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

NT

Client:
LumCAT: 1-1298-L
Luminaire: 92.70.410.00
Report No: 2024801-B017
Ballast type: AC

Test No: 2024801-C017	Voltage(V): 35.050
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.240
Lamp flux(lm): 1431.0	Power (W): 8.412
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1311.37, Efficiency(%): 91.64% , Luminous Efficacy(lm/W): 155.89
Central intensity(cd): 6122.391, Maximum intensity(cd): 6122.391
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.8
[C90/270]Total=18.8
Field angle(10%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.64%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.646%

NT 1-1298-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6122.390	0.000	0	0.00%	0.00%
1.0	6089.471	5.843	5.843	0.41%	0.45%
2.0	5933.070	17.256	23.099	1.21%	1.76%
3.0	5695.615	27.812	50.911	1.94%	3.88%
4.0	5363.499	37.018	87.929	2.59%	6.71%
5.0	4998.685	44.578	132.507	3.12%	10.10%
6.0	4557.132	50.218	182.725	3.51%	13.93%
7.0	4096.341	53.712	236.437	3.75%	18.03%
8.0	3640.816	55.373	291.811	3.87%	22.25%
9.0	3215.650	55.568	347.379	3.88%	26.49%
10.0	2838.327	54.786	402.165	3.83%	30.67%
11.0	2502.846	53.369	455.534	3.73%	34.74%
12.0	2213.818	51.560	507.094	3.60%	38.67%
13.0	1969.487	49.645	556.739	3.47%	42.45%
14.0	1766.780	47.824	604.563	3.34%	46.10%
15.0	1580.239	45.949	650.513	3.21%	49.61%
16.0	1417.078	43.919	694.432	3.07%	52.95%
17.0	1316.786	42.574	737.005	2.98%	56.20%
18.0	1151.467	40.696	777.701	2.84%	59.30%
19.0	1079.257	38.810	816.511	2.71%	62.26%
20.0	1000.830	38.071	854.583	2.66%	65.17%
21.0	911.290	36.717	891.299	2.57%	67.97%
22.0	833.331	35.059	926.358	2.45%	70.64%
23.0	757.808	33.386	959.745	2.33%	73.19%
24.0	692.738	31.714	991.459	2.22%	75.60%
25.0	627.815	30.026	1021.485	2.10%	77.89%
26.0	571.121	28.301	1049.786	1.98%	80.05%
27.0	510.353	26.459	1076.245	1.85%	82.07%
28.0	456.819	24.487	1100.732	1.71%	83.94%
29.0	406.673	22.591	1123.323	1.58%	85.66%
30.0	355.985	20.592	1143.915	1.44%	87.23%
31.0	315.861	18.696	1162.611	1.31%	88.66%
32.0	251.032	16.241	1178.852	1.13%	89.89%
33.0	213.995	13.700	1192.552	0.96%	90.94%
34.0	171.844	11.677	1204.228	0.82%	91.83%
35.0	126.314	9.260	1213.488	0.65%	92.54%
36.0	100.242	7.214	1220.702	0.50%	93.09%
37.0	78.822	5.840	1226.542	0.41%	93.53%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	64.792	4.794	1231.335	0.33%	93.90%
39.0	55.362	4.101	1235.437	0.29%	94.21%
40.0	49.269	3.649	1239.086	0.26%	94.49%
41.0	44.543	3.341	1242.426	0.23%	94.74%
42.0	40.395	3.086	1245.512	0.22%	94.98%
43.0	36.555	2.850	1248.363	0.20%	95.20%
44.0	33.307	2.637	1250.999	0.18%	95.40%
45.0	30.578	2.455	1253.455	0.17%	95.58%
46.0	28.449	2.308	1255.763	0.16%	95.76%
47.0	26.438	2.183	1257.946	0.15%	95.93%
48.0	24.748	2.069	1260.015	0.14%	96.08%
49.0	23.343	1.975	1261.99	0.14%	96.23%
50.0	22.041	1.892	1263.882	0.13%	96.38%
51.0	20.995	1.821	1265.703	0.13%	96.52%
52.0	20.139	1.765	1267.468	0.12%	96.65%
53.0	19.393	1.720	1269.188	0.12%	96.78%
54.0	18.764	1.682	1270.87	0.12%	96.91%
55.0	18.274	1.653	1272.523	0.12%	97.04%
56.0	17.879	1.634	1274.157	0.11%	97.16%
57.0	17.447	1.615	1275.772	0.11%	97.29%
58.0	17.023	1.594	1277.366	0.11%	97.41%
59.0	16.715	1.577	1278.943	0.11%	97.53%
60.0	16.291	1.559	1280.502	0.11%	97.65%
61.0	15.743	1.529	1282.031	0.11%	97.76%
62.0	15.267	1.494	1283.525	0.10%	97.88%
63.0	14.733	1.459	1284.984	0.10%	97.99%
64.0	14.111	1.415	1286.4	0.10%	98.10%
65.0	13.541	1.368	1287.768	0.10%	98.20%
66.0	13.080	1.328	1289.096	0.09%	98.30%
67.0	12.648	1.294	1290.39	0.09%	98.40%
68.0	12.253	1.261	1291.651	0.09%	98.50%
69.0	11.887	1.232	1292.883	0.09%	98.59%
70.0	11.302	1.191	1294.074	0.08%	98.68%
71.0	10.680	1.136	1295.21	0.08%	98.77%
72.0	10.154	1.083	1296.293	0.08%	98.85%
73.0	9.722	1.039	1297.333	0.07%	98.93%
74.0	9.400	1.005	1298.338	0.07%	99.01%
75.0	9.115	0.978	1299.316	0.07%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.873	0.955	1300.271	0.07%	99.15%
77.0	8.617	0.933	1301.204	0.07%	99.22%
78.0	8.391	0.910	1302.114	0.06%	99.29%
79.0	8.179	0.890	1303.005	0.06%	99.36%
80.0	7.959	0.870	1303.875	0.06%	99.43%
81.0	7.747	0.849	1304.724	0.06%	99.49%
82.0	7.571	0.831	1305.555	0.06%	99.56%
83.0	7.374	0.812	1306.367	0.06%	99.62%
84.0	7.176	0.793	1307.16	0.06%	99.68%
85.0	6.979	0.773	1307.932	0.05%	99.74%
86.0	6.613	0.743	1308.675	0.05%	99.79%
87.0	6.255	0.704	1309.379	0.05%	99.85%
88.0	6.101	0.677	1310.056	0.05%	99.90%
89.0	5.999	0.663	1310.719	0.05%	99.95%
90.0	5.940	0.655	1311.374	0.05%	100.00%

Zonal flux distribution table

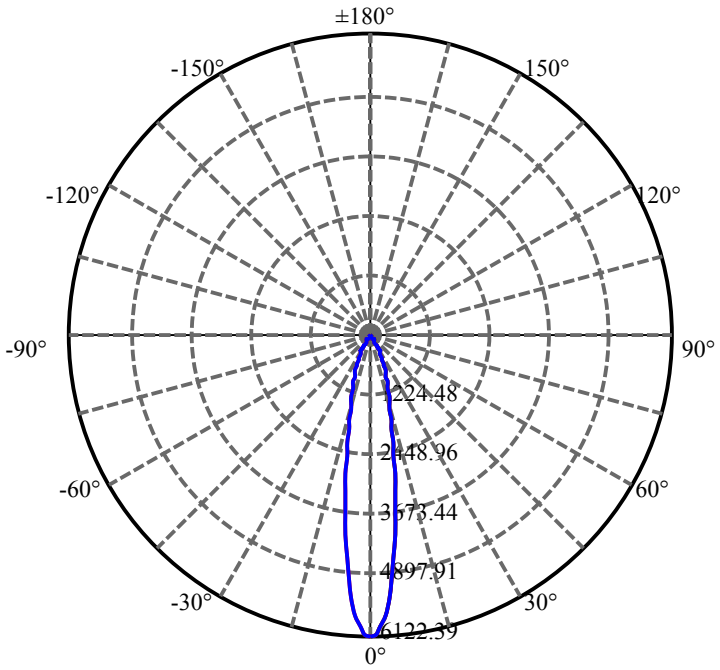
ZONAL LUMEN SUMMARY

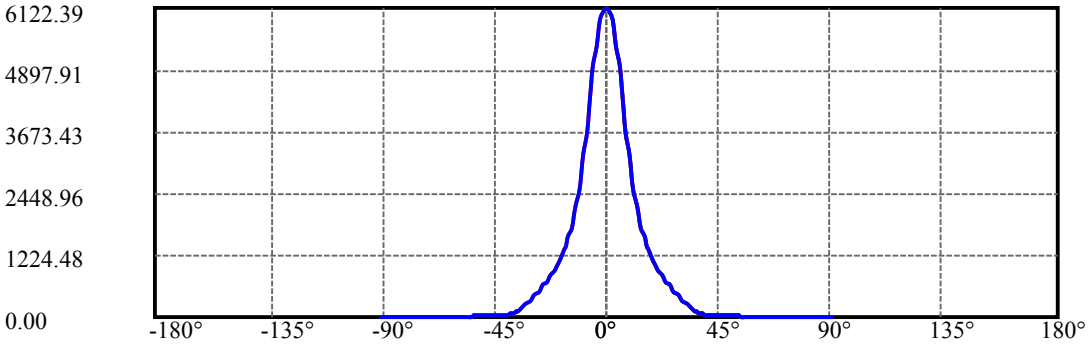
Zone	Lumens	%Lamp	%Fixt
0-30	1143.91	79.94%	87.23%
0-40	1239.09	86.59%	94.49%
0-60	1280.50	89.48%	97.65%
0-90	1310.72	91.59%	99.95%
0-120	1310.72	91.59%	99.95%
0-180	1311.37	91.64%	100.00%
60-90	30.22	2.11%	2.30%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.98	1049.10	73.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	402.16
10-20	452.42
20-30	289.33
30-40	95.17
40-50	24.80
50-60	16.62
60-70	13.57
70-80	9.80
80-90	6.84
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):

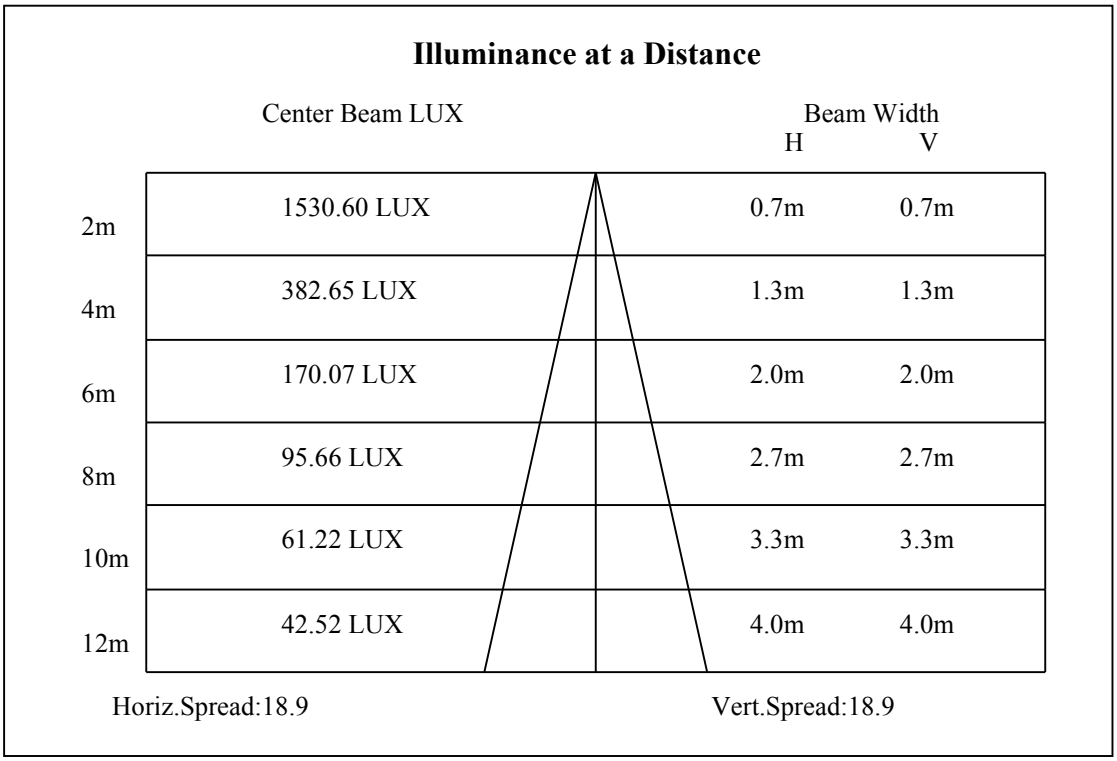
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3

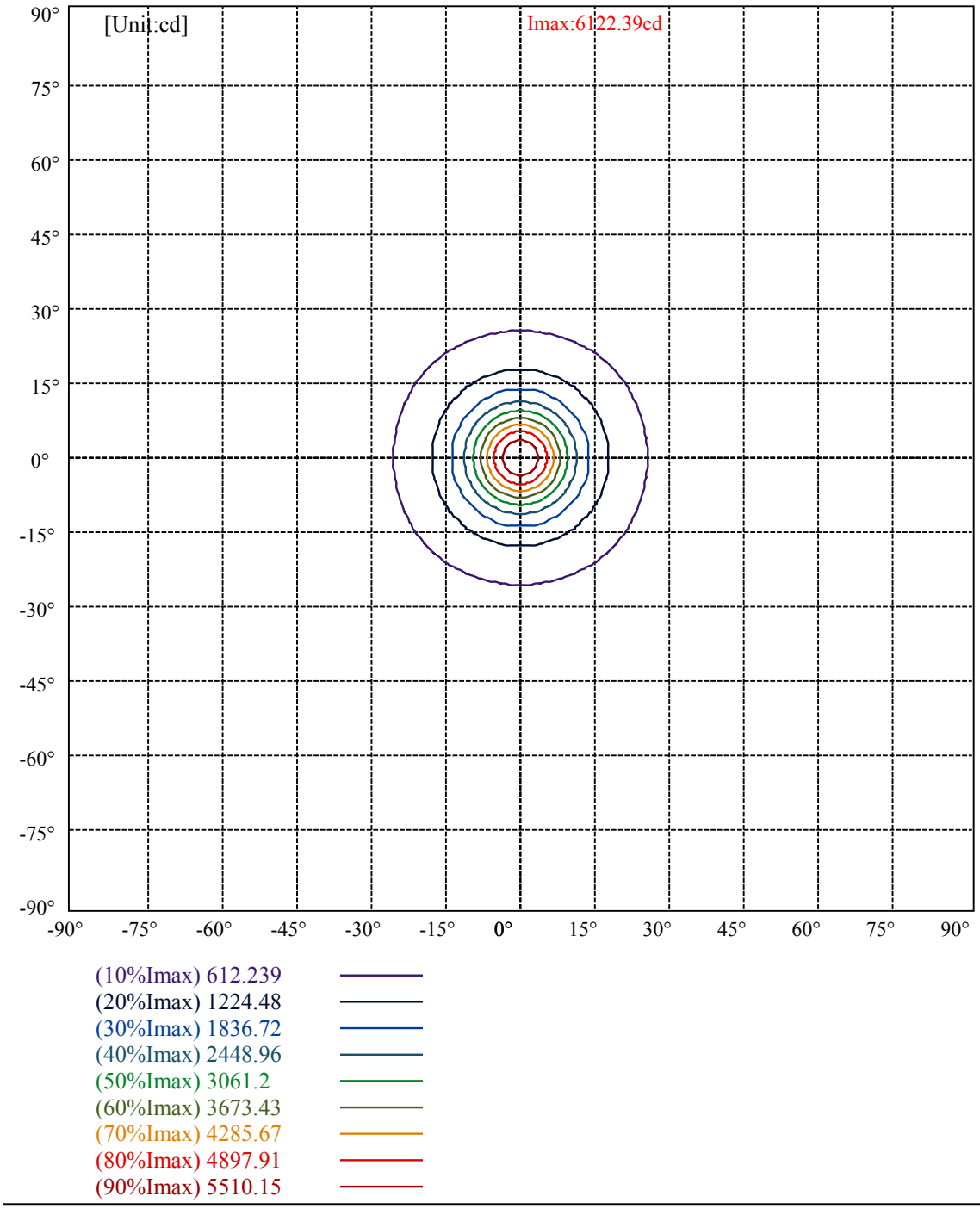
Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



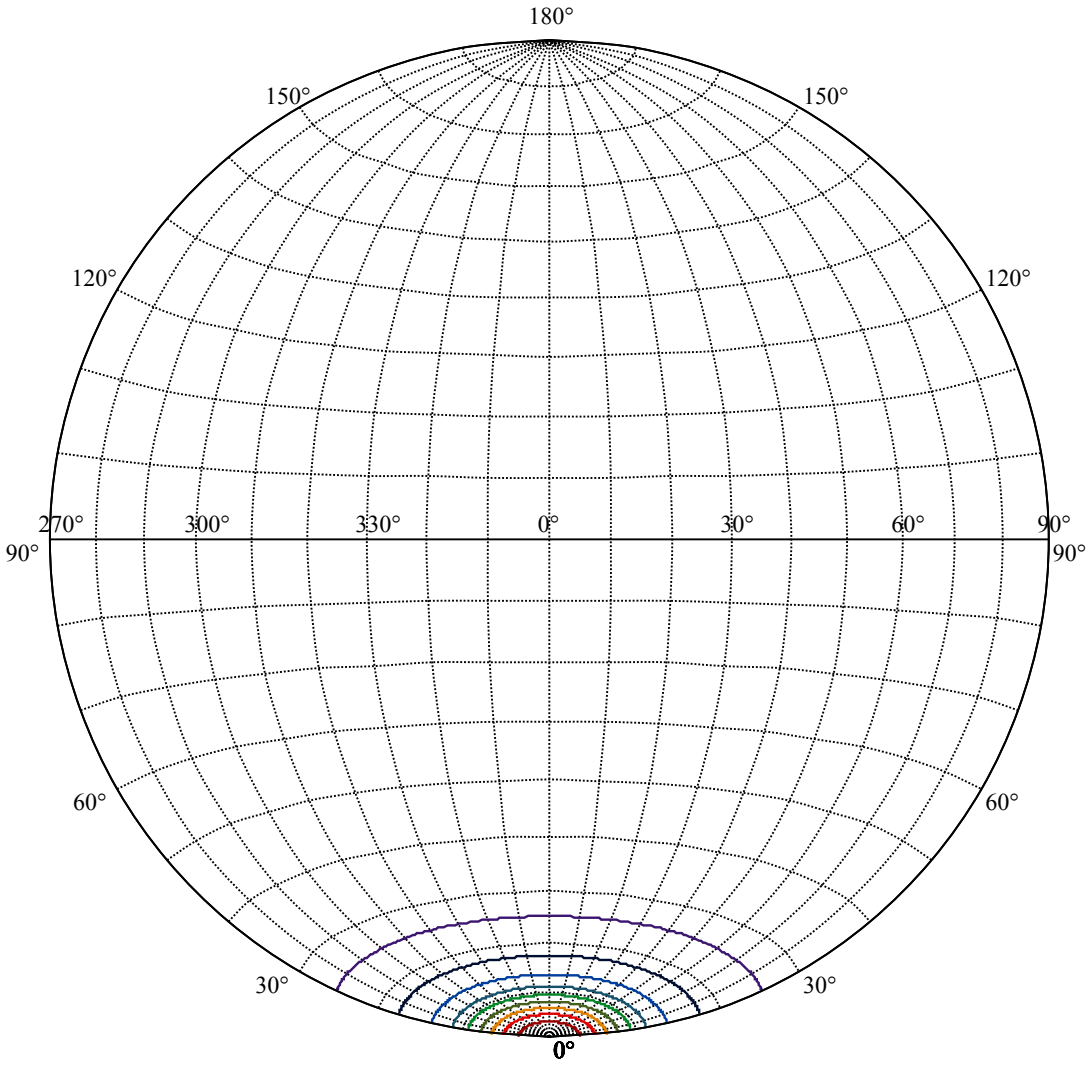
(10%Imax) 612.239
(20%Imax) 1224.48
(30%Imax) 1836.72
(40%Imax) 2448.96
(50%Imax) 3061.2
(60%Imax) 3673.43
(70%Imax) 4285.67
(80%Imax) 4897.91
(90%Imax) 5510.15

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



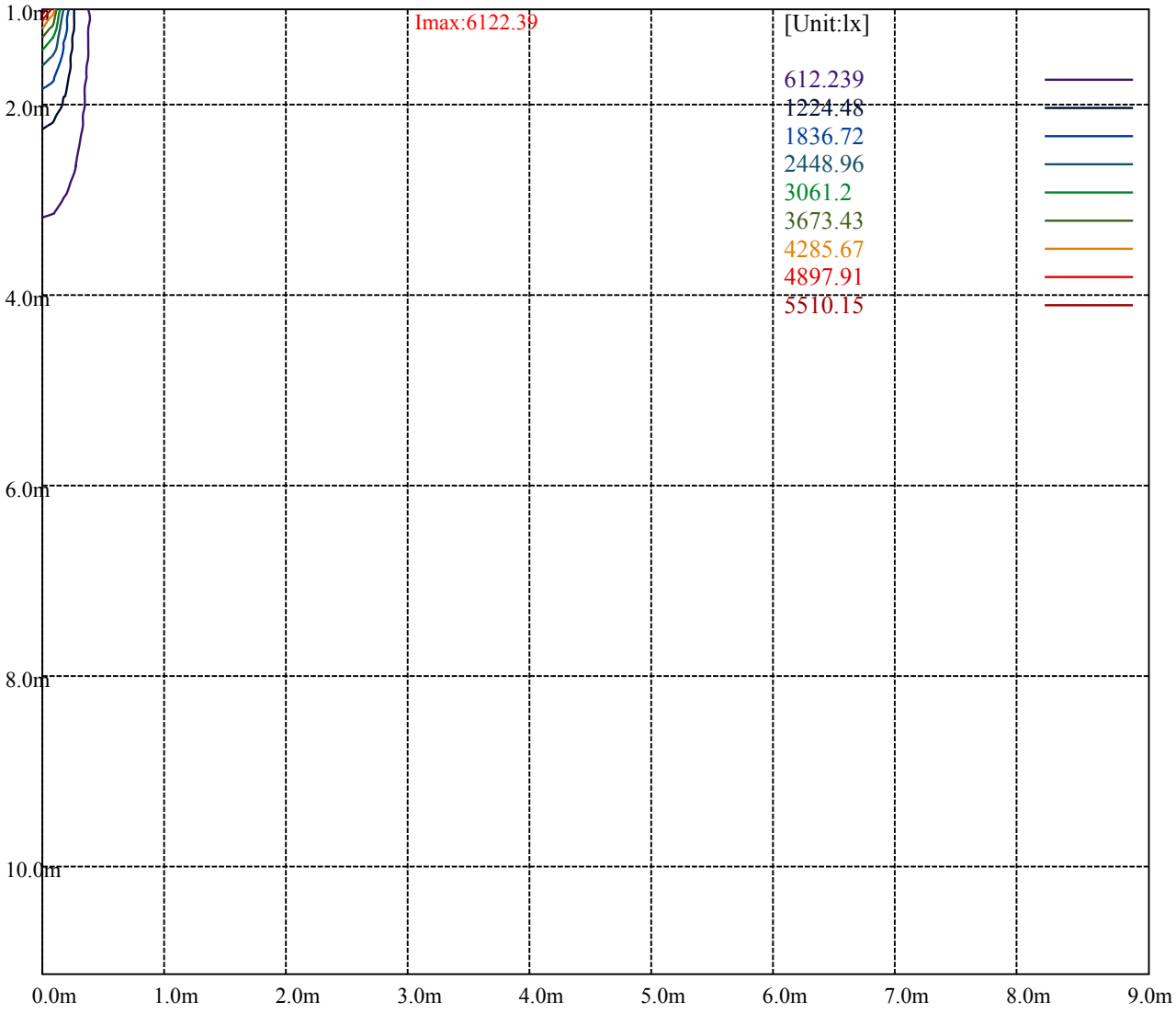
House [Unit:cd] Road

Imax:6122.39

(10%Imax) 612.239
(20%Imax) 1224.48
(30%Imax) 1836.72
(40%Imax) 2448.96
(50%Imax) 3061.2
(60%Imax) 3673.43
(70%Imax) 4285.67
(80%Imax) 4897.91
(90%Imax) 5510.15

Equipment: GMS1980	Date: 2024/8/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1298-L

Luminance Limitting Curve(no luminous side)

Luminance Table

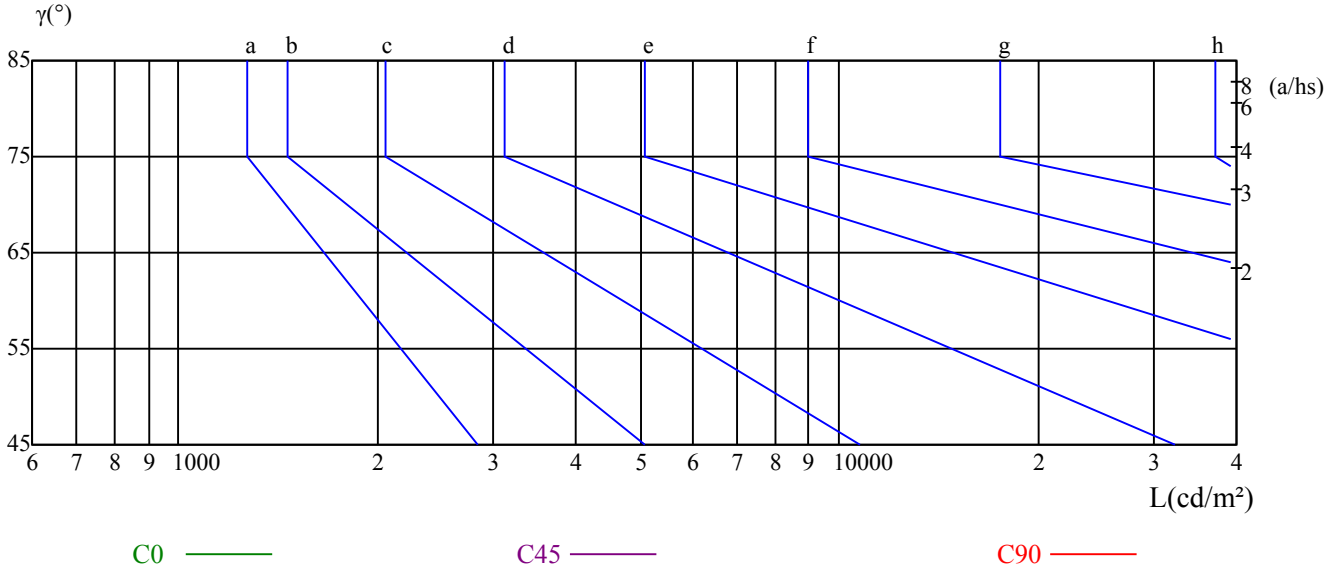
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

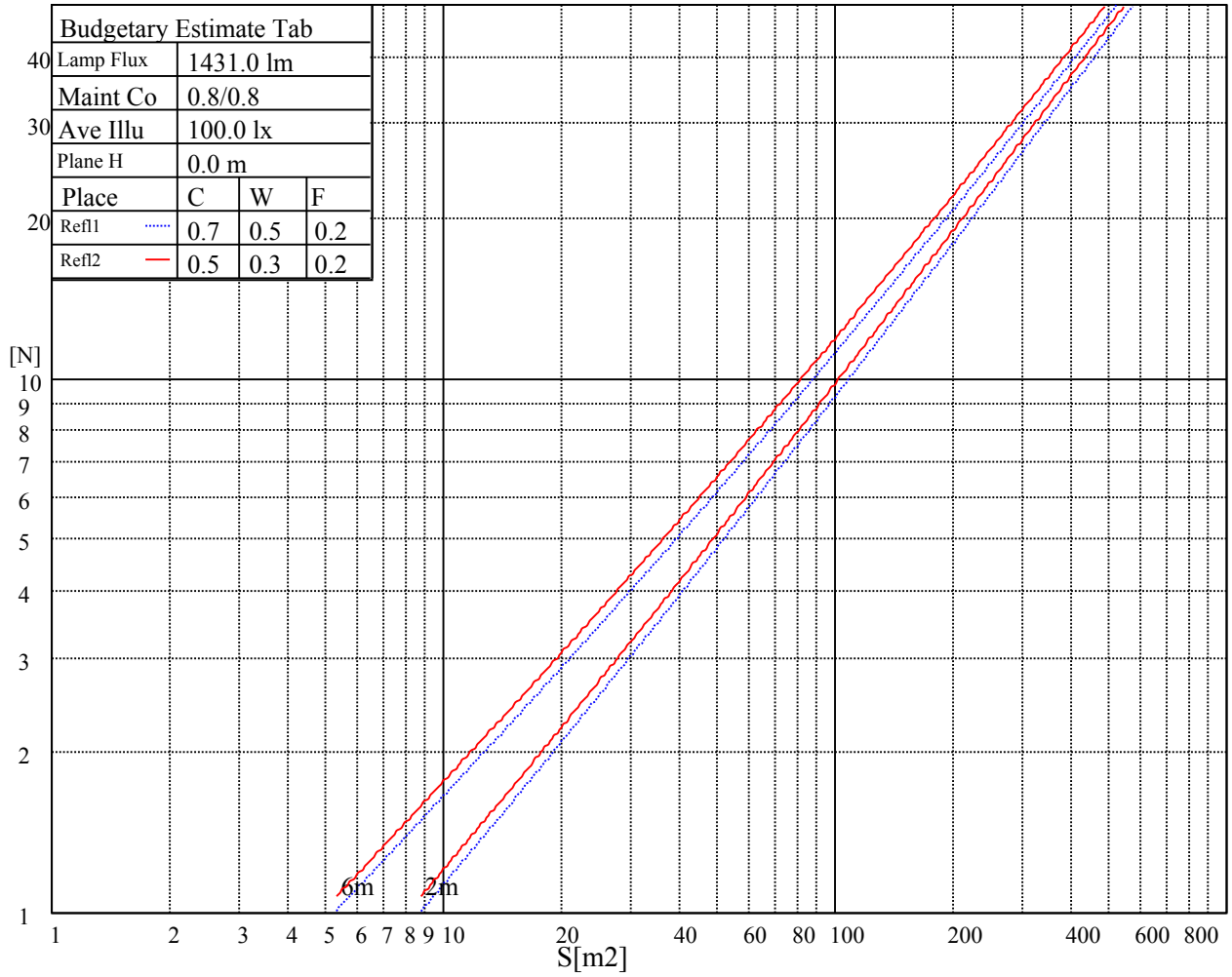
Luminance Limitting Curve



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

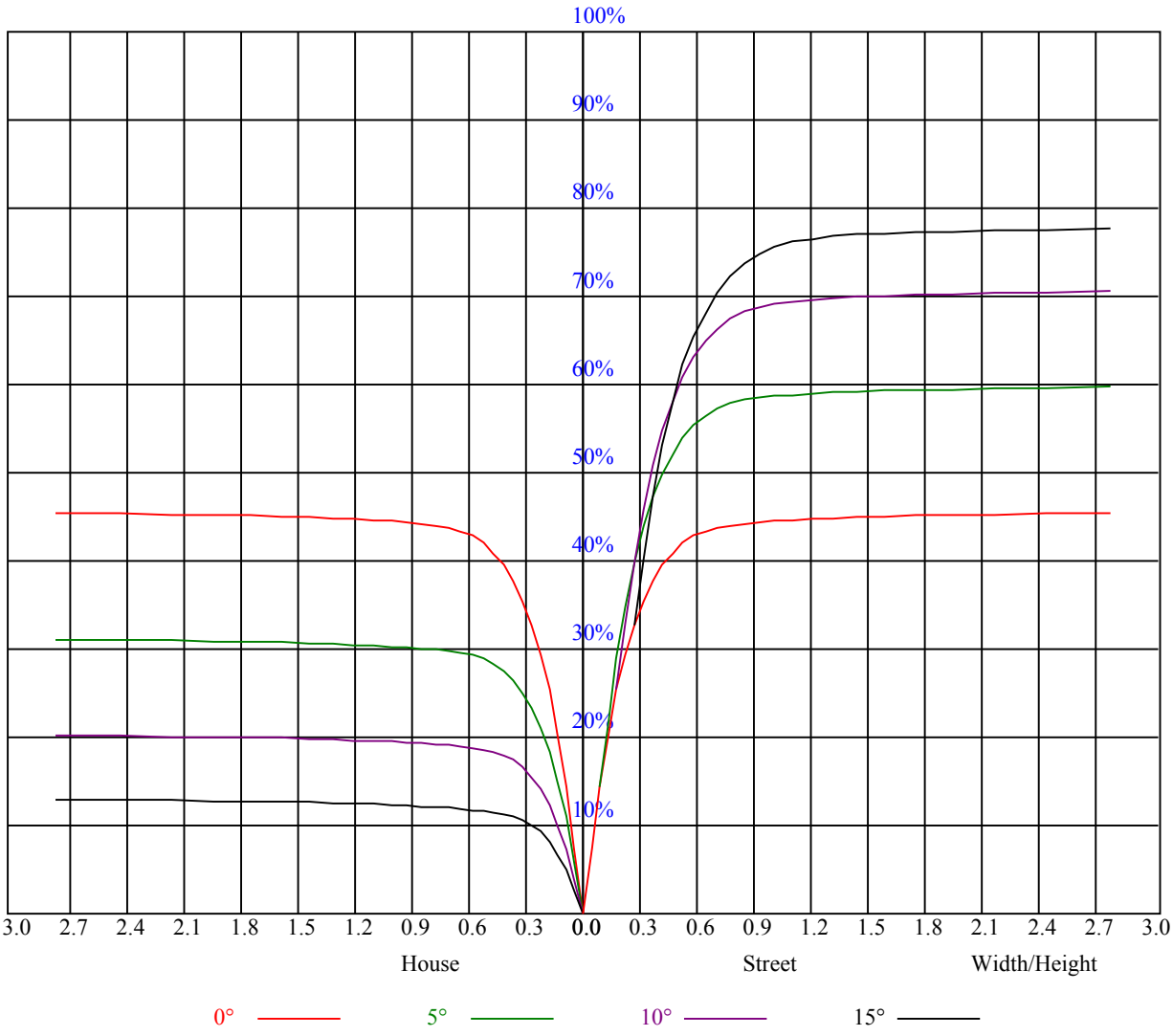


Equipment: GMS1980 Date: 2024/8/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

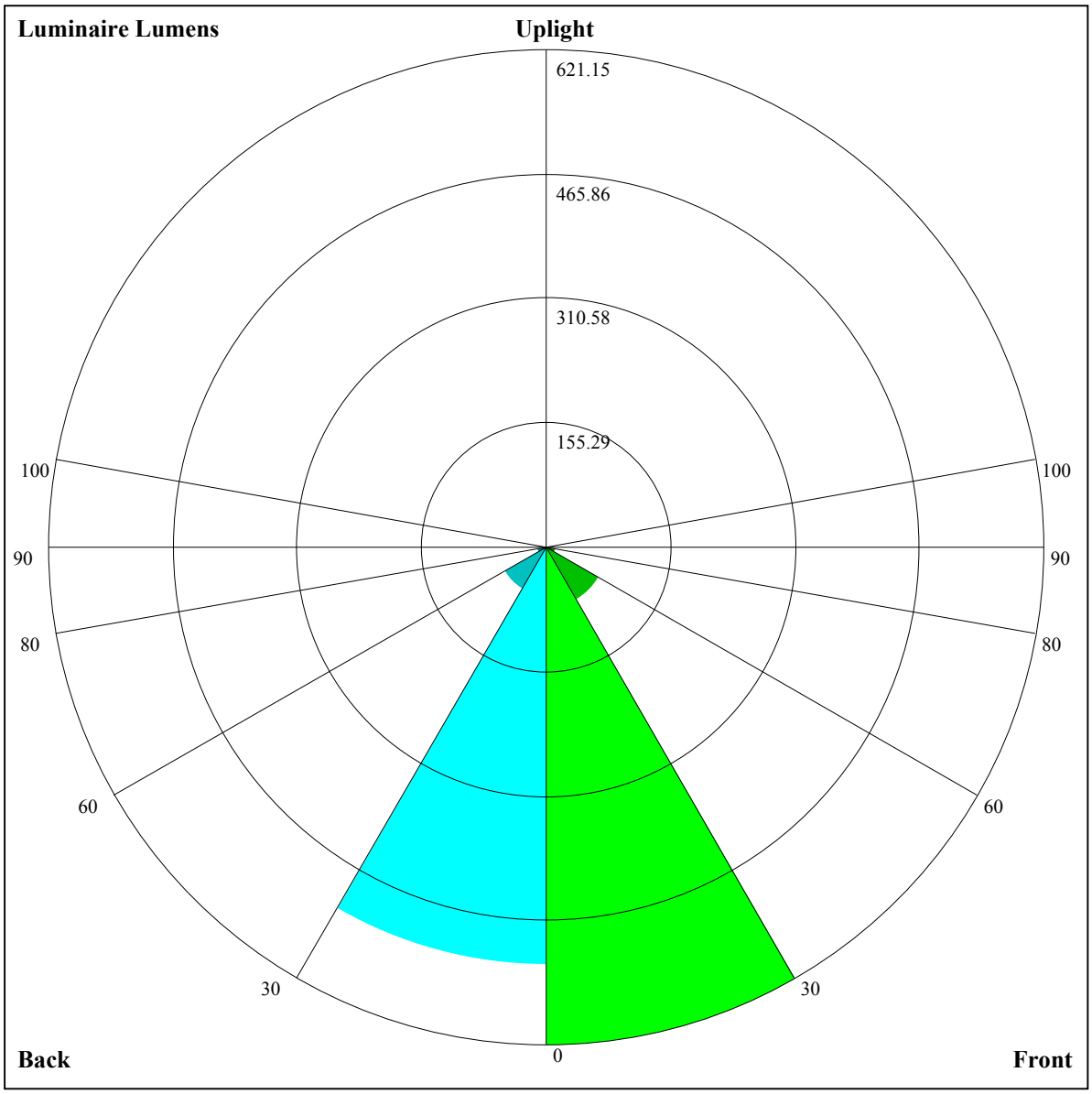
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.97	0.97	0.97	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.97	0.93	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.74	0.73
6	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.71	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=621.15,FM=76.79,FH=11.81,FVH=3.8
BL=521.68,BM=59.86,BH=11.67,BVH=3.7
UL=0,UH=0

BUG Rating:B2-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	6208.71	6455.68	6553.99	6491.37	6308.20	6003.88	5500.00	5020.70	4508.63
45.0	5999.20	6136.73	6156.04	6070.01	5883.33	5606.51	5244.84	4718.14	4275.13
90.0	6016.17	5805.49	5430.36	5087.42	4680.69	4255.81	3760.13	3383.24	3033.86
135.0	6265.48	5975.21	5634.60	5129.56	4678.35	4225.38	3802.85	3322.97	2976.51
180.0	6208.71	5904.39	5543.31	5131.31	4582.37	4154.57	3727.36	3331.16	2888.73
225.0	5999.20	5792.62	5398.76	5027.14	4618.07	4201.39	3670.59	3283.76	2830.21
270.0	6016.17	6136.14	6171.26	6082.89	5833.58	5527.51	5144.77	4721.07	4151.64
315.0	6265.48	6509.52	6576.23	6545.21	6323.41	6014.42	5606.51	4989.69	4461.81
360.0	6208.71	6455.68	6553.99	6491.37	6308.20	6003.88	5500.00	5020.70	4508.63

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3852.01	3374.47	2924.43	2548.71	2188.21	1966.41	1783.24	1622.89	1454.34
45.0	3713.31	3301.31	2925.01	2522.96	2253.76	2020.26	1814.84	1607.09	1463.12
90.0	2719.01	2385.44	2147.83	1939.49	1717.11	1558.51	1307.45	1166.47	1166.47
135.0	2674.54	2411.19	2127.35	1931.30	1717.69	1569.63	1434.44	1284.04	1183.38
180.0	2587.92	2329.25	2048.35	1856.39	1689.02	1509.35	1380.60	1237.81	1140.08
225.0	2524.72	2267.81	2000.36	1813.67	1654.49	1483.60	1282.29	1146.22	1146.22
270.0	3711.56	3291.95	2920.92	2522.96	2250.25	2027.28	1829.47	1623.47	1477.17
315.0	3942.13	3345.20	2928.52	2575.05	2285.36	1999.19	1809.57	1648.64	1503.50
360.0	3852.01	3374.47	2924.43	2548.71	2188.21	1966.41	1783.24	1622.89	1454.34

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1152.89	1152.89	1104.50	1019.81	941.28	846.70	778.88	711.69	649.25
45.0	1338.47	1231.37	1115.50	1034.15	958.07	865.02	793.62	705.25	640.88
90.0	1072.89	964.45	883.16	807.79	740.78	660.72	603.13	551.34	501.60
135.0	1088.58	1004.30	905.99	827.57	752.66	689.45	622.74	571.24	517.98
180.0	1047.61	964.51	882.58	784.85	712.86	659.61	612.20	554.27	501.60
225.0	1033.62	953.57	874.62	800.30	712.57	652.35	603.78	543.44	497.62
270.0	1320.33	1205.62	1106.13	993.19	904.82	838.10	750.32	677.16	613.96
315.0	1157.34	1157.34	1134.17	1022.68	943.62	850.51	777.24	708.12	646.09
360.0	1152.89	1152.89	1104.50	1019.81	941.28	846.70	778.88	711.69	649.25

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	577.27	529.04	485.03	426.86	378.58	328.78	278.86	219.81	175.33
45.0	588.21	541.39	480.53	430.20	379.28	328.37	303.21	303.21	175.10
90.0	434.94	381.22	330.71	270.96	223.97	171.53	135.01	105.05	79.30
135.0	446.59	393.33	341.83	306.13	306.13	188.79	139.75	108.21	84.86
180.0	443.66	389.82	343.59	295.01	295.01	189.73	140.51	105.63	82.40
225.0	446.82	384.79	334.75	285.06	225.43	181.89	144.02	112.42	83.51
270.0	565.39	501.01	451.85	399.77	350.02	299.69	299.69	195.87	159.71
315.0	579.96	533.96	485.09	433.89	368.46	319.47	270.90	224.55	170.30
360.0	577.27	529.04	485.03	426.86	378.58	328.78	278.86	219.81	175.33

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.66	97.97	76.14	60.57	54.78	50.04	45.88	41.08	37.69
45.0	137.35	98.32	77.37	64.02	55.48	50.21	45.53	40.20	36.75
90.0	67.59	60.28	54.31	47.81	43.72	40.09	36.81	33.42	31.13
135.0	67.77	60.04	53.72	47.99	42.14	38.39	35.17	32.25	29.09
180.0	69.99	62.03	53.08	47.46	42.55	38.39	34.24	31.60	29.26
225.0	69.52	61.10	54.43	47.05	41.96	37.86	33.77	30.96	27.92
270.0	121.32	96.50	74.97	65.37	58.76	51.68	46.70	42.37	38.57
315.0	132.73	94.34	74.32	62.62	54.78	49.69	45.06	40.56	36.05
360.0	135.66	97.97	76.14	60.57	54.78	50.04	45.88	41.08	37.69

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	34.76	32.19	29.44	27.62	26.04	24.52	22.94	21.77	20.66
45.0	33.07	30.61	28.27	26.34	24.64	22.65	21.42	20.37	19.31
90.0	29.26	27.21	25.75	24.64	23.41	22.65	22.00	21.42	21.07
135.0	27.04	25.34	23.53	22.30	21.24	20.13	19.43	18.90	18.32
180.0	26.80	25.16	23.47	22.41	21.42	20.31	19.72	19.25	18.73
225.0	26.04	24.46	23.00	21.48	20.60	19.66	19.02	18.38	17.91
270.0	34.70	32.25	30.02	27.86	25.87	24.40	23.12	21.83	21.07
315.0	32.95	30.37	28.03	25.34	23.53	22.00	20.31	19.20	18.08
360.0	34.76	32.19	29.44	27.62	26.04	24.52	22.94	21.77	20.66

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.78	19.02	18.26	17.73	17.32	16.91	16.50	16.27	16.04
45.0	18.49	17.85	17.38	16.74	16.33	15.98	15.86	15.57	15.16
90.0	20.72	20.37	19.96	19.61	19.20	18.61	17.79	16.97	16.15
135.0	17.97	17.73	17.62	17.21	16.85	16.50	15.92	15.10	14.51
180.0	18.20	18.02	17.85	17.50	17.15	16.97	16.50	15.74	15.22
225.0	17.50	17.15	16.85	16.68	16.27	15.98	15.45	14.92	14.28
270.0	20.13	19.37	19.02	18.55	17.97	17.91	17.56	16.85	16.56
315.0	17.32	16.68	16.09	15.57	15.10	14.86	14.75	14.51	14.22
360.0	19.78	19.02	18.26	17.73	17.32	16.91	16.50	16.27	16.04

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.68	15.16	14.63	14.05	13.34	12.76	12.11	11.53	11.00
45.0	14.81	14.40	13.87	13.23	12.76	12.17	11.70	11.18	10.77
90.0	15.22	14.40	13.58	13.05	12.58	12.29	11.53	10.83	10.42
135.0	13.69	13.11	12.76	12.58	12.64	12.87	13.17	12.64	11.41
180.0	14.69	13.93	13.46	13.23	13.11	13.05	13.05	12.11	11.18
225.0	13.64	12.93	12.47	12.06	11.65	11.12	10.71	10.30	9.89
270.0	16.15	15.33	14.46	13.87	13.05	12.35	11.82	11.35	10.65
315.0	13.99	13.64	13.11	12.58	12.06	11.41	11.00	10.48	10.12
360.0	15.68	15.16	14.63	14.05	13.34	12.76	12.11	11.53	11.00

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.42	10.01	9.66	9.42	9.13	8.90	8.72	8.49	8.25
45.0	10.42	10.01	9.71	9.48	9.25	8.95	8.72	8.49	8.25
90.0	10.01	9.54	9.25	8.95	8.78	8.49	8.25	7.96	7.72
135.0	10.24	9.60	9.19	8.90	8.66	8.37	8.19	8.02	7.72
180.0	10.48	10.01	9.66	9.36	9.13	8.90	8.66	8.49	8.25
225.0	9.54	9.25	9.01	8.66	8.43	8.19	7.96	7.78	7.61
270.0	10.36	9.95	9.54	9.19	8.90	8.72	8.43	8.19	8.02
315.0	9.77	9.42	9.19	8.95	8.72	8.43	8.19	8.02	7.84
360.0	10.42	10.01	9.66	9.42	9.13	8.90	8.72	8.49	8.25

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.02	7.90	7.61	7.43	7.26	6.96	6.79	6.61	6.44
45.0	8.02	7.78	7.61	7.37	7.20	6.96	6.55	6.38	6.20
90.0	7.61	7.37	7.20	7.02	6.79	6.26	6.09	5.91	5.79
135.0	7.55	7.37	7.20	7.08	6.91	6.61	5.91	5.79	5.74
180.0	8.08	7.96	7.78	7.61	7.37	6.85	5.97	5.91	5.91
225.0	7.37	7.20	7.02	6.85	6.61	6.20	6.03	5.85	5.85
270.0	7.72	7.55	7.37	7.08	6.91	6.50	6.38	6.14	6.03
315.0	7.61	7.43	7.20	6.96	6.79	6.55	6.32	6.20	6.03
360.0	8.02	7.90	7.61	7.43	7.26	6.96	6.79	6.61	6.44

Intensity data(cd)

C/γ(°)	90.0
0.0	6.38
45.0	6.09
90.0	5.79
135.0	5.74
180.0	5.85
225.0	5.79
270.0	5.91
315.0	5.97
360.0	6.38