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

NT

Client:
LumCAT: 2-2688-L
Luminaire: 92.70.411.00
Report No: 2024403-B022
Ballast type: AC

Test No: 2024403-C022	Voltage(V): 34.440
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.578
Lamp flux(lm): 3438.0	Power (W): 19.906
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2837.79, Efficiency(%): 82.54% , Luminous Efficacy(lm/W): 142.56
Central intensity(cd): 6913.175, Maximum intensity(cd): 6913.175
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.0
[C90/270]Total=35.0
Field angle(10%Imax): [C0/180]Total=61.0
[C90/270]Total=61.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.54%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.709%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6913.175	0.000	0	0.00%	0.00%
1.0	6905.640	6.612	6.612	0.19%	0.23%
2.0	6885.450	19.794	26.406	0.58%	0.93%
3.0	6849.678	32.850	59.256	0.96%	2.09%
4.0	6787.279	45.647	104.903	1.33%	3.70%
5.0	6704.689	58.042	162.945	1.69%	5.74%
6.0	6578.426	69.806	232.752	2.03%	8.20%
7.0	6423.488	80.703	313.454	2.35%	11.05%
8.0	6225.975	90.530	403.984	2.63%	14.24%
9.0	6005.857	99.132	503.116	2.88%	17.73%
10.0	5761.087	106.487	609.603	3.10%	21.48%
11.0	5478.789	112.309	721.912	3.27%	25.44%
12.0	5206.147	116.802	838.714	3.40%	29.56%
13.0	4881.713	119.717	958.431	3.48%	33.77%
14.0	4573.519	121.026	1079.458	3.52%	38.04%
15.0	4255.522	121.209	1200.667	3.53%	42.31%
16.0	3941.768	120.113	1320.78	3.49%	46.54%
17.0	3621.431	117.779	1438.559	3.43%	50.69%
18.0	3318.577	114.426	1552.985	3.33%	54.73%
19.0	3037.230	110.578	1663.563	3.22%	58.62%
20.0	2738.326	105.709	1769.272	3.07%	62.35%
21.0	2469.781	100.006	1869.278	2.91%	65.87%
22.0	2223.255	94.309	1963.586	2.74%	69.19%
23.0	1986.385	88.330	2051.916	2.57%	72.31%
24.0	1785.873	82.475	2134.391	2.40%	75.21%
25.0	1571.212	76.333	2210.724	2.22%	77.90%
26.0	1341.431	68.753	2279.477	2.00%	80.33%
27.0	1205.022	62.300	2341.777	1.81%	82.52%
28.0	1059.777	57.340	2399.117	1.67%	84.54%
29.0	906.689	51.448	2450.565	1.50%	86.35%
30.0	752.482	44.797	2495.362	1.30%	87.93%
31.0	618.605	38.155	2533.518	1.11%	89.28%
32.0	493.688	31.866	2565.384	0.93%	90.40%
33.0	383.710	25.848	2591.232	0.75%	91.31%
34.0	295.985	20.570	2611.802	0.60%	92.04%
35.0	250.864	16.983	2628.785	0.49%	92.63%
36.0	189.042	14.007	2642.791	0.41%	93.13%
37.0	153.600	11.175	2653.966	0.33%	93.52%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	132.400	9.546	2663.513	0.28%	93.86%
39.0	119.715	8.605	2672.118	0.25%	94.16%
40.0	109.049	7.978	2680.097	0.23%	94.44%
41.0	99.613	7.430	2687.527	0.22%	94.70%
42.0	91.054	6.927	2694.454	0.20%	94.95%
43.0	83.731	6.475	2700.929	0.19%	95.18%
44.0	77.089	6.070	2706.998	0.18%	95.39%
45.0	71.200	5.699	2712.697	0.17%	95.59%
46.0	66.496	5.385	2718.082	0.16%	95.78%
47.0	61.756	5.101	2723.183	0.15%	95.96%
48.0	58.069	4.844	2728.027	0.14%	96.13%
49.0	54.521	4.624	2732.651	0.13%	96.29%
50.0	51.412	4.417	2737.068	0.13%	96.45%
51.0	48.515	4.228	2741.295	0.12%	96.60%
52.0	46.013	4.056	2745.352	0.12%	96.74%
53.0	43.731	3.904	2749.255	0.11%	96.88%
54.0	41.383	3.751	2753.007	0.11%	97.01%
55.0	39.473	3.609	2756.616	0.10%	97.14%
56.0	37.535	3.480	2760.096	0.10%	97.26%
57.0	35.794	3.353	2763.449	0.10%	97.38%
58.0	34.060	3.230	2766.679	0.09%	97.49%
59.0	32.473	3.110	2769.789	0.09%	97.60%
60.0	30.980	2.998	2772.787	0.09%	97.71%
61.0	29.451	2.884	2775.671	0.08%	97.81%
62.0	28.222	2.779	2778.45	0.08%	97.91%
63.0	27.045	2.688	2781.138	0.08%	98.00%
64.0	25.991	2.602	2783.741	0.08%	98.10%
65.0	25.143	2.531	2786.271	0.07%	98.18%
66.0	24.528	2.478	2788.749	0.07%	98.27%
67.0	24.133	2.447	2791.196	0.07%	98.36%
68.0	23.928	2.435	2793.631	0.07%	98.44%
69.0	23.921	2.441	2796.072	0.07%	98.53%
70.0	24.053	2.464	2798.536	0.07%	98.62%
71.0	24.111	2.489	2801.025	0.07%	98.70%
72.0	24.236	2.514	2803.539	0.07%	98.79%
73.0	24.170	2.531	2806.07	0.07%	98.88%
74.0	23.958	2.530	2808.601	0.07%	98.97%
75.0	23.607	2.513	2811.114	0.07%	99.06%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.868	2.467	2813.581	0.07%	99.15%
77.0	22.078	2.396	2815.977	0.07%	99.23%
78.0	21.097	2.311	2818.288	0.07%	99.31%
79.0	19.846	2.200	2820.488	0.06%	99.39%
80.0	18.171	2.050	2822.538	0.06%	99.46%
81.0	16.225	1.860	2824.398	0.05%	99.53%
82.0	15.091	1.698	2826.096	0.05%	99.59%
83.0	14.557	1.612	2827.708	0.05%	99.64%
84.0	14.228	1.568	2829.276	0.05%	99.70%
85.0	13.811	1.530	2830.806	0.04%	99.75%
86.0	13.168	1.475	2832.281	0.04%	99.81%
87.0	12.765	1.419	2833.7	0.04%	99.86%
88.0	12.495	1.384	2835.084	0.04%	99.90%
89.0	12.312	1.360	2836.444	0.04%	99.95%
90.0	12.334	1.351	2837.795	0.04%	100.00%

Zonal flux distribution table

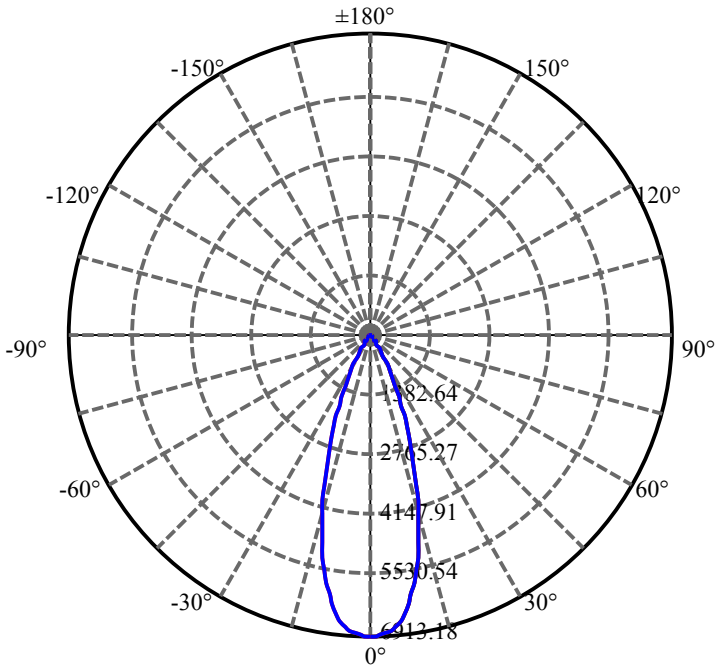
ZONAL LUMEN SUMMARY

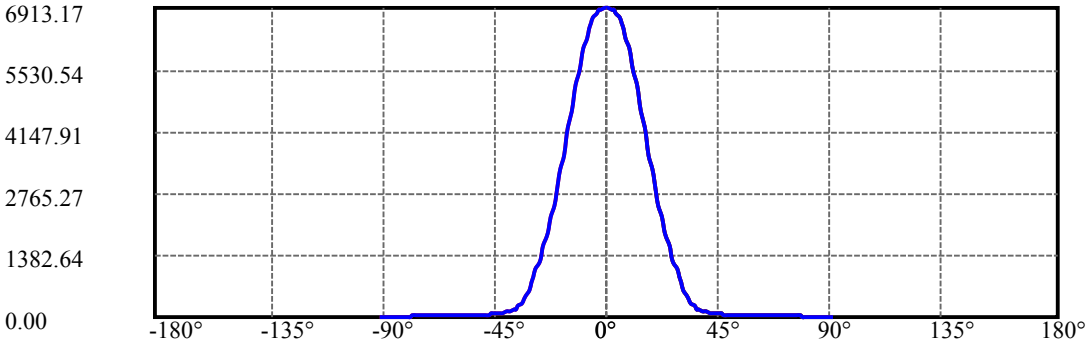
Zone	Lumens	%Lamp	%Fixt
0-30	2495.36	72.58%	87.93%
0-40	2680.10	77.96%	94.44%
0-60	2772.79	80.65%	97.71%
0-90	2836.44	82.50%	99.95%
0-120	2836.44	82.50%	99.95%
0-180	2837.79	82.54%	100.00%
60-90	63.66	1.85%	2.24%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.87	2270.24	66.03%	80.00%

ZONAL LUMEN SUMMARY

0-10	609.60
10-20	1159.67
20-30	726.09
30-40	184.73
40-50	56.97
50-60	35.72
60-70	25.75
70-80	24.00
80-90	13.91
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):

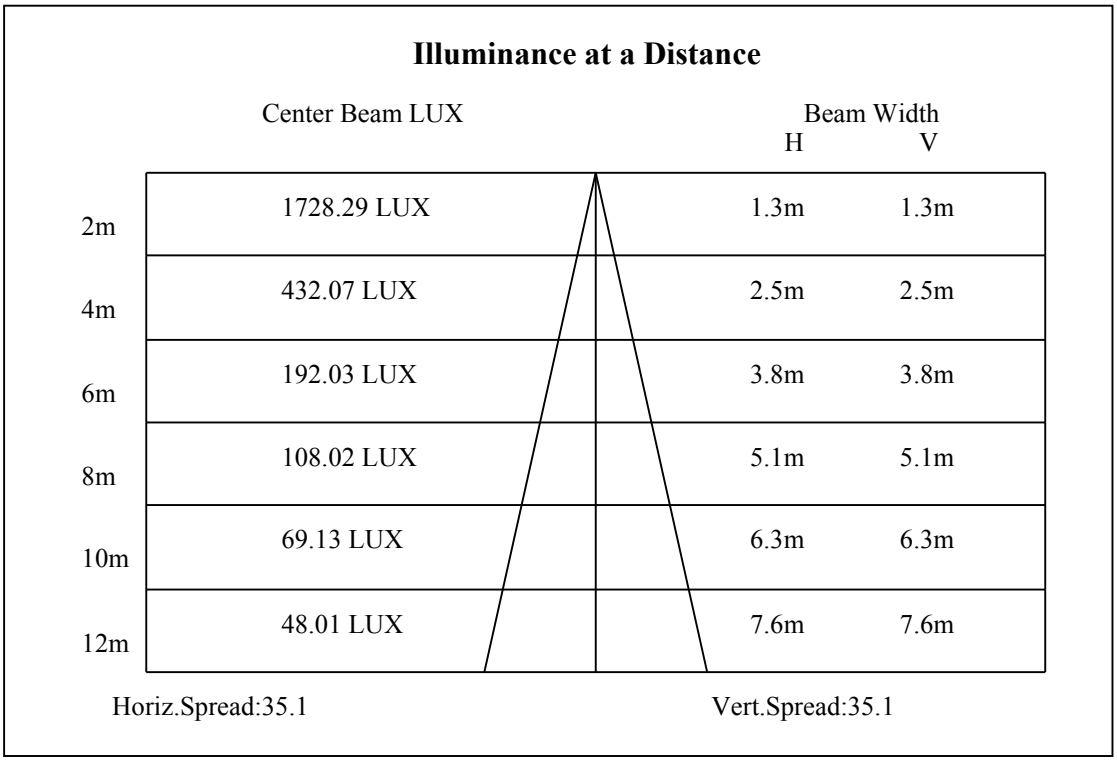
C0/C180:

C90/C270:

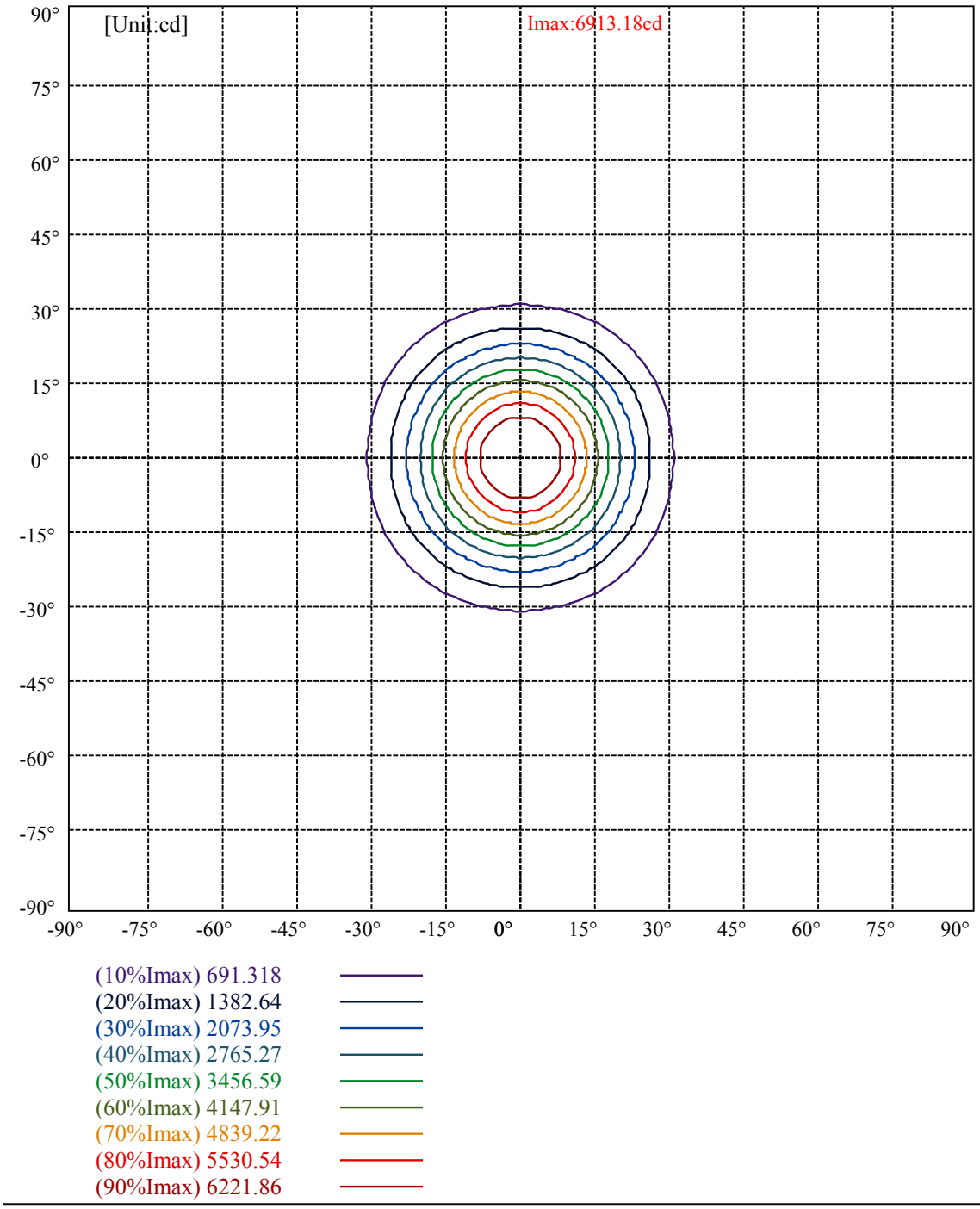
Field angle(10%Imax):C0/180Left:30.5 Right:30.5
:C90/270Left:30.5 Right:30.5

Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5
:C90/270Left:17.5 Right:17.5

Lux distance Curve



ISO-Intensity(V-H)

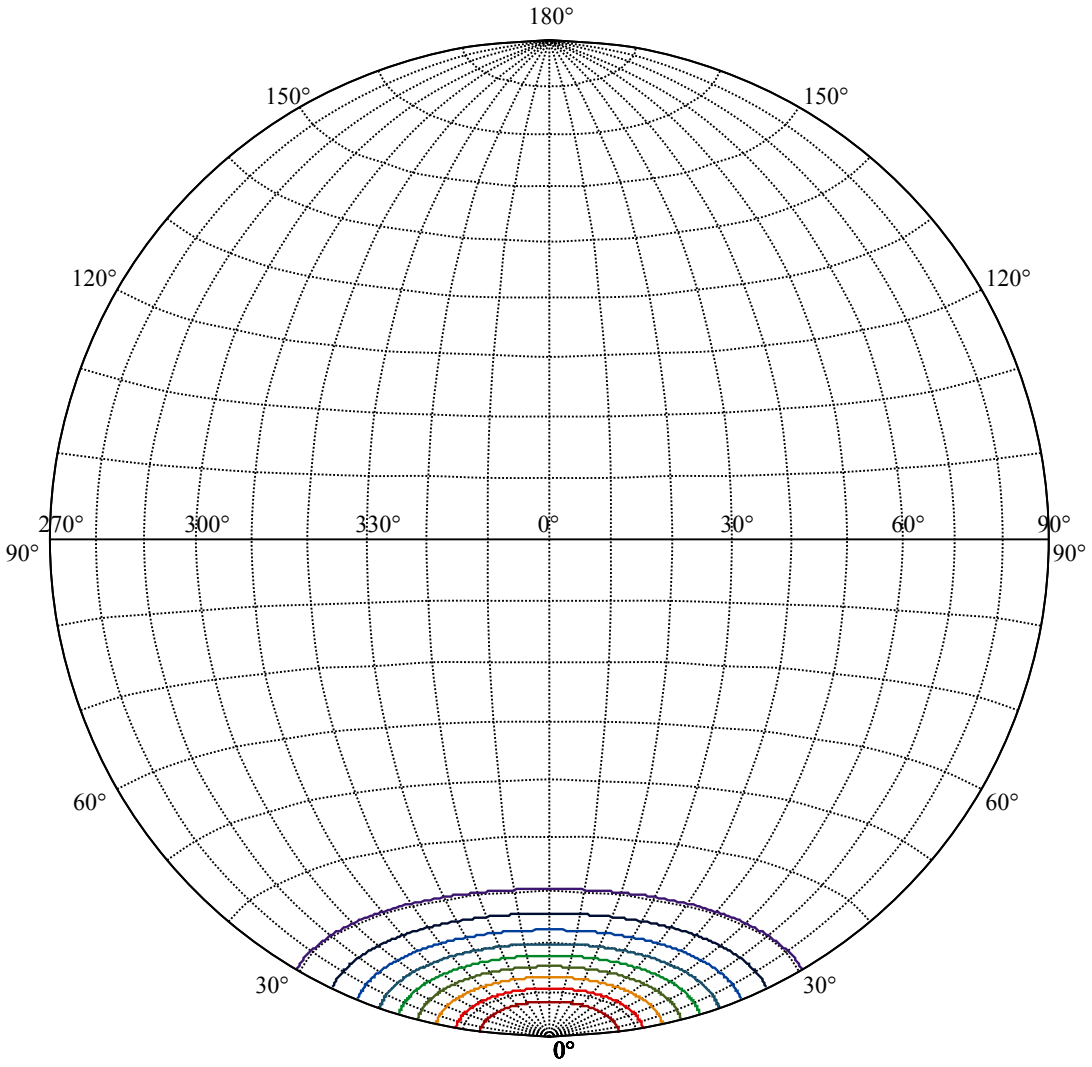


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



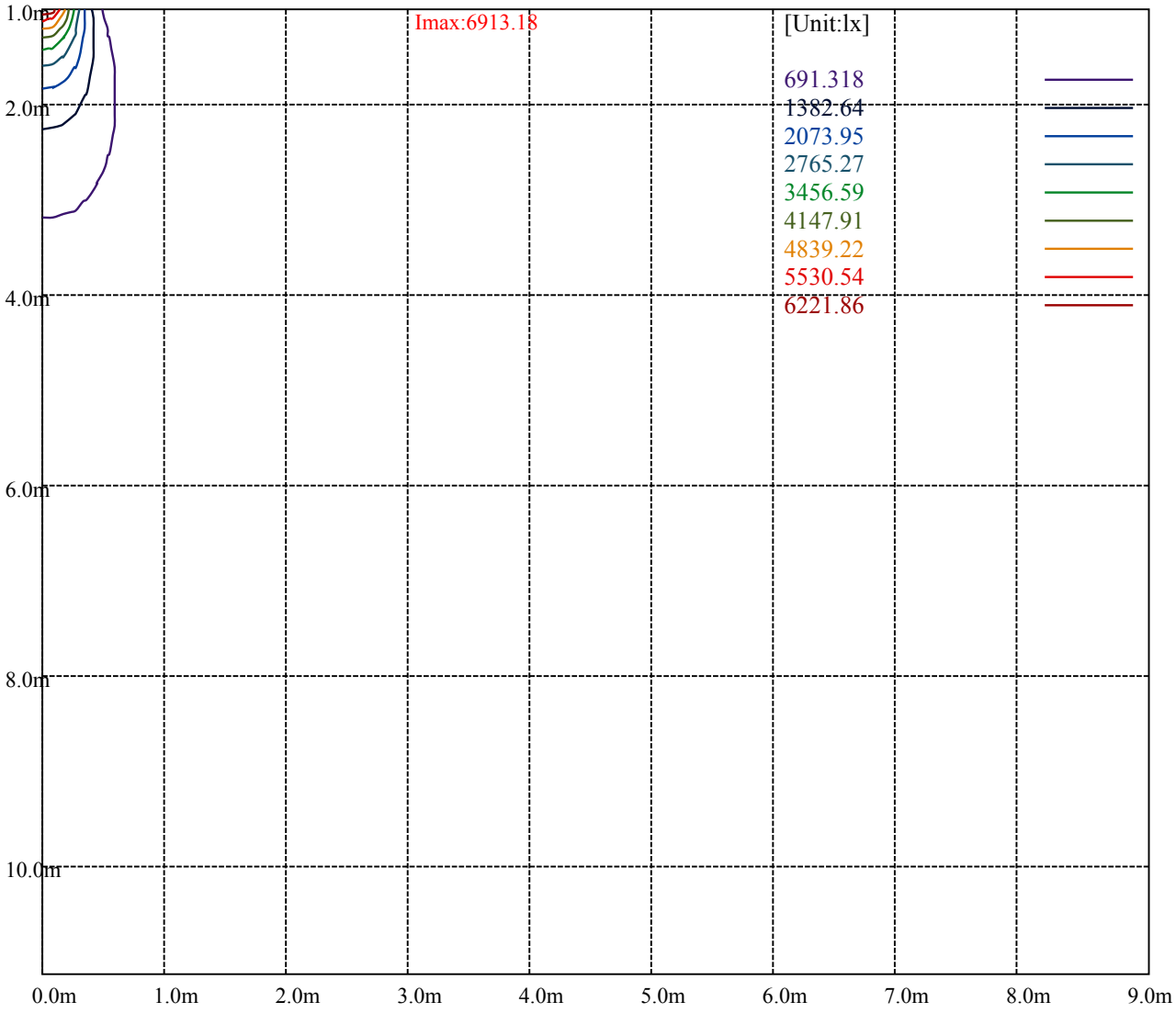
House [Unit:cd] Road

Imax:6913.18

(10%Imax) 691.318
(20%Imax) 1382.64
(30%Imax) 2073.95
(40%Imax) 2765.27
(50%Imax) 3456.59
(60%Imax) 4147.91
(70%Imax) 4839.22
(80%Imax) 5530.54
(90%Imax) 6221.86

Equipment: GMS1980	Date: 2024/4/03	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2688-L

Luminance Limitting Curve(no luminous side)

Luminance Table

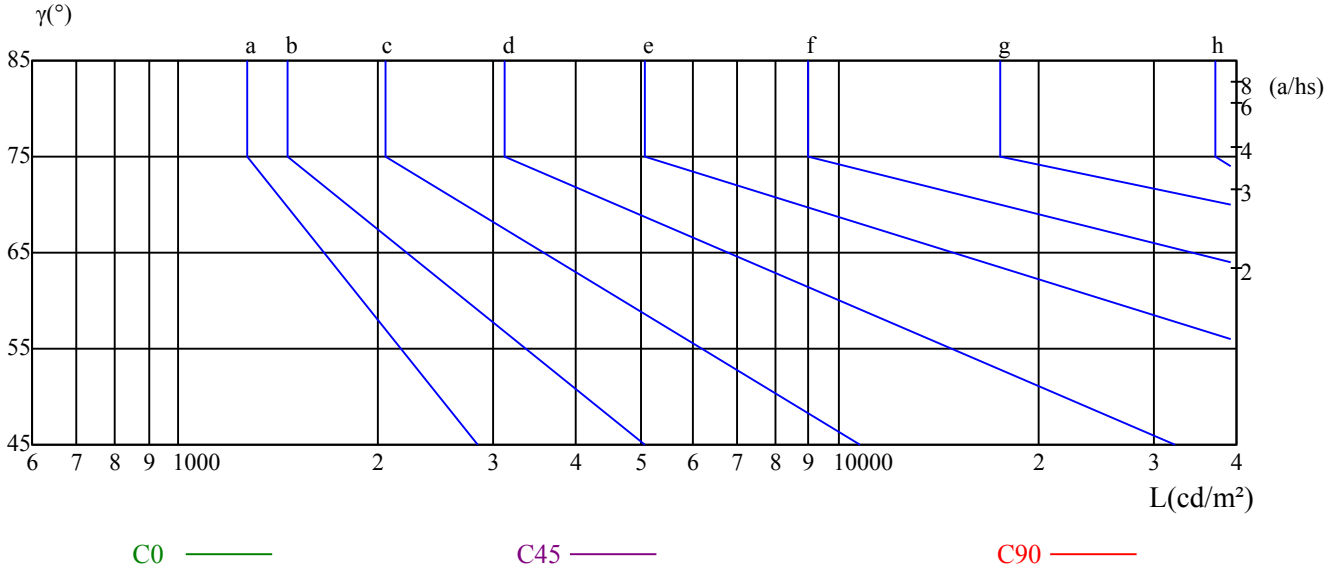
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

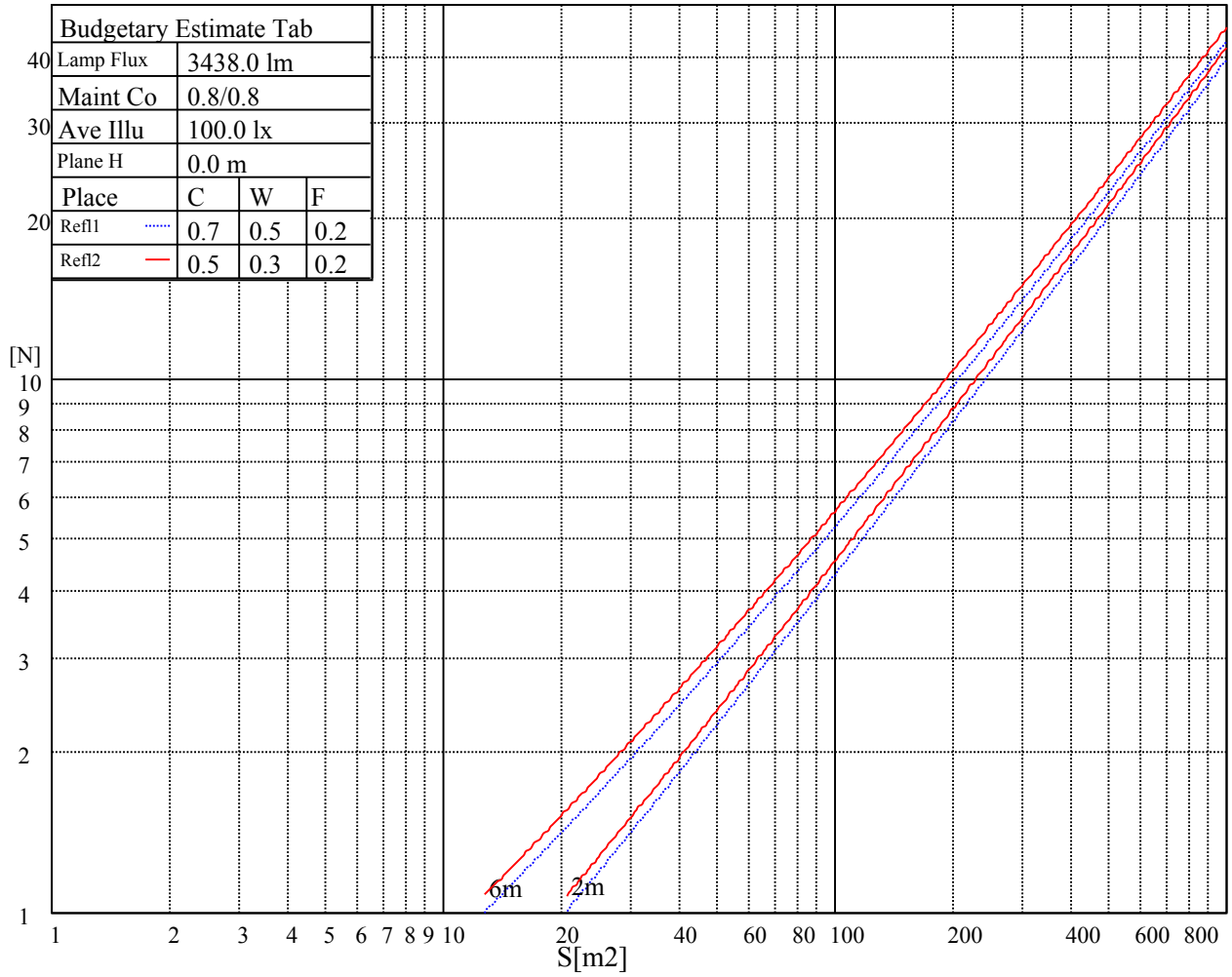
Date: 2024/4/03
Humidity(%): 60.0%

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

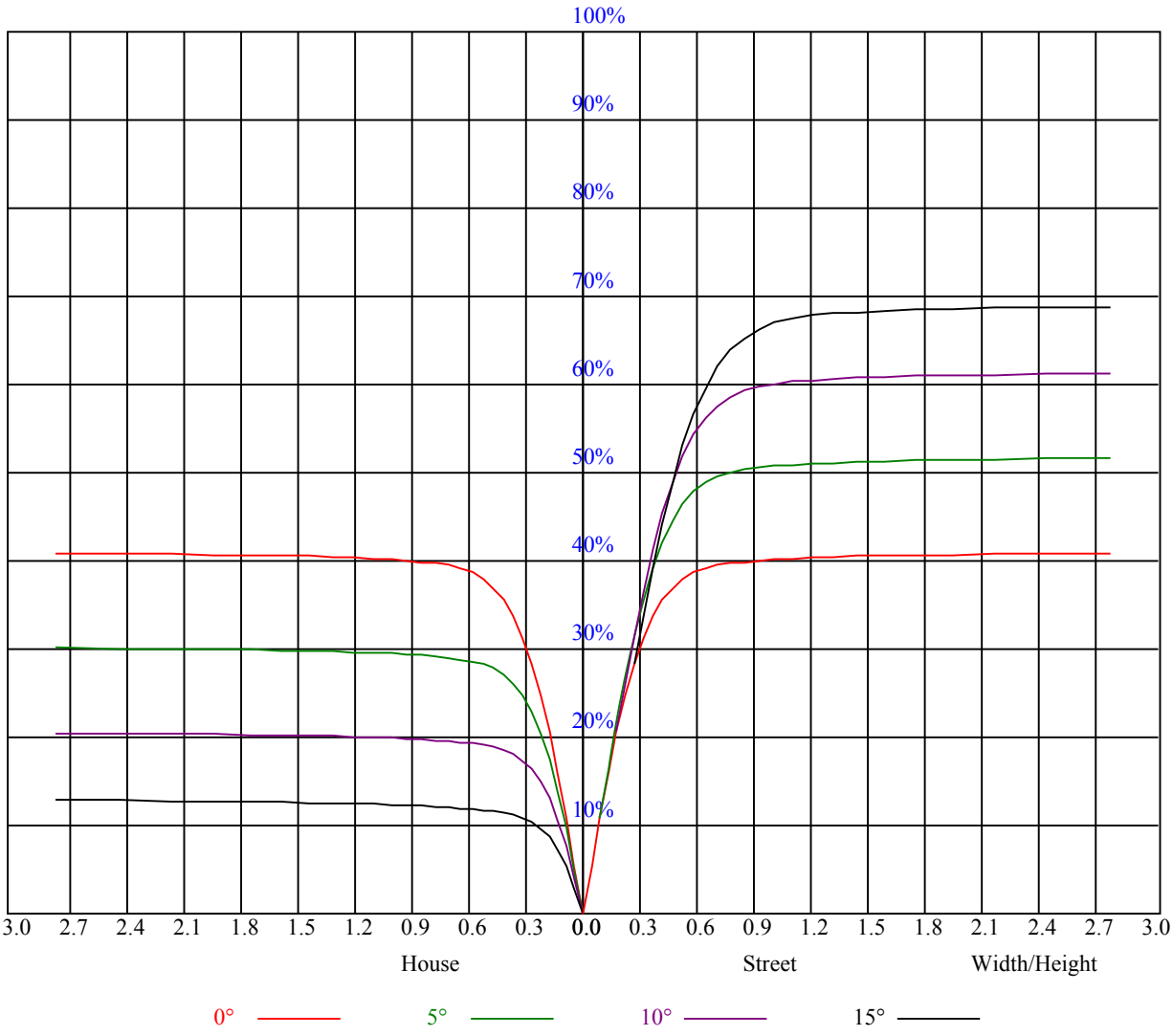


Equipment: GMS1980 Date: 2024/4/03 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

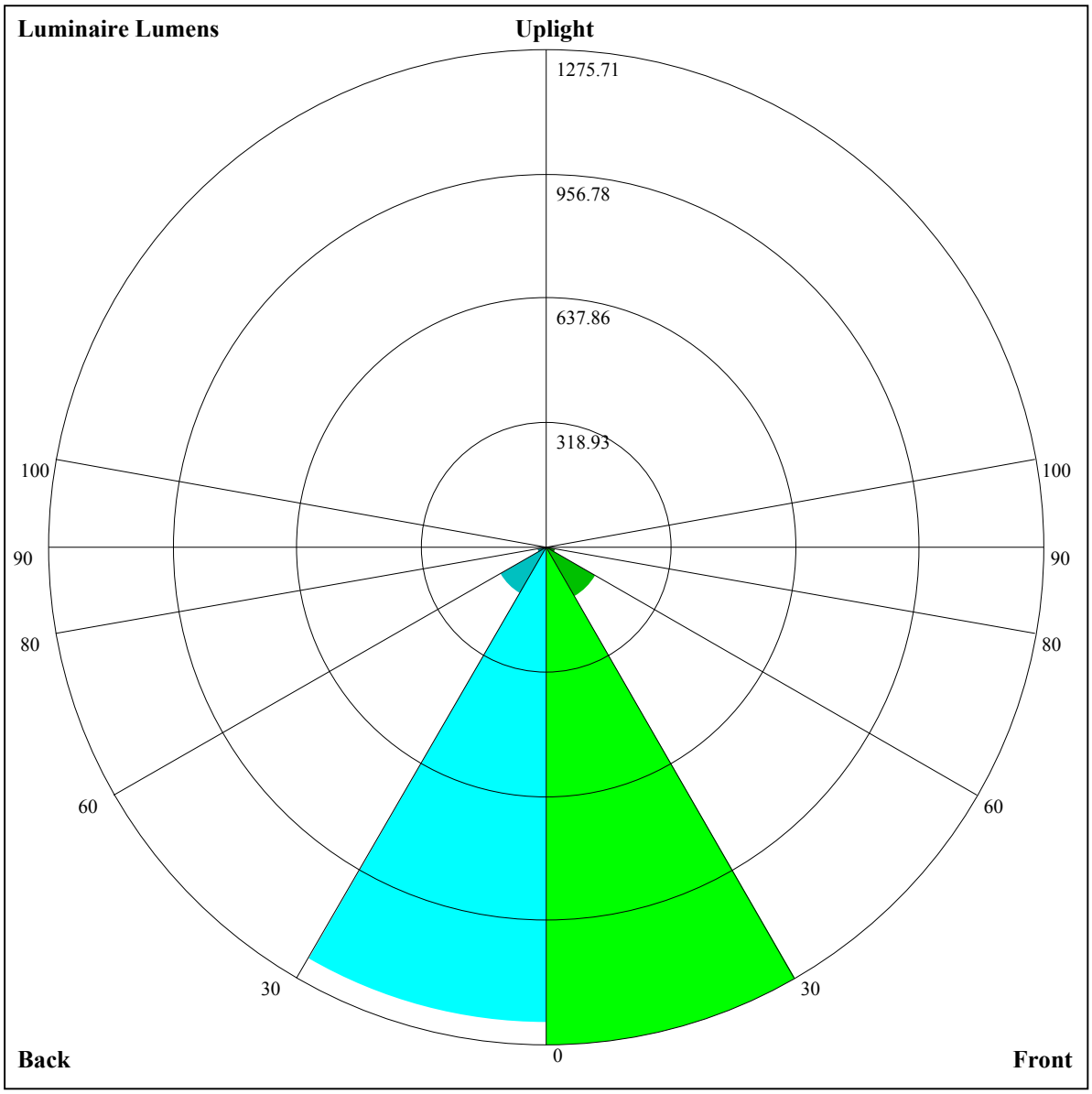
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.65	0.69	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.58
8	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/03	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=1275.71,FM=145.42,FH=24.4,FVH=7.68
BL=1218.08,BM=136.33,BH=24.99,BVH=7.72
UL=0,UH=0

BUG Rating:B3-U0-G0

Equipment: GMS1980	Date: 2024/4/03	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	6926.20	6922.69	6906.30	6872.94	6810.91	6745.36	6635.92	6506.00	6299.42
45.0	6905.71	6920.34	6922.69	6903.37	6880.55	6817.93	6752.97	6654.07	6493.13
90.0	6918.59	6911.57	6899.86	6852.46	6786.91	6702.06	6559.85	6392.47	6208.13
135.0	6902.20	6907.47	6891.08	6861.82	6820.86	6748.29	6623.05	6473.82	6314.64
180.0	6926.20	6909.81	6890.50	6853.63	6772.87	6682.74	6551.65	6356.19	6171.26
225.0	6905.71	6872.36	6821.44	6765.84	6675.72	6555.16	6351.51	6157.80	5937.75
270.0	6918.59	6905.13	6893.42	6864.16	6796.86	6737.17	6631.83	6487.28	6266.06
315.0	6902.20	6895.76	6858.31	6823.20	6753.56	6648.80	6520.64	6360.28	6117.42
360.0	6926.20	6922.69	6906.30	6872.94	6810.91	6745.36	6635.92	6506.00	6299.42

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6099.27	5880.98	5561.45	5308.63	4954.57	4664.89	4374.03	4070.88	3699.27
45.0	6336.29	6135.56	5868.69	5628.17	5362.48	5085.66	4715.22	4410.90	4111.85
90.0	5996.27	5708.34	5453.19	5178.71	4885.52	4515.65	4210.17	3914.04	3545.35
135.0	6070.60	5848.80	5605.34	5285.23	4994.95	4712.29	4402.12	4019.38	3725.60
180.0	5898.54	5652.75	5385.88	5106.73	4745.06	4450.69	4145.79	3861.96	3504.97
225.0	5676.16	5367.16	5088.59	4807.68	4429.63	4135.26	3770.66	3479.22	3196.56
270.0	6072.35	5848.21	5525.17	5264.16	4892.54	4602.27	4296.78	3940.38	3644.25
315.0	5897.37	5646.89	5341.99	5069.86	4788.95	4421.43	4129.41	3837.38	3543.60
360.0	6099.27	5880.98	5561.45	5308.63	4954.57	4664.89	4374.03	4070.88	3699.27

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3416.60	3140.38	2875.85	2556.91	2307.60	2078.19	1887.41	1673.80	1363.63
45.0	3736.72	3451.13	3174.32	2844.25	2584.41	2344.47	2048.93	1856.98	1686.09
90.0	3265.03	2991.73	2666.93	2420.55	2175.34	1914.33	1737.59	1570.80	1147.80
135.0	3433.57	3160.27	2827.87	2573.29	2321.65	2042.49	1857.56	1643.37	1468.97
180.0	3223.48	2949.59	2610.16	2362.61	2128.52	1881.56	1710.09	1534.52	1315.64
225.0	2923.26	2597.87	2344.47	2110.38	1904.97	1689.02	1518.72	1137.50	1137.50
270.0	3361.59	3084.19	2742.42	2482.00	2250.83	2027.86	1786.17	1626.40	1464.29
315.0	3188.36	2922.67	2664.59	2408.26	2112.72	1913.16	1740.52	1526.33	1147.51
360.0	3416.60	3140.38	2875.85	2556.91	2307.60	2078.19	1887.41	1673.80	1363.63

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1158.10	1117.25	968.96	795.73	668.50	546.37	432.83	307.77	230.29
45.0	1511.11	1289.89	1128.37	976.80	836.35	668.97	547.24	405.62	307.30
90.0	1147.80	1033.33	886.56	747.80	586.51	468.65	363.02	272.13	192.66
135.0	1293.99	1128.37	935.25	794.79	666.04	543.73	406.20	311.40	311.40
180.0	1147.10	992.01	846.88	681.85	561.87	449.51	348.85	304.96	304.96
225.0	985.05	839.97	708.71	556.37	445.88	349.20	251.06	196.93	162.99
270.0	1249.51	1083.90	931.74	753.24	622.74	473.51	369.34	301.45	301.45
315.0	1147.51	993.48	847.05	713.27	560.94	449.57	351.14	267.62	195.87
360.0	1158.10	1117.25	968.96	795.73	668.50	546.37	432.83	307.77	230.29

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	179.78	153.97	135.01	122.55	112.07	102.88	92.58	85.50	77.60
45.0	307.30	213.78	142.50	128.46	116.93	104.76	96.50	88.95	82.28
90.0	158.60	137.64	124.77	113.94	102.41	94.16	87.08	80.70	73.62
135.0	219.58	150.05	135.66	123.48	110.61	101.71	92.06	85.03	78.95
180.0	162.58	143.15	130.27	116.75	107.15	98.55	90.89	82.40	76.55
225.0	147.36	133.78	122.08	109.55	100.54	92.58	85.50	77.60	72.33
270.0	171.00	147.48	133.78	122.19	112.01	100.66	92.64	85.62	77.66
315.0	166.15	148.94	135.13	120.79	110.67	101.60	91.18	84.04	77.72
360.0	179.78	153.97	135.01	122.55	112.07	102.88	92.58	85.50	77.60

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	71.98	67.07	61.62	58.05	54.66	50.80	48.16	45.82	43.60
45.0	75.08	70.05	65.60	61.62	57.18	53.90	51.09	47.93	45.53
90.0	68.71	64.32	60.40	56.24	53.26	50.50	47.34	45.18	43.07
135.0	72.28	67.53	63.32	59.58	55.42	52.49	49.86	47.58	44.95
180.0	71.34	66.72	61.80	58.41	55.30	52.44	49.16	46.76	44.48
225.0	67.42	63.20	58.64	55.25	51.50	48.92	46.41	43.48	41.38
270.0	72.10	67.24	62.15	58.46	55.13	51.44	48.75	46.29	44.01
315.0	70.70	65.84	60.51	56.94	53.72	50.80	47.34	45.06	42.84
360.0	71.98	67.07	61.62	58.05	54.66	50.80	48.16	45.82	43.60

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.08	39.27	37.63	35.93	33.88	32.54	31.13	29.32	28.15
45.0	42.96	41.08	39.33	37.34	35.76	34.12	32.71	30.90	29.44
90.0	40.73	39.03	36.93	35.29	33.71	32.30	30.61	29.26	28.09
135.0	42.90	41.02	39.15	37.51	35.76	33.88	32.42	30.96	29.38
180.0	41.84	39.97	37.63	35.87	34.18	32.36	30.90	29.61	28.44
225.0	39.44	37.57	35.29	33.65	32.13	30.67	28.97	27.86	26.74
270.0	41.32	39.39	37.57	35.76	33.65	32.25	30.78	29.03	27.92
315.0	40.79	38.45	36.75	35.00	33.42	31.66	30.31	28.68	27.62
360.0	41.08	39.27	37.63	35.93	33.88	32.54	31.13	29.32	28.15

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.86	25.81	24.81	24.05	23.41	23.94	24.99	26.10	26.16
45.0	28.21	27.15	25.87	24.87	23.99	23.00	22.30	21.54	20.78
90.0	27.10	25.81	24.99	24.23	23.64	22.82	22.24	21.65	21.59
135.0	28.27	27.33	26.39	25.40	24.64	23.94	23.35	23.41	24.17
180.0	27.04	26.28	26.34	26.98	28.09	29.26	30.26	31.25	31.31
225.0	25.40	24.52	23.41	22.65	21.89	21.24	20.48	19.90	19.37
270.0	26.86	25.57	24.64	23.64	23.00	22.41	22.12	22.06	22.18
315.0	26.63	25.46	24.70	24.40	24.40	24.81	25.63	26.51	27.33
360.0	26.86	25.81	24.81	24.05	23.41	23.94	24.99	26.10	26.16

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.87	25.52	24.46	23.94	23.17	22.18	21.24	20.48	18.38
45.0	20.25	19.66	18.96	18.49	18.02	17.56	17.15	16.74	16.33
90.0	21.71	22.06	22.41	22.36	21.95	21.36	20.60	19.66	18.32
135.0	25.40	26.69	27.56	27.97	28.09	27.86	26.92	24.58	22.47
180.0	31.31	30.37	29.50	28.79	27.39	26.45	25.34	23.99	20.48
225.0	18.90	18.32	17.85	17.44	16.91	16.50	16.09	15.63	15.33
270.0	22.59	22.82	23.17	23.12	22.71	22.06	21.13	19.90	17.97
315.0	27.86	27.92	27.74	26.74	24.70	22.65	20.31	17.79	16.09
360.0	25.87	25.52	24.46	23.94	23.17	22.18	21.24	20.48	18.38

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.63	14.63	14.40	13.99	13.69	13.34	12.87	12.52	12.52
45.0	15.68	15.33	14.81	14.46	14.10	13.81	13.05	12.76	12.52
90.0	15.74	14.81	14.40	14.16	13.58	12.99	12.70	12.47	12.23
135.0	19.72	16.56	14.98	14.51	13.93	13.34	12.93	12.52	12.29
180.0	16.74	14.81	14.28	13.93	13.52	12.87	12.52	12.52	12.17
225.0	15.04	14.69	14.40	13.99	12.87	12.64	12.47	12.17	12.35
270.0	15.80	14.86	14.57	14.28	14.10	13.23	12.82	12.47	12.23
315.0	15.45	15.04	14.63	14.51	14.69	13.11	12.76	12.52	12.17
360.0	15.63	14.63	14.40	13.99	13.69	13.34	12.87	12.52	12.52

Intensity data(cd)

C/γ(°)	90.0
0.0	12.17
45.0	12.47
90.0	12.35
135.0	12.35
180.0	12.23
225.0	12.29
270.0	12.41
315.0	12.41
360.0	12.17