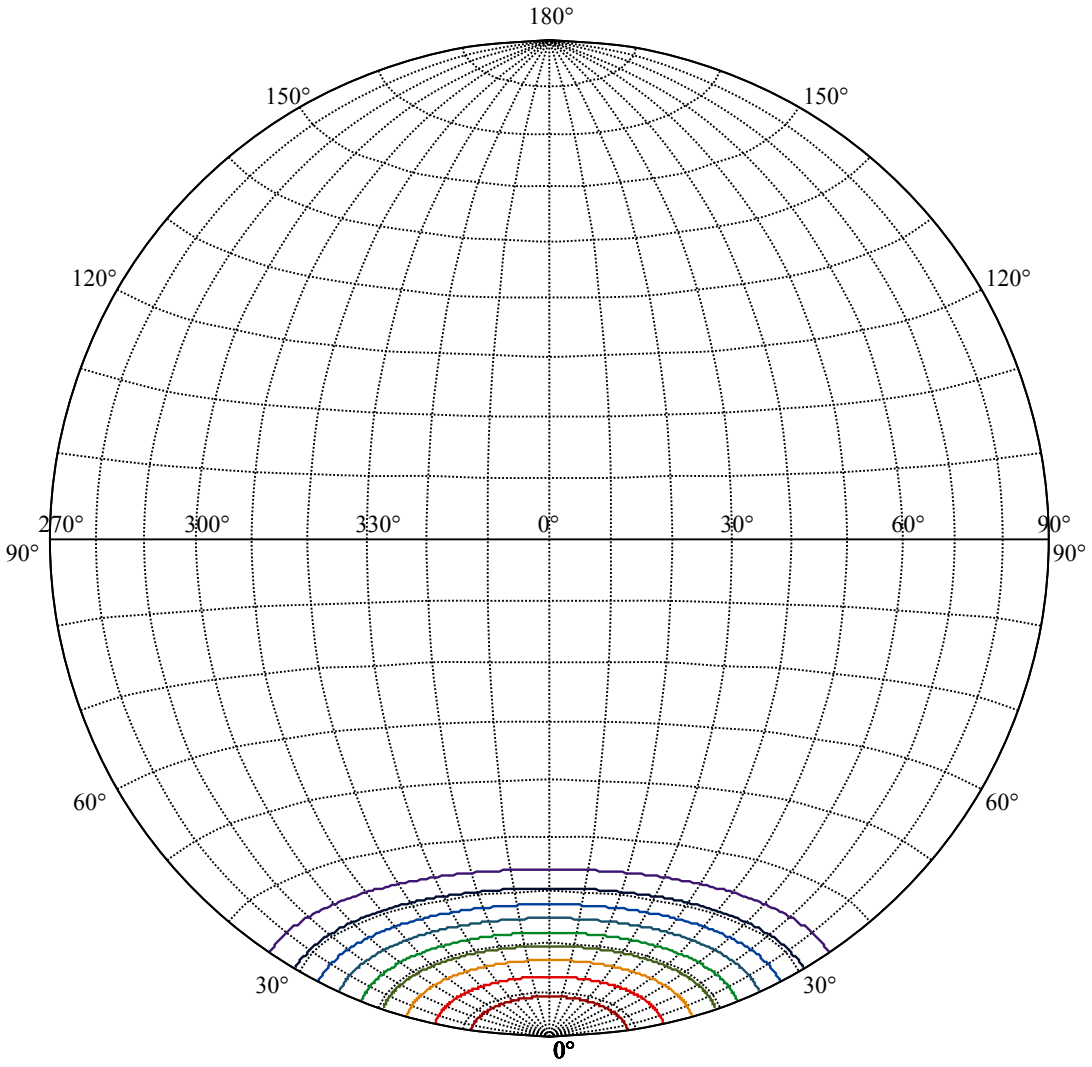


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/10
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



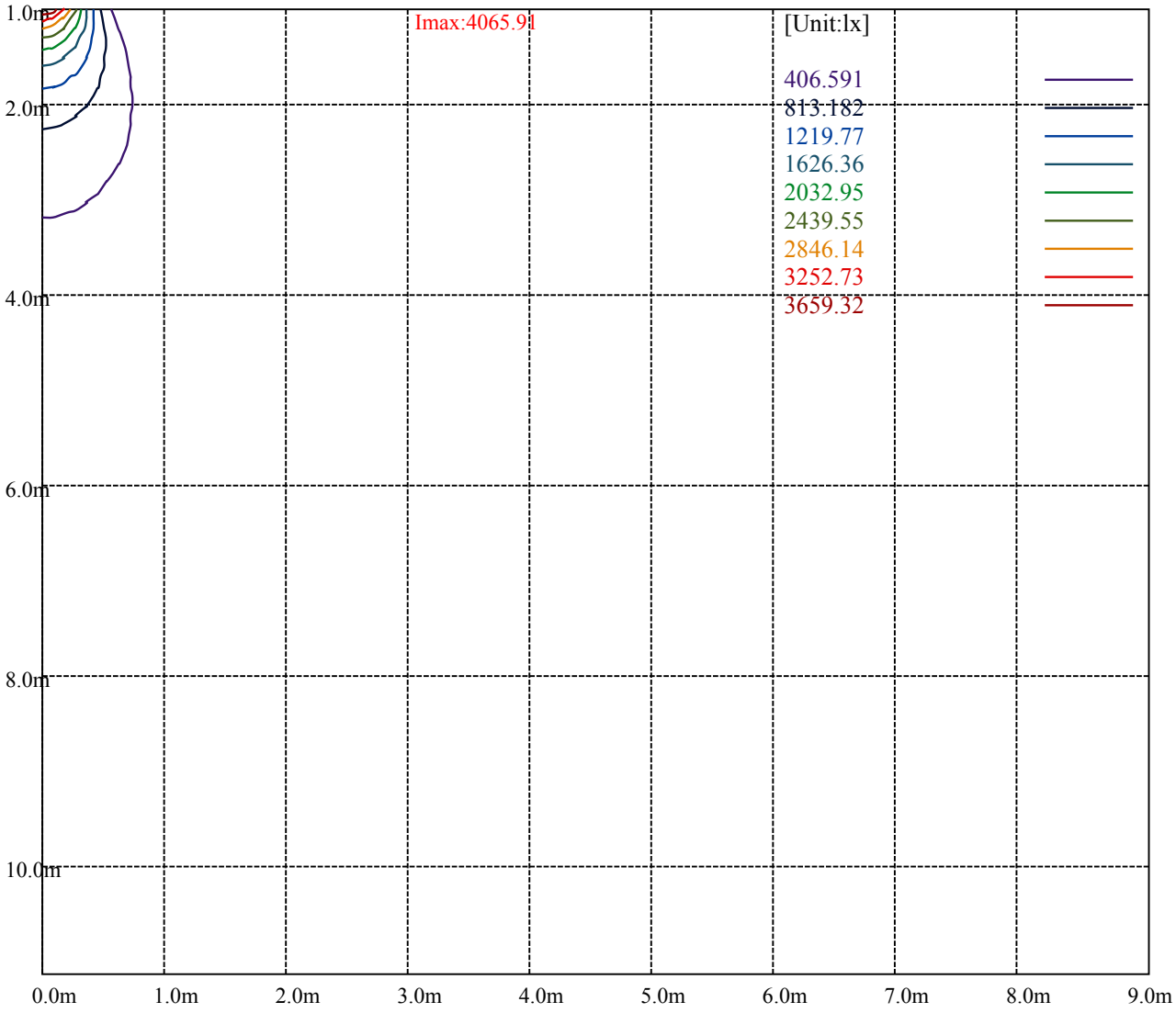
House [Unit:cd] Road

Imax:4065.91

(10%Imax) 406.591
(20%Imax) 813.182
(30%Imax) 1219.77
(40%Imax) 1626.36
(50%Imax) 2032.95
(60%Imax) 2439.55
(70%Imax) 2846.14
(80%Imax) 3252.73
(90%Imax) 3659.32

Equipment: GMS1980 Date: 2024/4/10 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/10
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2681-L

Luminance Limitting Curve(no luminous side)

Luminance Table

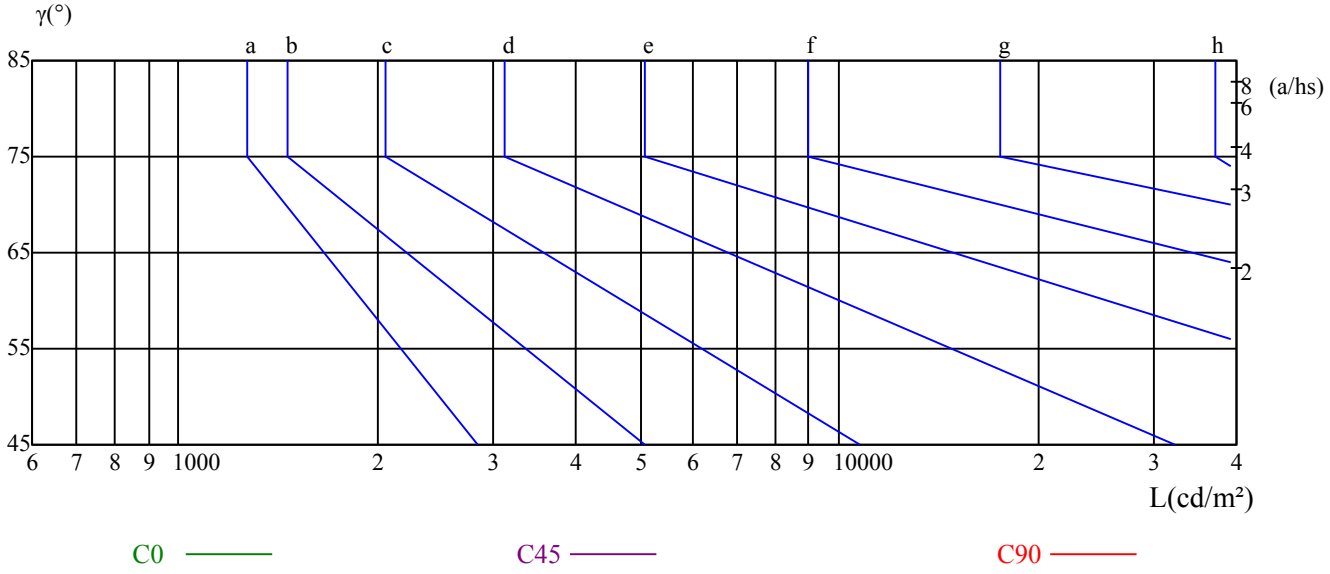
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

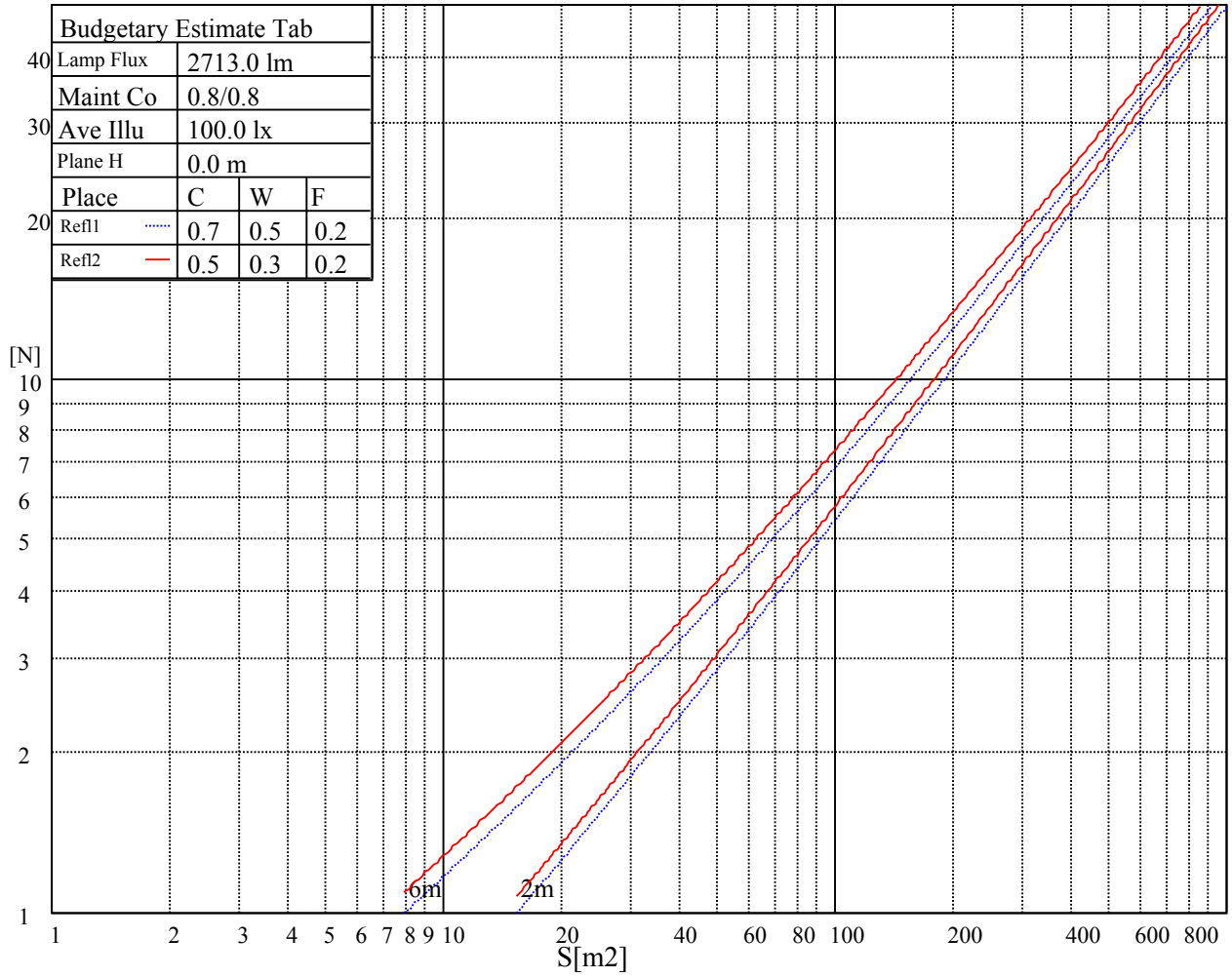
Luminance Limitting Curve



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

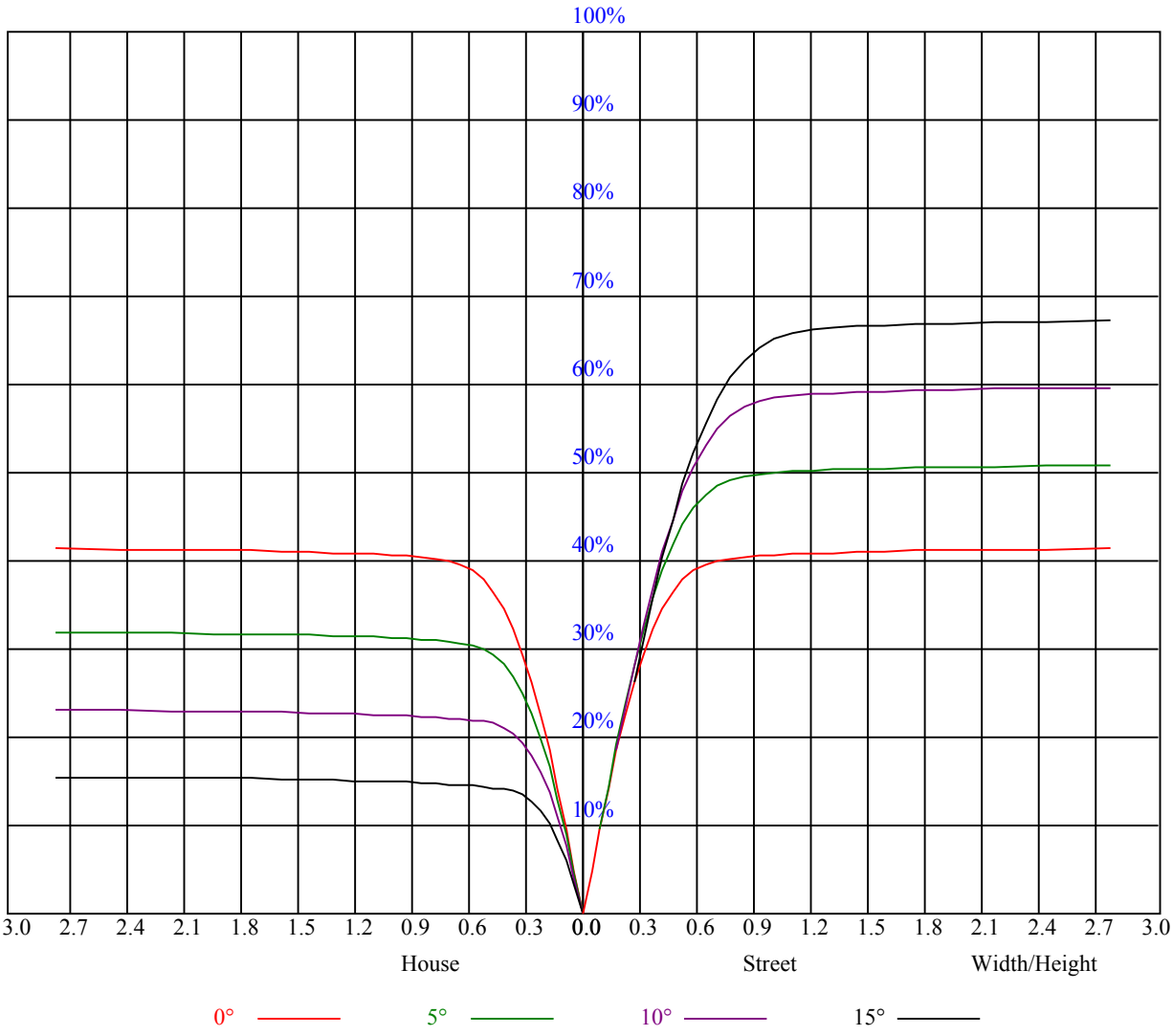


Equipment: GMS1980 Date: 2024/4/10 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

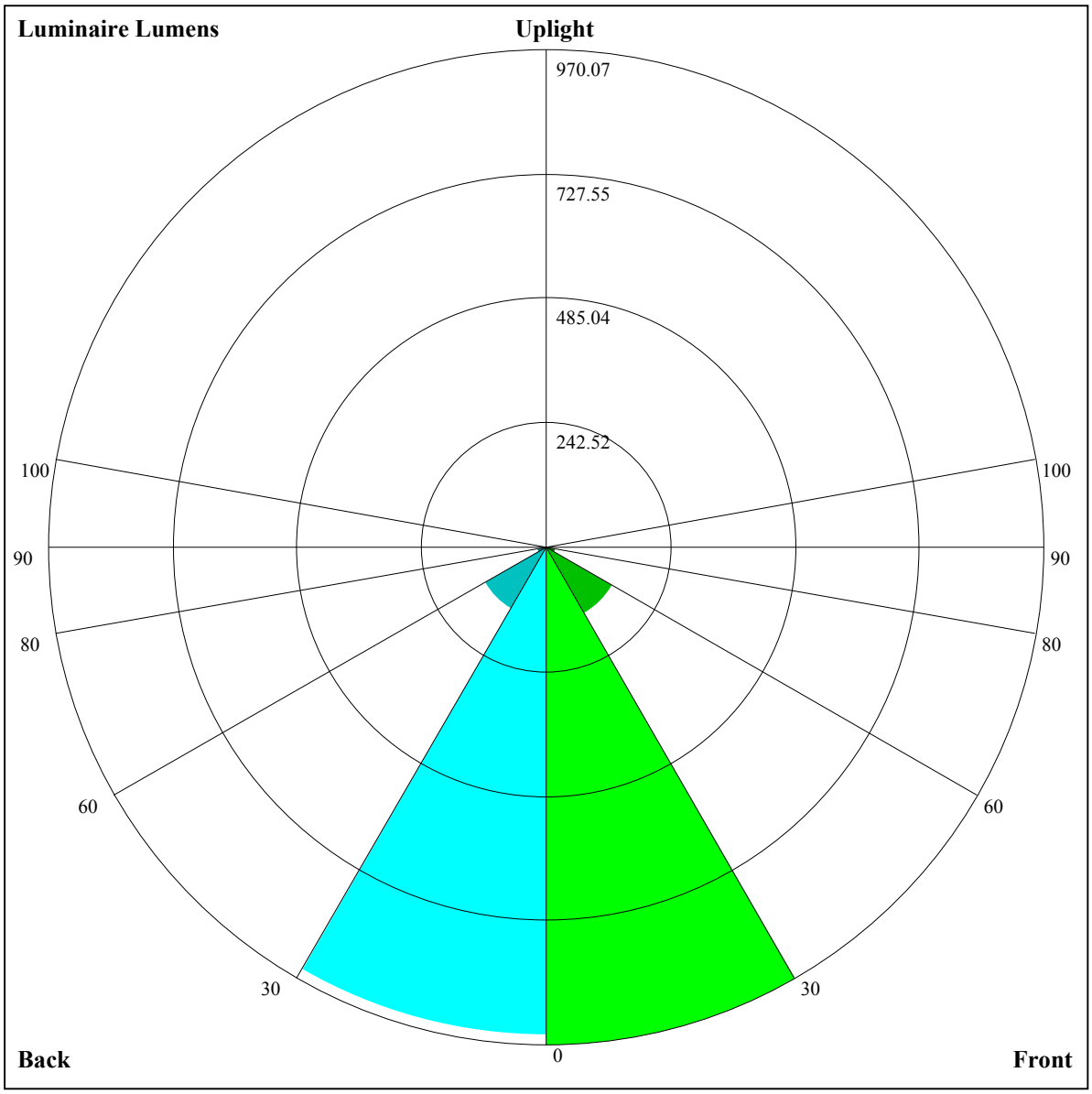
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.87	0.88	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.78
2	0.87	0.84	0.81	0.85	0.83	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.74	0.78	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.68	0.66	0.64	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	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	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/10	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=970.07,FM=150.63,FH=19.57,FVH=6.2
BL=952.91,BM=140.29,BH=19.61,BVH=6.14
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/4/10	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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	4072.05	4065.62	4050.99	4025.82	3979.59	3938.62	3882.44	3809.29	3741.40
45.0	4059.76	4067.96	4070.88	4053.91	4035.18	4000.07	3949.74	3898.24	3837.38
90.0	4067.37	4066.20	4045.13	4017.04	3984.86	3938.62	3871.91	3813.97	3741.40
135.0	4064.45	4069.71	4059.76	4033.43	4005.34	3965.54	3919.90	3859.03	3786.46
180.0	4072.05	4062.11	4048.06	4014.12	3978.42	3937.45	3887.12	3812.21	3744.91
225.0	4059.76	4035.77	4003.00	3966.13	3928.09	3856.69	3794.66	3727.36	3650.11
270.0	4067.37	4059.76	4043.38	4024.07	3980.17	3940.38	3880.10	3819.82	3741.40
315.0	4064.45	4058.01	4032.26	4000.66	3949.16	3898.24	3832.70	3757.20	3683.46
360.0	4072.05	4065.62	4050.99	4025.82	3979.59	3938.62	3882.44	3809.29	3741.40

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3667.08	3588.07	3479.22	3389.68	3291.95	3168.47	3060.79	2944.91	2826.11
45.0	3756.62	3685.22	3607.97	3503.80	3411.92	3319.45	3215.87	3079.51	2964.81
90.0	3668.25	3568.76	3482.73	3390.85	3272.64	3167.30	3060.79	2917.99	2798.60
135.0	3717.99	3626.70	3538.33	3455.81	3335.84	3231.67	3126.92	2988.80	2865.91
180.0	3671.17	3591.58	3484.49	3387.34	3264.44	3158.52	3046.15	2900.43	2775.78
225.0	3551.20	3458.74	3339.35	3241.03	3133.94	2995.83	2882.88	2757.05	2623.62
270.0	3668.25	3587.49	3505.56	3392.02	3296.05	3189.53	3050.84	2937.30	2812.06
315.0	3609.14	3501.46	3414.26	3314.77	3224.06	3085.36	2975.34	2857.13	2730.72
360.0	3667.08	3588.07	3479.22	3389.68	3291.95	3168.47	3060.79	2944.91	2826.11

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2669.85	2537.59	2362.61	2219.23	2081.70	1912.57	1783.24	1652.15	1519.89
45.0	2846.01	2720.77	2553.40	2416.45	2233.28	2097.50	1957.05	1792.02	1659.17
90.0	2666.93	2496.04	2349.15	2200.50	2027.28	1892.09	1758.66	1628.15	1456.10
135.0	2737.74	2610.16	2437.52	2292.38	2149.59	2013.23	1845.86	1717.69	1582.51
180.0	2644.69	2507.75	2321.65	2175.34	2038.98	1904.97	1744.61	1611.18	1483.02
225.0	2452.15	2308.19	2160.71	2021.43	1855.81	1724.72	1597.72	1325.59	1152.48
270.0	2652.88	2519.45	2343.88	2192.31	2051.86	1914.91	1754.56	1624.64	1494.72
315.0	2567.44	2427.57	2282.44	2106.28	1968.17	1806.65	1675.56	1546.22	1163.43
360.0	2669.85	2537.59	2362.61	2219.23	2081.70	1912.57	1783.24	1652.15	1519.89

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1163.25	1163.25	1060.37	930.92	773.43	656.51	545.96	443.78	325.74
45.0	1524.57	1382.95	1206.79	1074.53	941.10	814.69	667.22	555.44	453.61
90.0	1137.68	1137.68	1035.20	876.37	748.91	631.93	496.56	398.19	309.53
135.0	1408.11	1264.73	1094.43	960.41	831.08	713.45	568.90	465.90	371.09
180.0	1308.04	1169.34	1037.66	872.63	736.86	602.26	499.84	396.84	300.86
225.0	1152.48	986.46	853.67	734.57	591.08	487.79	392.92	306.89	213.43
270.0	1360.12	1190.41	1051.71	910.08	757.92	641.47	536.71	413.81	326.61
315.0	1163.43	1094.37	959.30	832.78	680.44	571.88	470.46	378.64	274.35
360.0	1163.25	1163.25	1060.37	930.92	773.43	656.51	545.96	443.78	325.74

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	245.33	163.28	113.59	81.87	66.36	56.65	51.38	47.58	43.83
45.0	337.15	295.60	295.60	112.54	82.11	67.48	58.17	53.08	49.33
90.0	216.42	155.73	109.44	76.66	66.48	59.17	54.19	49.51	46.53
135.0	306.72	306.72	133.26	94.28	73.74	62.50	56.18	51.73	47.46
180.0	300.86	148.71	102.24	77.13	62.38	55.71	50.97	47.17	43.72
225.0	150.17	102.71	75.73	60.98	54.19	49.57	45.24	42.55	40.38
270.0	306.13	215.36	113.12	80.23	63.79	54.43	49.51	46.00	43.19
315.0	202.55	142.62	90.42	68.94	59.40	51.62	47.70	44.54	41.49
360.0	245.33	163.28	113.59	81.87	66.36	56.65	51.38	47.58	43.83

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	41.38	39.27	37.45	35.93	34.24	33.01	31.72	30.78	29.90
45.0	45.53	43.19	41.02	39.21	37.16	35.70	34.35	33.24	31.95
90.0	44.01	41.79	39.50	37.86	36.40	34.76	33.47	32.19	31.19
135.0	44.89	42.08	40.09	38.39	36.52	35.17	34.00	32.89	31.60
180.0	41.43	39.44	37.34	35.82	34.29	33.12	32.07	31.19	30.08
225.0	38.10	36.52	34.88	33.65	32.60	31.60	30.61	29.79	29.09
270.0	40.38	38.51	36.87	35.41	33.88	32.77	31.49	30.61	29.85
315.0	39.39	37.57	35.64	34.29	33.12	32.07	30.84	30.02	29.20
360.0	41.38	39.27	37.45	35.93	34.24	33.01	31.72	30.78	29.90

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.91	28.21	27.56	26.74	26.10	25.57	24.87	24.29	23.70
45.0	31.08	30.20	29.20	28.56	27.86	27.10	26.45	25.87	25.11
90.0	30.31	29.55	28.62	27.92	27.27	26.63	25.87	25.22	24.64
135.0	30.78	29.96	29.26	28.56	27.68	26.98	26.10	25.46	24.87
180.0	29.32	28.62	27.92	26.92	26.34	25.69	25.05	24.40	23.82
225.0	28.44	27.56	26.98	26.39	25.75	25.11	24.52	23.76	23.17
270.0	28.91	28.21	27.56	27.04	26.28	25.69	25.16	24.58	23.88
315.0	28.50	27.62	27.04	26.22	25.69	25.11	24.40	23.88	23.29
360.0	28.91	28.21	27.56	26.74	26.10	25.57	24.87	24.29	23.70

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.17	22.59	21.89	21.30	20.54	19.90	19.37	18.67	18.14
45.0	24.52	23.94	23.23	22.47	21.83	21.19	20.66	19.90	19.25
90.0	23.82	23.17	22.59	21.77	21.24	20.60	19.84	19.31	18.67
135.0	24.17	23.58	22.94	22.24	21.59	20.95	20.37	19.61	19.02
180.0	23.06	22.36	21.77	21.01	20.42	19.78	19.14	18.55	18.02
225.0	22.59	21.83	21.19	20.54	19.96	19.25	18.67	18.14	17.56
270.0	23.35	22.71	22.00	21.36	20.72	20.01	19.43	18.73	18.14
315.0	22.71	22.00	21.42	20.83	20.25	19.55	19.02	18.38	17.73
360.0	23.17	22.59	21.89	21.30	20.54	19.90	19.37	18.67	18.14

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.62	16.85	16.50	15.63	15.16	14.57	14.22	13.81	13.34
45.0	18.49	17.97	17.26	16.50	15.98	15.51	15.04	14.57	14.16
90.0	17.97	17.32	16.80	16.85	17.44	16.62	15.80	14.86	13.99
135.0	18.38	17.79	17.03	16.44	15.98	15.45	15.04	14.51	14.10
180.0	17.44	16.85	16.04	15.57	15.10	14.63	14.34	14.05	13.69
225.0	16.80	16.21	15.80	16.80	17.44	17.21	16.09	15.57	13.99
270.0	17.62	17.03	16.33	16.27	16.04	15.16	14.46	14.10	13.69
315.0	17.21	16.33	15.74	15.33	14.81	14.40	14.05	13.64	13.28
360.0	17.62	16.85	16.50	15.63	15.16	14.57	14.22	13.81	13.34

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.93	12.64	12.41	11.88	11.18	10.48	10.07	9.89	9.77
45.0	13.81	13.34	13.05	12.52	11.70	10.89	10.24	10.01	9.89
90.0	13.58	13.11	12.47	11.70	10.83	10.30	10.12	9.95	9.71
135.0	13.81	13.23	12.76	12.17	11.24	10.42	10.12	9.95	9.77
180.0	13.28	12.70	12.06	11.41	10.59	10.18	10.01	9.83	9.66
225.0	12.76	12.35	11.59	10.71	10.24	10.07	9.83	9.66	9.66
270.0	13.23	12.87	12.41	11.70	10.94	10.36	10.01	9.83	9.71
315.0	12.82	12.41	12.06	11.41	10.77	10.18	10.01	9.77	9.71
360.0	12.93	12.64	12.41	11.88	11.18	10.48	10.07	9.89	9.77

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.71
90.0	9.66
135.0	9.66
180.0	9.66
225.0	9.66
270.0	9.66
315.0	9.71
360.0	9.77