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

NT

Client:
LumCAT: 3-2806-L
Luminaire: 92.70.411.00
Report No: 2024403-B028
Ballast type: AC

Test No: 2024403-C028	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): 2896.64, Efficiency(%): 84.25% , Luminous Efficacy(lm/W): 145.52
Central intensity(cd): 10167.460, Maximum intensity(cd): 10167.460
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.4
[C90/270]Total=23.4
Field angle(10%Imax): [C0/180]Total=58.6
[C90/270]Total=58.6
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.25%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.822%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10167.465	0.000	0	0.00%	0.00%
1.0	10119.184	9.707	9.707	0.28%	0.34%
2.0	9955.833	28.814	38.52	0.84%	1.33%
3.0	9689.848	46.986	85.506	1.37%	2.95%
4.0	9267.828	63.457	148.964	1.85%	5.14%
5.0	8776.678	77.627	226.59	2.26%	7.82%
6.0	8227.078	89.359	315.95	2.60%	10.91%
7.0	7629.491	98.421	414.371	2.86%	14.31%
8.0	7024.734	104.877	519.248	3.05%	17.93%
9.0	6456.773	109.260	628.509	3.18%	21.70%
10.0	5901.687	111.840	740.348	3.25%	25.56%
11.0	5388.371	112.811	853.159	3.28%	29.45%
12.0	4936.285	112.863	966.022	3.28%	33.35%
13.0	4510.900	112.114	1078.137	3.26%	37.22%
14.0	4104.607	110.278	1188.414	3.21%	41.03%
15.0	3762.324	108.001	1296.415	3.14%	44.76%
16.0	3437.743	105.501	1401.916	3.07%	48.40%
17.0	3146.301	102.531	1504.448	2.98%	51.94%
18.0	2896.337	99.630	1604.078	2.90%	55.38%
19.0	2681.706	97.047	1701.124	2.82%	58.73%
20.0	2448.128	93.890	1795.014	2.73%	61.97%
21.0	2260.783	90.421	1885.435	2.63%	65.09%
22.0	2078.192	87.194	1972.629	2.54%	68.10%
23.0	1889.238	83.247	2055.876	2.42%	70.97%
24.0	1715.938	78.822	2134.698	2.29%	73.70%
25.0	1509.961	73.350	2208.048	2.13%	76.23%
26.0	1343.296	67.351	2275.399	1.96%	78.55%
27.0	1223.610	62.800	2338.199	1.83%	80.72%
28.0	1151.350	60.129	2398.328	1.75%	82.80%
29.0	1049.894	57.591	2455.919	1.68%	84.78%
30.0	927.062	53.377	2509.296	1.55%	86.63%
31.0	806.382	48.239	2557.536	1.40%	88.29%
32.0	689.812	42.864	2600.4	1.25%	89.77%
33.0	563.477	36.922	2637.322	1.07%	91.05%
34.0	445.773	30.543	2667.865	0.89%	92.10%
35.0	332.730	24.177	2692.042	0.70%	92.94%
36.0	259.182	18.847	2710.889	0.55%	93.59%
37.0	208.618	15.257	2726.146	0.44%	94.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	142.012	11.704	2737.85	0.34%	94.52%
39.0	106.123	8.470	2746.319	0.25%	94.81%
40.0	95.194	7.021	2753.34	0.20%	95.05%
41.0	86.694	6.477	2759.817	0.19%	95.28%
42.0	79.364	6.033	2765.85	0.18%	95.48%
43.0	73.000	5.644	2771.494	0.16%	95.68%
44.0	66.752	5.275	2776.769	0.15%	95.86%
45.0	61.427	4.926	2781.695	0.14%	96.03%
46.0	56.899	4.627	2786.323	0.13%	96.19%
47.0	52.502	4.351	2790.674	0.13%	96.34%
48.0	49.086	4.107	2794.78	0.12%	96.48%
49.0	45.896	3.900	2798.681	0.11%	96.62%
50.0	43.109	3.711	2802.392	0.11%	96.75%
51.0	40.607	3.542	2805.934	0.10%	96.87%
52.0	38.574	3.398	2809.332	0.10%	96.99%
53.0	36.716	3.275	2812.607	0.10%	97.10%
54.0	35.121	3.166	2815.773	0.09%	97.21%
55.0	33.848	3.079	2818.851	0.09%	97.31%
56.0	32.758	3.010	2821.861	0.09%	97.42%
57.0	32.114	2.966	2824.827	0.09%	97.52%
58.0	31.478	2.941	2827.768	0.09%	97.62%
59.0	30.805	2.912	2830.68	0.08%	97.72%
60.0	30.220	2.883	2833.563	0.08%	97.82%
61.0	29.466	2.848	2836.411	0.08%	97.92%
62.0	28.347	2.786	2839.197	0.08%	98.02%
63.0	27.132	2.698	2841.895	0.08%	98.11%
64.0	25.808	2.598	2844.493	0.08%	98.20%
65.0	24.609	2.495	2846.988	0.07%	98.29%
66.0	23.570	2.404	2849.392	0.07%	98.37%
67.0	22.802	2.332	2851.724	0.07%	98.45%
68.0	22.092	2.274	2853.998	0.07%	98.53%
69.0	21.807	2.240	2856.237	0.07%	98.61%
70.0	21.756	2.237	2858.475	0.07%	98.68%
71.0	21.770	2.250	2860.724	0.07%	98.76%
72.0	21.836	2.267	2862.992	0.07%	98.84%
73.0	21.997	2.292	2865.284	0.07%	98.92%
74.0	21.917	2.309	2867.592	0.07%	99.00%
75.0	21.822	2.311	2869.903	0.07%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.617	2.306	2872.209	0.07%	99.16%
77.0	21.163	2.281	2874.49	0.07%	99.24%
78.0	20.724	2.242	2876.732	0.07%	99.31%
79.0	20.161	2.197	2878.929	0.06%	99.39%
80.0	19.305	2.128	2881.057	0.06%	99.46%
81.0	18.025	2.019	2883.076	0.06%	99.53%
82.0	15.918	1.841	2884.916	0.05%	99.60%
83.0	14.521	1.655	2886.571	0.05%	99.65%
84.0	13.914	1.549	2888.12	0.05%	99.71%
85.0	13.563	1.500	2889.62	0.04%	99.76%
86.0	13.168	1.461	2891.081	0.04%	99.81%
87.0	12.816	1.422	2892.503	0.04%	99.86%
88.0	12.626	1.394	2893.897	0.04%	99.91%
89.0	12.524	1.379	2895.275	0.04%	99.95%
90.0	12.443	1.369	2896.644	0.04%	100.00%

Zonal flux distribution table

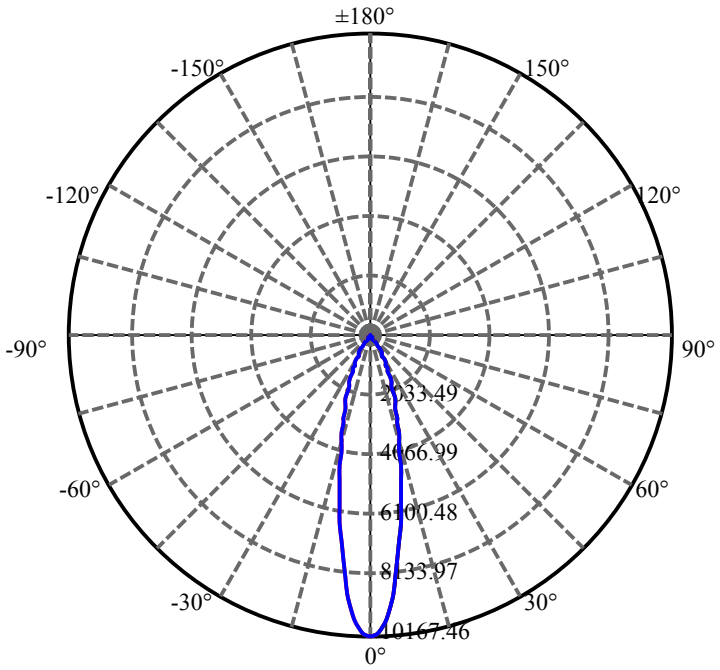
ZONAL LUMEN SUMMARY

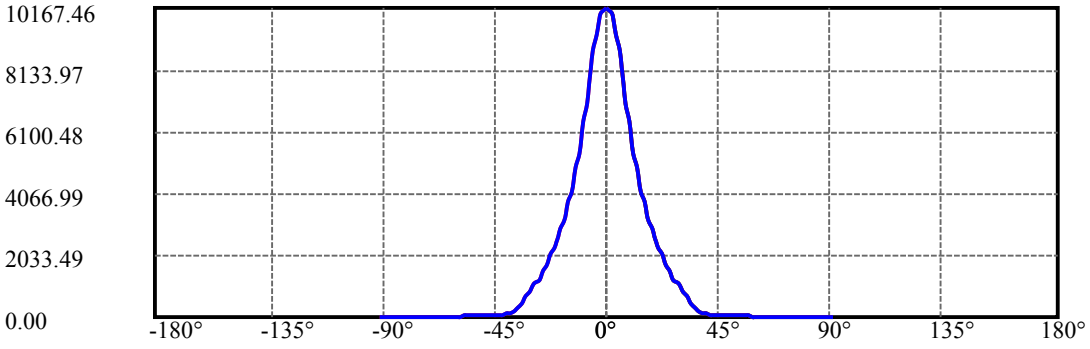
Zone	Lumens	%Lamp	%Fixt
0-30	2509.30	72.99%	86.63%
0-40	2753.34	80.09%	95.05%
0-60	2833.56	82.42%	97.82%
0-90	2895.28	84.21%	99.95%
0-120	2895.28	84.21%	99.95%
0-180	2896.64	84.25%	100.00%
60-90	61.71	1.80%	2.13%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.67	2317.32	67.40%	80.00%

ZONAL LUMEN SUMMARY

0-10	740.35
10-20	1054.67
20-30	714.28
30-40	244.04
40-50	49.05
50-60	31.17
60-70	24.91
70-80	22.58
80-90	14.22
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):

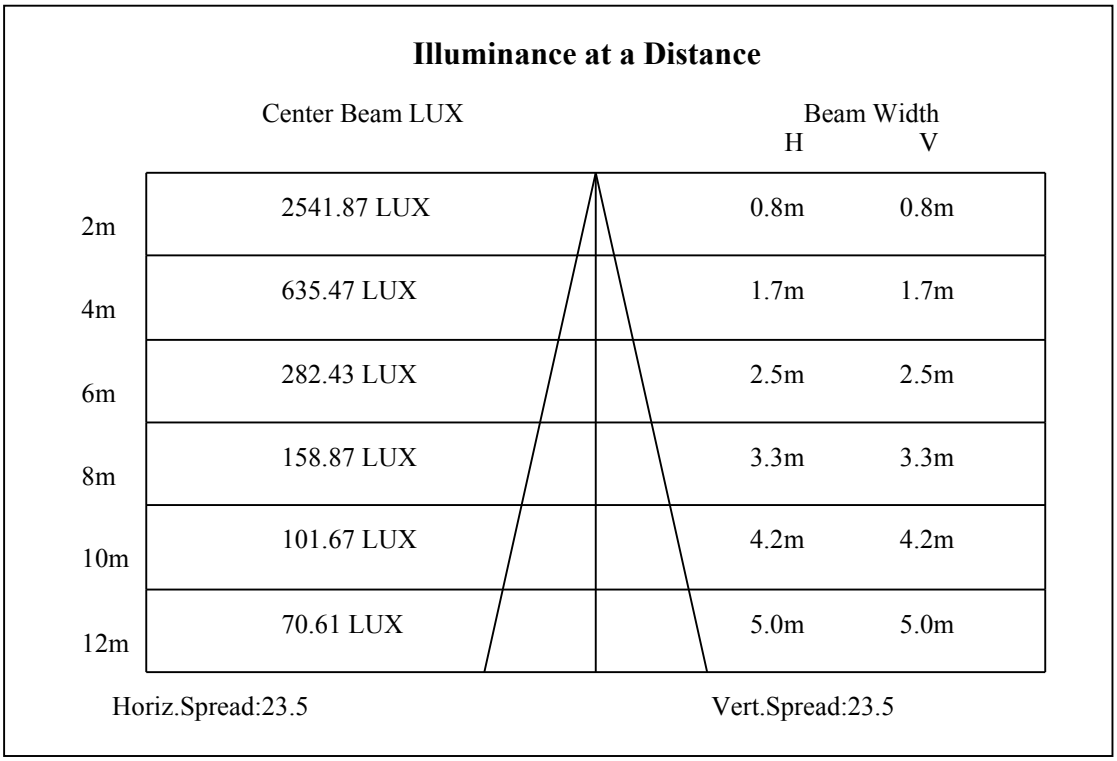
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.3 Right:29.3
:C90/270Left:29.3 Right:29.3

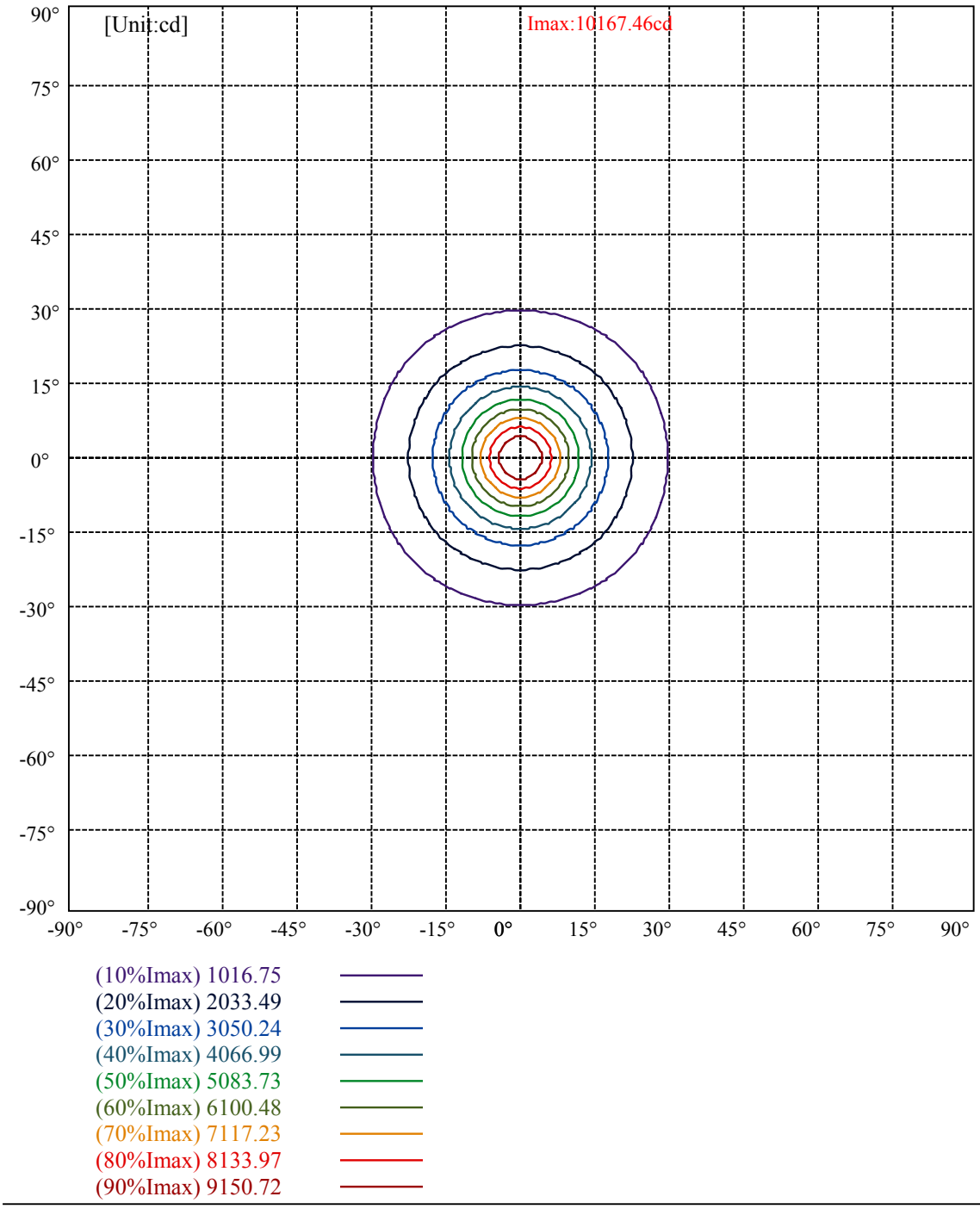
Beam Angle(50%Imax):C0/180Left:11.7 Right:11.7
:C90/270Left:11.7 Right:11.7

Lux distance Curve



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

ISO-Intensity(V-H)

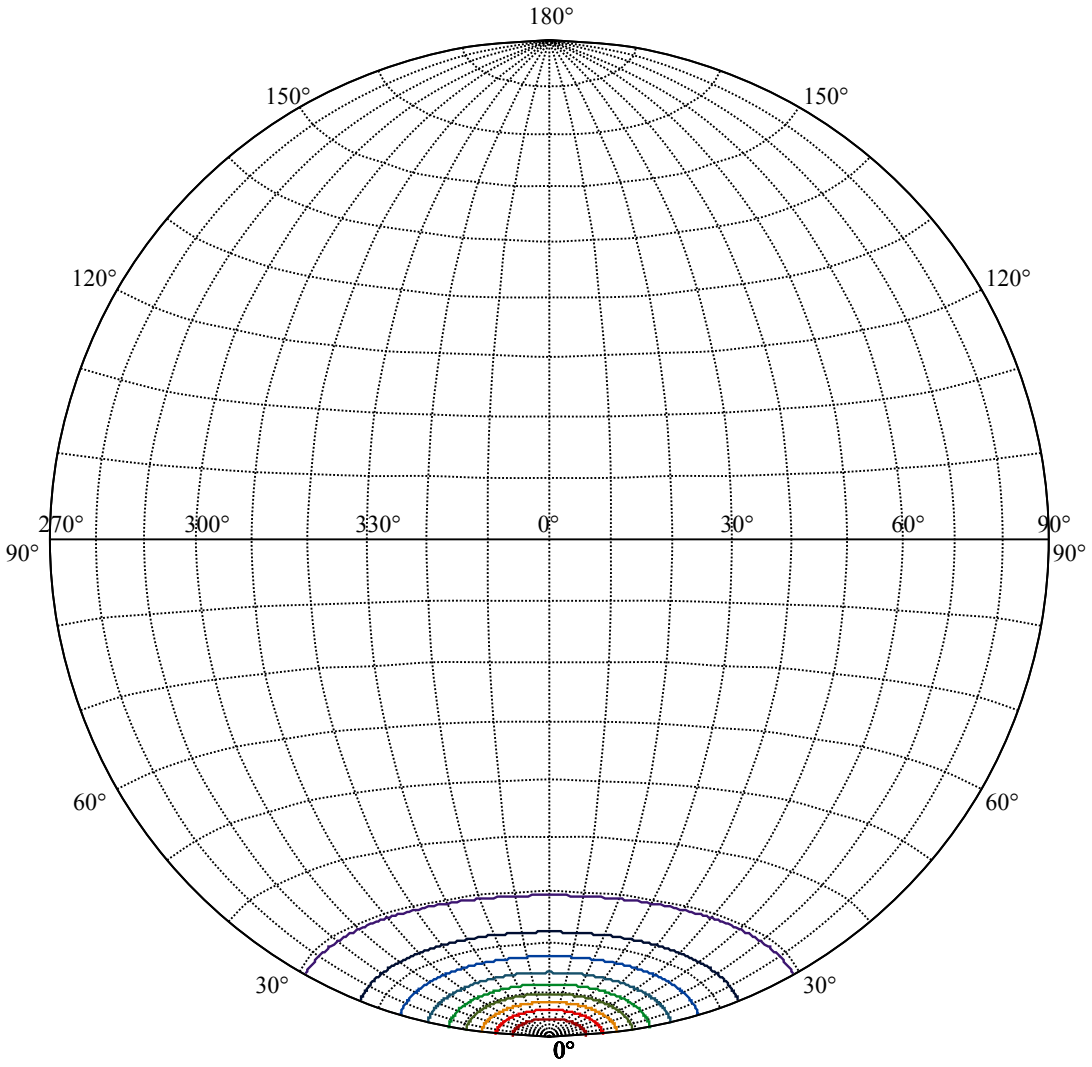


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



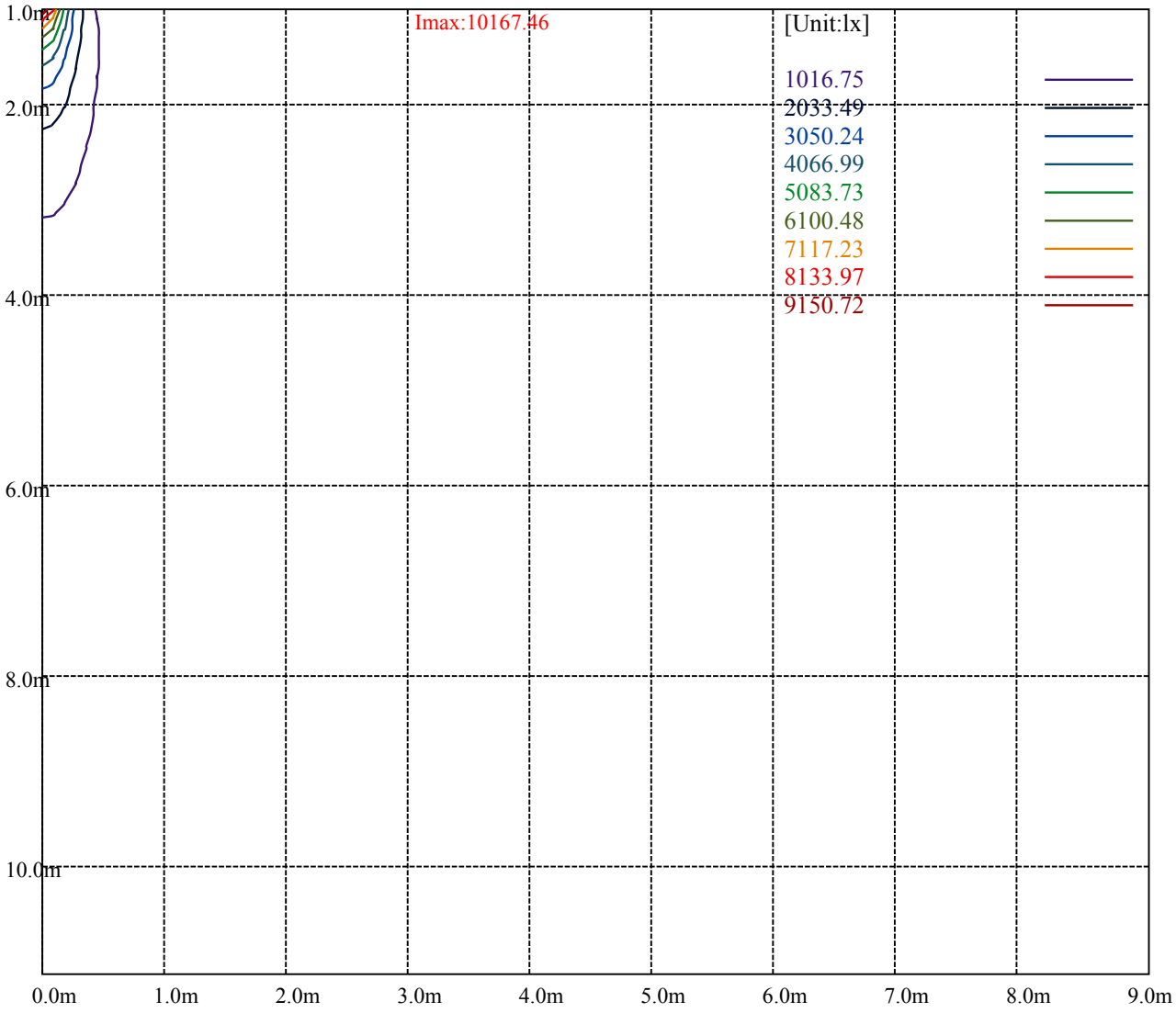
House [Unit:cd] Road

Imax:10167.46

(10%Imax) 1016.75
(20%Imax) 2033.49
(30%Imax) 3050.24
(40%Imax) 4066.99
(50%Imax) 5083.73
(60%Imax) 6100.48
(70%Imax) 7117.23
(80%Imax) 8133.97
(90%Imax) 9150.72

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 3-2806-L

Luminance Limitting Curve(no luminous side)

Luminance Table

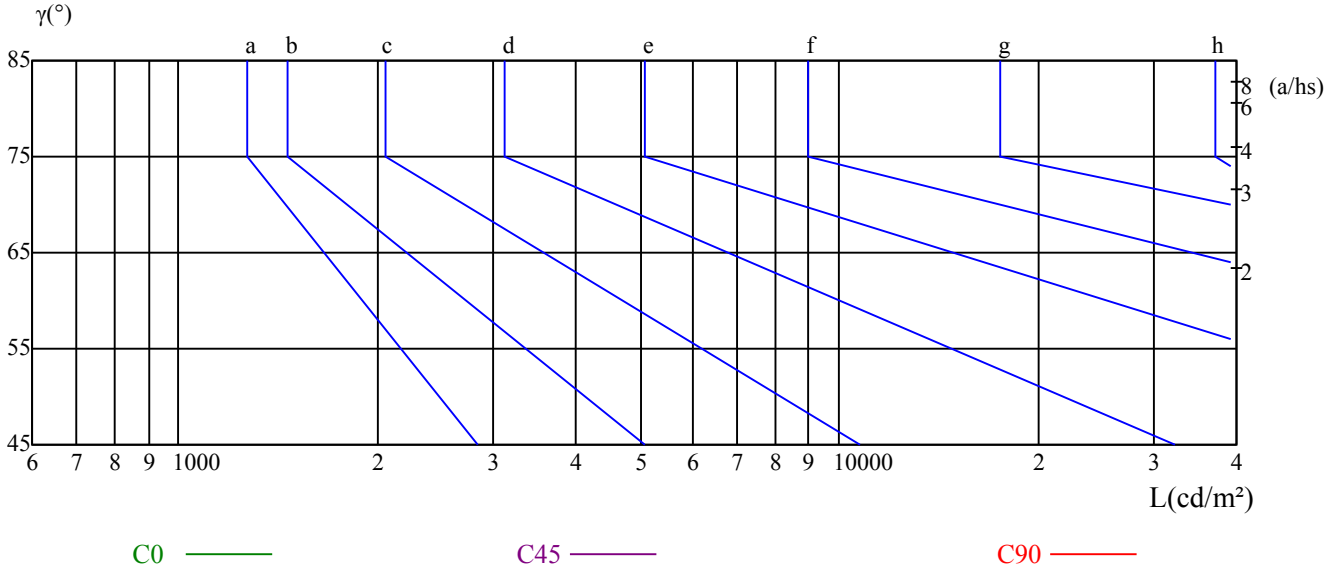
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

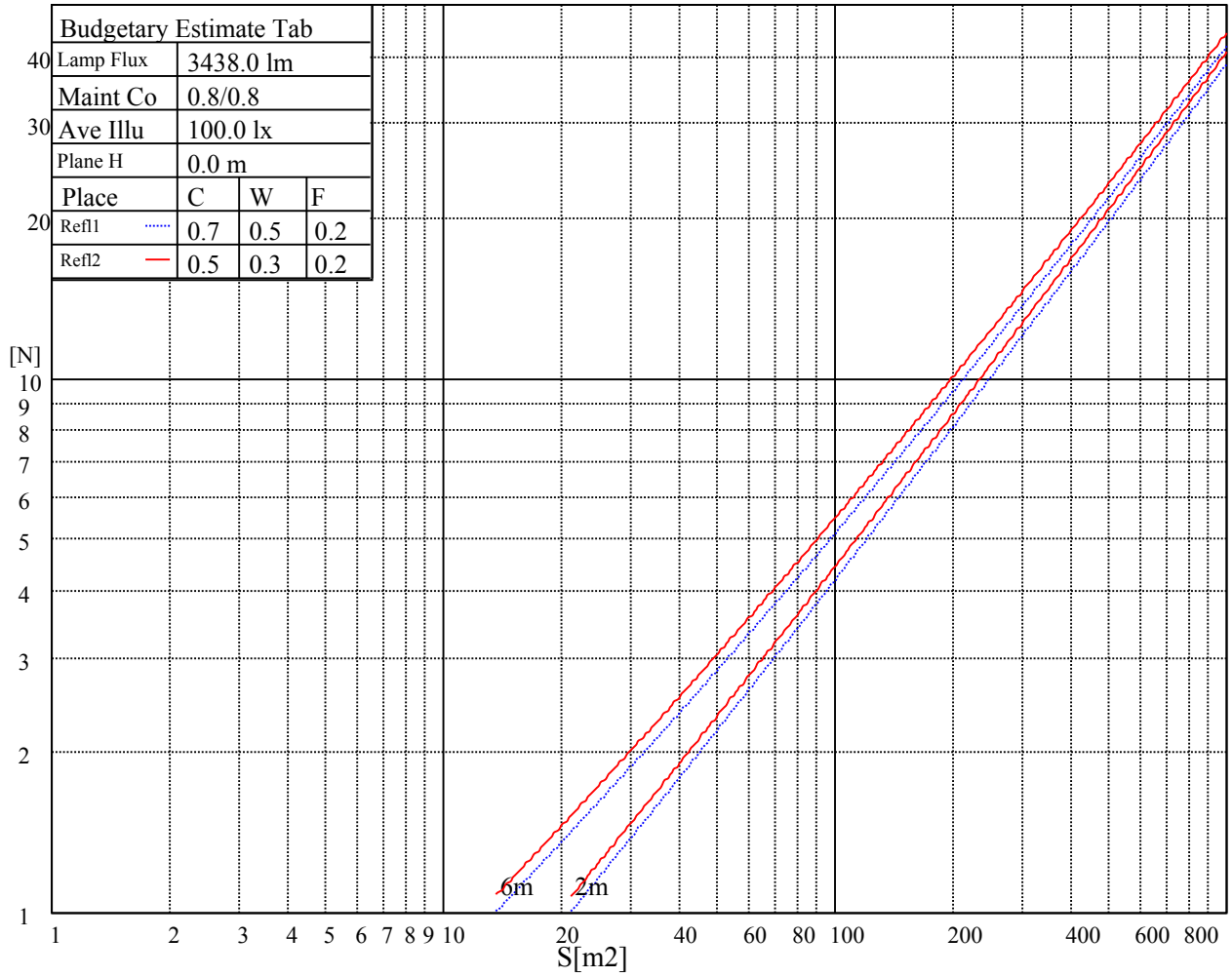
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

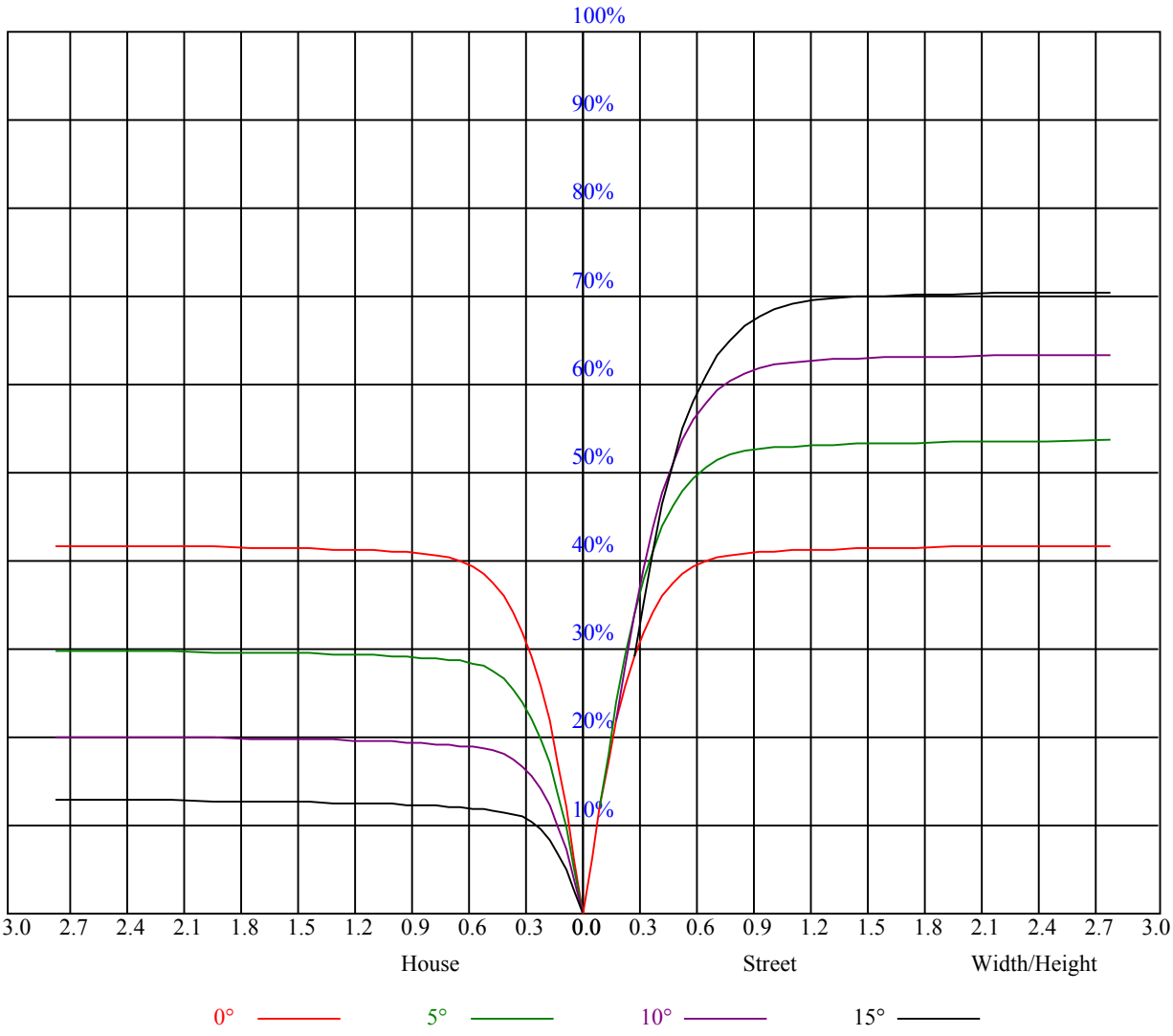


Equipment: GMS1980 Date: 2024/4/03 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

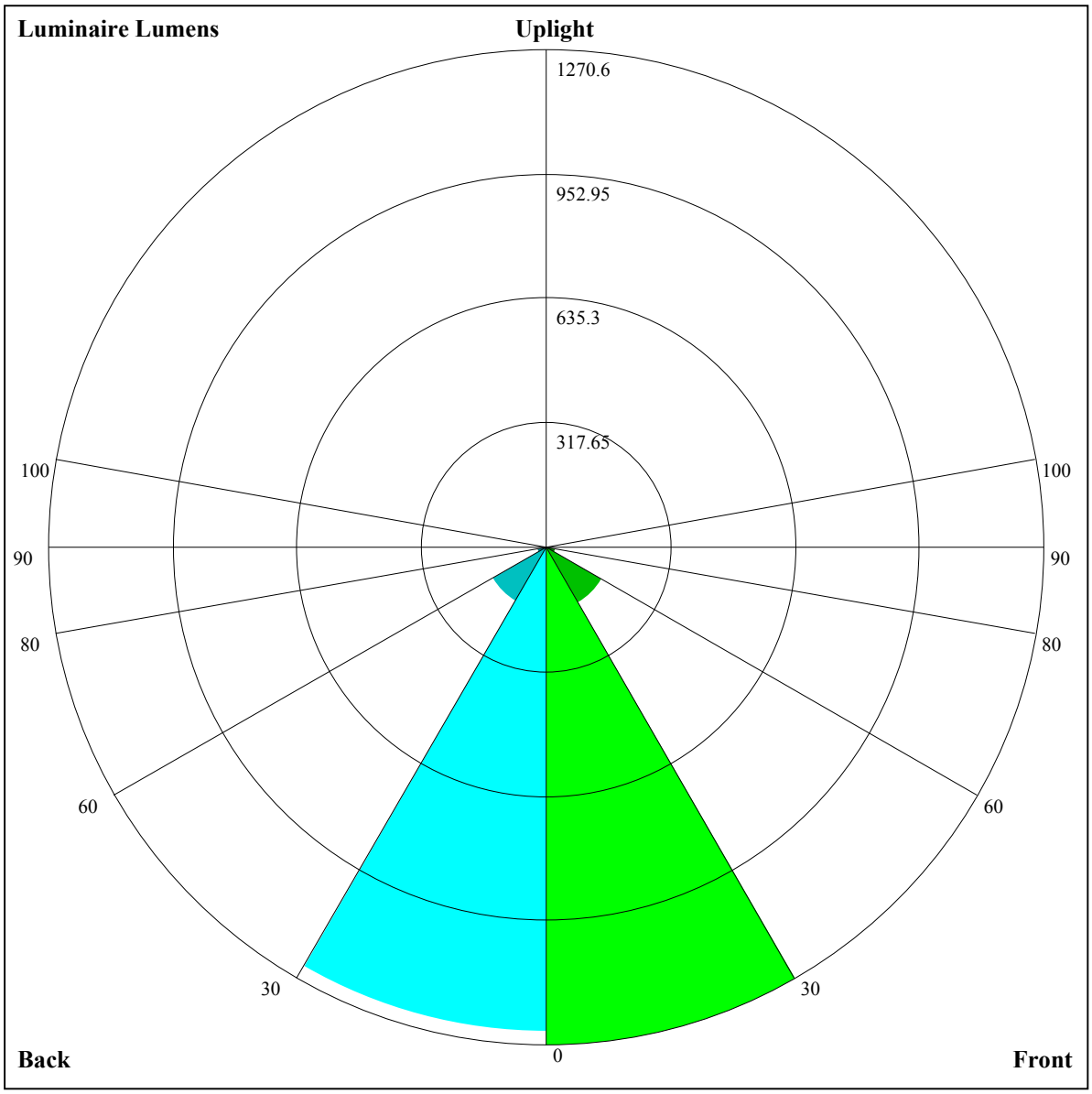
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
7	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
8	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54

Coefficient Utilization Curve



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



Luminaire Lumens:
FL=1270.6,FM=165.21,FH=23.91,FVH=7.8
BL=1237.81,BM=160.8,BH=23.22,BVH=7.8
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	10197.60	10153.13	10010.33	9742.88	9283.48	8818.81	8173.31	7622.61	7065.48
45.0	10127.38	10199.95	10173.02	10064.76	9761.03	9398.19	8947.56	8295.62	7756.63
90.0	10191.75	10134.99	9985.75	9715.96	9243.10	8764.97	8104.25	7560.58	7011.64
135.0	10153.13	10169.51	10111.58	9873.97	9573.75	9151.81	8671.34	8011.20	7454.07
180.0	10197.60	10141.42	9981.66	9721.23	9350.20	8783.12	8254.07	7696.94	6986.47
225.0	10127.38	9963.51	9619.99	9227.30	8628.62	8093.14	7524.88	6813.83	6275.43
270.0	10191.75	10139.67	9979.90	9720.06	9276.46	8826.42	8302.06	7750.19	7053.78
315.0	10153.13	10051.30	9784.44	9452.61	9025.98	8376.97	7839.15	7284.94	6594.37
360.0	10197.60	10153.13	10010.33	9742.88	9283.48	8818.81	8173.31	7622.61	7065.48

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6403.01	5886.84	5425.68	4987.35	4489.90	4117.70	3787.63	3483.90	3148.57
45.0	7212.96	6535.27	6019.68	5543.89	5003.73	4612.22	4230.06	3806.95	3507.31
90.0	6473.82	5835.92	5360.72	4929.99	4523.85	4166.86	3758.96	3466.93	3143.30
135.0	6765.84	6243.82	5744.04	5169.35	4749.74	4358.23	3996.56	3590.41	3301.90
180.0	6446.90	5928.97	5330.87	4877.91	4478.79	4023.48	3687.56	3408.41	3068.98
225.0	5763.35	5194.52	4781.93	4394.51	4039.28	3641.33	3350.47	3088.88	2855.37
270.0	6518.29	6000.96	5402.86	4960.43	4546.67	4082.59	3757.79	3397.87	3137.45
315.0	6070.01	5587.20	5041.19	4626.85	4255.23	3834.45	3529.55	3258.59	3007.53
360.0	6403.01	5886.84	5425.68	4987.35	4489.90	4117.70	3787.63	3483.90	3148.57

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2916.82	2697.95	2458.00	2269.56	2050.69	1879.22	1710.67	1540.96	1270.58
45.0	3248.06	3011.04	2743.01	2552.22	2366.12	2186.46	2013.82	1797.87	1624.64
90.0	2912.72	2705.55	2462.69	2277.75	2105.11	1887.99	1715.35	1542.71	1384.12
135.0	3049.67	2824.94	2571.54	2380.17	2198.75	1986.90	1818.35	1606.50	1442.05
180.0	2827.87	2616.60	2413.53	2186.46	2026.11	1848.20	1686.09	1481.26	1343.74
225.0	2585.00	2394.21	2174.75	2005.04	1843.52	1631.67	1463.12	1161.32	1161.32
270.0	2898.68	2675.71	2428.16	2257.27	2088.14	1911.40	1708.92	1538.62	1372.41
315.0	2731.89	2527.65	2333.35	2157.78	1947.10	1782.07	1611.18	1410.45	1147.51
360.0	2916.82	2697.95	2458.00	2269.56	2050.69	1879.22	1710.67	1540.96	1270.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1147.57	1147.57	1044.10	909.44	797.13	682.84	572.99	433.30	327.20
45.0	1414.55	1287.55	1187.48	1065.17	955.73	841.61	695.31	581.19	468.82
90.0	1158.10	1158.10	1061.89	925.71	810.13	689.57	566.50	446.76	314.62
135.0	1317.40	1225.52	1113.16	1010.74	900.72	786.02	640.88	527.35	416.15
180.0	1223.18	1139.49	1040.59	904.23	788.36	673.07	561.87	428.44	329.54
225.0	1120.53	1026.13	918.86	806.03	659.49	545.02	436.29	334.57	220.51
270.0	1260.05	1150.03	1058.15	931.74	821.13	700.57	549.58	440.15	331.88
315.0	1147.51	1076.40	974.93	863.44	718.36	599.80	484.39	374.43	253.11
360.0	1147.57	1147.57	1044.10	909.44	797.13	682.84	572.99	433.30	327.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	235.79	150.52	117.57	105.57	94.10	86.67	78.54	72.63	67.36
45.0	362.31	312.57	312.57	123.01	107.39	94.81	86.96	80.12	72.33
90.0	225.37	147.89	119.21	107.74	96.56	89.13	82.05	75.55	68.71
135.0	312.57	312.57	142.44	118.57	105.52	96.97	89.42	80.41	74.67
180.0	306.13	306.13	126.76	109.09	99.37	89.25	81.58	75.14	67.94
225.0	149.70	106.86	96.27	87.55	78.48	71.92	66.36	61.57	56.01
270.0	305.55	204.42	113.24	101.07	91.53	82.69	75.73	69.70	64.55
315.0	176.04	127.99	108.03	96.39	88.60	82.11	74.27	68.88	62.44
360.0	235.79	150.52	117.57	105.57	94.10	86.67	78.54	72.63	67.36

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	62.09	56.59	52.73	49.22	46.23	42.78	40.56	38.62	36.87
45.0	66.89	61.62	55.89	52.14	47.75	44.71	41.96	39.62	37.10
90.0	63.32	58.76	53.84	50.21	47.17	44.30	41.14	39.09	36.75
135.0	67.89	62.74	58.46	54.72	50.33	47.23	44.36	42.14	40.15
180.0	62.44	57.88	53.08	49.63	46.64	44.01	41.61	39.09	37.28
225.0	52.32	49.16	46.12	43.07	40.73	38.80	36.64	35.00	33.65
270.0	58.58	54.37	50.10	46.88	44.13	41.14	39.03	37.22	35.58
315.0	57.88	54.07	49.80	46.82	44.18	41.90	39.56	37.81	36.34
360.0	62.09	56.59	52.73	49.22	46.23	42.78	40.56	38.62	36.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.11	33.94	32.77	32.30	31.78	31.08	30.37	29.85	28.56
45.0	35.35	33.94	32.89	31.84	30.96	30.55	29.96	29.44	29.03
90.0	35.29	34.00	32.60	32.19	31.66	30.96	30.37	29.96	28.56
135.0	37.92	36.69	35.11	34.00	33.53	32.66	31.78	31.25	30.37
180.0	35.76	34.18	33.07	32.30	31.60	30.84	30.20	29.55	28.27
225.0	32.36	31.31	30.72	30.31	29.73	29.20	28.62	27.33	26.22
270.0	34.00	33.01	31.95	31.43	30.90	30.14	29.79	29.14	27.86
315.0	35.17	33.71	32.95	32.54	31.66	31.02	30.67	29.20	27.92
360.0	35.11	33.94	32.77	32.30	31.78	31.08	30.37	29.85	28.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.21	26.16	24.93	24.81	25.57	26.22	27.15	28.15	28.44
45.0	27.80	26.51	25.63	24.11	23.00	22.06	21.13	20.01	19.25
90.0	27.33	26.04	24.64	23.53	22.71	21.30	20.37	19.61	19.37
135.0	28.56	27.68	26.57	24.76	23.88	23.00	22.00	22.00	22.41
180.0	27.04	25.75	24.35	23.35	22.53	22.00	22.82	23.88	24.05
225.0	25.28	23.64	22.65	21.83	20.72	19.66	19.02	18.32	17.85
270.0	26.74	25.40	23.94	22.77	21.83	20.78	20.07	19.61	19.55
315.0	27.10	25.28	24.17	23.41	22.18	21.71	21.89	22.47	23.23
360.0	27.21	26.16	24.93	24.81	25.57	26.22	27.15	28.15	28.44

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	28.44	27.80	27.04	26.57	25.57	24.87	23.94	23.12	22.12
45.0	18.73	18.20	17.73	17.38	17.03	16.62	16.39	15.98	15.68
90.0	19.49	20.37	20.89	21.19	21.36	21.19	20.95	20.31	19.37
135.0	22.88	23.94	24.76	24.81	25.34	25.11	24.99	24.46	24.17
180.0	24.05	23.88	23.00	22.71	22.12	21.42	20.66	20.19	19.61
225.0	17.50	17.03	16.68	16.39	16.09	15.68	15.33	15.04	14.69
270.0	19.84	20.48	20.83	20.89	20.89	20.66	20.25	19.49	18.14
315.0	23.76	24.29	24.40	24.64	24.52	23.76	23.29	22.71	20.66
360.0	28.44	27.80	27.04	26.57	25.57	24.87	23.94	23.12	22.12

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.83	17.21	14.40	13.93	13.69	13.40	12.87	12.70	12.52
45.0	15.33	14.92	14.63	14.34	13.99	13.69	13.11	12.82	12.64
90.0	17.73	15.86	14.57	13.99	13.58	13.11	12.87	12.70	12.64
135.0	22.59	19.84	16.44	14.46	13.87	13.34	12.99	12.76	12.70
180.0	18.49	15.51	14.10	13.69	13.40	12.99	12.70	12.52	12.35
225.0	14.34	13.99	13.69	13.34	12.99	12.76	12.52	12.35	12.52
270.0	16.68	14.63	13.99	13.75	13.46	13.05	12.76	12.52	12.41
315.0	18.20	15.39	14.34	13.81	13.52	12.99	12.70	12.64	12.41
360.0	20.83	17.21	14.40	13.93	13.69	13.40	12.87	12.70	12.52

Intensity data(cd)

C/γ(°)	90.0
0.0	12.35
45.0	12.47
90.0	12.41
135.0	12.47
180.0	12.47
225.0	12.41
270.0	12.52
315.0	12.47
360.0	12.35