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

NT

Client:
LumCAT: 2-2685-L
Luminaire: 92.70.411.00
Report No: 2024408-B004
Ballast type: AC

Test No: 2024408-C004	Voltage(V): 34.830
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2378.0	Power (W): 13.966
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2033.22, Efficiency(%): 85.50% , Luminous Efficacy(lm/W): 145.58
Central intensity(cd): 3449.375, Maximum intensity(cd): 3449.375
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=45.4
[C90/270]Total=45.4
Field angle(10%Imax): [C0/180]Total=69.8
[C90/270]Total=69.8
Maximum s/h(1/2): C0_180=0.72 C90_270=0.72
Maximum s/h(1/4): C0_180=0.72 C90_270=0.72
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.50%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.928%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3449.375	0.000	0	0.00%	0.00%
1.0	3444.912	3.299	3.299	0.14%	0.16%
2.0	3434.378	9.874	13.173	0.42%	0.65%
3.0	3418.724	16.390	29.563	0.69%	1.45%
4.0	3397.582	22.816	52.379	0.96%	2.58%
5.0	3370.735	29.117	81.496	1.22%	4.01%
6.0	3335.036	35.241	116.737	1.48%	5.74%
7.0	3297.143	41.166	157.903	1.73%	7.77%
8.0	3244.034	46.814	204.717	1.97%	10.07%
9.0	3185.146	52.105	256.822	2.19%	12.63%
10.0	3116.308	57.026	313.848	2.40%	15.44%
11.0	3039.425	61.508	375.356	2.59%	18.46%
12.0	2955.445	65.533	440.888	2.76%	21.68%
13.0	2863.272	69.054	509.942	2.90%	25.08%
14.0	2766.710	72.063	582.005	3.03%	28.62%
15.0	2664.881	74.567	656.573	3.14%	32.29%
16.0	2547.836	76.381	732.953	3.21%	36.05%
17.0	2437.009	77.627	810.581	3.26%	39.87%
18.0	2312.209	78.304	888.885	3.29%	43.72%
19.0	2190.409	78.336	967.221	3.29%	47.57%
20.0	2054.271	77.689	1044.911	3.27%	51.39%
21.0	1931.008	76.525	1121.436	3.22%	55.16%
22.0	1804.966	75.076	1196.512	3.16%	58.85%
23.0	1681.556	73.157	1269.669	3.08%	62.45%
24.0	1564.438	70.969	1340.638	2.98%	65.94%
25.0	1408.088	67.589	1408.227	2.84%	69.26%
26.0	1305.505	64.055	1472.281	2.69%	72.41%
27.0	1205.600	61.435	1533.716	2.58%	75.43%
28.0	1112.279	58.684	1592.4	2.47%	78.32%
29.0	998.686	55.229	1647.629	2.32%	81.04%
30.0	876.930	50.641	1698.27	2.13%	83.53%
31.0	764.896	45.690	1743.96	1.92%	85.77%
32.0	645.993	40.420	1784.38	1.70%	87.76%
33.0	538.487	34.895	1819.275	1.47%	89.48%
34.0	435.137	29.465	1848.74	1.24%	90.93%
35.0	337.207	23.986	1872.726	1.01%	92.11%
36.0	275.275	19.502	1892.228	0.82%	93.07%
37.0	206.248	15.705	1907.932	0.66%	93.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	155.348	12.070	1920.002	0.51%	94.43%
39.0	90.205	8.381	1928.383	0.35%	94.84%
40.0	71.588	5.643	1934.026	0.24%	95.12%
41.0	61.119	4.726	1938.752	0.20%	95.35%
42.0	54.689	4.208	1942.959	0.18%	95.56%
43.0	49.759	3.869	1946.828	0.16%	95.75%
44.0	45.699	3.603	1950.431	0.15%	95.93%
45.0	42.253	3.380	1953.811	0.14%	96.09%
46.0	39.569	3.200	1957.011	0.13%	96.25%
47.0	37.125	3.050	1960.061	0.13%	96.40%
48.0	35.128	2.921	1962.982	0.12%	96.55%
49.0	33.204	2.806	1965.788	0.12%	96.68%
50.0	31.500	2.698	1968.486	0.11%	96.82%
51.0	29.920	2.599	1971.085	0.11%	96.94%
52.0	28.457	2.505	1973.59	0.11%	97.07%
53.0	27.184	2.420	1976.01	0.10%	97.19%
54.0	26.035	2.346	1978.356	0.10%	97.30%
55.0	24.989	2.278	1980.633	0.10%	97.41%
56.0	24.023	2.215	1982.848	0.09%	97.52%
57.0	23.138	2.156	1985.004	0.09%	97.63%
58.0	22.180	2.096	1987.1	0.09%	97.73%
59.0	21.236	2.030	1989.13	0.09%	97.83%
60.0	20.315	1.963	1991.093	0.08%	97.93%
61.0	19.400	1.895	1992.988	0.08%	98.02%
62.0	18.449	1.824	1994.812	0.08%	98.11%
63.0	17.593	1.753	1996.565	0.07%	98.20%
64.0	16.759	1.686	1998.251	0.07%	98.28%
65.0	16.042	1.623	1999.874	0.07%	98.36%
66.0	15.384	1.568	2001.442	0.07%	98.44%
67.0	14.828	1.519	2002.961	0.06%	98.51%
68.0	14.338	1.477	2004.438	0.06%	98.58%
69.0	14.009	1.446	2005.885	0.06%	98.66%
70.0	13.826	1.430	2007.314	0.06%	98.73%
71.0	13.797	1.428	2008.742	0.06%	98.80%
72.0	13.863	1.438	2010.18	0.06%	98.87%
73.0	13.936	1.454	2011.634	0.06%	98.94%
74.0	14.009	1.469	2013.103	0.06%	99.01%
75.0	14.031	1.482	2014.584	0.06%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.987	1.487	2016.072	0.06%	99.16%
77.0	13.877	1.486	2017.557	0.06%	99.23%
78.0	13.724	1.477	2019.035	0.06%	99.30%
79.0	13.475	1.461	2020.496	0.06%	99.37%
80.0	13.175	1.437	2021.933	0.06%	99.44%
81.0	12.729	1.401	2023.334	0.06%	99.51%
82.0	12.143	1.349	2024.682	0.06%	99.58%
83.0	11.405	1.280	2025.962	0.05%	99.64%
84.0	10.585	1.198	2027.16	0.05%	99.70%
85.0	9.876	1.117	2028.277	0.05%	99.76%
86.0	9.386	1.053	2029.33	0.04%	99.81%
87.0	9.049	1.009	2030.339	0.04%	99.86%
88.0	8.815	0.979	2031.317	0.04%	99.91%
89.0	8.676	0.959	2032.276	0.04%	99.95%
90.0	8.610	0.948	2033.224	0.04%	100.00%

Zonal flux distribution table

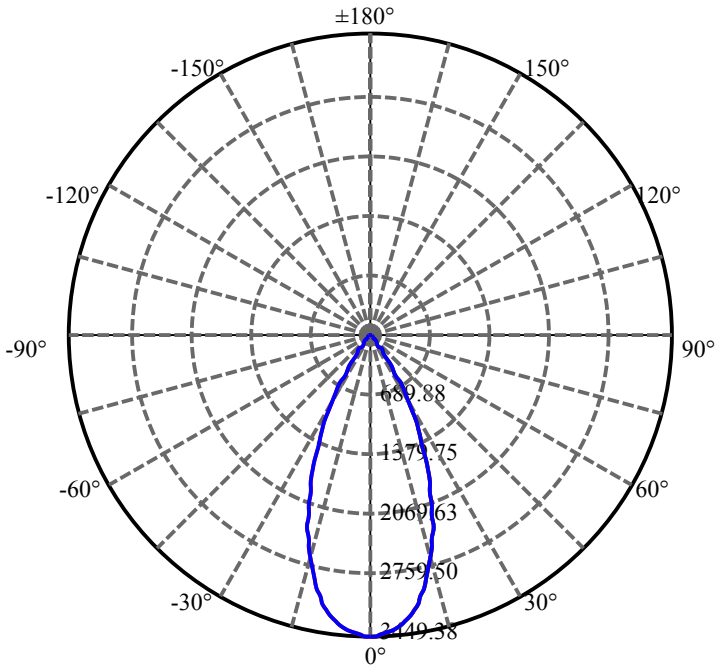
ZONAL LUMEN SUMMARY

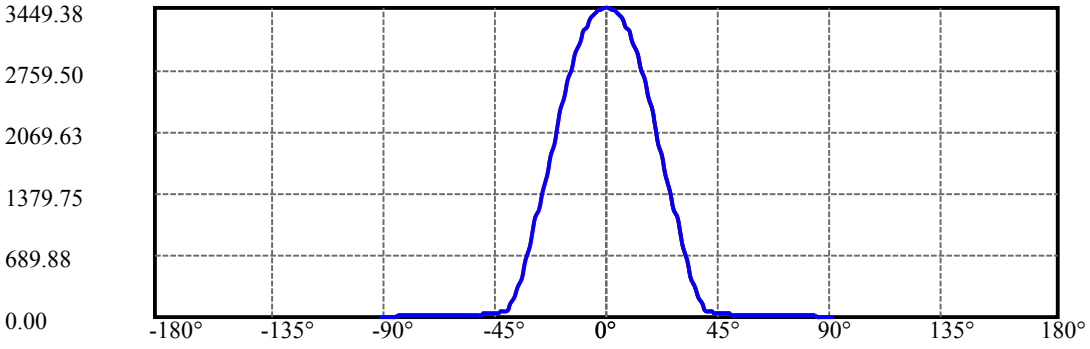
Zone	Lumens	%Lamp	%Fixt
0-30	1698.27	71.42%	83.53%
0-40	1934.03	81.33%	95.12%
0-60	1991.09	83.73%	97.93%
0-90	2032.28	85.46%	99.95%
0-120	2032.28	85.46%	99.95%
0-180	2033.22	85.50%	100.00%
60-90	41.18	1.73%	2.03%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.62	1626.58	68.40%	80.00%

ZONAL LUMEN SUMMARY

0-10	313.85
10-20	731.06
20-30	653.36
30-40	235.76
40-50	34.46
50-60	22.61
60-70	16.22
70-80	14.62
80-90	10.34
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):

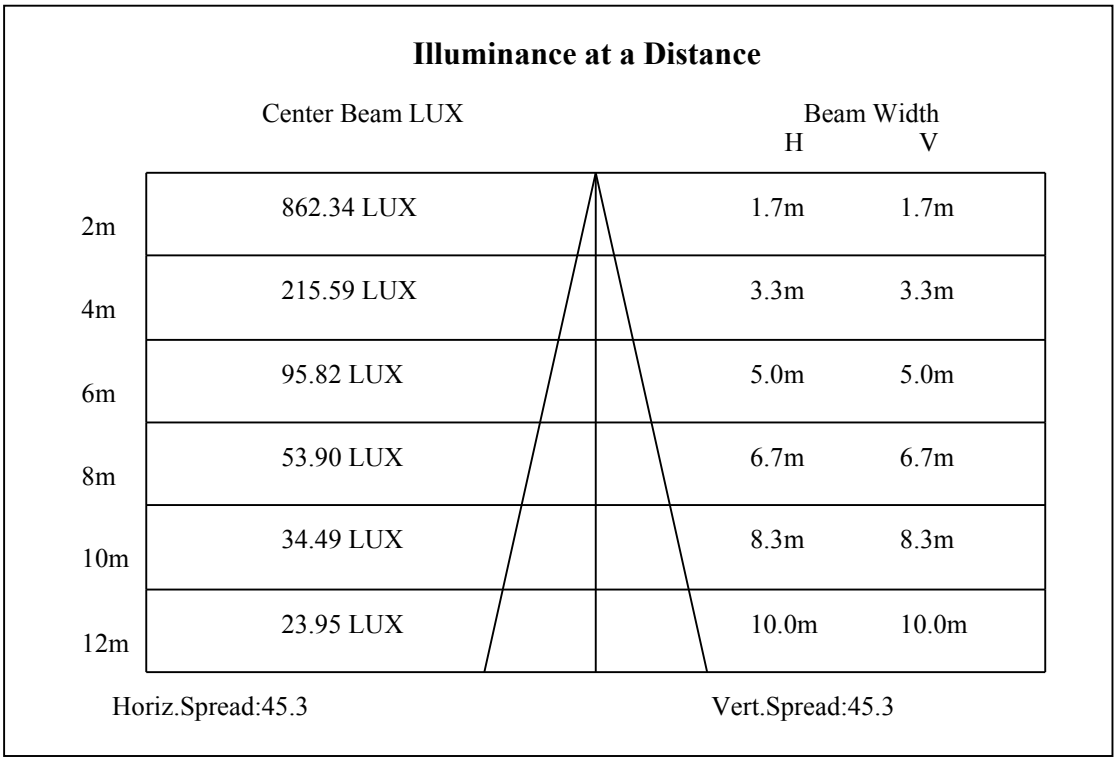
C0/C180:

C90/C270:

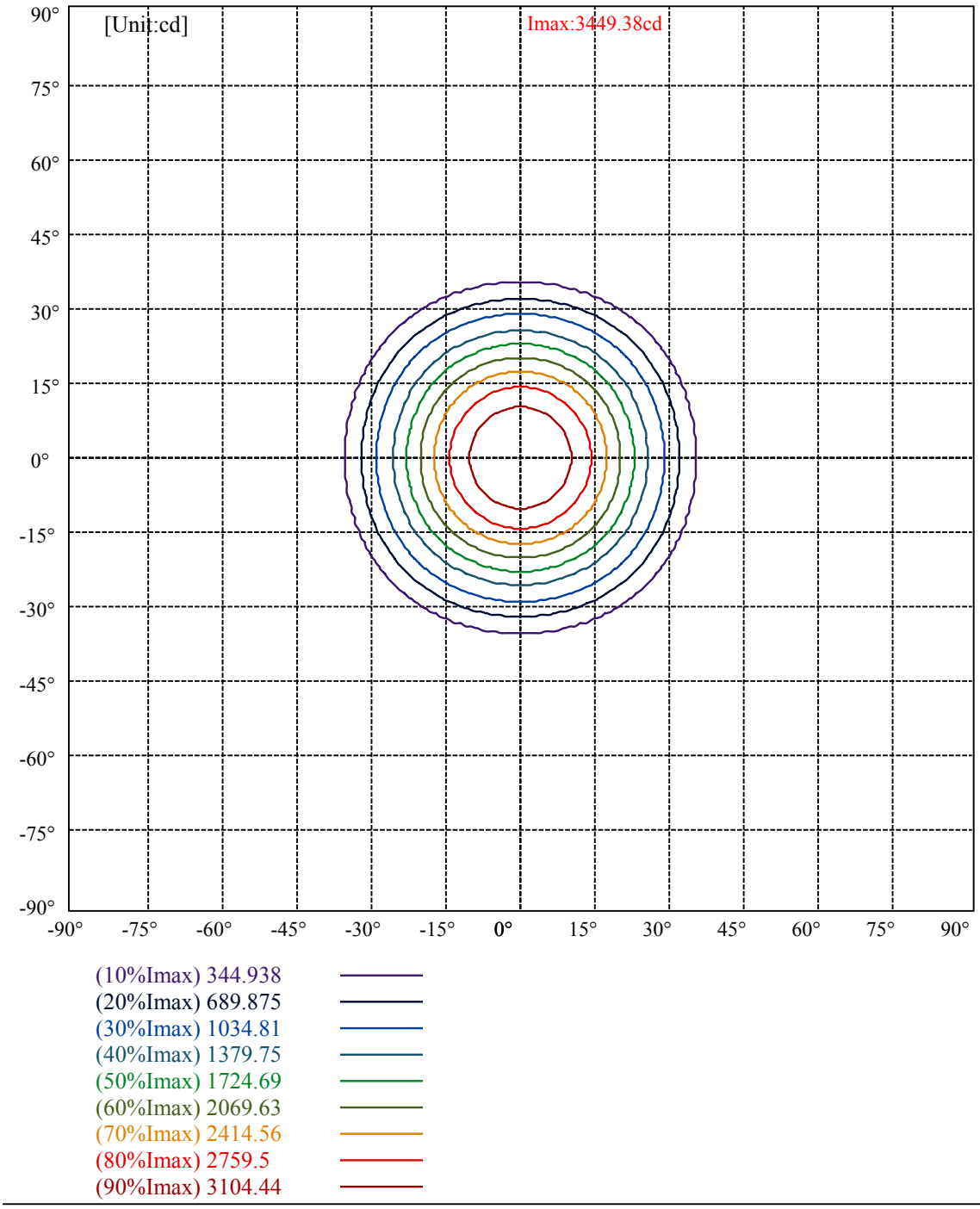
Field angle(10%Imax):C0/180Left:34.9 Right:34.9
:C90/270Left:34.9 Right:34.9

Beam Angle(50%Imax):C0/180Left:22.7 Right:22.7
:C90/270Left:22.7 Right:22.7

Lux distance Curve



ISO-Intensity(V-H)

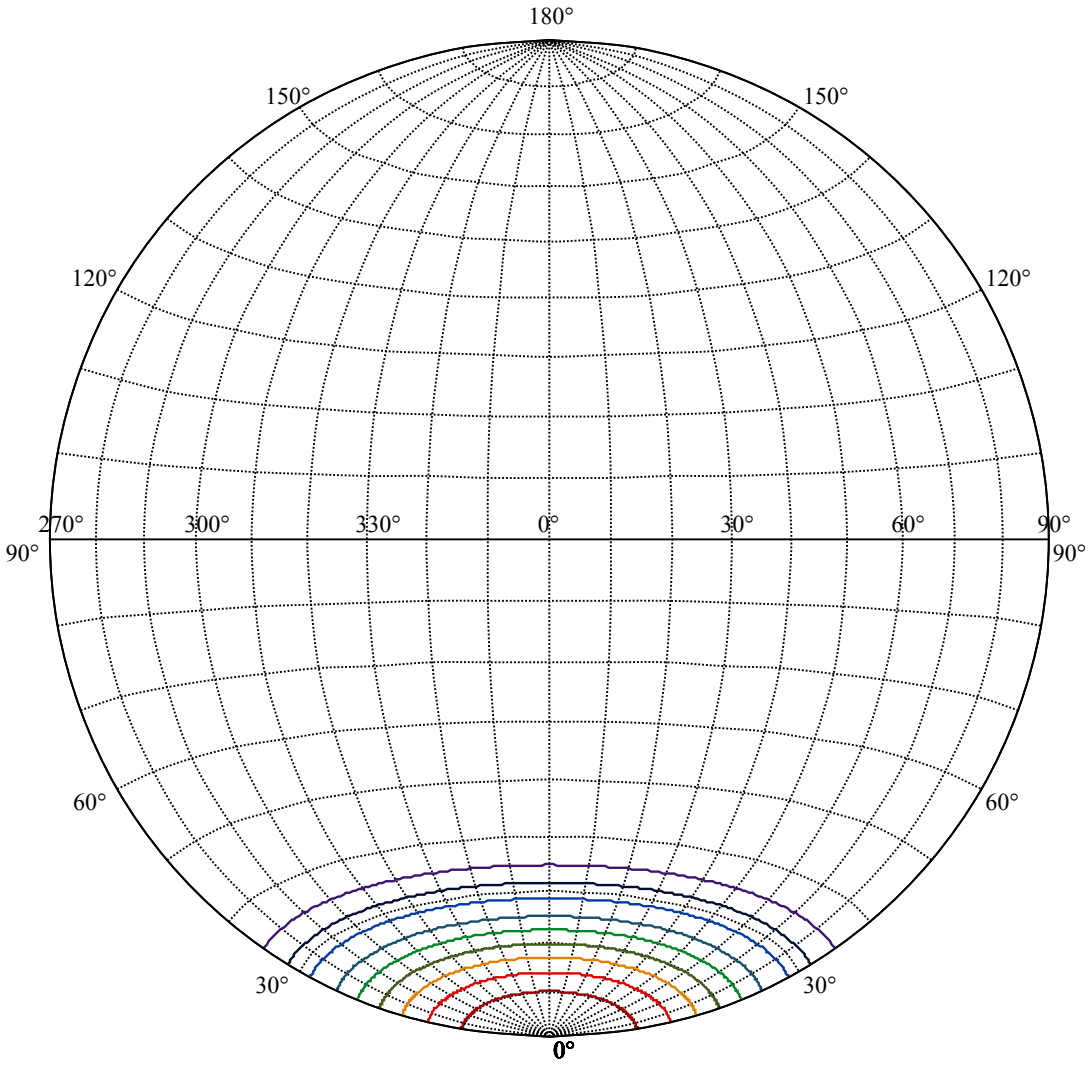


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



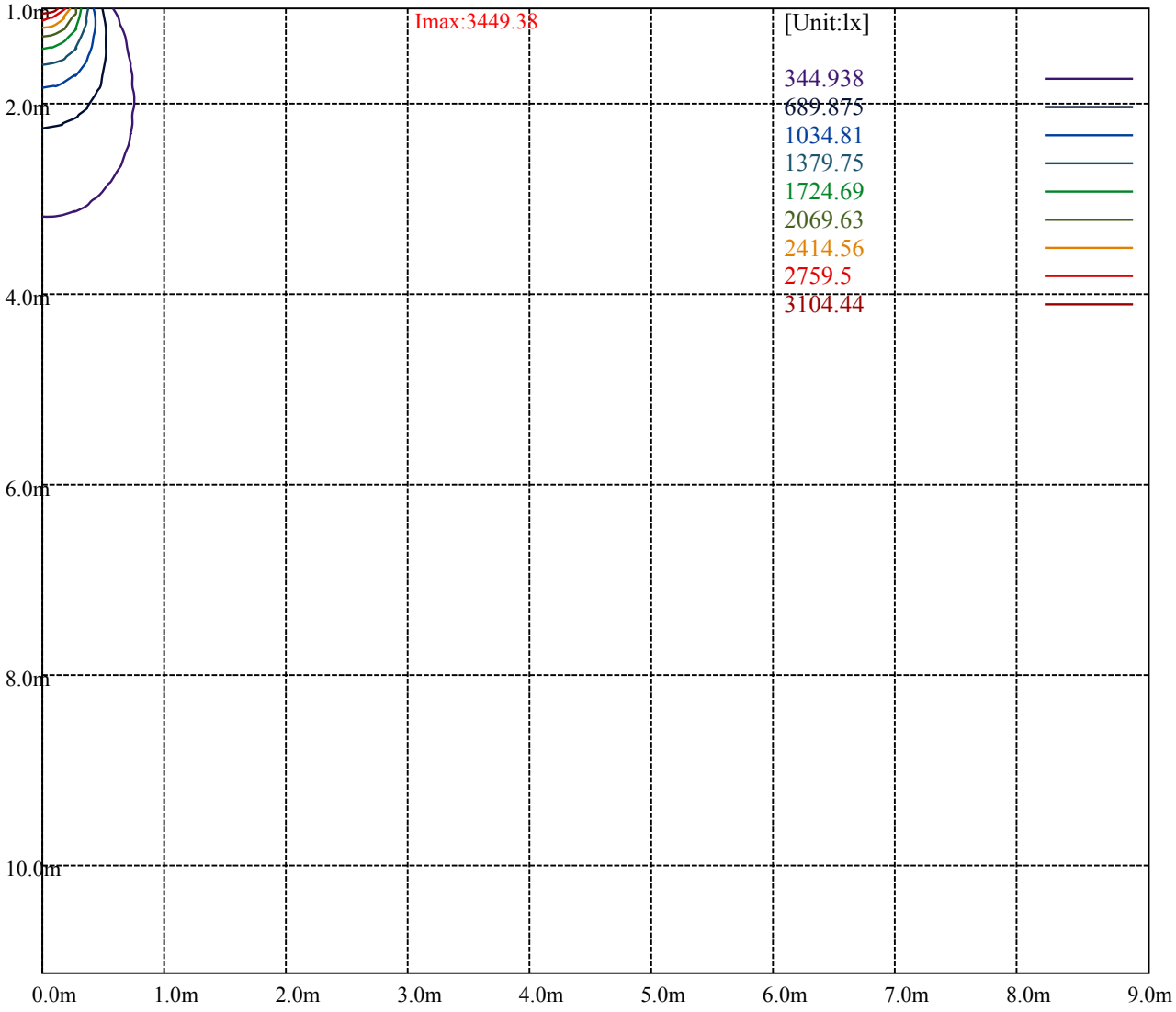
House [Unit:cd] Road

Imax:3449.38

(10%Imax) 344.938
(20%Imax) 689.875
(30%Imax) 1034.81
(40%Imax) 1379.75
(50%Imax) 1724.69
(60%Imax) 2069.63
(70%Imax) 2414.56
(80%Imax) 2759.5
(90%Imax) 3104.44

Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

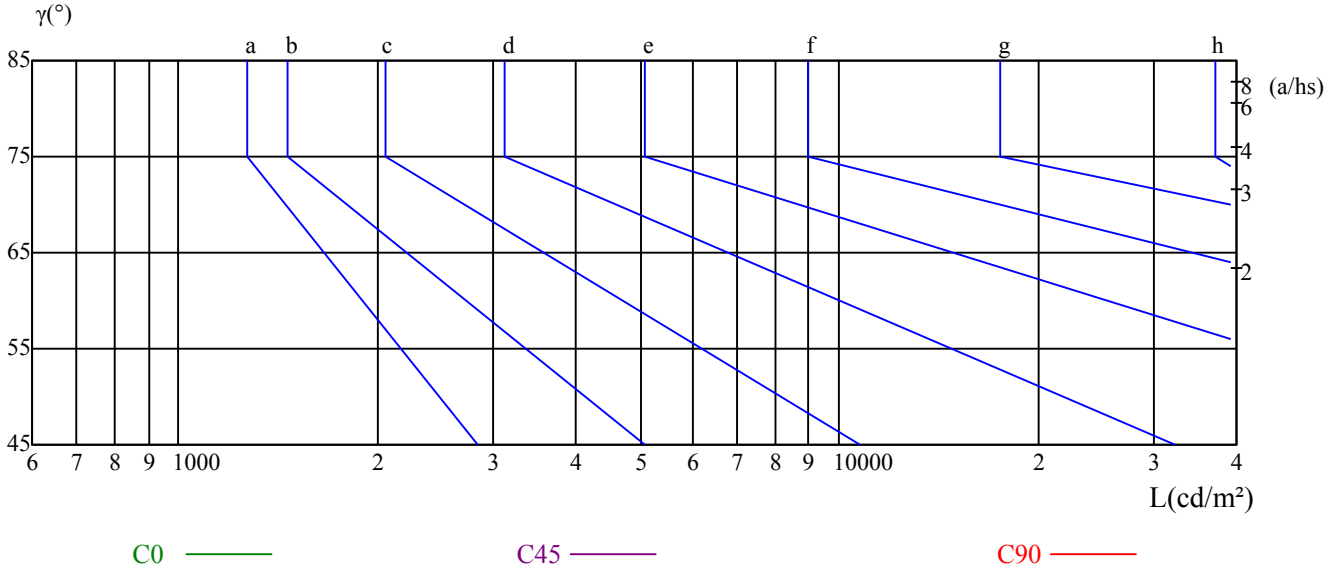
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

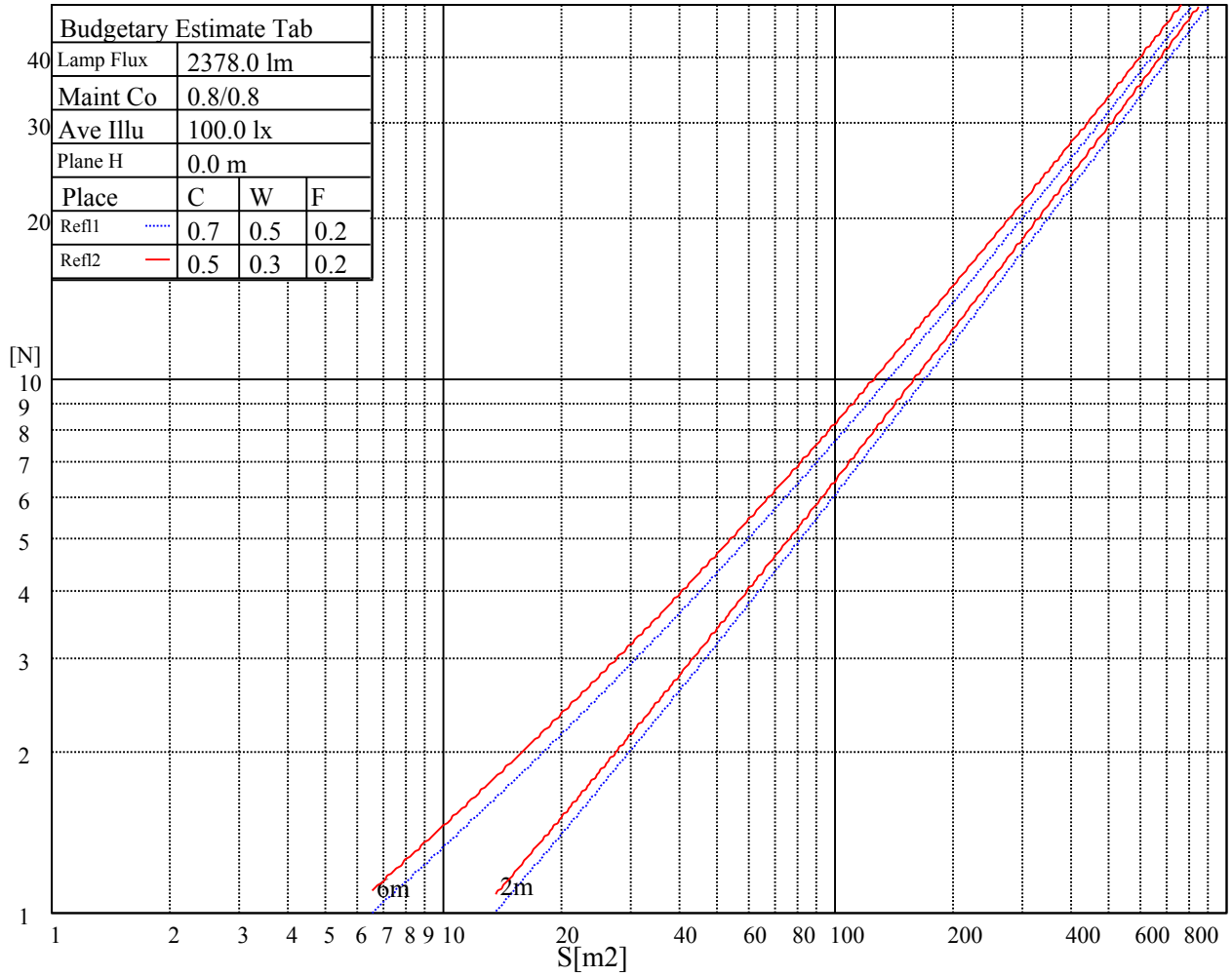
Date: 2024/4/08
Humidity(%): 60.0%

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

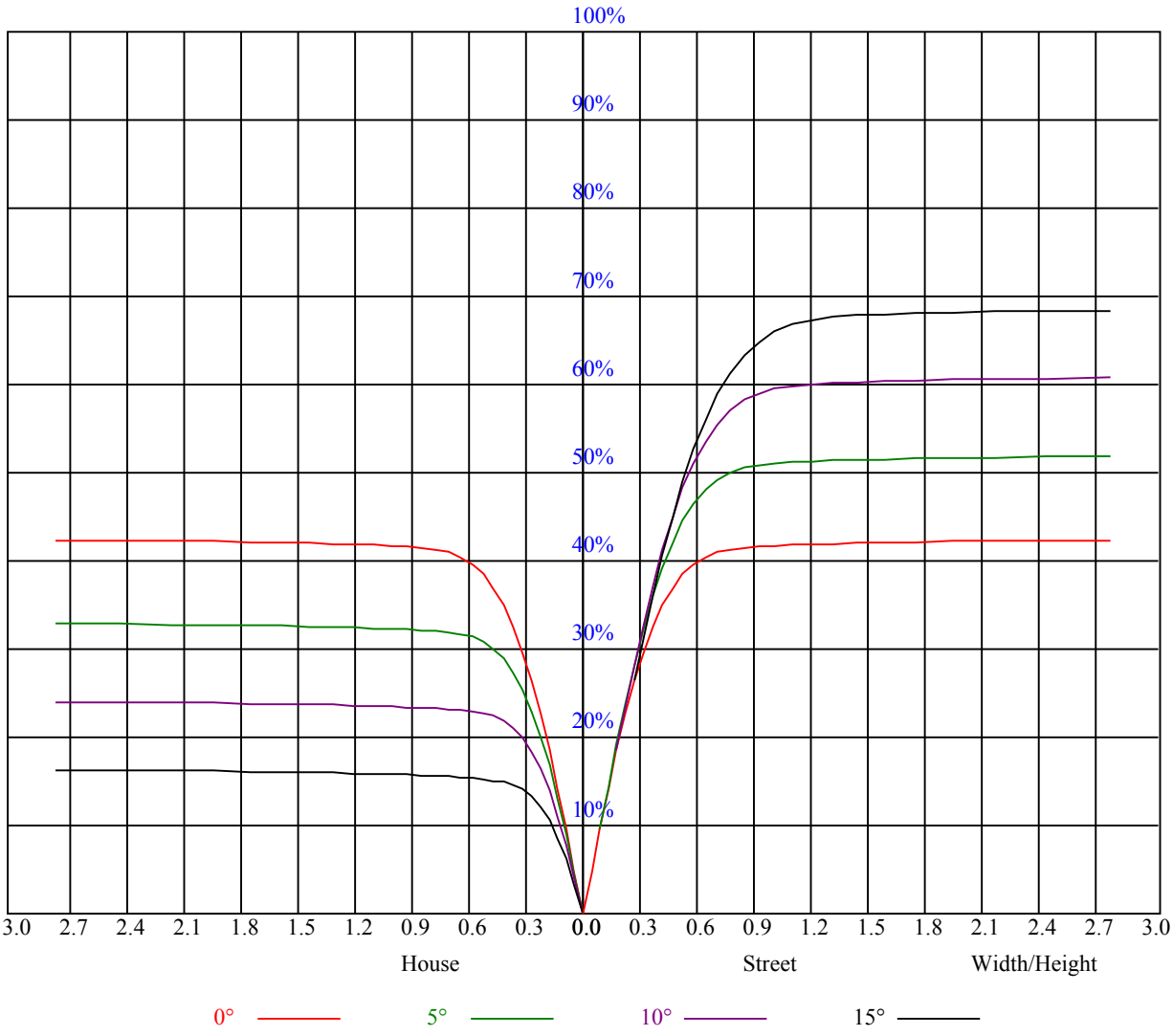


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

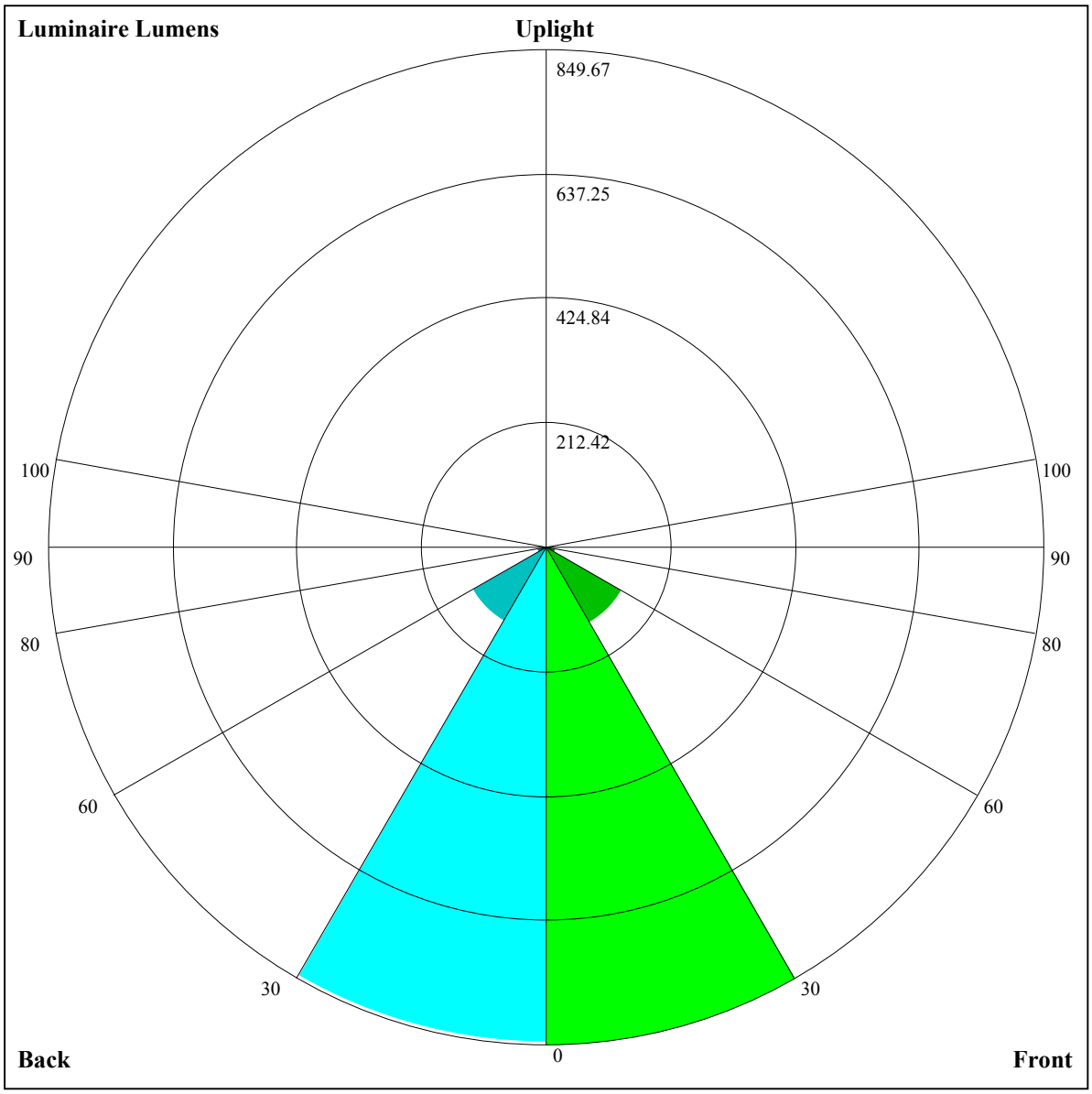
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.84	0.80	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.73	0.76	0.74	0.72	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	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	0.57	0.53	0.51	0.56	0.53	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:

FL=849.67,FM=147.3,FH=15.4,FVH=5.69

BL=843.76,BM=146.9,BH=15.44,BVH=5.62

UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/4/08	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	3454.06	3454.06	3444.69	3431.82	3417.19	3382.66	3353.98	3314.19	3250.98
45.0	3443.52	3454.64	3457.57	3453.47	3436.50	3418.36	3398.46	3375.64	3324.72
90.0	3450.55	3452.89	3442.94	3427.14	3410.16	3386.76	3353.98	3320.04	3266.78
135.0	3449.37	3450.55	3448.79	3437.67	3418.36	3397.87	3373.30	3345.20	3298.97
180.0	3454.06	3445.28	3430.65	3414.85	3397.29	3368.03	3332.91	3298.39	3255.08
225.0	3443.52	3420.11	3403.14	3380.32	3346.96	3318.28	3265.61	3214.70	3153.84
270.0	3450.55	3443.52	3427.72	3404.90	3382.66	3354.57	3313.60	3270.30	3220.55
315.0	3449.37	3438.26	3419.53	3399.63	3371.54	3339.35	3288.44	3238.69	3181.34
360.0	3454.06	3454.06	3444.69	3431.82	3417.19	3382.66	3353.98	3314.19	3250.98

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3193.05	3130.43	3056.69	2979.44	2872.34	2780.46	2659.91	2551.64	2441.62
45.0	3284.93	3235.77	3160.86	3091.22	3015.72	2912.72	2823.18	2706.72	2609.58
90.0	3215.28	3150.32	3056.10	2980.02	2898.09	2786.31	2692.09	2592.02	2488.44
135.0	3250.98	3195.39	3133.94	3040.89	2964.22	2883.46	2796.85	2676.29	2575.05
180.0	3190.12	3128.67	3055.52	2978.27	2874.10	2785.73	2687.41	2563.34	2455.66
225.0	3085.95	2989.39	2906.87	2815.58	2722.53	2621.28	2491.95	2380.17	2234.45
270.0	3147.40	3079.51	3000.51	2895.17	2804.46	2705.55	2608.99	2486.09	2379.00
315.0	3113.46	3020.99	2944.91	2862.98	2754.71	2658.15	2558.66	2426.40	2312.28
360.0	3193.05	3130.43	3056.69	2979.44	2872.34	2780.46	2659.91	2551.64	2441.62

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2301.16	2178.27	2060.05	1910.23	1785.58	1667.95	1557.34	1419.81	1157.46
45.0	2503.07	2393.04	2249.08	2130.86	2012.06	1890.92	1742.27	1629.32	1512.28
90.0	2350.32	2232.11	2114.48	1996.26	1846.44	1736.42	1624.64	1492.38	1389.38
135.0	2438.69	2330.42	2184.70	2065.32	1945.35	1830.06	1689.02	1577.24	1467.80
180.0	2337.45	2214.55	2072.34	1955.30	1797.87	1687.26	1579.58	1464.29	1335.54
225.0	2112.72	1992.16	1843.52	1726.47	1615.28	1481.85	1375.34	1146.28	1146.28
270.0	2265.46	2146.08	1992.16	1871.02	1756.90	1614.69	1509.35	1380.60	1280.53
315.0	2188.80	2036.64	1917.84	1792.60	1680.24	1543.30	1437.96	1154.77	1154.77
360.0	2301.16	2178.27	2060.05	1910.23	1785.58	1667.95	1557.34	1419.81	1157.46

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1157.46	1104.44	970.01	865.55	759.51	627.19	520.03	394.97	304.26
45.0	1402.84	1270.58	1169.34	1038.25	928.23	818.79	690.04	587.62	486.97
90.0	1161.03	1161.03	1052.47	944.44	807.49	699.70	598.04	497.03	381.10
135.0	1360.71	1233.13	1131.88	1028.30	919.45	786.60	680.09	552.51	454.19
180.0	1237.81	1132.47	1029.47	901.89	789.53	658.44	553.10	443.66	335.39
225.0	1044.33	934.25	823.29	683.84	577.97	476.43	384.26	300.22	209.04
270.0	1177.53	1069.85	931.74	810.60	699.40	594.06	469.99	379.87	297.94
315.0	1103.09	992.48	881.29	742.59	637.60	506.75	412.35	325.21	228.76
360.0	1157.46	1104.44	970.01	865.55	759.51	627.19	520.03	394.97	304.26

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	225.90	163.28	105.40	78.77	67.24	60.63	53.72	49.28	45.41
45.0	393.91	307.30	307.30	142.50	98.96	72.33	63.73	57.59	52.32
90.0	295.89	218.46	154.32	95.16	72.63	63.61	55.83	50.86	45.82
135.0	362.90	298.52	298.52	119.39	84.45	66.36	59.58	54.02	49.28
180.0	313.74	313.74	124.71	82.40	68.24	61.39	54.07	49.51	45.71
225.0	148.00	93.75	72.63	62.85	57.24	52.32	48.05	44.54	40.91
270.0	297.94	141.74	96.27	72.80	63.03	57.00	51.85	46.70	43.48
315.0	163.92	113.18	83.63	67.77	60.92	55.30	50.68	45.59	42.66
360.0	225.90	163.28	105.40	78.77	67.24	60.63	53.72	49.28	45.41

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	42.37	39.21	36.93	34.70	33.01	31.49	29.67	28.44	27.21
45.0	47.23	43.89	40.38	37.98	35.87	33.59	31.95	30.43	29.09
90.0	42.78	39.97	37.16	35.23	33.47	31.89	30.08	28.79	27.51
135.0	44.71	41.73	39.27	37.16	34.76	33.07	31.60	29.79	28.50
180.0	42.66	40.03	37.22	35.35	33.59	31.54	30.08	28.32	27.10
225.0	38.62	36.52	34.76	32.71	31.13	29.67	27.97	26.80	25.52
270.0	40.15	37.86	35.82	34.12	32.07	30.61	29.20	27.86	26.45
315.0	39.50	37.34	35.46	33.77	31.72	30.14	28.79	27.21	26.10
360.0	42.37	39.21	36.93	34.70	33.01	31.49	29.67	28.44	27.21

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.16	24.99	24.11	23.23	22.30	21.24	20.37	19.49	18.43
45.0	27.51	26.39	25.40	24.52	23.41	22.59	21.65	20.60	19.72
90.0	26.34	25.22	24.29	23.47	22.41	21.54	20.72	19.66	18.79
135.0	27.04	25.98	25.05	24.23	23.17	22.30	21.42	20.60	19.43
180.0	26.04	24.87	23.99	23.12	22.18	21.07	20.25	19.37	18.49
225.0	24.64	23.76	22.59	21.71	20.89	20.01	18.90	18.08	17.26
270.0	25.46	24.52	23.70	22.59	21.71	20.66	19.84	18.90	17.79
315.0	25.11	24.17	23.06	22.24	21.36	20.48	19.37	18.49	17.67
360.0	26.16	24.99	24.11	23.23	22.30	21.24	20.37	19.49	18.43

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.67	16.80	16.09	15.51	14.81	14.28	13.93	13.81	13.75
45.0	18.84	17.79	17.09	16.21	15.63	15.16	14.63	14.05	13.81
90.0	17.91	17.03	16.33	15.74	15.22	14.51	14.05	13.81	13.75
135.0	18.61	17.79	16.80	16.04	15.45	14.92	14.40	13.93	13.87
180.0	17.50	16.74	16.04	15.22	14.81	14.16	13.93	13.81	13.87
225.0	16.50	15.68	15.16	14.69	14.05	13.87	13.75	13.87	13.93
270.0	17.03	16.27	15.63	14.92	14.46	13.99	13.75	13.69	13.69
315.0	16.68	15.98	15.22	14.75	14.22	13.81	13.64	13.64	13.69
360.0	17.67	16.80	16.09	15.51	14.81	14.28	13.93	13.81	13.75

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.81	13.93	13.93	13.93	13.87	13.75	13.52	13.34	12.99
45.0	13.75	13.75	13.87	13.93	13.99	13.99	13.93	13.75	13.52
90.0	13.75	13.87	13.93	13.99	13.99	13.87	13.75	13.58	13.34
135.0	13.93	13.99	14.16	14.28	14.28	14.22	14.10	13.93	13.81
180.0	13.99	14.10	14.16	14.22	14.16	14.05	13.93	13.69	13.40
225.0	14.10	14.10	14.16	14.10	13.99	13.81	13.58	13.17	12.76
270.0	13.81	13.93	13.99	13.99	13.93	13.81	13.58	13.28	12.93
315.0	13.75	13.81	13.87	13.81	13.69	13.52	13.40	13.05	12.64
360.0	13.81	13.93	13.93	13.93	13.87	13.75	13.52	13.34	12.99

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.41	12.00	11.59	10.65	10.01	9.54	9.25	8.90	8.60
45.0	13.28	13.05	12.47	11.88	10.94	10.24	9.60	9.25	8.95
90.0	13.17	12.58	12.17	11.00	10.30	9.54	9.13	8.90	8.78
135.0	13.46	13.11	12.23	11.41	10.42	9.71	9.19	8.90	8.78
180.0	12.87	12.17	11.24	10.30	9.60	9.07	8.90	8.72	8.54
225.0	11.94	10.94	10.07	9.42	9.01	8.84	8.66	8.54	8.54
270.0	12.64	11.82	10.89	10.07	9.31	9.01	8.78	8.66	8.60
315.0	12.06	11.47	10.59	9.95	9.42	9.13	8.90	8.66	8.60
360.0	12.41	12.00	11.59	10.65	10.01	9.54	9.25	8.90	8.60

Intensity data(cd)

C/γ(°)	90.0
0.0	8.60
45.0	8.72
90.0	8.60
135.0	8.60
180.0	8.54
225.0	8.54
270.0	8.60
315.0	8.66
360.0	8.60