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

NT

Client:
LumCAT: 2-2751-L
Luminaire: 92.70.412.00
Report No: 2024806-B010
Ballast type: AC

Test No: 2024806-C010	Voltage(V): 34.940
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2571.0	Power (W): 15.723
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2448.73, Efficiency(%): 95.24% , Luminous Efficacy(lm/W): 155.74
Central intensity(cd): 13105.240, Maximum intensity(cd): 13105.240
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.0
[C90/270]Total=17.0
Field angle(10%Imax): [C0/180]Total=44.8
[C90/270]Total=44.8
Maximum s/h(1/2): C0_180=0.29 C90_270=0.29
Maximum s/h(1/4): C0_180=0.32 C90_270=0.32
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.24%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.953%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13105.236	0.000	0	0.00%	0.00%
1.0	12844.672	12.417	12.417	0.48%	0.51%
2.0	12423.178	36.267	48.683	1.41%	1.99%
3.0	12063.345	58.564	107.247	2.28%	4.38%
4.0	11426.547	78.628	185.875	3.06%	7.59%
5.0	10483.018	94.254	280.129	3.67%	11.44%
6.0	9401.376	104.498	384.627	4.06%	15.71%
7.0	8179.865	109.126	493.753	4.24%	20.16%
8.0	7076.643	109.188	602.941	4.25%	24.62%
9.0	6070.495	106.550	709.492	4.14%	28.97%
10.0	5211.165	102.095	811.587	3.97%	33.14%
11.0	4538.449	97.419	909.005	3.79%	37.12%
12.0	3978.316	93.100	1002.106	3.62%	40.92%
13.0	3492.798	88.663	1090.769	3.45%	44.54%
14.0	3116.206	84.595	1175.364	3.29%	48.00%
15.0	2823.740	81.546	1256.91	3.17%	51.33%
16.0	2642.905	80.102	1337.012	3.12%	54.60%
17.0	2340.944	77.612	1414.624	3.02%	57.77%
18.0	2020.036	71.903	1486.527	2.80%	60.71%
19.0	1829.252	66.970	1553.496	2.60%	63.44%
20.0	1666.121	63.975	1617.471	2.49%	66.05%
21.0	1503.648	60.866	1678.337	2.37%	68.54%
22.0	1346.793	57.281	1735.618	2.23%	70.88%
23.0	1254.079	54.573	1790.192	2.12%	73.11%
24.0	1187.005	53.371	1843.562	2.08%	75.29%
25.0	1098.936	51.977	1895.54	2.02%	77.41%
26.0	1026.119	50.162	1945.702	1.95%	79.46%
27.0	960.040	48.592	1994.294	1.89%	81.44%
28.0	889.454	46.825	2041.119	1.82%	83.35%
29.0	817.164	44.650	2085.769	1.74%	85.18%
30.0	727.281	41.700	2127.469	1.62%	86.88%
31.0	642.621	38.122	2165.591	1.48%	88.44%
32.0	554.954	34.309	2199.9	1.33%	89.84%
33.0	470.133	30.199	2230.1	1.17%	91.07%
34.0	377.002	25.637	2255.736	1.00%	92.12%
35.0	299.599	21.013	2276.749	0.82%	92.98%
36.0	244.353	17.320	2294.069	0.67%	93.68%
37.0	207.411	14.734	2308.803	0.57%	94.29%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	125.523	11.113	2319.916	0.43%	94.74%
39.0	87.169	7.260	2327.175	0.28%	95.04%
40.0	68.201	5.419	2332.594	0.21%	95.26%
41.0	59.591	4.551	2337.145	0.18%	95.44%
42.0	54.916	4.160	2341.305	0.16%	95.61%
43.0	51.295	3.934	2345.239	0.15%	95.77%
44.0	47.747	3.738	2348.977	0.15%	95.93%
45.0	45.114	3.569	2352.546	0.14%	96.07%
46.0	42.765	3.437	2355.983	0.13%	96.21%
47.0	40.615	3.316	2359.299	0.13%	96.35%
48.0	38.852	3.212	2362.512	0.12%	96.48%
49.0	37.264	3.126	2365.637	0.12%	96.61%
50.0	35.787	3.046	2368.683	0.12%	96.73%
51.0	34.675	2.981	2371.664	0.12%	96.85%
52.0	33.885	2.942	2374.606	0.11%	96.97%
53.0	33.358	2.925	2377.531	0.11%	97.09%
54.0	32.999	2.925	2380.456	0.11%	97.21%
55.0	32.926	2.943	2383.399	0.11%	97.33%
56.0	32.999	2.979	2386.378	0.12%	97.45%
57.0	33.175	3.026	2389.403	0.12%	97.58%
58.0	33.073	3.064	2392.467	0.12%	97.70%
59.0	32.816	3.080	2395.547	0.12%	97.83%
60.0	32.129	3.068	2398.615	0.12%	97.95%
61.0	30.936	3.010	2401.625	0.12%	98.08%
62.0	29.364	2.906	2404.531	0.11%	98.20%
63.0	27.001	2.741	2407.272	0.11%	98.31%
64.0	24.748	2.539	2409.811	0.10%	98.41%
65.0	22.326	2.330	2412.141	0.09%	98.51%
66.0	20.176	2.121	2414.261	0.08%	98.59%
67.0	18.237	1.931	2416.193	0.08%	98.67%
68.0	17.001	1.785	2417.978	0.07%	98.74%
69.0	16.233	1.695	2419.673	0.07%	98.81%
70.0	15.655	1.638	2421.311	0.06%	98.88%
71.0	15.179	1.594	2422.905	0.06%	98.95%
72.0	14.843	1.561	2424.466	0.06%	99.01%
73.0	14.514	1.535	2426.001	0.06%	99.07%
74.0	14.228	1.511	2427.512	0.06%	99.13%
75.0	13.980	1.490	2429.002	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.753	1.472	2430.474	0.06%	99.25%
77.0	13.533	1.455	2431.929	0.06%	99.31%
78.0	13.292	1.436	2433.365	0.06%	99.37%
79.0	13.065	1.416	2434.781	0.06%	99.43%
80.0	12.794	1.394	2436.175	0.05%	99.49%
81.0	12.531	1.370	2437.545	0.05%	99.54%
82.0	12.246	1.344	2438.889	0.05%	99.60%
83.0	11.961	1.316	2440.205	0.05%	99.65%
84.0	11.675	1.288	2441.492	0.05%	99.70%
85.0	11.434	1.261	2442.753	0.05%	99.76%
86.0	11.149	1.234	2443.988	0.05%	99.81%
87.0	10.944	1.209	2445.197	0.05%	99.86%
88.0	10.790	1.191	2446.387	0.05%	99.90%
89.0	10.673	1.176	2447.564	0.05%	99.95%
90.0	10.571	1.165	2448.729	0.05%	100.00%

Zonal flux distribution table

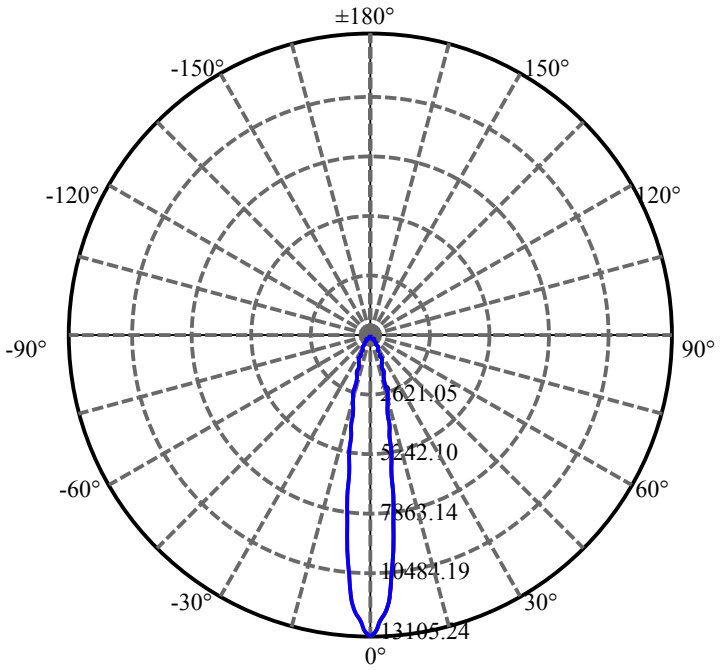
ZONAL LUMEN SUMMARY

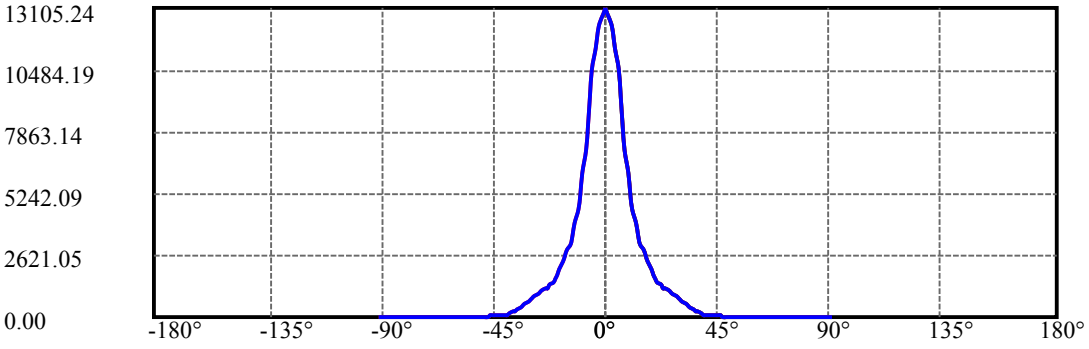
Zone	Lumens	%Lamp	%Fixt
0-30	2127.47	82.75%	86.88%
0-40	2332.59	90.73%	95.26%
0-60	2398.62	93.30%	97.95%
0-90	2447.56	95.20%	99.95%
0-120	2447.56	95.20%	99.95%
0-180	2448.73	95.24%	100.00%
60-90	48.95	1.90%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.27	1958.98	76.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	811.59
10-20	805.88
20-30	510.00
30-40	205.13
40-50	36.09
50-60	29.93
60-70	22.70
70-80	14.86
80-90	11.39
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:

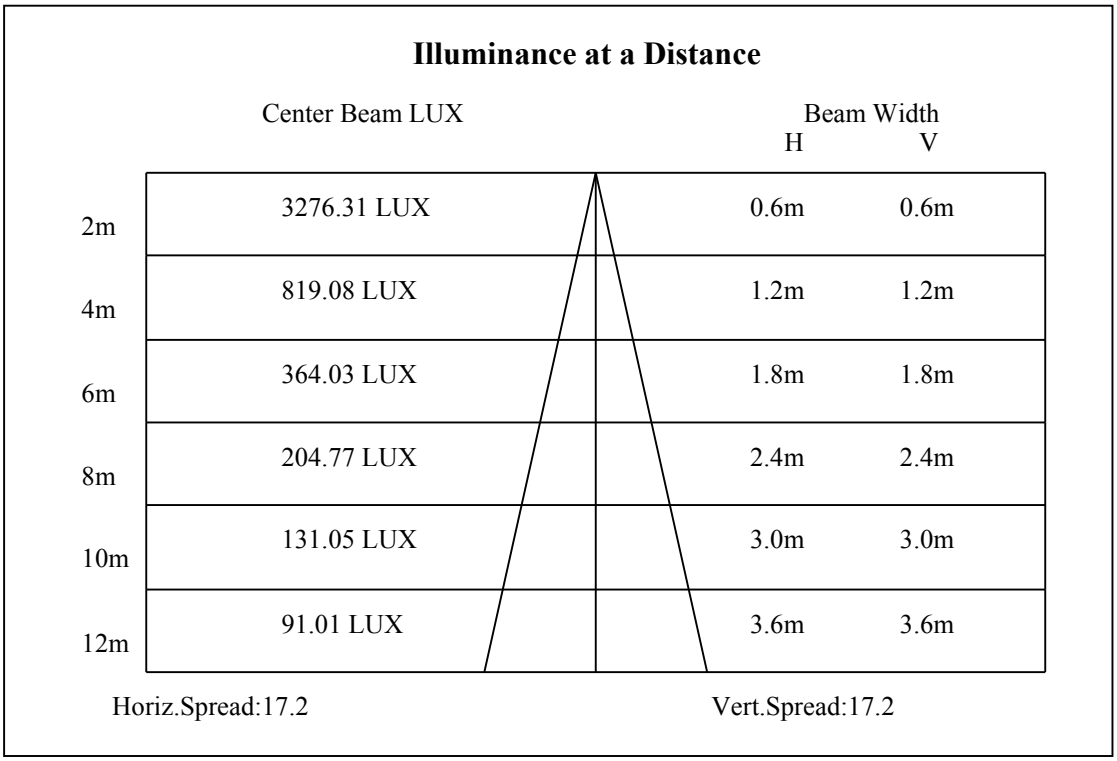
C90/C270:

Field angle(10%Imax):C0/180Left:22.4 Right:22.4
:C90/270Left:22.4 Right:22.4

Beam Angle(50%Imax):C0/180Left:8.5 Right:8.5
:C90/270Left:8.5 Right:8.5

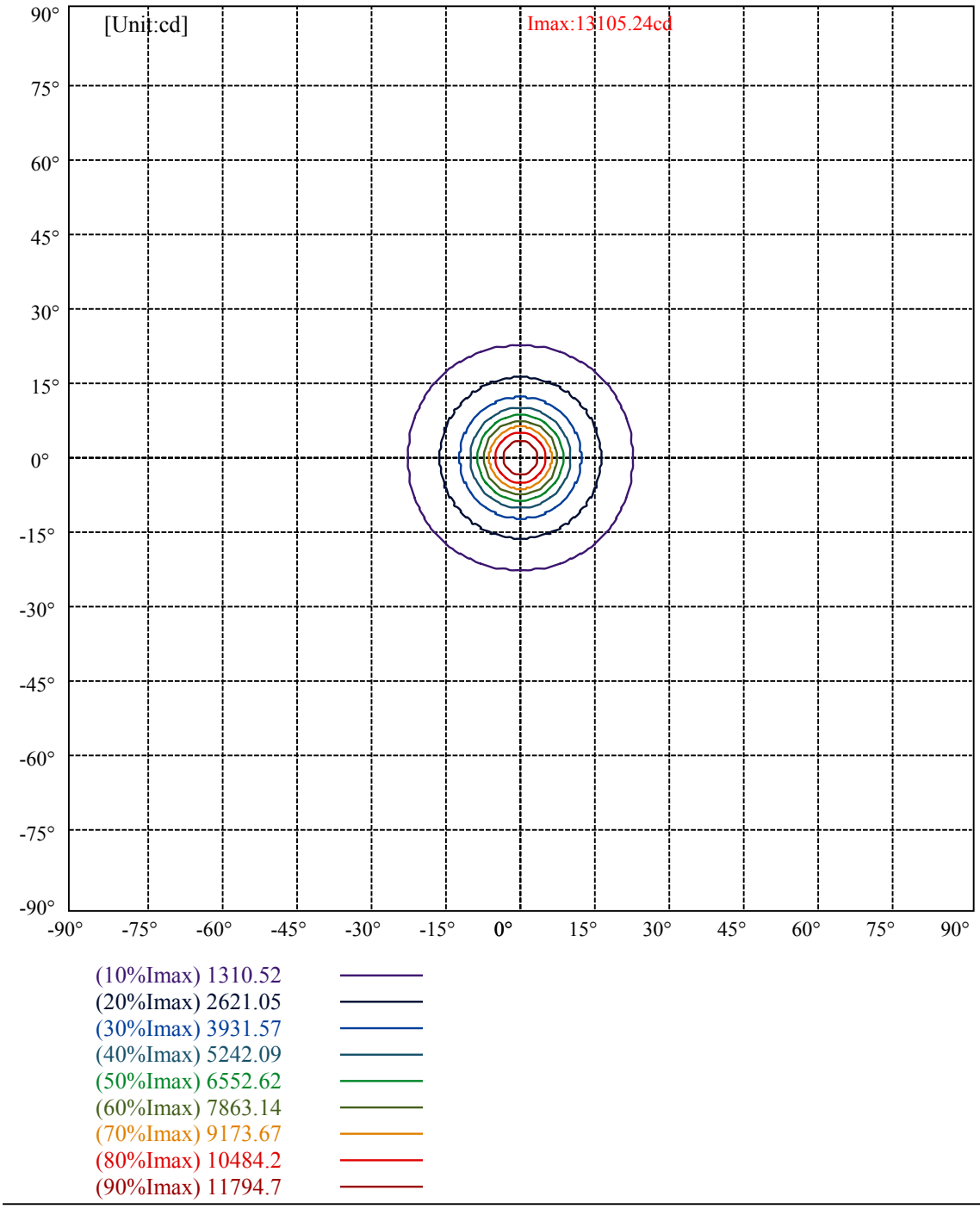
Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



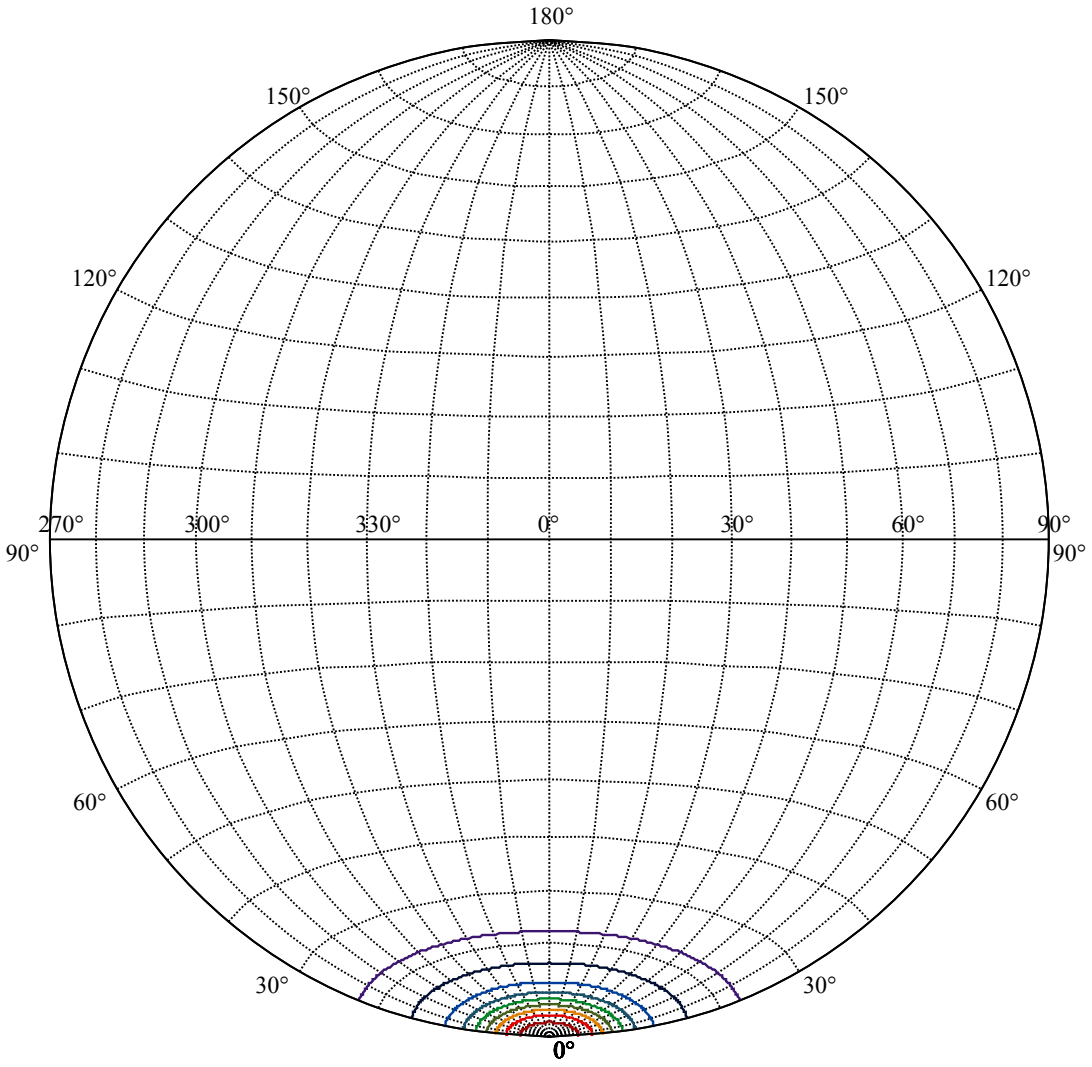
(10%Imax) 1310.52
(20%Imax) 2621.05
(30%Imax) 3931.57
(40%Imax) 5242.09
(50%Imax) 6552.62
(60%Imax) 7863.14
(70%Imax) 9173.67
(80%Imax) 10484.2
(90%Imax) 11794.7

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



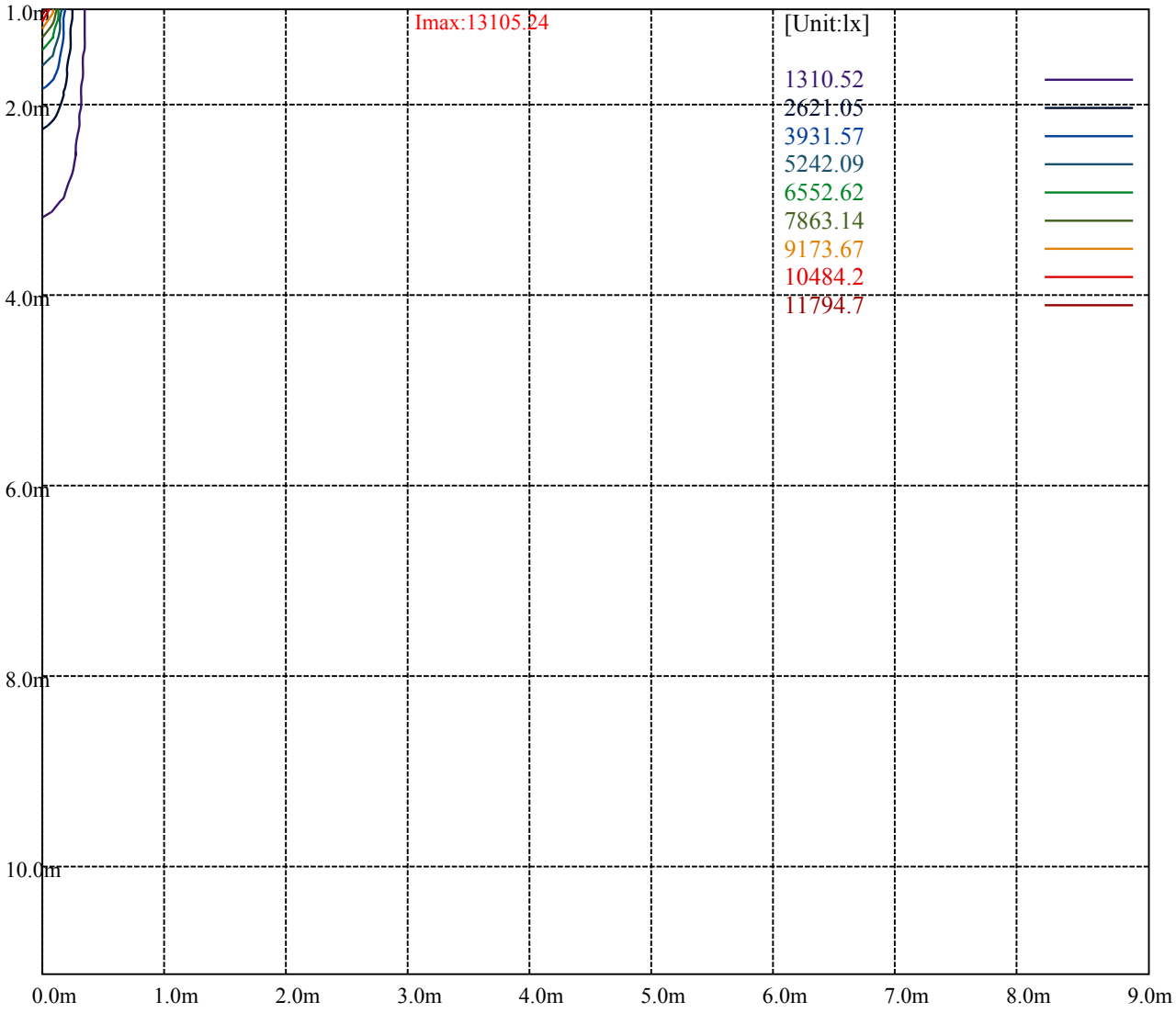
House [Unit:cd] Road

Imax:13105.24

(10%Imax) 1310.52
(20%Imax) 2621.05
(30%Imax) 3931.57
(40%Imax) 5242.09
(50%Imax) 6552.62
(60%Imax) 7863.14
(70%Imax) 9173.67
(80%Imax) 10484.2
(90%Imax) 11794.7

Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2751-L

Luminance Limitting Curve(no luminous side)

Luminance Table

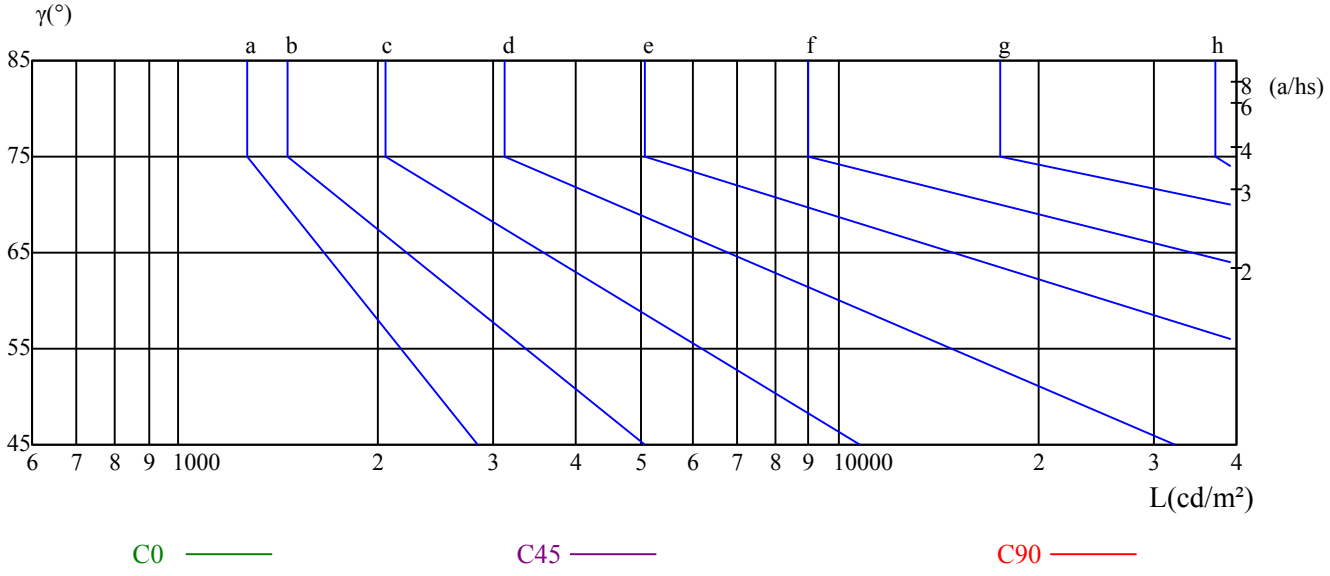
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

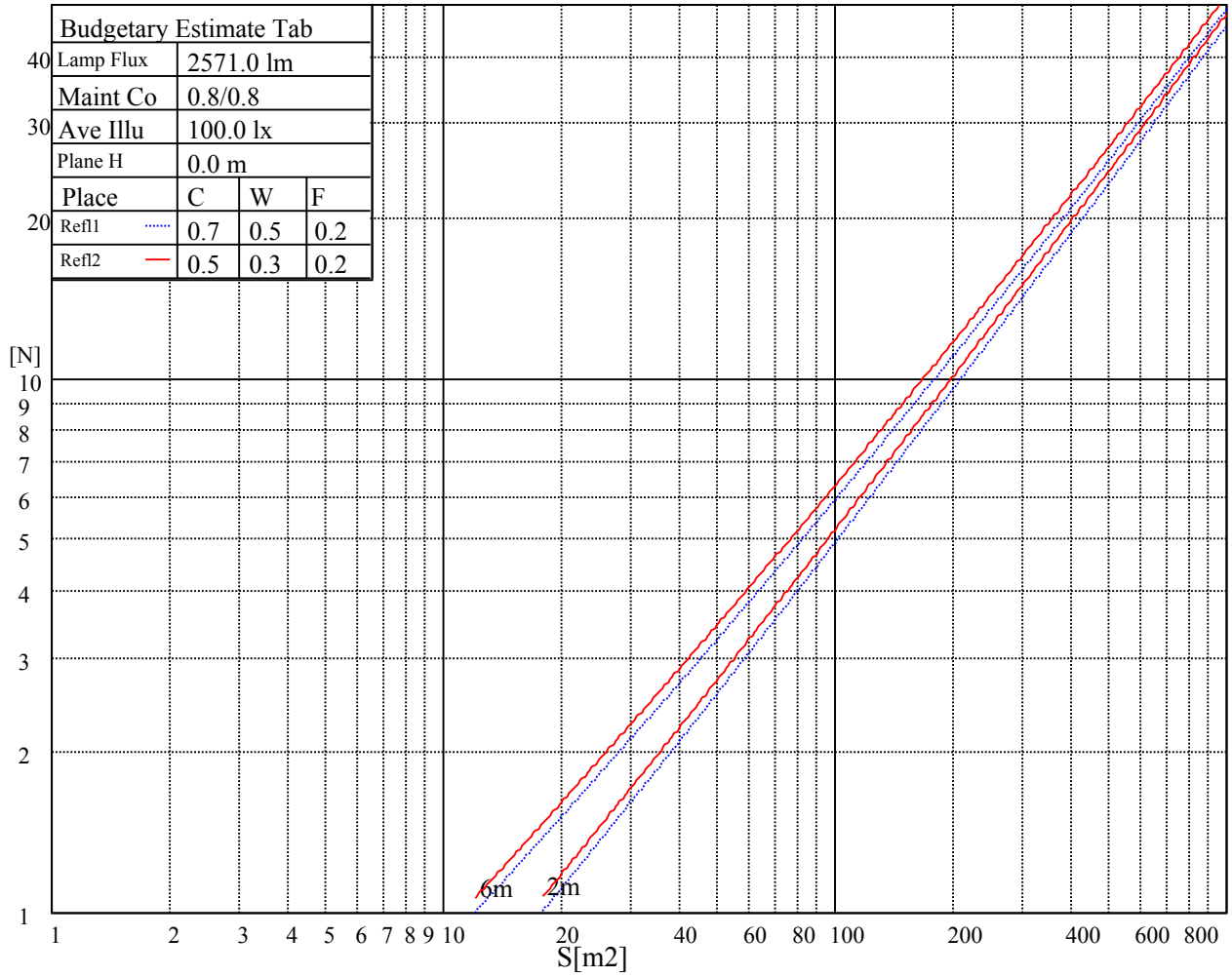
Date: 2024/8/6
Humidity(%): 60.0%

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

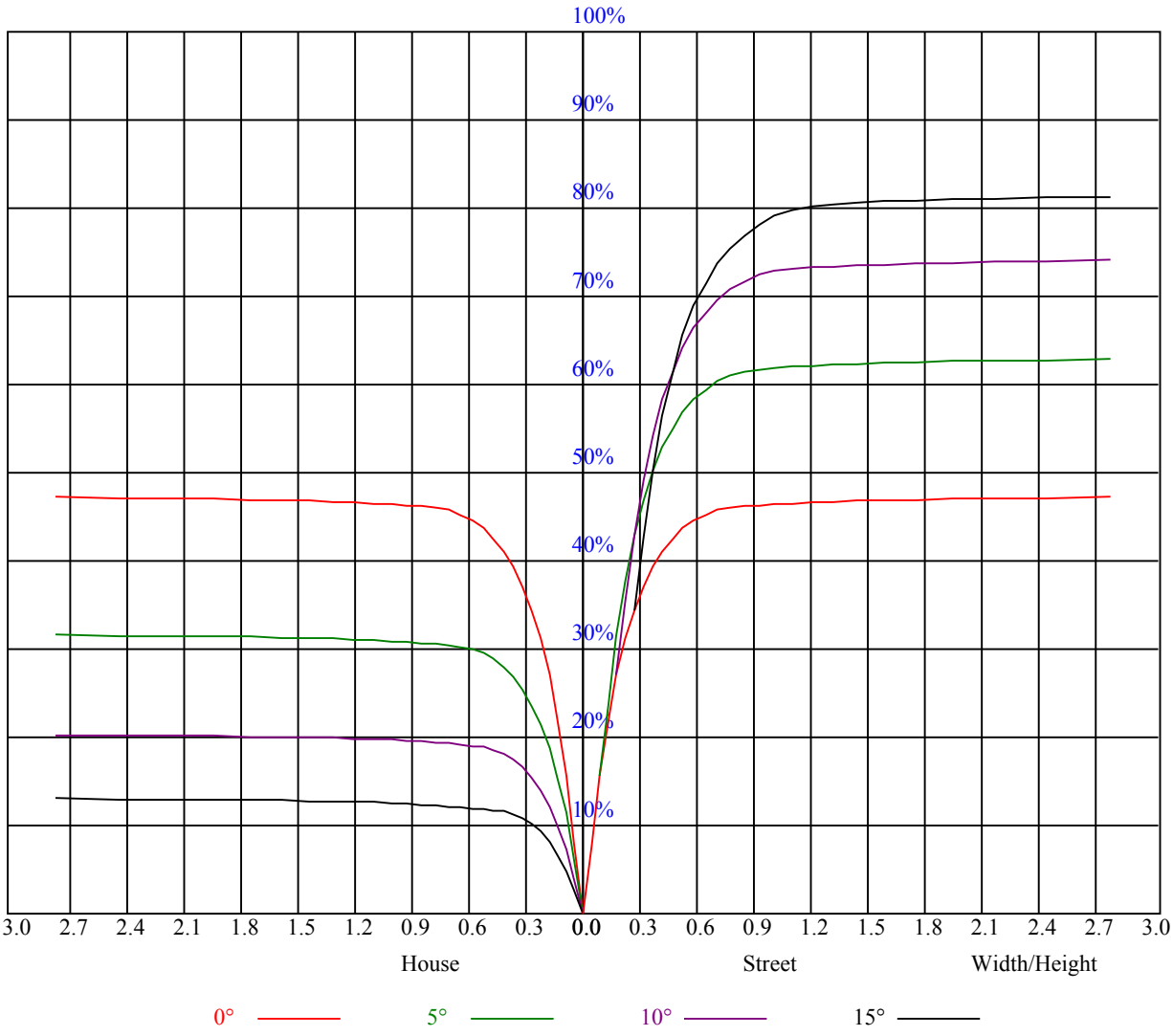


Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

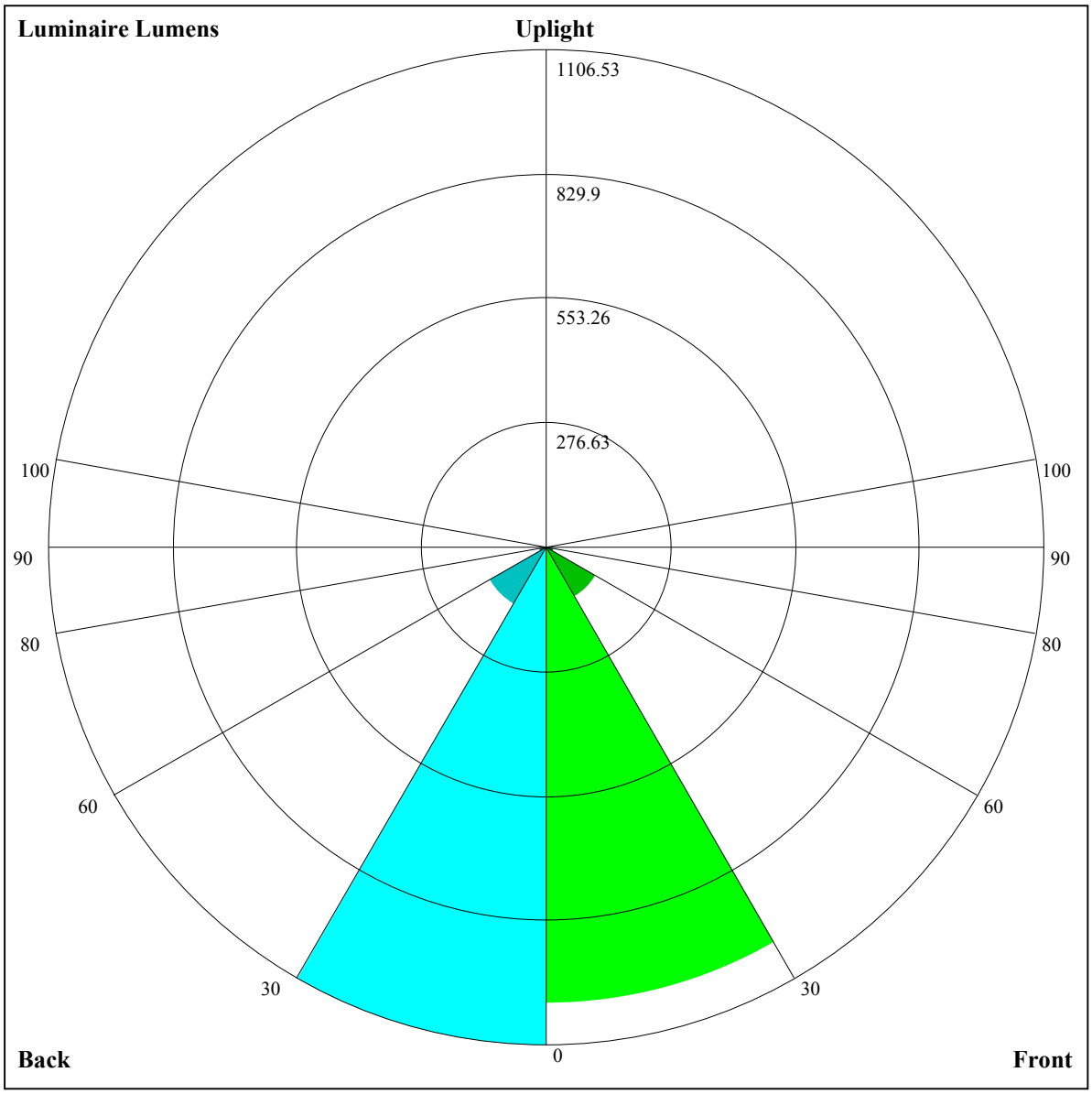
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.04	1.03	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
2	1.01	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.96	0.92	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.88	0.86	0.84	0.83
4	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.81	0.85	0.82	0.80	0.79
5	0.87	0.83	0.80	0.87	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
6	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.77	0.74	0.73
7	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
9	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.73	0.69	0.67	0.66
10	0.73	0.69	0.66	0.72	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1014.56,FM=127.54,FH=18.31,FVH=6.2
BL=1106.53,BM=144.68,BH=19.19,BVH=6.33
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	12989.65	11595.71	11595.71	11380.34	10221.01	9153.56	8058.61	7019.83	5867.52
45.0	13159.37	13112.55	12860.90	12404.43	11561.71	10707.28	9683.13	8337.12	7283.71
90.0	13176.93	12931.13	11622.04	11622.04	11221.16	9989.26	8942.88	7868.99	6609.59
135.0	13094.99	13217.89	13147.66	12860.90	12269.83	11555.85	10689.72	9367.11	8272.74
180.0	12989.65	13171.07	13118.40	12901.87	12334.20	11702.16	10853.58	9548.53	8436.60
225.0	13159.37	13042.32	12498.07	11527.24	11527.24	10370.83	9265.93	7813.98	6745.95
270.0	13176.93	13153.52	12966.25	12445.39	11848.47	11029.15	9776.77	8635.58	7506.10
315.0	13094.99	12533.18	11576.39	11364.54	10428.77	9356.05	7940.39	6847.78	5890.93
360.0	12989.65	11595.71	11595.71	11380.34	10221.01	9153.56	8058.61	7019.83	5867.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5103.81	4477.61	3963.20	3441.77	3096.48	2720.77	2466.20	2229.18	1980.46
45.0	6335.65	5334.91	4679.46	4129.35	3585.09	3222.25	2976.45	2976.45	2318.13
90.0	5723.56	4983.25	4380.47	3770.08	3372.12	3034.45	2664.59	2402.41	2121.50
135.0	7219.34	6253.71	5235.42	4568.27	4035.71	3596.79	3216.40	2970.60	2970.60
180.0	7067.18	6107.41	5276.39	4597.53	3942.08	3514.86	3157.87	2999.86	2999.86
225.0	5800.81	4855.09	4285.08	3805.78	3302.48	2970.08	2671.61	2408.84	2125.60
270.0	6230.31	5375.88	4673.61	4111.79	3555.83	3187.14	3017.42	3017.42	2272.49
315.0	5083.32	4301.46	3813.97	3401.97	3052.59	2683.32	2419.38	2138.47	1938.91
360.0	5103.81	4477.61	3963.20	3441.77	3096.48	2720.77	2466.20	2229.18	1980.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1813.09	1664.44	1533.35	1391.72	1152.48	1152.48	1113.86	1027.42	970.83
45.0	2103.94	1918.43	1755.15	1576.07	1458.44	1349.59	1252.44	1147.68	1072.19
90.0	1926.62	1758.07	1613.52	1454.93	1267.07	1148.09	1148.09	1054.40	989.79
135.0	2304.67	2044.25	1866.93	1672.63	1543.30	1423.91	1294.58	1198.60	1115.50
180.0	2266.05	2054.78	1829.47	1674.97	1536.27	1383.53	1276.43	1185.14	1089.16
225.0	1929.55	1754.56	1610.01	1454.93	1278.78	1159.51	1159.51	1066.10	1002.72
270.0	2048.93	1854.64	1661.51	1521.64	1370.66	1267.66	1178.70	1102.04	1014.84
315.0	1767.44	1584.85	1459.02	1282.29	1167.35	1147.86	1072.42	1010.10	953.92
360.0	1813.09	1664.44	1533.35	1391.72	1152.48	1152.48	1113.86	1027.42	970.83

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	908.09	814.87	733.29	647.73	542.85	458.17	377.82	286.06	218.29
45.0	1008.40	931.15	858.00	758.51	675.41	591.72	507.45	407.96	331.88
90.0	927.82	863.91	772.61	689.98	608.93	505.46	422.94	327.61	259.43
135.0	1046.44	965.68	902.48	834.00	756.75	653.75	571.82	486.38	385.14
180.0	1022.45	962.17	903.65	814.11	733.93	653.17	570.65	467.65	388.06
225.0	931.03	869.00	794.62	693.78	612.44	529.98	446.76	352.07	282.90
270.0	953.98	895.45	836.93	746.22	663.70	585.28	504.52	402.69	327.78
315.0	882.11	813.40	735.74	633.92	546.95	462.09	359.09	285.59	203.31
360.0	908.09	814.87	733.29	647.73	542.85	458.17	377.82	286.06	218.29

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	160.41	113.59	77.54	64.49	59.99	55.77	50.86	48.11	44.89
45.0	296.77	296.77	127.99	89.07	68.76	60.40	56.18	52.73	49.10
90.0	195.93	142.44	94.75	73.68	63.97	59.40	54.78	52.03	49.10
135.0	306.72	306.72	159.06	113.65	82.93	64.78	60.45	56.30	53.08
180.0	315.49	297.35	217.53	119.44	79.53	64.55	59.81	54.95	51.21
225.0	219.23	163.92	117.22	78.42	63.67	57.59	53.31	49.45	45.71
270.0	310.23	229.53	130.15	93.46	68.24	59.93	54.60	50.39	45.59
315.0	150.05	108.97	79.94	65.14	58.52	54.31	49.33	46.41	43.31
360.0	160.41	113.59	77.54	64.49	59.99	55.77	50.86	48.11	44.89

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	42.72	40.85	38.57	37.04	35.93	34.70	34.00	33.65	33.24
45.0	46.47	43.66	41.61	39.97	38.39	36.58	35.46	34.76	34.24
90.0	46.23	44.07	42.25	39.91	38.33	36.87	35.58	34.70	34.35
135.0	49.57	46.88	44.48	42.49	40.38	38.62	37.10	35.52	34.70
180.0	48.34	45.59	42.72	40.61	39.03	37.40	35.52	34.53	33.65
225.0	43.19	41.08	38.92	37.51	35.93	34.41	33.53	32.95	32.42
270.0	43.19	40.61	38.92	37.40	35.93	34.41	33.53	32.89	32.42
315.0	41.20	39.39	37.45	35.87	34.18	33.30	32.66	32.07	31.84
360.0	42.72	40.85	38.57	37.04	35.93	34.70	34.00	33.65	33.24

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.12	33.53	33.53	33.65	33.36	32.60	31.49	29.67	27.45
45.0	33.71	33.47	33.77	33.83	33.47	33.53	32.95	31.49	30.26
90.0	33.59	33.53	33.71	33.59	33.24	32.71	31.66	30.14	28.44
135.0	34.29	33.71	33.36	33.77	33.83	33.65	33.77	33.07	31.60
180.0	33.12	32.77	32.48	32.83	33.12	33.01	33.12	32.71	31.54
225.0	32.13	32.19	32.36	32.48	32.42	32.36	31.49	30.14	28.73
270.0	32.25	32.13	32.30	32.71	32.54	32.66	32.30	31.31	29.85
315.0	31.78	32.07	32.48	32.54	32.60	32.01	30.26	28.97	27.04
360.0	33.12	33.53	33.53	33.65	33.36	32.60	31.49	29.67	27.45

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.64	22.18	19.78	18.32	17.09	16.39	15.92	15.51	15.10
45.0	27.45	24.81	22.77	20.48	18.02	17.15	16.33	15.74	15.27
90.0	26.16	23.29	21.24	18.84	17.38	16.56	15.80	15.39	14.92
135.0	30.14	28.56	25.63	23.17	20.72	18.38	17.21	16.27	15.63
180.0	29.85	28.21	25.57	23.41	20.54	18.61	17.62	16.80	16.15
225.0	26.04	23.70	21.48	19.25	17.73	16.62	15.92	15.45	14.98
270.0	27.97	25.63	23.00	20.66	18.02	16.80	15.98	15.33	14.92
315.0	23.76	21.59	19.14	17.26	16.39	15.51	15.10	14.75	14.46
360.0	24.64	22.18	19.78	18.32	17.09	16.39	15.92	15.51	15.10

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.81	14.51	14.28	13.99	13.81	13.52	13.28	13.05	12.76
45.0	14.92	14.57	14.22	13.99	13.75	13.52	13.28	12.99	12.76
90.0	14.63	14.34	14.05	13.81	13.58	13.40	13.11	12.87	12.64
135.0	15.22	14.81	14.46	14.22	13.99	13.75	13.52	13.34	13.11
180.0	15.74	15.33	15.04	14.75	14.46	14.28	14.05	13.87	13.58
225.0	14.69	14.40	14.10	13.81	13.58	13.34	13.11	12.87	12.58
270.0	14.57	14.28	14.05	13.81	13.58	13.40	13.17	12.93	12.64
315.0	14.16	13.87	13.64	13.46	13.28	13.05	12.82	12.58	12.29
360.0	14.81	14.51	14.28	13.99	13.81	13.52	13.28	13.05	12.76

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.47	12.23	11.94	11.70	11.47	11.18	10.94	10.83	10.65
45.0	12.52	12.17	11.94	11.65	11.35	11.06	10.89	10.65	10.59
90.0	12.23	12.00	11.70	11.41	11.18	10.89	10.65	10.53	10.48
135.0	12.82	12.52	12.17	11.88	11.59	11.29	11.12	10.89	10.71
180.0	13.40	13.11	12.76	12.52	12.29	11.88	11.65	11.53	11.35
225.0	12.35	12.06	11.82	11.47	11.29	11.00	10.83	10.71	10.53
270.0	12.41	12.11	11.82	11.53	11.29	11.06	10.83	10.65	10.53
315.0	12.06	11.76	11.53	11.24	11.00	10.83	10.65	10.53	10.53
360.0	12.47	12.23	11.94	11.70	11.47	11.18	10.94	10.83	10.65

Intensity data(cd)

C/γ(°)	90.0
0.0	10.65
45.0	10.53
90.0	10.42
135.0	10.59
180.0	10.89
225.0	10.48
270.0	10.48
315.0	10.53
360.0	10.65