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

NT

Client: NT
LumCAT: 61-0206
Luminaire: 92.70.427.00
Report No: 2024817-B001
Ballast type: DC

Test No: 2024817-C001	Voltage(V): 30.670
LampCAT: CITIZEN CLU701 LES6.0	Current(A): 0.280
Lamp flux(lm): 969.6	Power (W): 8.588
Number of Lamps: 1	PF: 0.000
Length(mm): 45	Width(mm): 45
Phm Type: C	Height(mm): 21

Photometric Results

Lumens(lm): 935.43, Efficiency(%): 96.48% , Luminous Efficacy(lm/W): 108.92
Central intensity(cd): 11155.330, Maximum intensity(cd): 11155.330
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=14.6
[C90/270]Total=14.6
Field angle(10%Imax): [C0/180]Total=25.8
[C90/270]Total=25.8
Maximum s/h(1/2): C0_180=0.25 C90_270=0.25
Maximum s/h(1/4): C0_180=0.24 C90_270=0.24
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.48%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.389%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11155.325	0.000	0	0.00%	0.00%
1.0	10996.875	10.599	10.599	1.09%	1.13%
2.0	10553.275	30.931	41.53	3.19%	4.44%
3.0	9938.423	49.009	90.54	5.05%	9.68%
4.0	9054.440	63.575	154.115	6.56%	16.48%
5.0	8108.205	73.833	227.948	7.62%	24.37%
6.0	6997.886	79.387	307.334	8.19%	32.85%
7.0	5944.555	80.334	387.668	8.29%	41.44%
8.0	4815.144	77.005	464.673	7.94%	49.67%
9.0	3810.458	69.906	534.579	7.21%	57.15%
10.0	2678.004	58.718	593.297	6.06%	63.43%
11.0	1972.223	46.465	639.762	4.79%	68.39%
12.0	1482.382	37.764	677.526	3.89%	72.43%
13.0	1081.167	30.423	707.949	3.14%	75.68%
14.0	745.503	23.381	731.33	2.41%	78.18%
15.0	524.288	17.432	748.762	1.80%	80.04%
16.0	363.776	13.013	761.775	1.34%	81.44%
17.0	264.390	9.782	771.557	1.01%	82.48%
18.0	235.626	8.244	779.801	0.85%	83.36%
19.0	190.674	7.417	787.218	0.76%	84.16%
20.0	129.847	5.866	793.084	0.61%	84.78%
21.0	112.729	4.658	797.742	0.48%	85.28%
22.0	101.676	4.309	802.051	0.44%	85.74%
23.0	91.866	4.061	806.112	0.42%	86.18%
24.0	83.702	3.839	809.951	0.40%	86.59%
25.0	77.023	3.655	813.605	0.38%	86.98%
26.0	70.490	3.482	817.087	0.36%	87.35%
27.0	64.975	3.314	820.401	0.34%	87.70%
28.0	59.730	3.157	823.559	0.33%	88.04%
29.0	55.479	3.014	826.573	0.31%	88.36%
30.0	51.163	2.879	829.452	0.30%	88.67%
31.0	47.608	2.749	832.201	0.28%	88.96%
32.0	44.367	2.635	834.836	0.27%	89.25%
33.0	41.822	2.539	837.375	0.26%	89.52%
34.0	39.649	2.466	839.84	0.25%	89.78%
35.0	37.806	2.405	842.246	0.25%	90.04%
36.0	36.416	2.363	844.609	0.24%	90.29%
37.0	35.267	2.338	846.947	0.24%	90.54%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	34.184	2.318	849.265	0.24%	90.79%
39.0	33.372	2.306	851.571	0.24%	91.04%
40.0	32.634	2.302	853.873	0.24%	91.28%
41.0	32.173	2.308	856.181	0.24%	91.53%
42.0	31.822	2.325	858.506	0.24%	91.78%
43.0	31.705	2.353	860.859	0.24%	92.03%
44.0	31.727	2.394	863.253	0.25%	92.28%
45.0	31.822	2.442	865.695	0.25%	92.55%
46.0	31.887	2.492	868.187	0.26%	92.81%
47.0	31.887	2.536	870.723	0.26%	93.08%
48.0	31.770	2.573	873.297	0.27%	93.36%
49.0	31.434	2.596	875.892	0.27%	93.64%
50.0	30.944	2.601	878.493	0.27%	93.91%
51.0	30.256	2.589	881.082	0.27%	94.19%
52.0	29.356	2.558	883.64	0.26%	94.46%
53.0	28.361	2.511	886.151	0.26%	94.73%
54.0	27.228	2.450	888.601	0.25%	94.99%
55.0	26.138	2.382	890.983	0.25%	95.25%
56.0	24.857	2.304	893.288	0.24%	95.50%
57.0	23.694	2.220	895.508	0.23%	95.73%
58.0	22.451	2.134	897.641	0.22%	95.96%
59.0	21.302	2.045	899.687	0.21%	96.18%
60.0	20.205	1.961	901.648	0.20%	96.39%
61.0	19.166	1.879	903.527	0.19%	96.59%
62.0	18.193	1.800	905.327	0.19%	96.78%
63.0	17.220	1.722	907.049	0.18%	96.97%
64.0	16.438	1.652	908.701	0.17%	97.14%
65.0	15.633	1.587	910.288	0.16%	97.31%
66.0	14.923	1.525	911.813	0.16%	97.48%
67.0	14.258	1.467	913.28	0.15%	97.63%
68.0	13.614	1.412	914.692	0.15%	97.78%
69.0	13.021	1.359	916.05	0.14%	97.93%
70.0	12.465	1.309	917.359	0.14%	98.07%
71.0	11.953	1.262	918.621	0.13%	98.20%
72.0	11.470	1.218	919.839	0.13%	98.33%
73.0	10.988	1.174	921.014	0.12%	98.46%
74.0	10.578	1.134	922.148	0.12%	98.58%
75.0	10.139	1.095	923.242	0.11%	98.70%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.729	1.055	924.297	0.11%	98.81%
77.0	9.210	1.010	925.307	0.10%	98.92%
78.0	8.749	0.961	926.268	0.10%	99.02%
79.0	8.376	0.920	927.188	0.09%	99.12%
80.0	7.996	0.883	928.071	0.09%	99.21%
81.0	7.659	0.847	928.917	0.09%	99.30%
82.0	7.359	0.814	929.732	0.08%	99.39%
83.0	7.089	0.785	930.517	0.08%	99.48%
84.0	6.833	0.758	931.276	0.08%	99.56%
85.0	6.657	0.736	932.012	0.08%	99.63%
86.0	6.584	0.724	932.736	0.07%	99.71%
87.0	6.372	0.709	933.445	0.07%	99.79%
88.0	6.072	0.682	934.126	0.07%	99.86%
89.0	5.933	0.658	934.784	0.07%	99.93%
90.0	5.808	0.644	935.428	0.07%	100.00%

Zonal flux distribution table

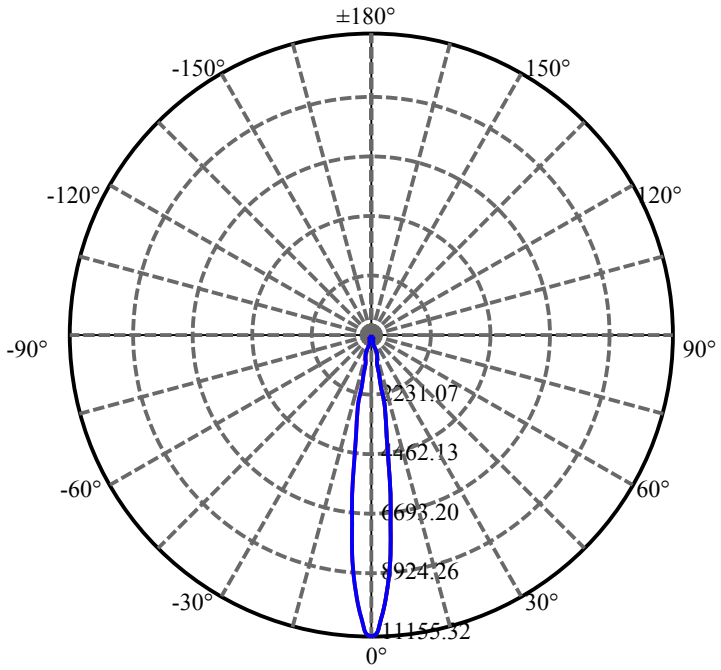
ZONAL LUMEN SUMMARY

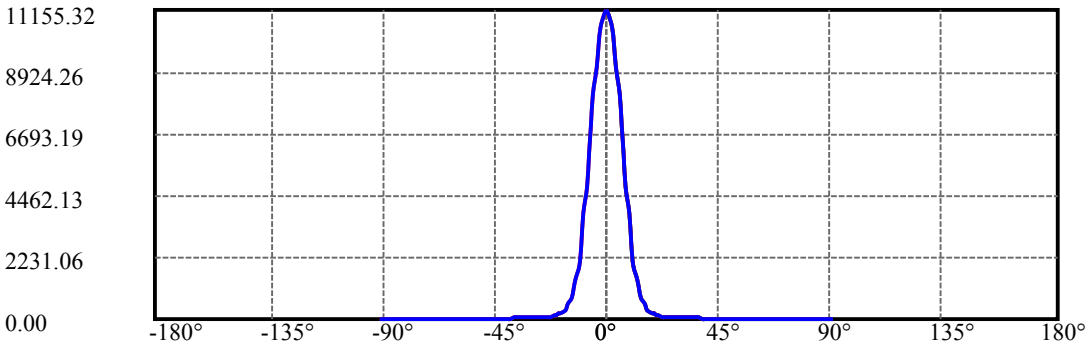
Zone	Lumens	%Lamp	%Fixt
0-30	829.45	85.55%	88.67%
0-40	853.87	88.07%	91.28%
0-60	901.65	93.00%	96.39%
0-90	934.78	96.41%	99.93%
0-120	934.78	96.41%	99.93%
0-180	935.43	96.48%	100.00%
60-90	33.14	3.42%	3.54%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-14.98	748.34	77.18%	80.00%

ZONAL LUMEN SUMMARY

0-10	593.30
10-20	199.79
20-30	36.37
30-40	24.42
40-50	24.62
50-60	23.15
60-70	15.71
70-80	10.71
80-90	6.71
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]





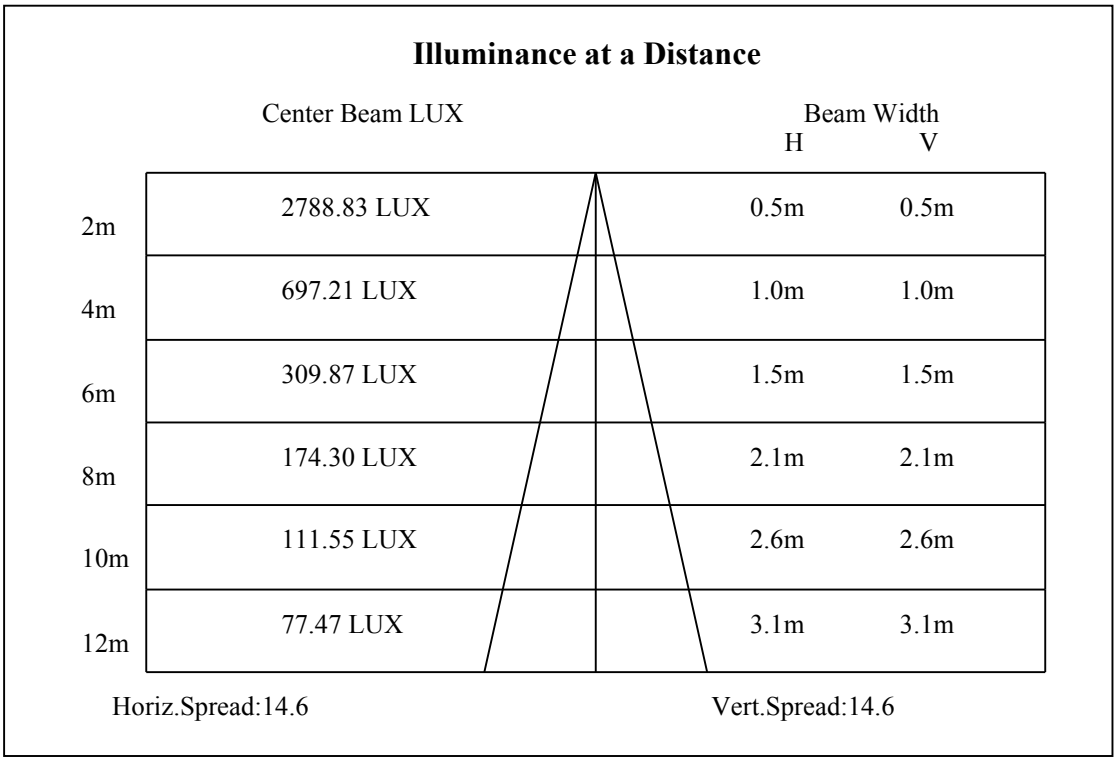
C0(Max):

C0/C180:

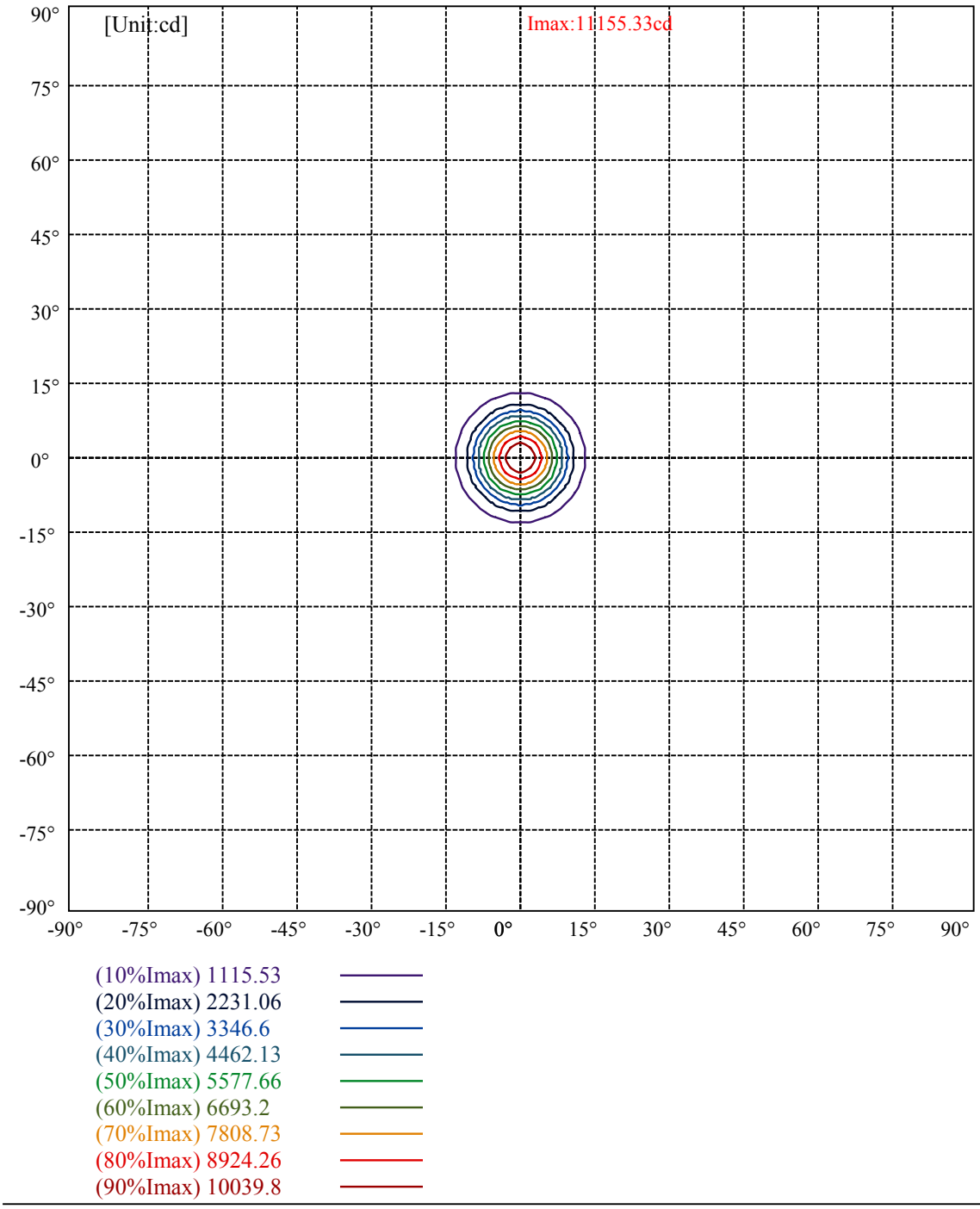
C90/C270:

Field angle(10%Imax):C0/180Left:12.9 Right:12.9
:C90/270Left:12.9 Right:12.9

Beam Angle(50%Imax):C0/180Left:7.3 Right:7.3
:C90/270Left:7.3 Right:7.3


Illuminance at a Distance
Center Beam LUX
Beam Width
H
V
2m
2788.83 LUX
0.5m
0.5m
4m
697.21 LUX
1.0m
1.0m
6m
309.87 LUX
1.5m
1.5m
8m
174.30 LUX
2.1m
2.1m
10m
111.55 LUX
2.6m
2.6m
12m
77.47 LUX
3.1m
3.1m
Horiz.Spread:14.6
Vert.Spread:14.6

ISO-Intensity(V-H)



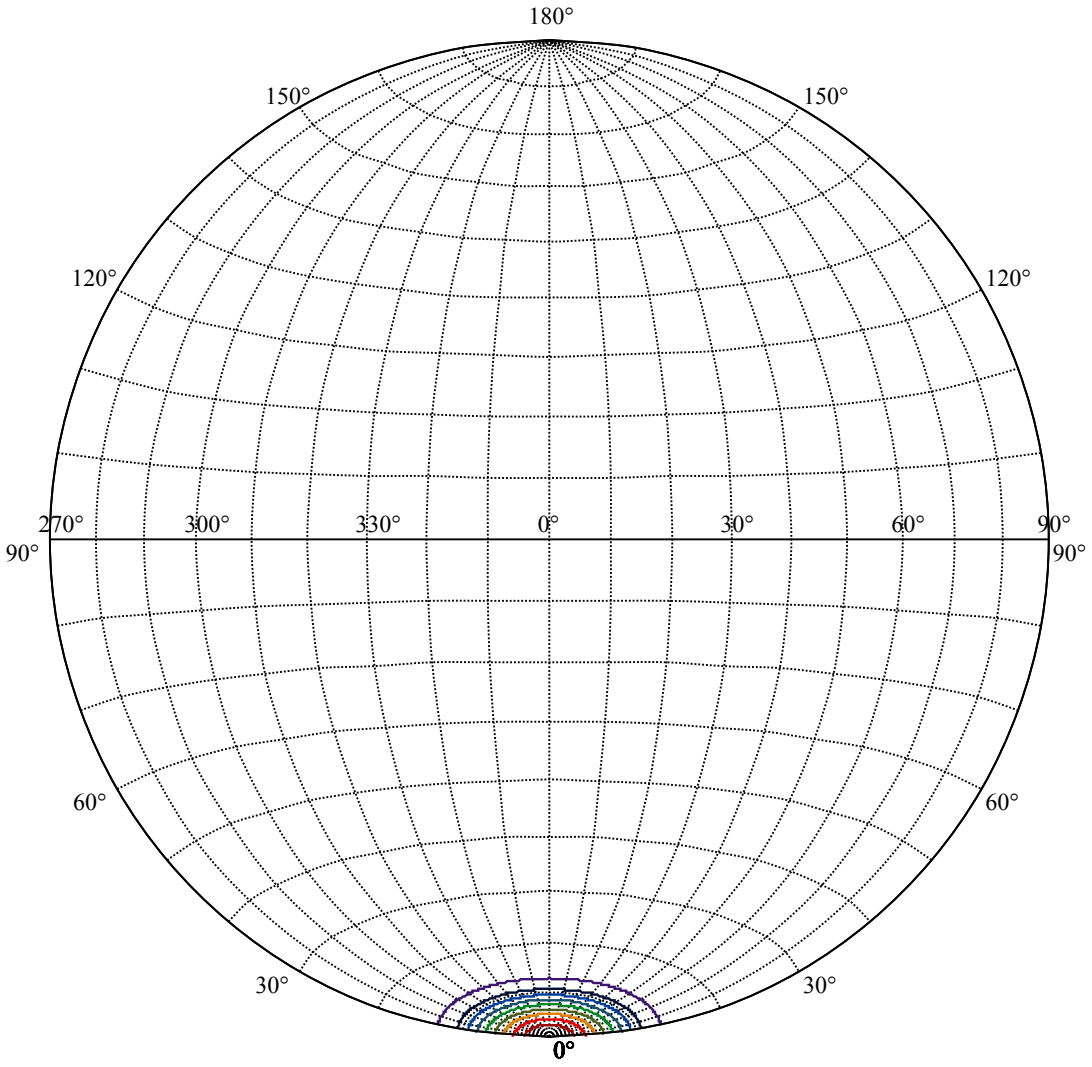
(10%Imax) 1115.53
(20%Imax) 2231.06
(30%Imax) 3346.6
(40%Imax) 4462.13
(50%Imax) 5577.66
(60%Imax) 6693.2
(70%Imax) 7808.73
(80%Imax) 8924.26
(90%Imax) 10039.8

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

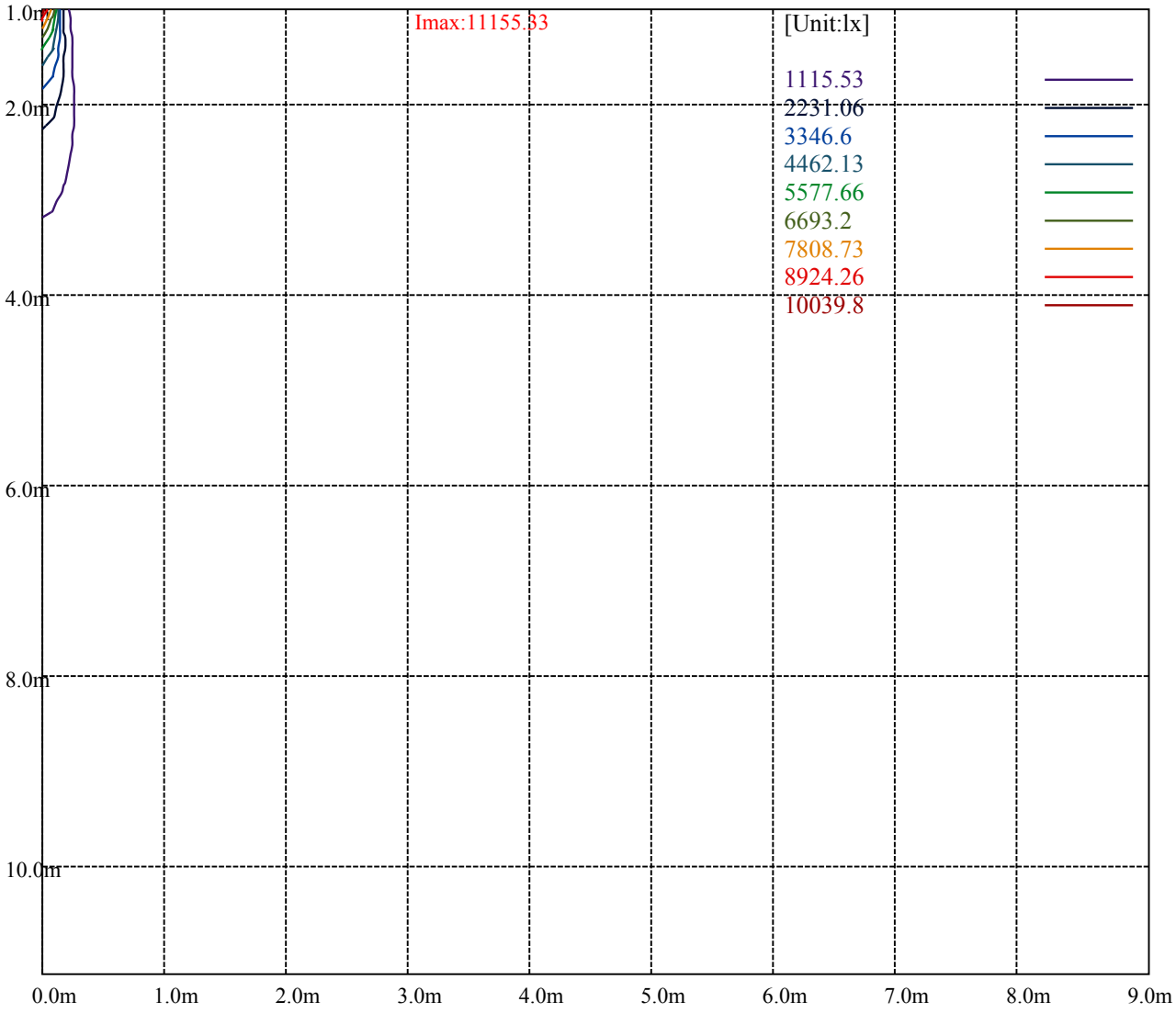


House [Unit:cd] Road

Imax:11155.33

(10%Imax) 1115.53
(20%Imax) 2231.06
(30%Imax) 3346.6
(40%Imax) 4462.13
(50%Imax) 5577.66
(60%Imax) 6693.2
(70%Imax) 7808.73
(80%Imax) 8924.26
(90%Imax) 10039.8

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT NT 61-0206

Luminance Limitting Curve(no luminous side)

Luminance Table

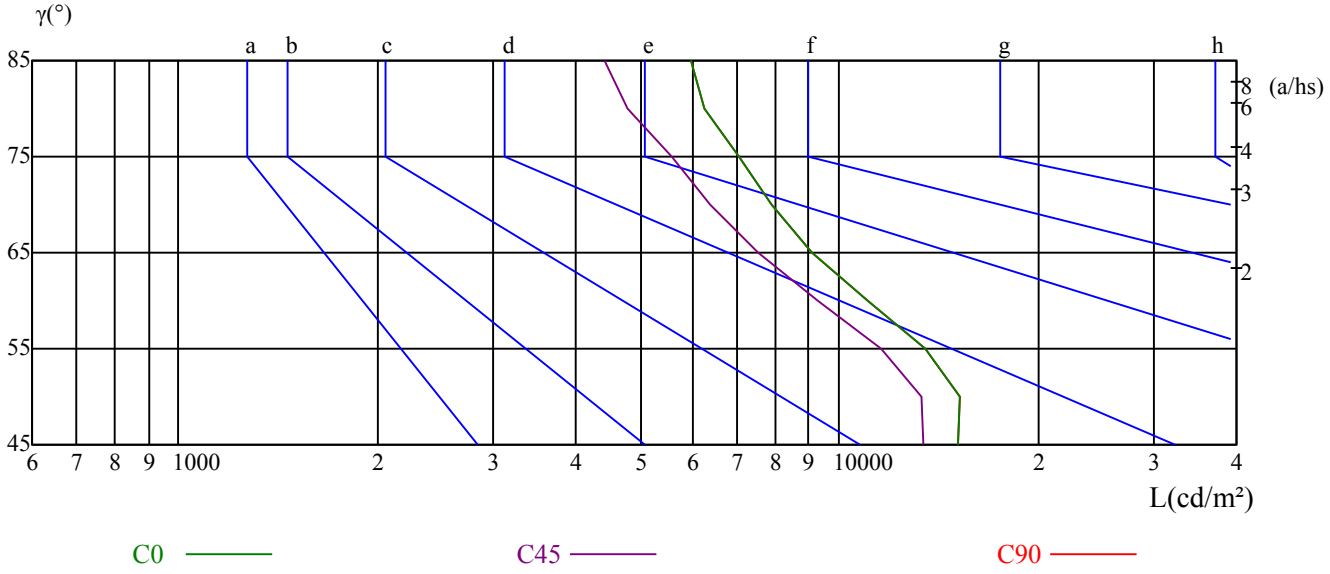
γ	45	50	55	60	65	70	75	80	85
C0	15152	15277	13504	11036	9130	7886	7056	6235	5955
C45	13388	13307	11585	9312	7563	6398	5586	4794	4415
C90	15152	15277	13504	11036	9130	7886	7056	6235	5955

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
18267	18267	18267	19345	19345	19345	37718	37718	37718

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: 2024/8/17
Humidity(%): 60.0%

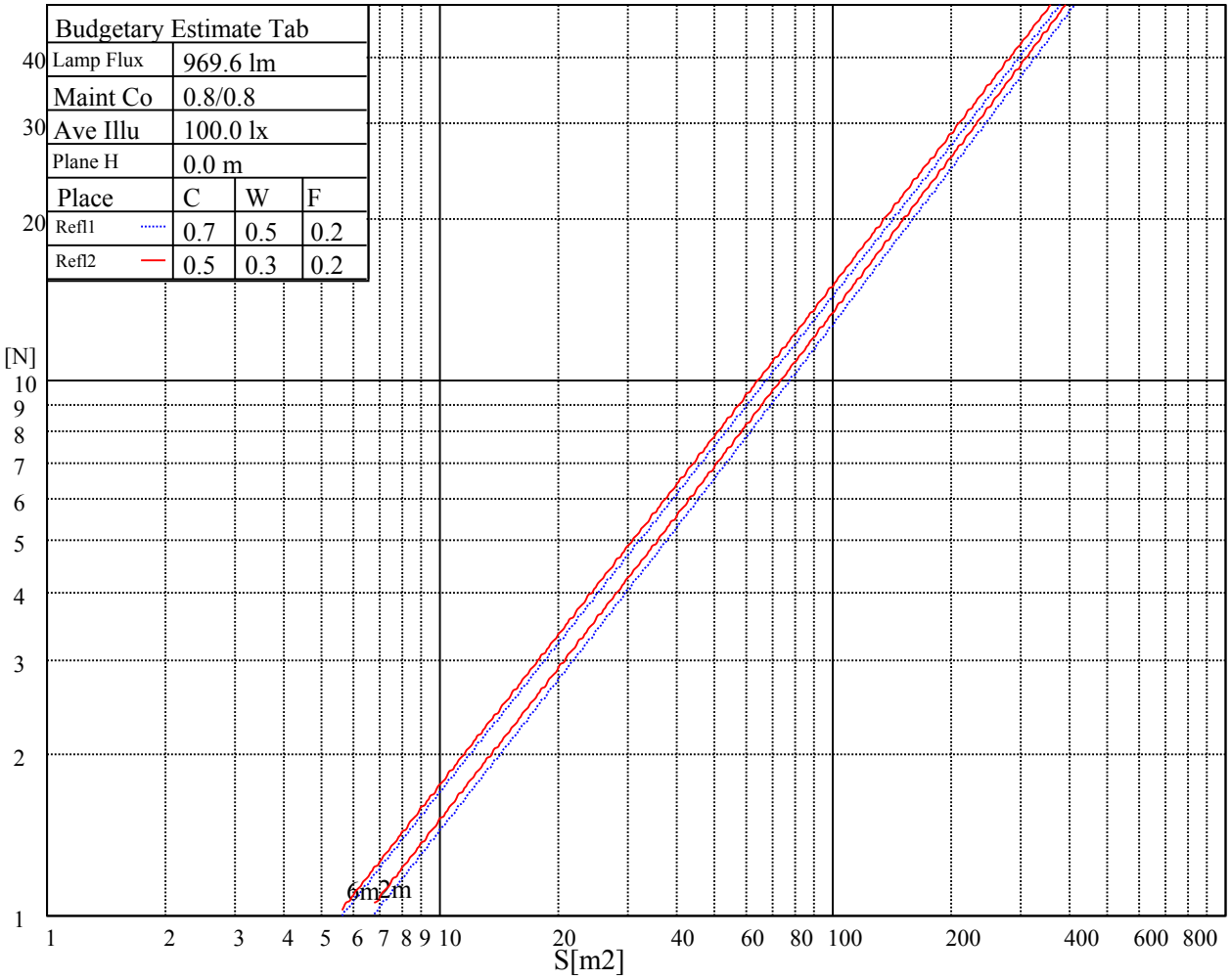
Operator: NT07
Distance(m): 7.65

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	14.55	15.57	14.92	15.88	16.19	14.50	15.51	14.86	15.83	16.14
	3H	15.82	16.73	16.21	17.07	17.41	15.75	16.65	16.13	16.99	17.34
	4H	16.45	17.29	16.85	17.65	18.02	16.29	17.13	16.69	17.49	17.85
	6H	17.00	17.77	17.41	18.14	18.54	16.83	17.60	17.25	17.98	18.38
	8H	17.23	17.96	17.65	18.35	18.76	17.07	17.81	17.49	18.19	18.60
	12H	17.46	18.16	17.89	18.56	18.97	17.32	18.02	17.74	18.41	18.83
4H	2H	15.02	15.86	15.42	16.22	16.58	14.98	15.82	15.38	16.17	16.54
	3H	16.43	17.14	16.86	17.54	17.95	16.37	17.07	16.79	17.47	17.89
	4H	17.24	17.85	17.68	18.28	18.72	17.08	17.69	17.52	18.12	18.57
	6H	17.87	18.42	18.34	18.87	19.32	17.72	18.26	18.19	18.71	19.17
	8H	18.20	18.70	18.68	19.16	19.63	18.05	18.56	18.54	19.02	19.49
	12H	18.54	19.00	19.02	19.45	19.97	18.41	18.87	18.89	19.32	19.84
8H	4H	17.41	17.92	17.90	18.38	18.85	17.27	17.78	17.76	18.24	18.71
	6H	18.21	18.62	18.71	19.10	19.61	18.07	18.49	18.58	18.97	19.48
	8H	18.69	19.04	19.22	19.56	20.06	18.57	18.92	19.10	19.44	19.94
	12H	19.17	19.44	19.71	19.96	20.48	19.06	19.34	19.61	19.85	20.38
12H	4H	17.43	17.90	17.92	18.35	18.87	17.29	17.76	17.78	18.21	18.73
	6H	18.32	18.67	18.85	19.19	19.68	18.19	18.54	18.72	19.06	19.56
	8H	18.82	19.09	19.36	19.61	20.13	18.71	18.98	19.25	19.50	20.02

Variation with the observer position at spacings:		
S = 1.0H	0.3/-0.7	0.3/-0.7
S = 1.5H	0.4/-0.8	0.4/-0.8
S = 2.0H	0.8/-1.0	0.8/-1.0
Standard tables:	BKBF	BKBF
Uncorrected UGR	3.1	3.1

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

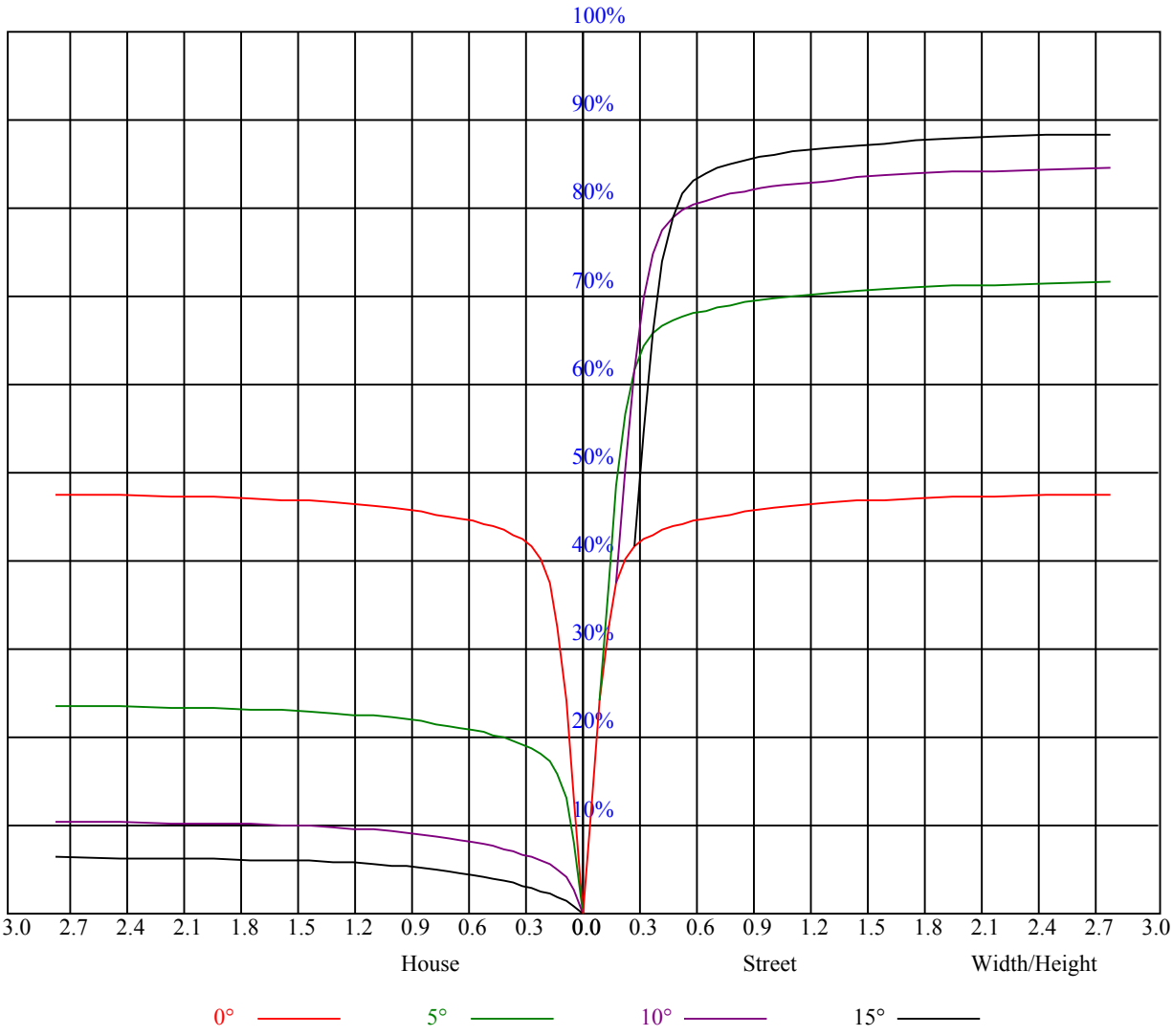


Equipment: GMS1980 Date: 2024/8/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

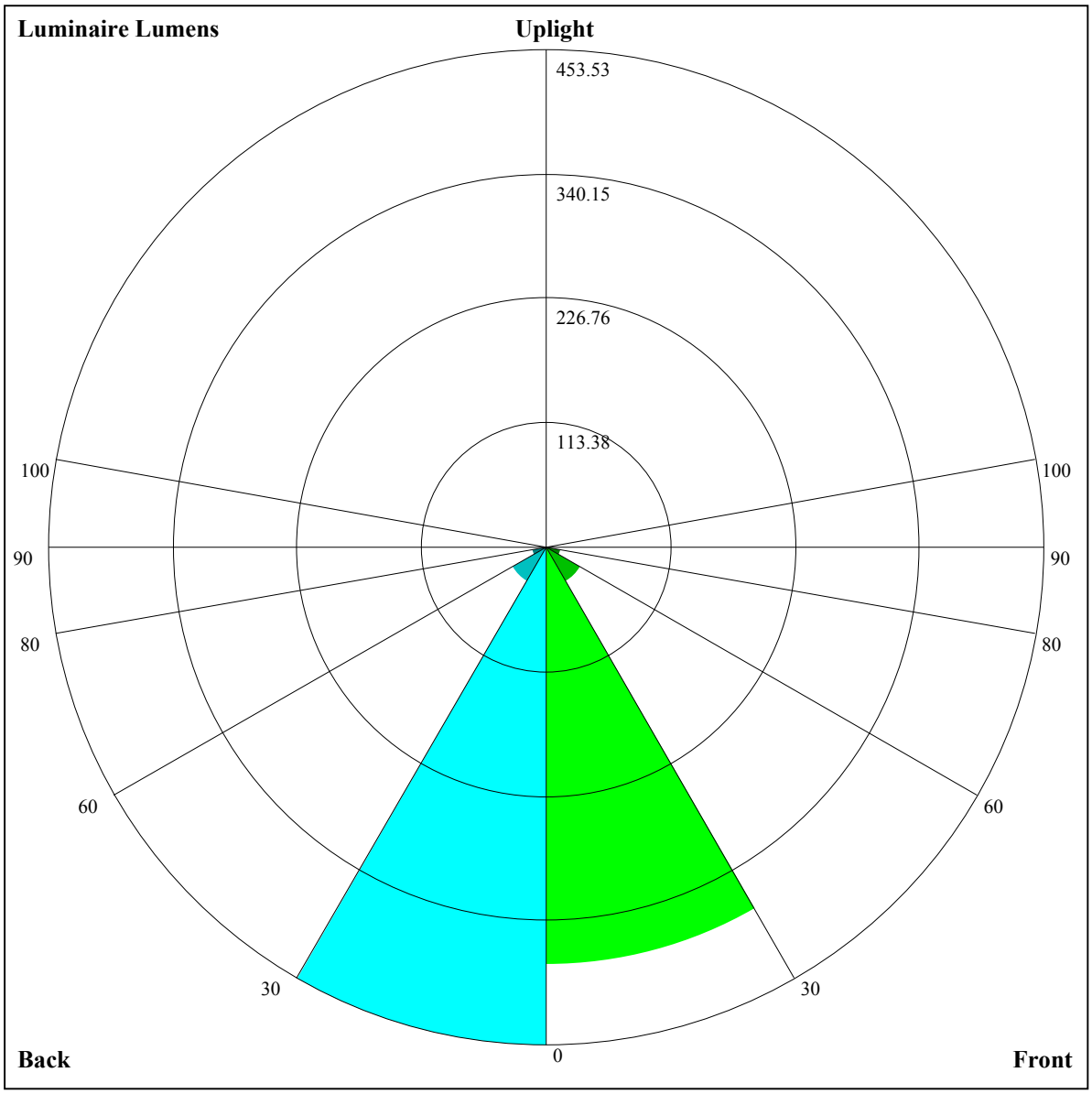
Utilization factor table for indoor luminaire

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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.96
1	1.09	1.07	1.05	1.07	1.05	1.03	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93
2	1.04	1.01	0.98	1.02	1.00	0.97	0.99	0.97	0.95	0.96	0.95	0.93	0.94	0.92	0.91	0.90
3	1.00	0.96	0.94	0.98	0.95	0.93	0.96	0.94	0.91	0.94	0.92	0.90	0.92	0.90	0.89	0.88
4	0.96	0.93	0.90	0.95	0.92	0.90	0.94	0.91	0.89	0.92	0.89	0.88	0.90	0.88	0.87	0.86
5	0.94	0.90	0.87	0.93	0.90	0.87	0.91	0.88	0.86	0.90	0.87	0.86	0.89	0.87	0.85	0.84
6	0.91	0.88	0.85	0.91	0.87	0.85	0.90	0.87	0.84	0.88	0.86	0.84	0.87	0.85	0.83	0.82
7	0.89	0.86	0.83	0.89	0.86	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.86	0.84	0.82	0.81
8	0.88	0.84	0.82	0.87	0.84	0.82	0.86	0.83	0.81	0.86	0.83	0.81	0.85	0.82	0.81	0.80
9	0.86	0.83	0.80	0.86	0.83	0.80	0.85	0.82	0.80	0.84	0.82	0.80	0.84	0.81	0.80	0.79
10	0.85	0.81	0.79	0.84	0.81	0.79	0.84	0.81	0.79	0.83	0.81	0.79	0.83	0.80	0.79	0.78

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=380.85,FM=35.68,FH=12.91,FVH=3.62
BL=453.53,BM=36.63,BH=13.48,BVH=3.74
UL=0,UH=0

BUG Rating:B1-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	11101.78	10501.34	9776.24	8941.71	7994.23	6696.79	5667.96	4647.92	3467.52
45.0	11273.25	11114.65	10733.67	10136.16	9118.45	8185.60	7174.33	6144.34	4885.52
90.0	11195.41	10938.50	10332.21	9595.99	8505.72	7540.68	6534.10	5262.99	4276.30
135.0	11050.86	11238.13	11140.40	10688.61	10038.42	9230.81	8026.42	7008.71	5697.22
180.0	11101.78	11308.95	11236.96	10890.51	10116.26	9292.85	8104.84	7082.45	6022.61
225.0	11273.25	11090.66	10520.06	9859.93	9033.01	8106.60	6857.14	5818.95	4803.59
270.0	11195.41	11174.34	10889.93	10420.57	9565.56	8735.71	7835.64	6841.34	5593.05
315.0	11050.86	10608.43	9796.73	8973.90	8063.87	7076.60	5782.67	4749.74	3775.34
360.0	11101.78	10501.34	9776.24	8941.71	7994.23	6696.79	5667.96	4647.92	3467.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2649.96	1090.51	1090.51	909.50	633.21	414.22	303.67	228.41	169.07
45.0	3932.19	3070.15	2332.77	1581.92	1121.35	783.09	546.66	352.36	298.52
90.0	3351.06	2373.73	1139.49	1139.49	868.88	550.99	383.61	272.95	204.89
135.0	4659.62	3691.66	2833.72	1941.84	1387.63	969.19	668.39	429.61	309.64
180.0	4719.90	3733.21	2860.64	2126.18	1405.77	986.75	694.72	496.91	331.30
225.0	3847.91	2814.41	1662.68	1142.77	1142.77	751.84	539.17	364.19	270.67
270.0	4616.90	3491.51	2699.12	2038.98	1398.75	1016.59	729.83	524.42	347.68
315.0	2706.14	1158.86	1158.86	978.38	690.98	491.35	328.25	241.35	183.35
360.0	2649.96	1090.51	1090.51	909.50	633.21	414.22	303.67	228.41	169.07

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	141.21	122.55	109.61	97.50	89.31	82.40	75.61	68.82	63.91
45.0	298.52	148.41	128.34	110.61	100.42	92.00	82.22	75.73	69.76
90.0	156.49	133.20	117.45	103.00	93.69	83.75	76.96	71.05	64.61
135.0	309.64	220.63	147.13	128.40	114.65	101.24	92.41	84.45	75.96
180.0	305.55	305.55	155.32	128.81	114.29	103.94	93.23	85.74	77.07
225.0	206.23	154.56	130.04	114.53	102.94	91.65	84.51	78.30	72.63
270.0	320.18	320.18	143.09	120.85	107.51	97.73	88.31	81.35	75.32
315.0	147.18	120.32	107.80	98.14	90.59	82.22	76.37	70.75	64.67
360.0	141.21	122.55	109.61	97.50	89.31	82.40	75.61	68.82	63.91

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	58.46	54.31	50.62	46.41	43.72	41.38	39.33	37.45	36.05
45.0	64.37	58.52	54.31	50.62	47.34	43.72	41.20	39.03	36.99
90.0	59.75	55.48	51.62	48.16	44.18	41.38	39.21	37.40	35.70
135.0	70.11	63.56	58.82	54.54	50.74	46.53	43.72	41.14	39.21
180.0	70.87	65.60	60.80	55.36	51.21	47.52	44.42	41.32	39.33
225.0	65.95	61.27	57.00	52.20	48.81	45.12	42.66	40.61	38.51
270.0	70.17	64.20	59.58	54.31	50.68	47.29	43.83	41.55	39.68
315.0	60.10	54.89	51.09	47.70	44.18	42.02	40.20	38.68	36.99
360.0	58.46	54.31	50.62	46.41	43.72	41.38	39.33	37.45	36.05

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	35.00	34.00	33.07	32.48	32.07	31.66	31.60	31.54	31.66
45.0	35.70	34.53	33.36	32.54	31.89	31.25	30.90	30.67	30.55
90.0	34.59	33.53	32.60	31.84	31.13	30.84	30.43	30.26	30.26
135.0	37.22	35.99	34.76	33.71	32.60	31.95	31.19	30.78	30.55
180.0	37.69	36.46	34.82	33.88	32.77	32.13	31.49	31.19	31.02
225.0	37.10	35.93	35.05	34.29	33.47	33.18	32.95	33.07	33.24
270.0	38.16	36.69	35.64	34.94	34.24	33.83	33.59	33.59	33.83
315.0	35.87	35.00	34.18	33.30	32.89	32.54	32.42	32.54	32.71
360.0	35.00	34.00	33.07	32.48	32.07	31.66	31.60	31.54	31.66

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	31.84	31.72	31.49	31.19	30.67	30.08	29.14	28.32	27.39
45.0	30.49	30.61	30.67	30.72	30.55	30.14	29.44	28.56	27.56
90.0	30.31	30.31	30.31	30.20	29.79	29.44	28.79	27.86	26.98
135.0	30.43	30.49	30.55	30.67	30.55	30.31	29.96	29.50	28.73
180.0	31.13	31.37	31.54	31.66	31.66	31.37	30.90	30.31	29.55
225.0	33.42	33.47	33.47	33.12	32.66	31.95	31.13	29.90	28.79
270.0	34.06	34.29	34.29	34.24	33.77	33.18	32.42	31.43	30.02
315.0	32.89	32.83	32.77	32.36	31.84	31.08	30.26	28.97	27.86
360.0	31.84	31.72	31.49	31.19	30.67	30.08	29.14	28.32	27.39

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.28	24.99	23.88	22.82	21.48	20.42	19.31	18.38	17.50
45.0	26.34	25.34	24.29	23.17	21.83	20.83	19.84	18.90	17.79
90.0	25.75	24.81	23.70	22.36	21.30	20.31	19.14	18.26	17.44
135.0	27.92	27.10	25.87	24.81	23.53	22.47	21.42	20.37	19.08
180.0	28.44	27.45	26.04	24.99	23.88	22.47	21.48	20.42	19.49
225.0	27.62	26.45	24.93	23.70	22.59	21.48	20.13	19.20	18.32
270.0	28.79	27.51	26.22	24.99	23.47	22.24	21.13	19.78	18.79
315.0	26.69	25.46	23.94	22.71	21.54	20.19	19.20	18.02	17.15
360.0	26.28	24.99	23.88	22.82	21.48	20.42	19.31	18.38	17.50

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.56	15.86	15.16	14.57	13.87	13.40	12.93	12.41	11.94
45.0	16.97	16.27	15.33	14.69	14.10	13.28	12.76	12.11	11.59
90.0	16.68	15.74	15.04	14.40	13.81	13.11	12.52	12.06	11.41
135.0	18.14	17.38	16.62	15.68	15.04	14.40	13.64	13.05	12.52
180.0	18.32	17.50	16.74	15.98	15.16	14.51	13.93	13.34	12.87
225.0	17.15	16.39	15.51	14.86	14.22	13.52	12.99	12.47	12.00
270.0	17.67	16.85	16.04	15.22	14.51	13.87	13.23	12.58	12.06
315.0	16.27	15.51	14.63	13.99	13.34	12.82	12.17	11.70	11.24
360.0	16.56	15.86	15.16	14.57	13.87	13.40	12.93	12.41	11.94

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.53	11.24	11.06	10.94	10.30	9.25	8.60	8.13	7.72
45.0	11.12	10.65	10.18	9.71	9.36	8.95	8.49	8.19	7.84
90.0	10.94	10.42	10.01	9.60	9.25	8.78	8.37	8.08	7.72
135.0	11.94	11.41	11.00	10.48	10.07	9.66	9.19	8.84	8.43
180.0	12.35	11.82	11.35	10.83	10.42	9.95	9.48	9.01	8.54
225.0	11.53	11.00	10.59	10.12	9.71	9.25	8.84	8.49	8.08
270.0	11.59	11.12	10.59	10.12	9.77	9.31	8.90	8.49	8.13
315.0	10.77	10.24	9.83	9.31	8.95	8.54	8.13	7.78	7.49
360.0	11.53	11.24	11.06	10.94	10.30	9.25	8.60	8.13	7.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.49	7.14	6.96	6.67	6.55	6.67	6.20	6.09	6.03
45.0	7.43	7.26	6.91	6.73	6.50	6.38	6.26	5.97	5.85
90.0	7.37	7.14	6.85	6.67	6.55	6.61	6.14	5.97	5.85
135.0	8.02	7.72	7.43	7.08	6.79	6.61	6.55	6.14	5.97
180.0	8.13	7.72	7.43	7.08	6.91	6.73	6.91	6.38	6.14
225.0	7.78	7.43	7.20	6.91	6.67	6.55	6.26	6.03	5.91
270.0	7.84	7.49	7.20	6.96	6.79	6.79	6.67	6.14	5.97
315.0	7.20	6.96	6.73	6.55	6.50	6.32	5.97	5.85	5.74
360.0	7.49	7.14	6.96	6.67	6.55	6.67	6.20	6.09	6.03

Intensity data(cd)

C/γ(°)	90.0
0.0	5.85
45.0	5.85
90.0	5.79
135.0	5.85
180.0	5.91
225.0	5.68
270.0	5.79
315.0	5.74
360.0	5.85