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

NT

Client:
LumCAT: 2-2679-L
Luminaire: 92.70.412.00
Report No: 2024322-B005
Ballast type: AC

Test No: 2024322-C005	Voltage(V): 34.720
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.033
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2943.74, Efficiency(%): 84.44% , Luminous Efficacy(lm/W): 146.94
Central intensity(cd): 9490.799, Maximum intensity(cd): 9490.799
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.6
[C90/270]Total=24.6
Field angle(10%Imax): [C0/180]Total=61.2
[C90/270]Total=61.2
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.44%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.056%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9490.799	0.000	0	0.00%	0.00%
1.0	9436.373	9.056	9.056	0.26%	0.31%
2.0	9265.121	26.842	35.898	0.77%	1.22%
3.0	8962.048	43.593	79.492	1.25%	2.70%
4.0	8580.262	58.720	138.212	1.68%	4.70%
5.0	8130.151	71.887	210.099	2.06%	7.14%
6.0	7646.755	82.912	293.011	2.38%	9.95%
7.0	7159.262	91.901	384.911	2.64%	13.08%
8.0	6656.335	98.876	483.787	2.84%	16.43%
9.0	6199.859	104.192	587.979	2.99%	19.97%
10.0	5719.901	107.869	695.849	3.09%	23.64%
11.0	5306.147	110.173	806.022	3.16%	27.38%
12.0	4845.356	110.970	916.992	3.18%	31.15%
13.0	4450.109	110.314	1027.306	3.16%	34.90%
14.0	4092.756	109.348	1136.654	3.14%	38.61%
15.0	3744.986	107.600	1244.254	3.09%	42.27%
16.0	3447.546	105.391	1349.645	3.02%	45.85%
17.0	3145.277	102.668	1452.313	2.95%	49.34%
18.0	2907.895	99.804	1552.116	2.86%	52.73%
19.0	2681.633	97.246	1649.363	2.79%	56.03%
20.0	2489.679	94.649	1744.012	2.72%	59.24%
21.0	2303.138	92.032	1836.044	2.64%	62.37%
22.0	2129.985	89.085	1925.129	2.56%	65.40%
23.0	1980.972	86.259	2011.388	2.47%	68.33%
24.0	1835.544	83.443	2094.831	2.39%	71.16%
25.0	1701.527	80.425	2175.256	2.31%	73.89%
26.0	1546.955	76.681	2251.937	2.20%	76.50%
27.0	1380.985	71.633	2323.57	2.05%	78.93%
28.0	1251.445	66.648	2390.217	1.91%	81.20%
29.0	1159.953	63.089	2453.306	1.81%	83.34%
30.0	1031.744	59.175	2512.482	1.70%	85.35%
31.0	900.837	53.781	2566.263	1.54%	87.18%
32.0	777.932	48.095	2614.357	1.38%	88.81%
33.0	657.815	42.298	2656.655	1.21%	90.25%
34.0	542.167	36.315	2692.97	1.04%	91.48%
35.0	445.364	30.669	2723.639	0.88%	92.52%
36.0	358.106	25.583	2749.222	0.73%	93.39%
37.0	289.130	21.109	2770.331	0.61%	94.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	250.674	18.018	2788.349	0.52%	94.72%
39.0	181.010	14.735	2803.084	0.42%	95.22%
40.0	129.510	10.830	2813.913	0.31%	95.59%
41.0	99.781	8.165	2822.078	0.23%	95.87%
42.0	80.615	6.554	2828.632	0.19%	96.09%
43.0	66.299	5.442	2834.075	0.16%	96.27%
44.0	57.030	4.655	2838.729	0.13%	96.43%
45.0	49.971	4.112	2842.841	0.12%	96.57%
46.0	44.836	3.708	2846.549	0.11%	96.70%
47.0	41.090	3.417	2849.967	0.10%	96.81%
48.0	37.996	3.197	2853.164	0.09%	96.92%
49.0	35.757	3.029	2856.192	0.09%	97.03%
50.0	33.702	2.896	2859.088	0.08%	97.12%
51.0	32.187	2.788	2861.876	0.08%	97.22%
52.0	31.046	2.713	2864.589	0.08%	97.31%
53.0	30.278	2.668	2867.257	0.08%	97.40%
54.0	29.788	2.647	2869.904	0.08%	97.49%
55.0	29.620	2.652	2872.556	0.08%	97.58%
56.0	29.715	2.681	2875.238	0.08%	97.67%
57.0	29.964	2.729	2877.966	0.08%	97.77%
58.0	30.359	2.790	2880.756	0.08%	97.86%
59.0	30.732	2.856	2883.612	0.08%	97.96%
60.0	30.812	2.908	2886.519	0.08%	98.06%
61.0	30.534	2.928	2889.447	0.08%	98.16%
62.0	29.686	2.902	2892.348	0.08%	98.25%
63.0	28.332	2.822	2895.17	0.08%	98.35%
64.0	26.657	2.698	2897.868	0.08%	98.44%
65.0	24.901	2.552	2900.42	0.07%	98.53%
66.0	23.065	2.393	2902.813	0.07%	98.61%
67.0	21.587	2.245	2905.059	0.06%	98.69%
68.0	20.490	2.132	2907.19	0.06%	98.76%
69.0	19.598	2.045	2909.235	0.06%	98.83%
70.0	18.961	1.980	2911.215	0.06%	98.90%
71.0	18.449	1.934	2913.149	0.06%	98.96%
72.0	18.018	1.896	2915.045	0.05%	99.03%
73.0	17.608	1.863	2916.908	0.05%	99.09%
74.0	17.206	1.830	2918.738	0.05%	99.15%
75.0	16.876	1.801	2920.539	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.503	1.772	2922.311	0.05%	99.27%
77.0	16.189	1.743	2924.054	0.05%	99.33%
78.0	15.801	1.712	2925.767	0.05%	99.39%
79.0	15.457	1.680	2927.446	0.05%	99.45%
80.0	15.062	1.645	2929.091	0.05%	99.50%
81.0	14.675	1.608	2930.7	0.05%	99.56%
82.0	14.316	1.572	2932.272	0.05%	99.61%
83.0	13.965	1.537	2933.809	0.04%	99.66%
84.0	13.665	1.505	2935.314	0.04%	99.71%
85.0	13.350	1.474	2936.789	0.04%	99.76%
86.0	13.043	1.443	2938.231	0.04%	99.81%
87.0	12.765	1.412	2939.644	0.04%	99.86%
88.0	12.524	1.385	2941.029	0.04%	99.91%
89.0	12.326	1.362	2942.391	0.04%	99.95%
90.0	12.246	1.347	2943.739	0.04%	100.00%

Zonal flux distribution table

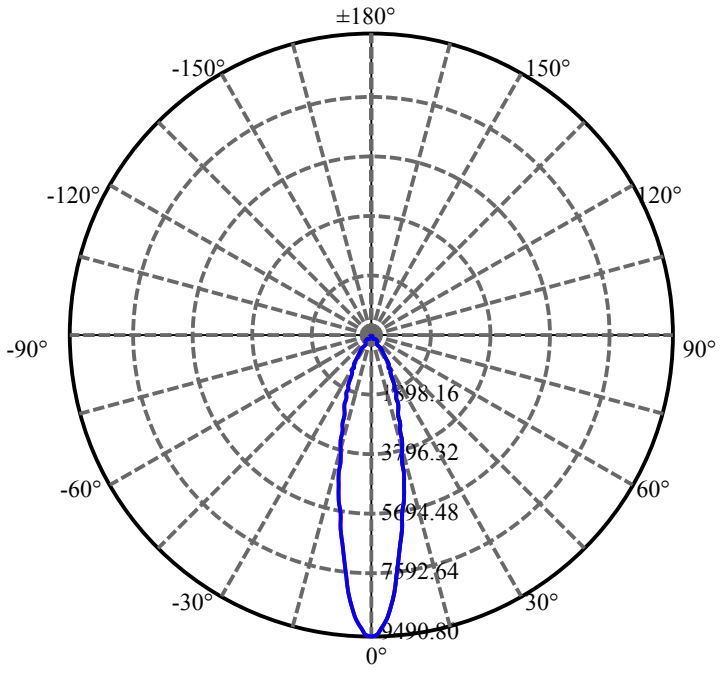
ZONAL LUMEN SUMMARY

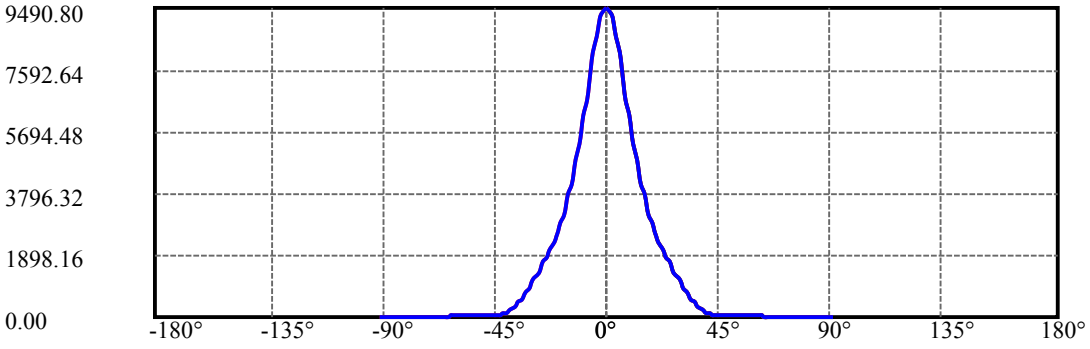
Zone	Lumens	%Lamp	%Fixt
0-30	2512.48	72.07%	85.35%
0-40	2813.91	80.72%	95.59%
0-60	2886.52	82.80%	98.06%
0-90	2942.39	84.41%	99.95%
0-120	2942.39	84.41%	99.95%
0-180	2943.74	84.44%	100.00%
60-90	55.87	1.60%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.47	2354.99	67.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	695.85
10-20	1048.16
20-30	768.47
30-40	301.43
40-50	45.17
50-60	27.43
60-70	24.70
70-80	17.88
80-90	13.30
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):

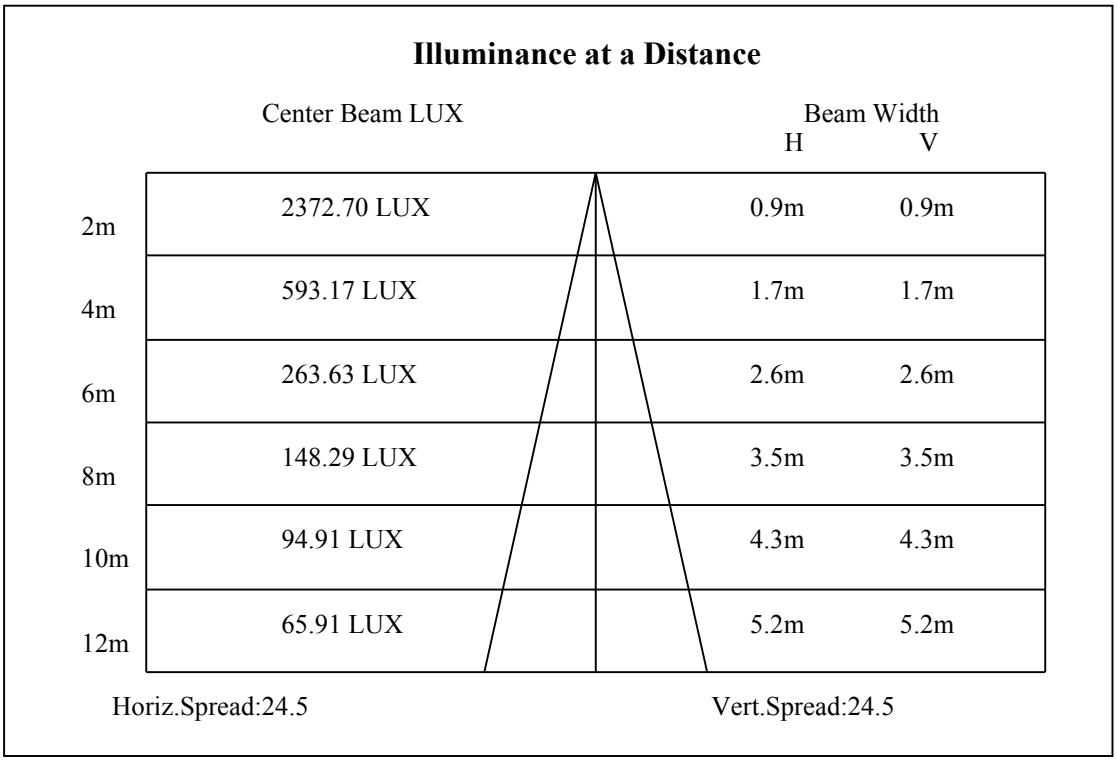
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.6 Right:30.6
:C90/270Left:30.6 Right:30.6

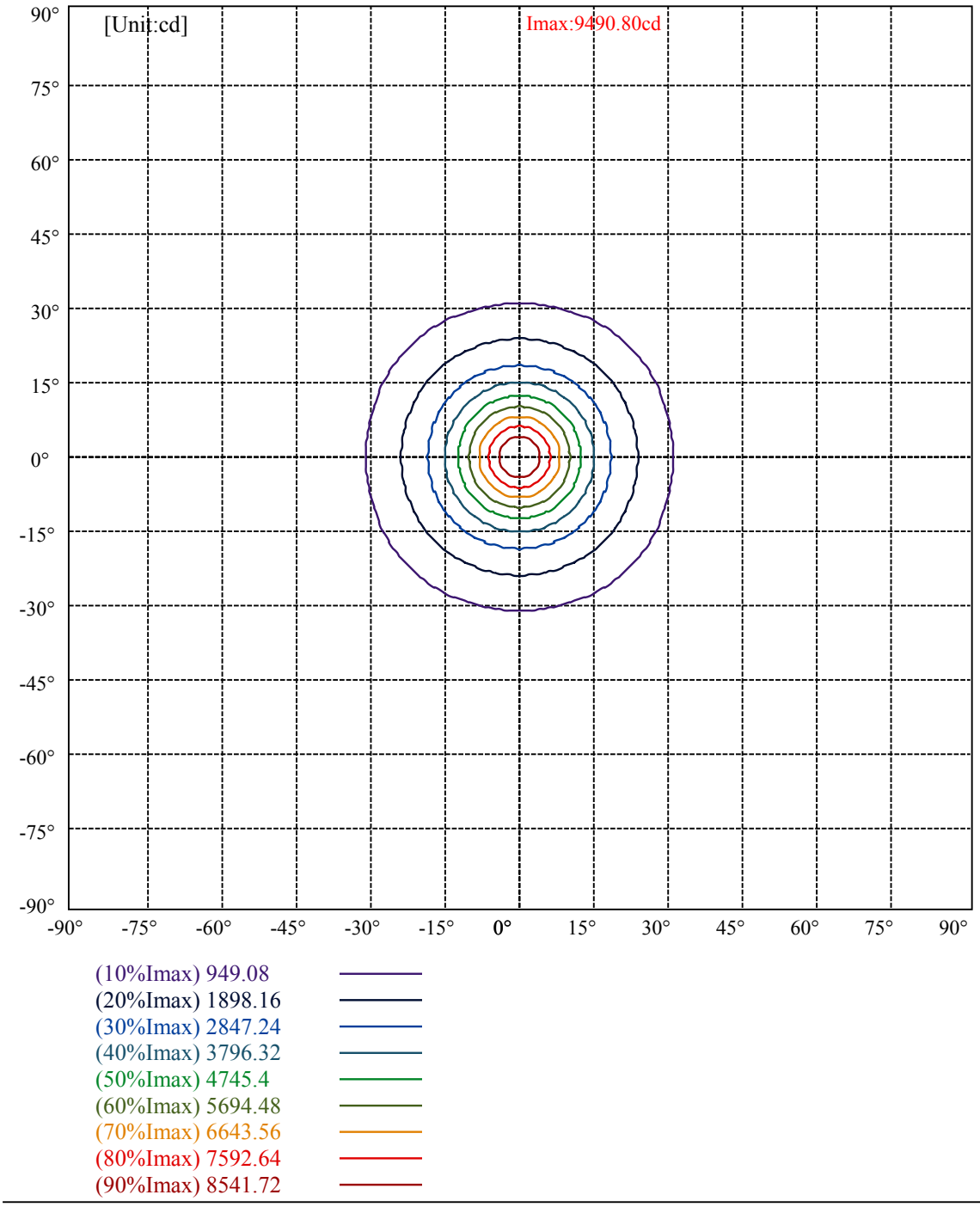
Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3
:C90/270Left:12.3 Right:12.3

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

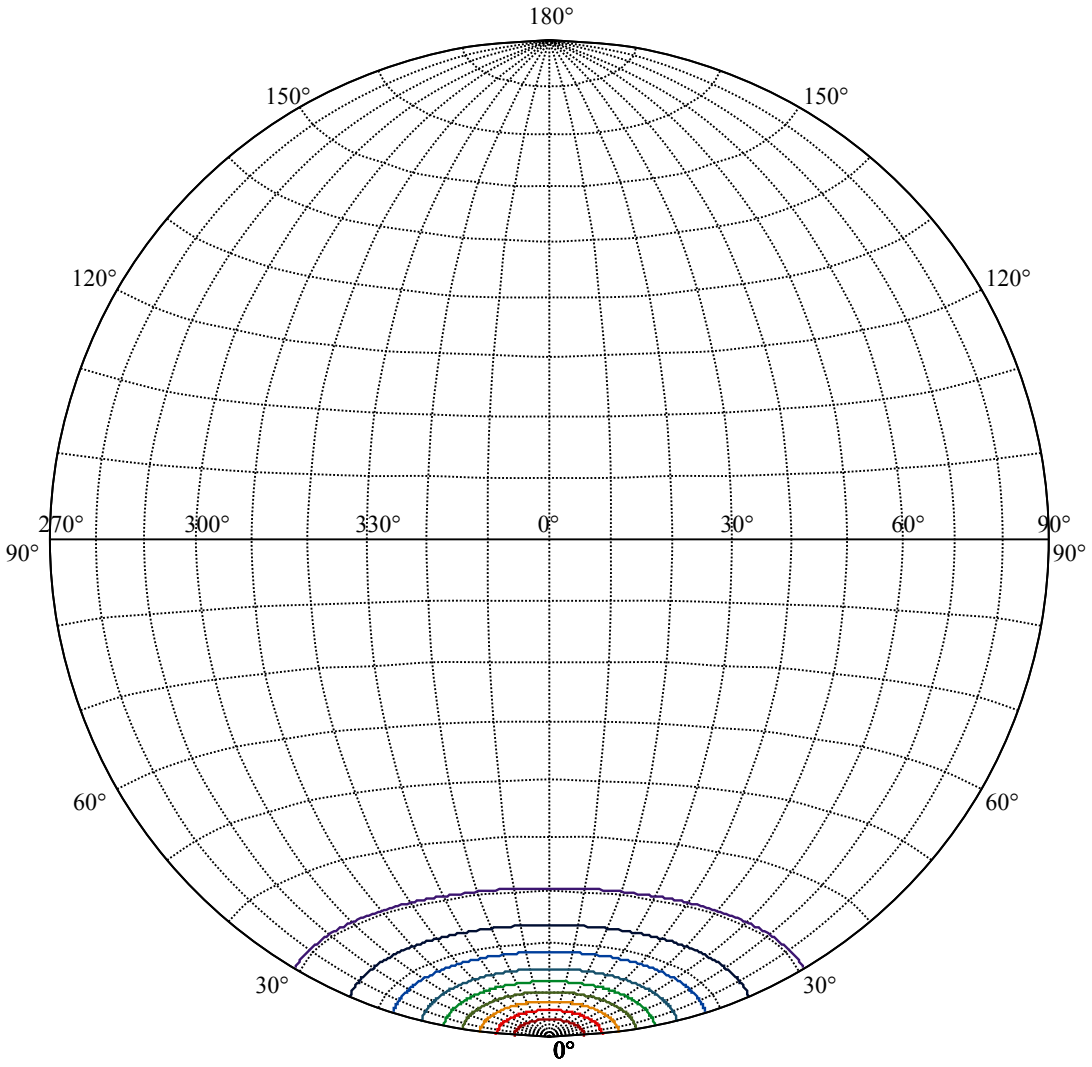


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

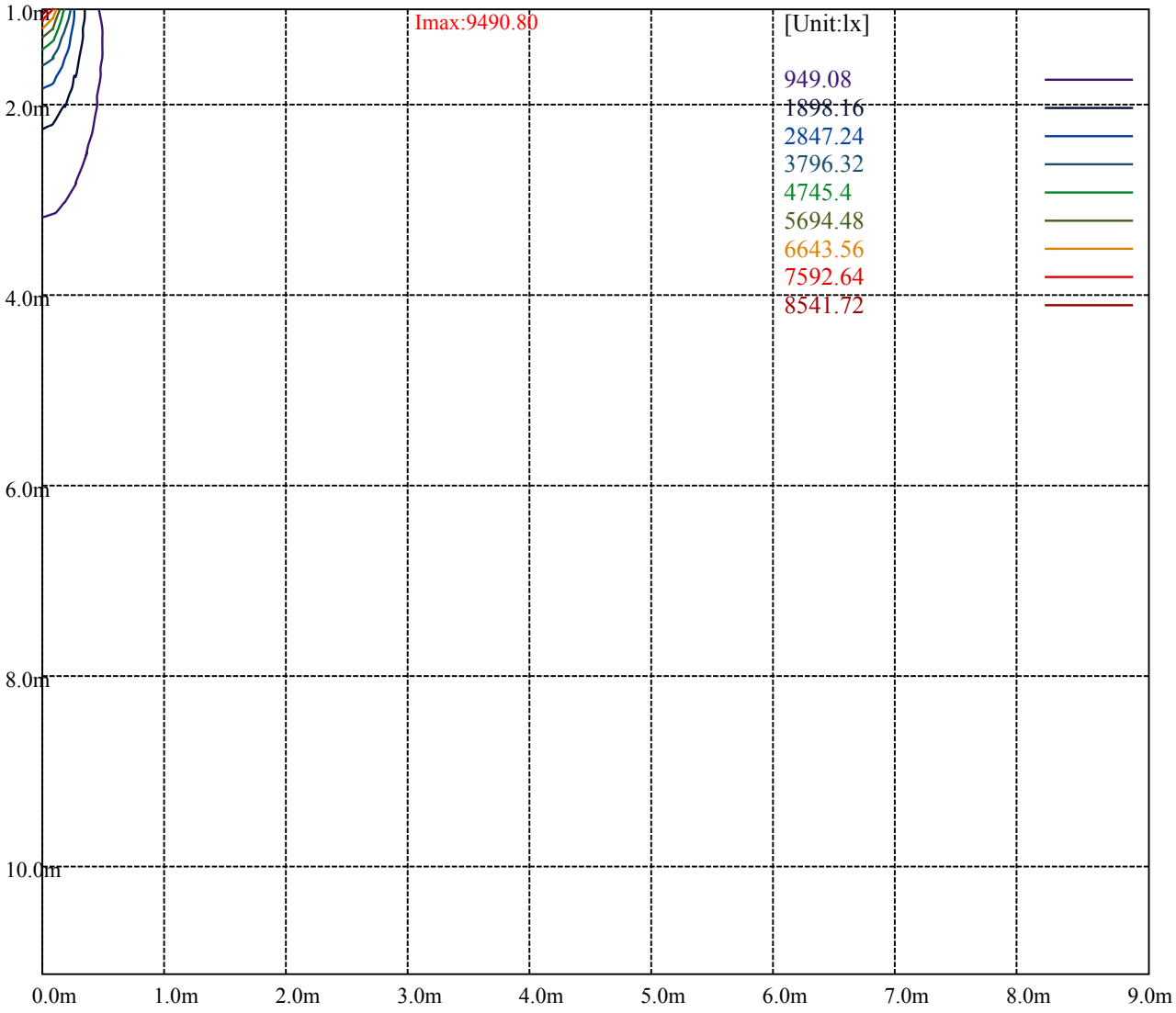
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

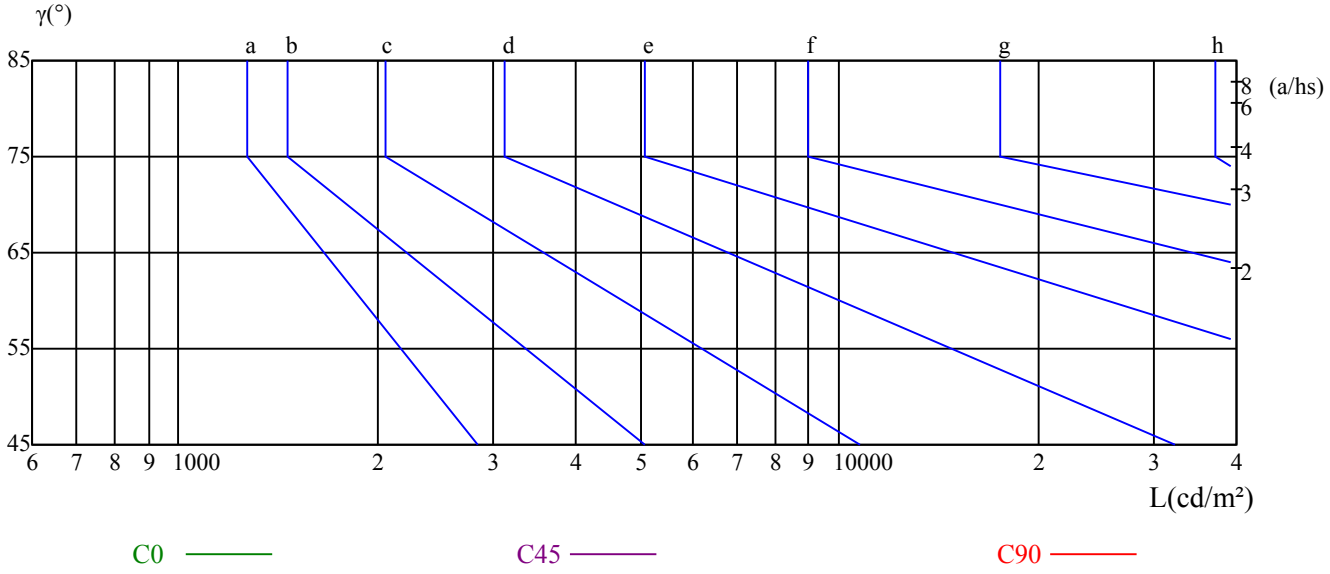
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

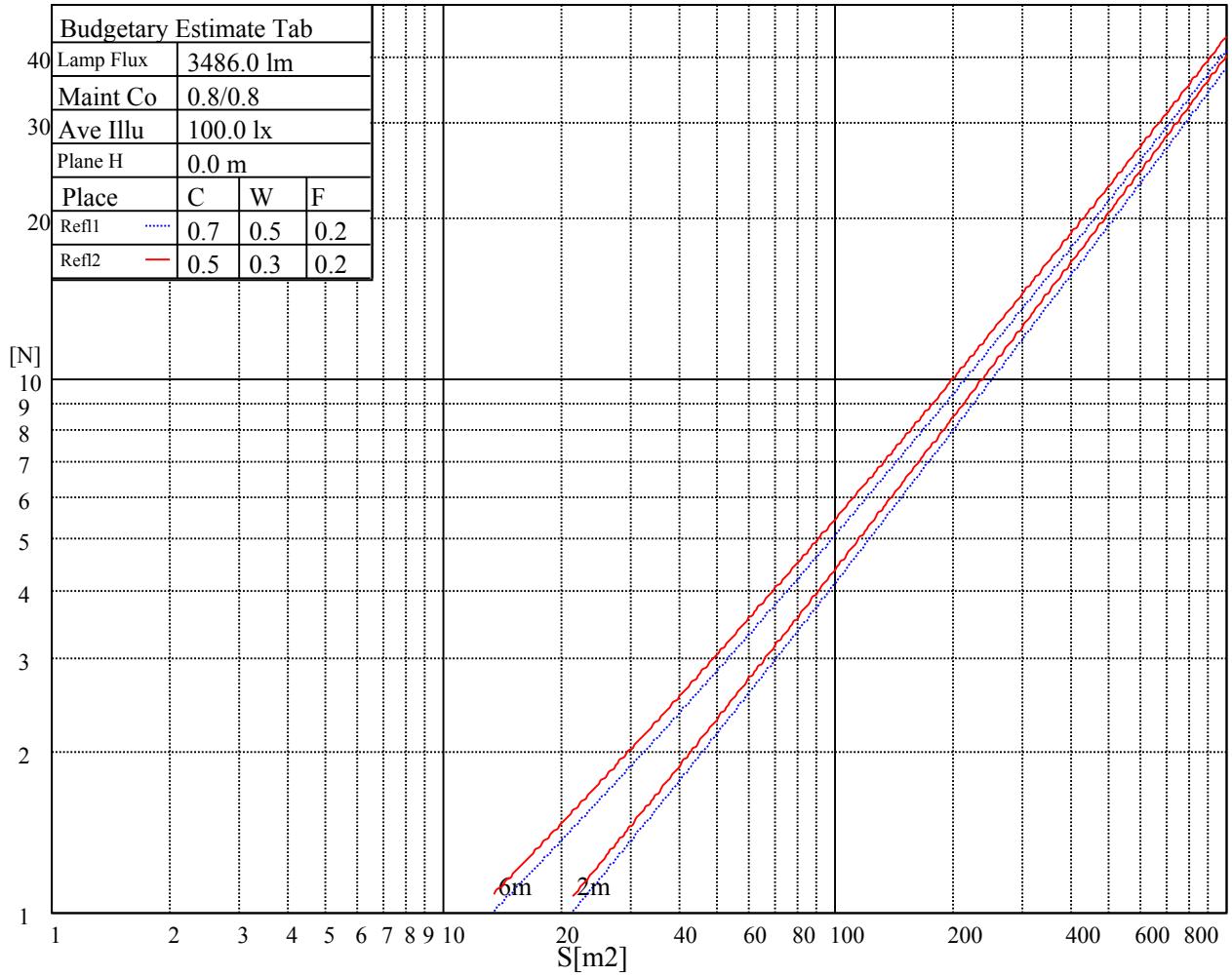
Luminance Limitting Curve



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

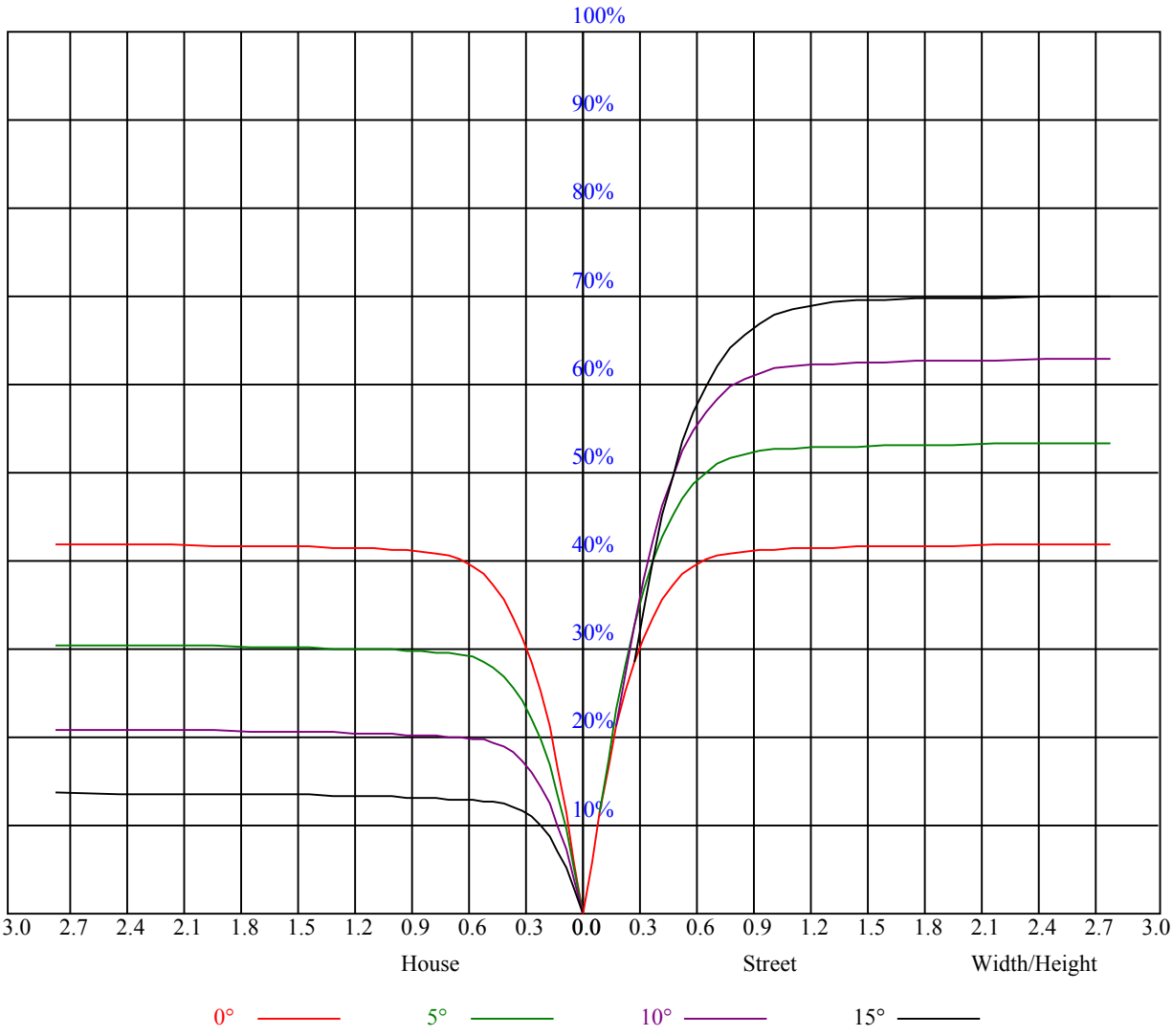


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

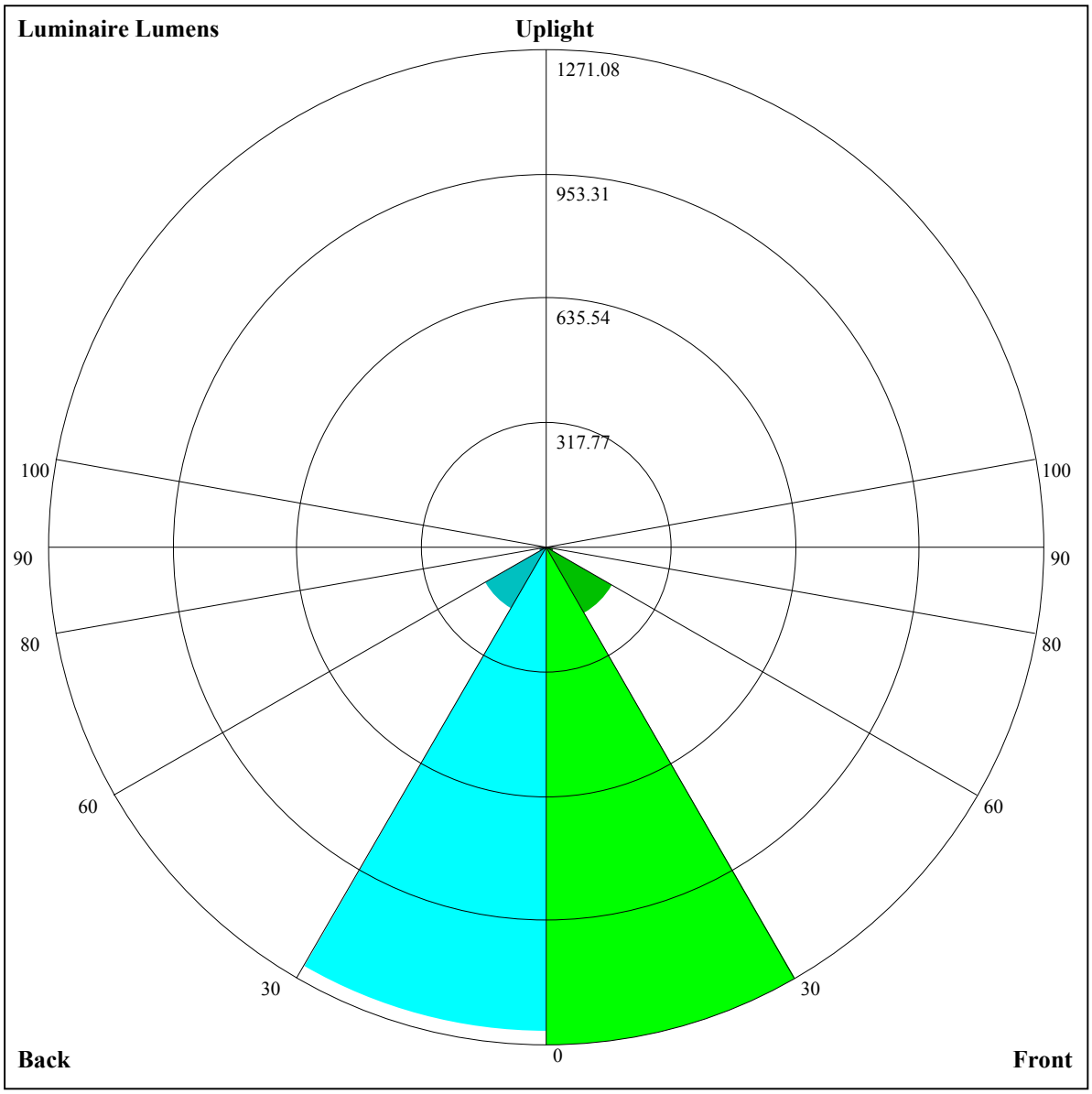
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	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	0.91	0.89	0.89	0.88	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	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.70	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.64	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1271.08,FM=193.98,FH=21.46,FVH=7.38
BL=1237.49,BM=183.55,BH=21.08,BVH=7.29
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	9540.40	9489.48	9306.89	8999.06	8622.76	8214.86	7665.34	7205.93	6744.78
45.0	9421.01	9535.71	9519.91	9386.48	9040.61	8660.80	8249.39	7811.64	7242.80
90.0	9514.06	9437.40	9255.39	8955.76	8575.36	8053.34	7613.84	7042.07	6585.60
135.0	9487.73	9487.14	9395.26	9137.76	8808.87	8307.33	7873.68	7425.98	6854.21
180.0	9540.40	9466.66	9303.97	8961.02	8585.89	8067.39	7626.13	7157.36	6575.06
225.0	9421.01	9226.13	8932.35	8451.29	8033.44	7588.09	6998.76	6529.41	6071.18
270.0	9514.06	9464.32	9316.26	9061.10	8618.67	8214.28	7785.31	7207.10	6743.02
315.0	9487.73	9384.14	9090.94	8743.91	8356.49	7935.12	7361.60	6894.59	6434.02
360.0	9540.40	9489.48	9306.89	8999.06	8622.76	8214.86	7665.34	7205.93	6744.78

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6300.59	5769.79	5346.67	4841.62	4462.40	4110.68	3714.48	3428.31	3169.05
45.0	6788.08	6344.48	5920.78	5394.66	4990.27	4601.68	4154.57	3822.16	3449.96
90.0	6149.60	5621.73	5203.29	4804.17	4338.33	3990.12	3675.86	3390.27	3070.73
135.0	6405.93	5969.94	5555.01	5047.62	4663.13	4293.27	3955.59	3647.77	3290.78
180.0	6123.27	5692.54	5277.62	4775.49	4403.88	4057.42	3739.65	3383.24	3128.09
225.0	5642.21	5132.48	4743.89	4378.71	4040.45	3660.64	3383.83	3130.43	2847.18
270.0	6294.15	5754.58	5340.82	4932.92	4468.84	4114.78	3795.24	3506.73	3180.76
315.0	5895.03	5473.67	5061.08	4587.64	4233.58	3913.46	3540.67	3271.47	3025.67
360.0	6300.59	5769.79	5346.67	4841.62	4462.40	4110.68	3714.48	3428.31	3169.05

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2940.23	2688.00	2503.07	2335.69	2179.44	1996.26	1859.32	1731.74	1579.00
45.0	3187.78	2955.44	2745.35	2507.75	2335.69	2176.51	2031.37	1863.41	1731.74
90.0	2848.35	2648.79	2462.10	2253.76	2099.85	1954.71	1789.09	1659.17	1504.09
135.0	3041.47	2823.18	2571.54	2389.53	2182.95	2031.37	1893.26	1729.40	1605.33
180.0	2896.34	2627.72	2444.54	2276.58	2085.22	1939.49	1778.56	1658.59	1530.42
225.0	2644.11	2415.87	2253.76	2098.09	1925.45	1797.28	1673.22	1549.15	1309.79
270.0	2948.42	2726.62	2542.86	2331.01	2180.02	2032.54	1865.76	1745.20	1586.60
315.0	2756.47	2567.44	2394.21	2232.69	2051.27	1919.60	1793.77	1675.56	1528.67
360.0	2940.23	2688.00	2503.07	2335.69	2179.44	1996.26	1859.32	1731.74	1579.00

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1456.68	1146.51	1146.51	1057.21	933.08	782.62	667.98	561.46	443.72
45.0	1607.67	1448.49	1332.03	1206.21	1052.88	930.57	809.42	665.46	561.29
90.0	1158.34	1158.34	1126.50	971.88	849.51	731.82	619.58	494.40	407.90
135.0	1478.34	1350.17	1195.09	1072.78	949.29	830.49	687.70	582.94	488.72
180.0	1405.77	1253.03	1129.54	1004.30	877.31	756.17	615.72	517.40	429.03
225.0	1151.20	1151.20	1026.13	871.93	753.36	641.23	540.46	428.56	350.20
270.0	1463.12	1338.47	1189.82	1061.66	937.00	815.28	697.65	564.80	471.16
315.0	1326.76	1165.36	1133.99	1007.99	854.25	735.28	624.03	522.31	410.89
360.0	1456.68	1146.51	1146.51	1057.21	933.08	782.62	667.98	561.46	443.72

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	362.14	290.15	228.76	167.43	131.38	104.23	84.57	67.59	58.35
45.0	467.07	361.14	304.96	304.96	171.76	126.70	101.01	82.28	68.65
90.0	331.06	264.87	196.05	152.92	120.50	91.24	74.79	60.69	53.20
135.0	385.72	311.40	311.40	177.79	138.93	110.02	84.57	70.46	60.45
180.0	332.47	298.52	298.52	153.04	120.32	90.89	74.85	63.38	55.30
225.0	265.58	209.63	164.10	120.79	95.98	78.24	65.49	54.89	48.98
270.0	389.23	315.49	297.94	224.02	143.44	107.04	86.38	71.57	58.99
315.0	331.59	261.83	203.66	147.13	113.77	89.89	73.27	59.52	52.32
360.0	362.14	290.15	228.76	167.43	131.38	104.23	84.57	67.59	58.35

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	50.10	45.41	41.73	38.16	35.93	34.06	32.60	31.25	30.49
45.0	57.18	50.68	45.88	41.26	38.45	36.11	33.77	32.36	31.31
90.0	47.52	43.25	39.21	36.69	34.70	33.01	31.49	30.55	29.90
135.0	53.31	46.76	42.84	39.68	37.10	34.47	32.89	31.66	30.55
180.0	49.33	43.89	40.56	37.86	35.70	33.47	32.07	30.78	30.14
225.0	44.48	41.02	37.63	35.46	33.71	31.95	30.90	30.20	29.67
270.0	52.03	45.71	41.90	38.92	36.46	34.06	32.54	31.43	30.55
315.0	45.82	41.96	38.98	35.93	34.00	32.48	31.25	30.14	29.61
360.0	50.10	45.41	41.73	38.16	35.93	34.06	32.60	31.25	30.49

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.96	29.73	29.73	29.96	30.20	30.72	30.90	30.72	29.90
45.0	30.37	29.96	29.73	29.73	30.02	30.31	30.72	31.02	30.72
90.0	29.55	29.44	29.61	29.96	30.37	30.84	30.96	30.55	29.79
135.0	29.96	29.61	29.55	29.73	30.14	30.55	30.84	30.78	30.14
180.0	29.67	29.50	29.61	29.85	30.31	30.67	30.67	30.43	29.44
225.0	29.55	29.67	30.08	30.49	30.90	30.90	30.49	29.67	28.32
270.0	29.90	29.73	29.79	30.08	30.55	31.02	31.19	30.84	30.14
315.0	29.32	29.32	29.61	29.90	30.37	30.84	30.72	30.26	29.03
360.0	29.96	29.73	29.73	29.96	30.20	30.72	30.90	30.72	29.90

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.79	26.92	25.28	23.53	22.18	21.07	20.01	19.37	19.02
45.0	30.14	29.09	27.15	25.46	23.29	21.95	20.89	20.07	19.49
90.0	28.09	26.45	24.64	22.94	21.30	20.25	19.43	18.84	18.26
135.0	29.03	27.68	25.98	23.64	22.18	20.95	19.84	19.08	18.55
180.0	28.03	26.45	24.70	22.59	21.24	20.25	19.31	18.73	18.20
225.0	26.63	24.40	22.71	21.07	20.07	19.31	18.61	18.14	17.73
270.0	28.44	26.74	24.99	23.12	21.42	20.31	19.55	18.84	18.20
315.0	27.51	25.52	23.76	22.18	21.01	19.84	19.14	18.61	18.14
360.0	28.79	26.92	25.28	23.53	22.18	21.07	20.01	19.37	19.02

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.67	18.02	17.67	17.26	16.80	16.50	16.09	15.74	15.45
45.0	19.14	18.61	17.91	17.44	17.09	16.74	16.39	16.09	15.68
90.0	17.79	17.44	17.09	16.74	16.44	16.09	15.74	15.39	14.98
135.0	18.02	17.62	17.21	16.97	16.62	16.33	15.86	15.51	15.16
180.0	17.79	17.44	17.09	16.80	16.44	16.15	15.74	15.39	14.98
225.0	17.32	17.03	16.68	16.44	16.04	15.68	15.33	14.98	14.51
270.0	17.79	17.44	17.03	16.68	16.33	16.04	15.68	15.33	14.92
315.0	17.62	17.26	16.97	16.68	16.27	15.98	15.57	15.22	14.81
360.0	18.67	18.02	17.67	17.26	16.80	16.50	16.09	15.74	15.45

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.98	14.63	14.28	13.87	13.52	13.28	12.82	12.64	12.41
45.0	15.33	14.98	14.46	14.16	13.75	13.40	13.05	12.76	12.47
90.0	14.69	14.28	14.05	13.69	13.46	13.05	12.76	12.58	12.35
135.0	14.75	14.34	13.99	13.69	13.34	13.11	12.87	12.58	12.41
180.0	14.57	14.16	13.81	13.52	13.23	12.93	12.70	12.41	12.23
225.0	14.16	13.87	13.52	13.28	12.99	12.70	12.52	12.29	12.23
270.0	14.57	14.22	13.87	13.64	13.28	12.99	12.76	12.52	12.29
315.0	14.34	14.05	13.75	13.46	13.23	12.87	12.64	12.41	12.23
360.0	14.98	14.63	14.28	13.87	13.52	13.28	12.82	12.64	12.41

Intensity data(cd)

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