NATA LIGHTING CO.,LTD.
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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 61-0212
Luminaire: 92.70.427.00
Report No: 2024926-B017
Ballast type: AC

Test No: 2024926-C017	Voltage(V): 29.770
LampCAT: CITIZEN CLU701 LES6.0	Current(A): 0.200
Lamp flux(lm): 732.8	Power (W): 5.954
Number of Lamps: 1	PF: 0.000
Length(mm): 45	Width(mm): 45
Phm Type: C	Height(mm): 21

Photometric Results

Lumens(lm): 683.62, Efficiency(%): 93.29% , Luminous Efficacy(lm/W): 114.82
Central intensity(cd): 665.503, Maximum intensity(cd): 680.690
Angle of maximum intensity: C=0.0 γ=9.0
Beam Angle(50%Imax): [C0/180]Total=60.4
[C90/270]Total=60.4
Field angle(10%Imax): [C0/180]Total=78.2
[C90/270]Total=78.2
Maximum s/h(1/2): C0_180=1.02 C90_270=1.02
Maximum s/h(1/4): C0_180=0.88 C90_270=0.88
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.29%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 94.425%

Equipment: GMS1980	Date: 2024/9/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	665.503	0.000	0	0.00%	0.00%
1.0	666.681	0.637	0.637	0.09%	0.09%
2.0	669.037	1.917	2.555	0.26%	0.37%
3.0	671.597	3.206	5.761	0.44%	0.84%
4.0	673.609	4.503	10.264	0.61%	1.50%
5.0	675.847	5.805	16.069	0.79%	2.35%
6.0	677.522	7.112	23.181	0.97%	3.39%
7.0	679.410	8.422	31.604	1.15%	4.62%
8.0	680.558	9.733	41.337	1.33%	6.05%
9.0	680.690	11.032	52.369	1.51%	7.66%
10.0	680.192	12.315	64.685	1.68%	9.46%
11.0	679.797	13.589	78.274	1.85%	11.45%
12.0	678.685	14.850	93.124	2.03%	13.62%
13.0	676.798	16.086	109.21	2.20%	15.98%
14.0	674.552	17.297	126.507	2.36%	18.51%
15.0	672.065	18.487	144.994	2.52%	21.21%
16.0	668.773	19.647	164.641	2.68%	24.08%
17.0	664.757	20.767	185.408	2.83%	27.12%
18.0	659.768	21.839	207.246	2.98%	30.32%
19.0	652.811	22.836	230.082	3.12%	33.66%
20.0	645.167	23.757	253.839	3.24%	37.13%
21.0	632.438	24.533	278.372	3.35%	40.72%
22.0	618.195	25.132	303.504	3.43%	44.40%
23.0	598.963	25.539	329.043	3.49%	48.13%
24.0	574.698	25.660	354.703	3.50%	51.89%
25.0	547.624	25.519	380.223	3.48%	55.62%
26.0	512.679	25.029	405.251	3.42%	59.28%
27.0	476.534	24.201	429.452	3.30%	62.82%
28.0	439.292	23.187	452.639	3.16%	66.21%
29.0	394.251	21.808	474.447	2.98%	69.40%
30.0	350.491	20.108	494.555	2.74%	72.34%
31.0	309.460	18.365	512.92	2.51%	75.03%
32.0	267.872	16.540	529.46	2.26%	77.45%
33.0	228.106	14.612	544.072	1.99%	79.59%
34.0	188.837	12.618	556.69	1.72%	81.43%
35.0	156.445	10.723	567.413	1.46%	83.00%
36.0	129.803	9.114	576.527	1.24%	84.34%
37.0	104.507	7.642	584.169	1.04%	85.45%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	84.375	6.305	590.474	0.86%	86.38%
39.0	69.100	5.239	595.712	0.71%	87.14%
40.0	57.520	4.416	600.128	0.60%	87.79%
41.0	48.127	3.762	603.891	0.51%	88.34%
42.0	41.887	3.270	607.161	0.45%	88.82%
43.0	37.118	2.927	610.088	0.40%	89.24%
44.0	34.316	2.696	612.784	0.37%	89.64%
45.0	32.253	2.558	615.342	0.35%	90.01%
46.0	30.476	2.453	617.795	0.33%	90.37%
47.0	29.152	2.372	620.167	0.32%	90.72%
48.0	27.923	2.307	622.474	0.31%	91.06%
49.0	26.752	2.245	624.719	0.31%	91.38%
50.0	25.611	2.183	626.902	0.30%	91.70%
51.0	24.419	2.117	629.019	0.29%	92.01%
52.0	23.394	2.052	631.071	0.28%	92.31%
53.0	22.436	1.994	633.064	0.27%	92.61%
54.0	21.434	1.934	634.998	0.26%	92.89%
55.0	20.556	1.874	636.872	0.26%	93.16%
56.0	19.729	1.820	638.693	0.25%	93.43%
57.0	18.954	1.769	640.461	0.24%	93.69%
58.0	18.259	1.721	642.182	0.23%	93.94%
59.0	17.630	1.678	643.86	0.23%	94.18%
60.0	17.096	1.641	645.501	0.22%	94.42%
61.0	16.650	1.610	647.111	0.22%	94.66%
62.0	16.277	1.587	648.698	0.22%	94.89%
63.0	15.940	1.567	650.264	0.21%	95.12%
64.0	15.611	1.548	651.813	0.21%	95.35%
65.0	15.318	1.531	653.343	0.21%	95.57%
66.0	15.055	1.515	654.859	0.21%	95.79%
67.0	14.777	1.500	656.359	0.20%	96.01%
68.0	14.477	1.482	657.841	0.20%	96.23%
69.0	14.221	1.464	659.305	0.20%	96.44%
70.0	13.958	1.447	660.752	0.20%	96.66%
71.0	13.680	1.428	662.18	0.19%	96.86%
72.0	13.402	1.408	663.589	0.19%	97.07%
73.0	13.153	1.389	664.977	0.19%	97.27%
74.0	12.890	1.369	666.346	0.19%	97.47%
75.0	12.582	1.346	667.692	0.18%	97.67%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.253	1.318	669.01	0.18%	97.86%
77.0	11.909	1.288	670.299	0.18%	98.05%
78.0	11.573	1.257	671.556	0.17%	98.24%
79.0	11.207	1.224	672.78	0.17%	98.41%
80.0	10.856	1.189	673.969	0.16%	98.59%
81.0	10.527	1.156	675.125	0.16%	98.76%
82.0	10.154	1.121	676.247	0.15%	98.92%
83.0	9.744	1.082	677.329	0.15%	99.08%
84.0	9.349	1.040	678.369	0.14%	99.23%
85.0	8.939	0.998	679.367	0.14%	99.38%
86.0	8.676	0.963	680.33	0.13%	99.52%
87.0	8.142	0.920	681.25	0.13%	99.65%
88.0	7.367	0.850	682.1	0.12%	99.78%
89.0	6.869	0.780	682.88	0.11%	99.89%
90.0	6.540	0.735	683.615	0.10%	100.00%

Zonal flux distribution table

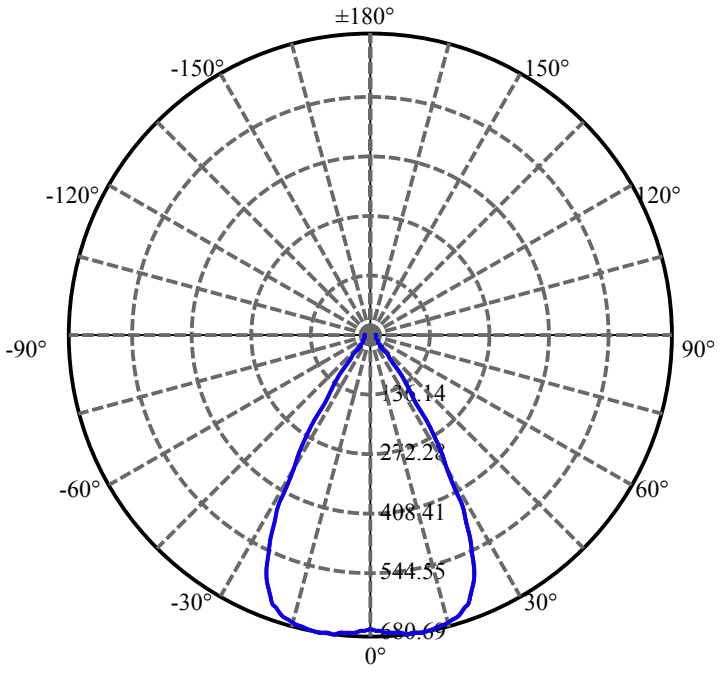
ZONAL LUMEN SUMMARY

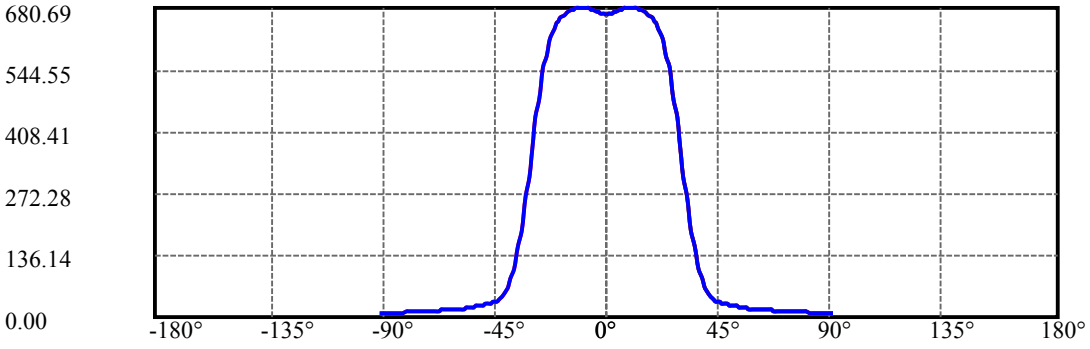
Zone	Lumens	%Lamp	%Fixt
0-30	494.55	67.49%	72.34%
0-40	600.13	81.90%	87.79%
0-60	645.50	88.09%	94.42%
0-90	682.88	93.19%	99.89%
0-120	682.88	93.19%	99.89%
0-180	683.62	93.29%	100.00%
60-90	37.38	5.10%	5.47%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.22	546.89	74.63%	80.00%

ZONAL LUMEN SUMMARY

0-10	64.68
10-20	189.15
20-30	240.72
30-40	105.57
40-50	26.77
50-60	18.60
60-70	15.25
70-80	13.22
80-90	8.91
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:48.1 Right:30.1
:C90/270Left:48.1 Right:30.1

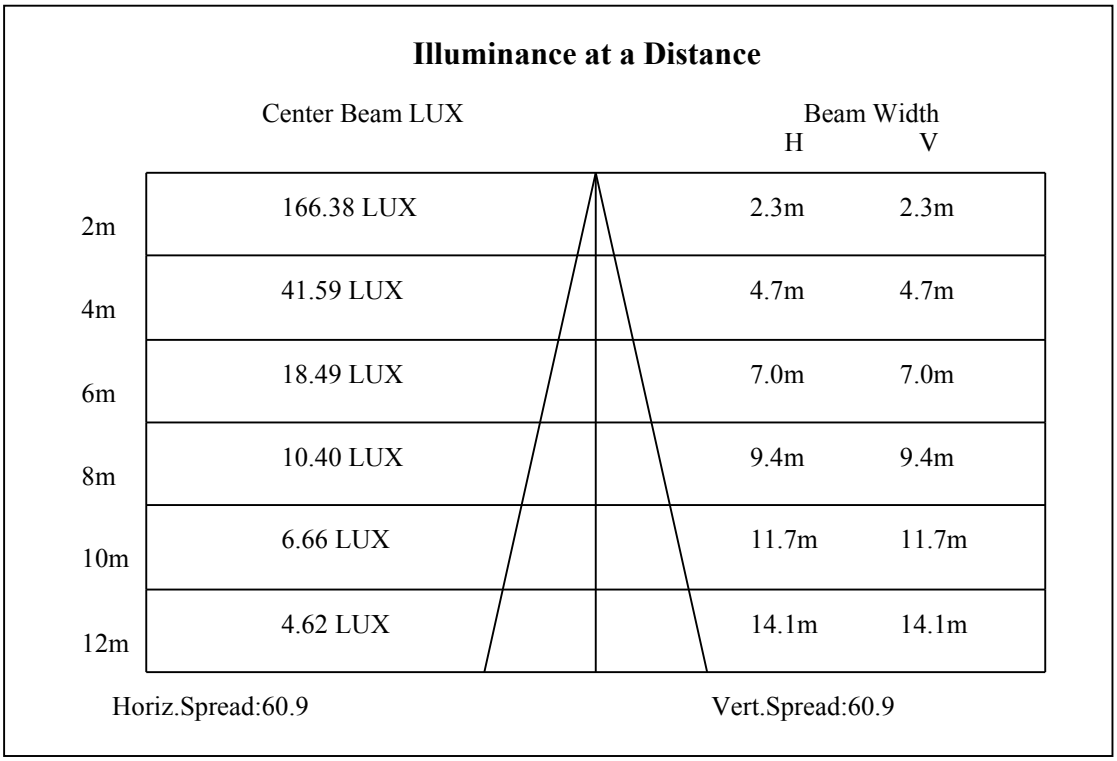
Beam Angle(50%Imax):C0/180Left:39.2 Right:21.2
:C90/270Left:39.2 Right:21.2

Equipment: GMS1980
Temperature(°C): 25.0

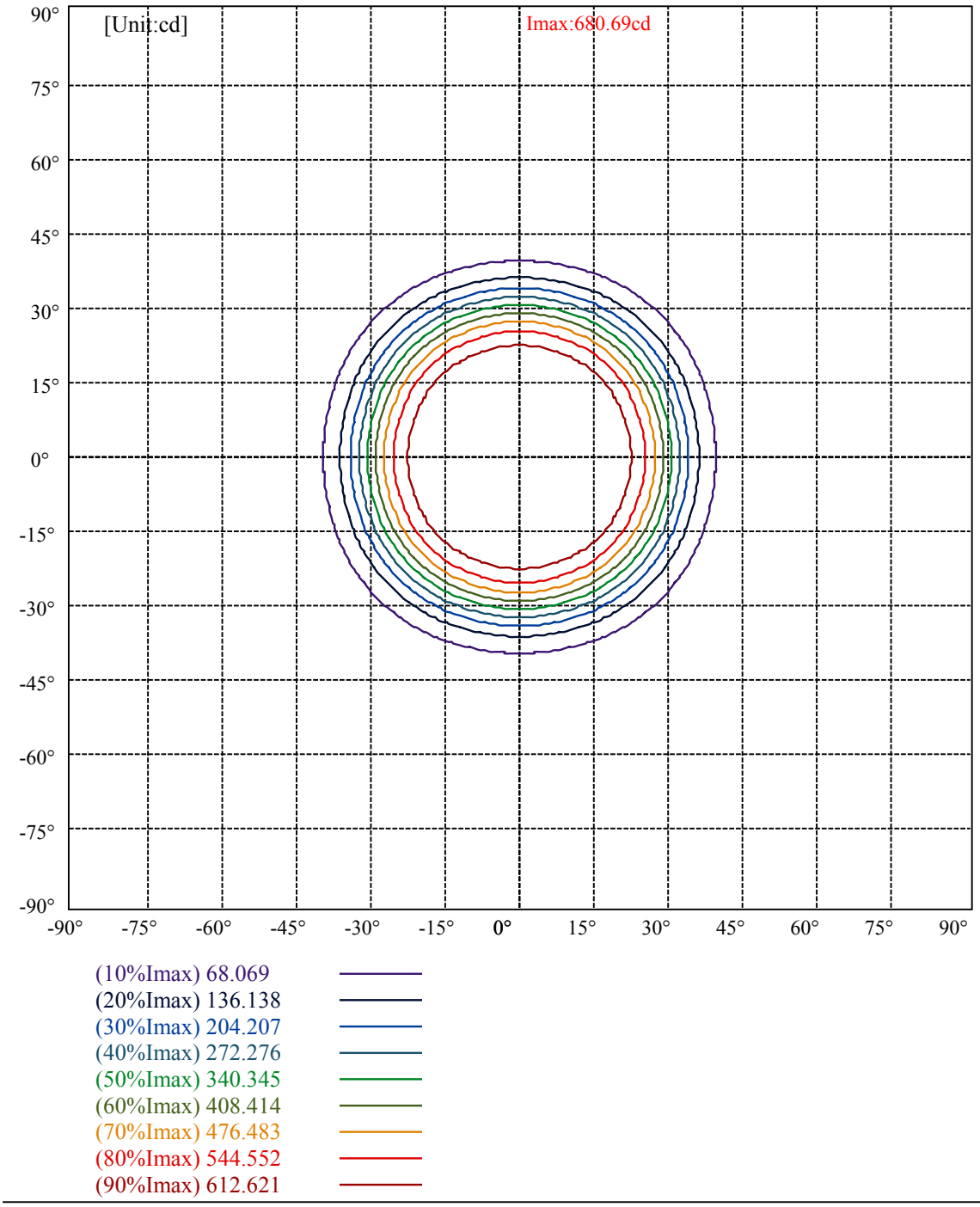
Date: 2024/9/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Lux distance Curve



ISO-Intensity(V-H)

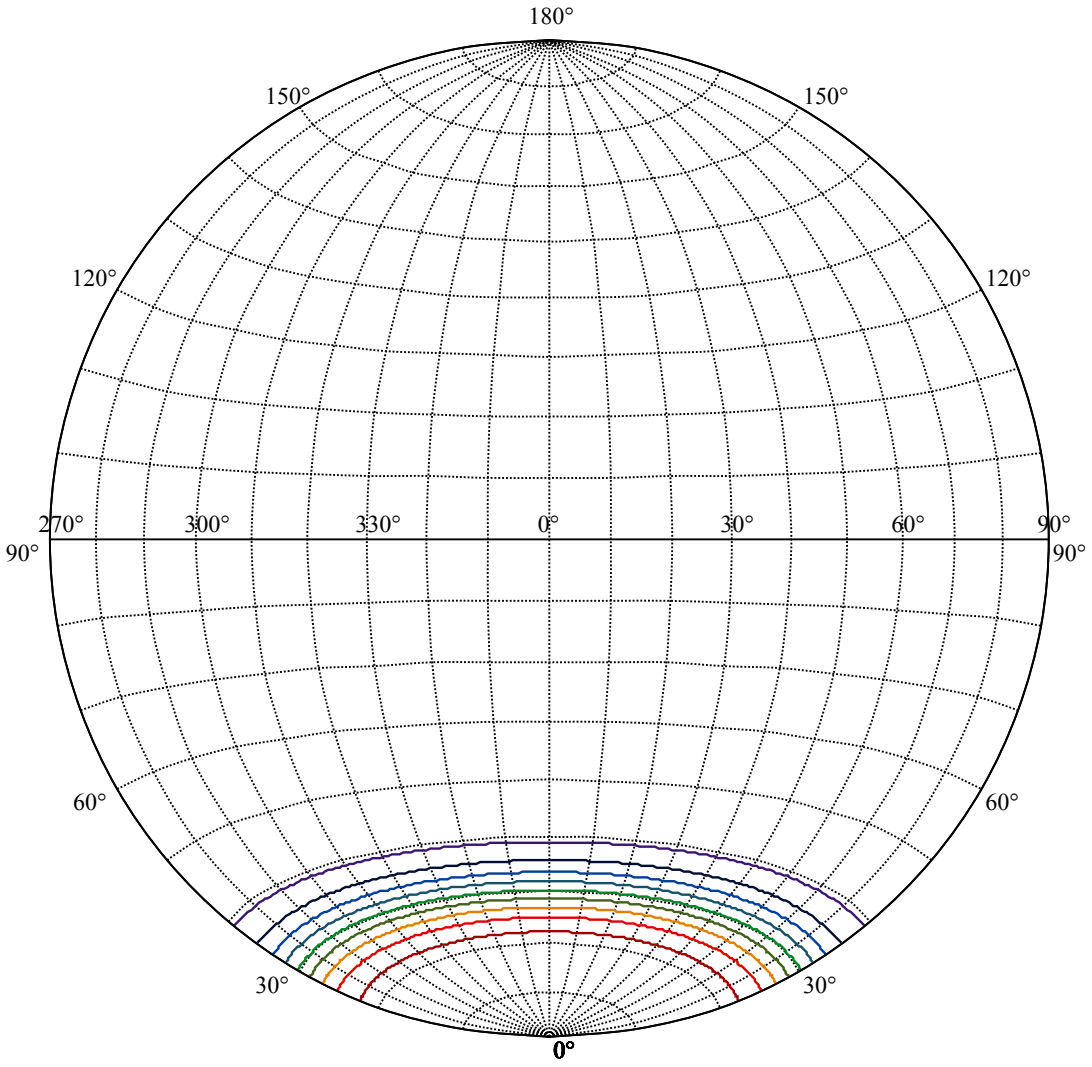


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:680.69

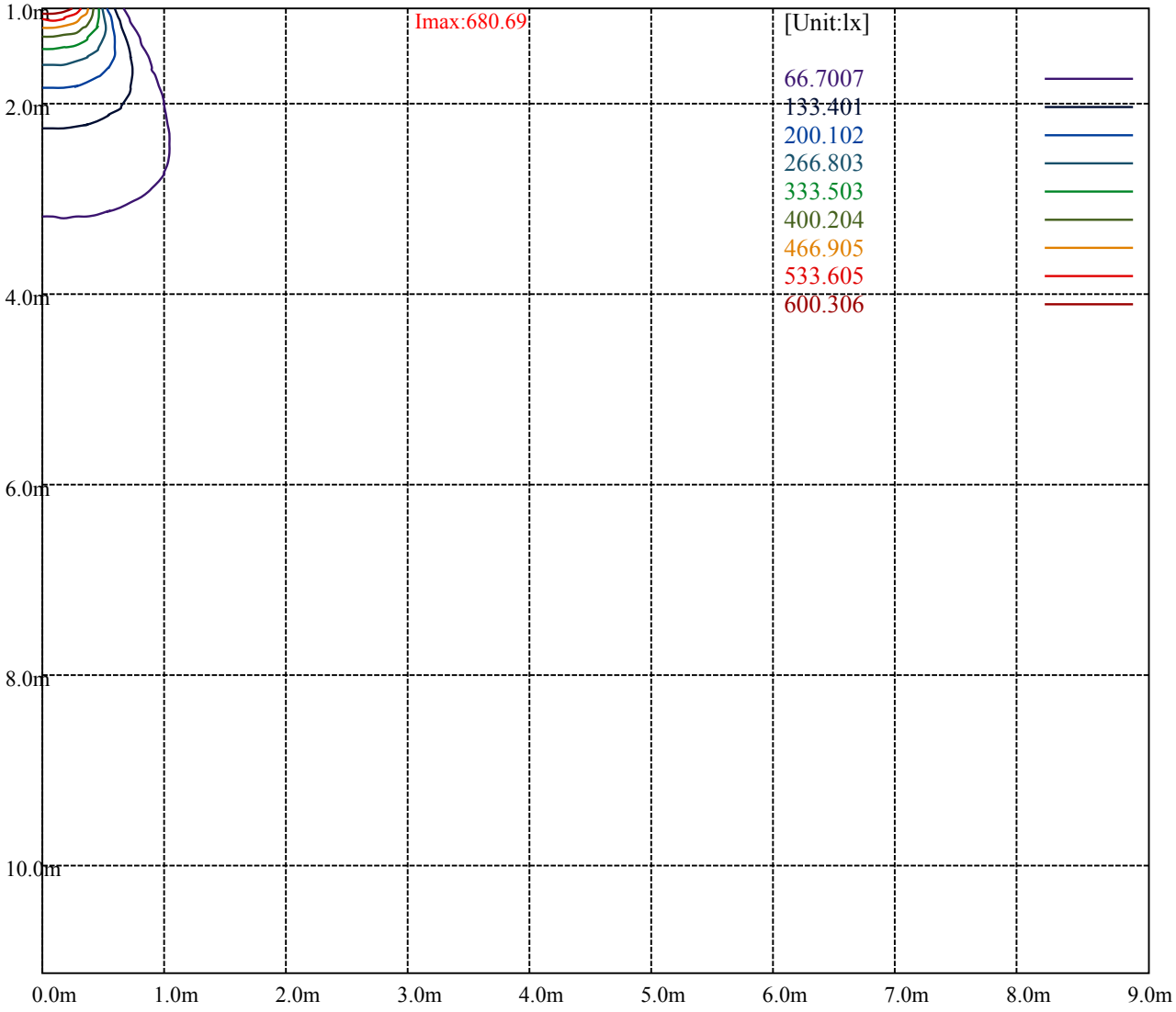
(10%Imax) 68.069
(20%Imax) 136.138
(30%Imax) 204.207
(40%Imax) 272.276
(50%Imax) 340.345
(60%Imax) 408.414
(70%Imax) 476.483
(80%Imax) 544.552
(90%Imax) 612.621

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT NT 61-0212

Luminance Limitting Curve(no luminous side)

Luminance Table

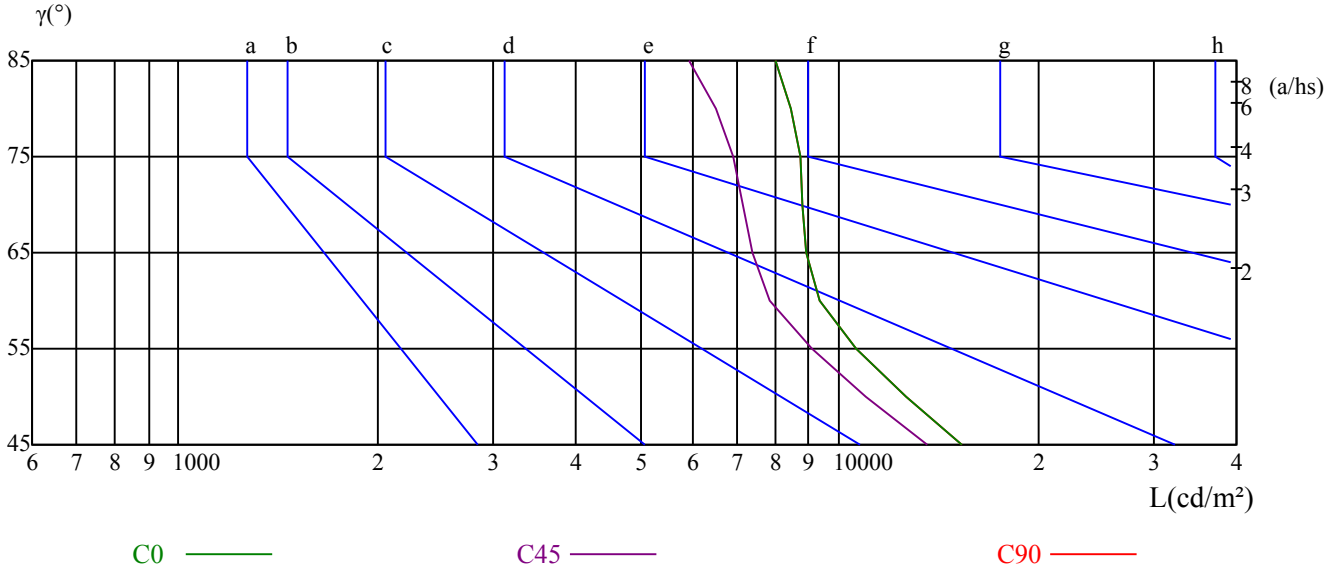
γ	45	50	55	60	65	70	75	80	85
C0	15358	12644	10620	9337	8946	8831	8757	8466	7997
C45	13569	11014	9111	7879	7411	7164	6932	6509	5929
C90	15358	12644	10620	9337	8946	8831	8757	8466	7997

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
17899	17899	17899	24007	24007	24007	50650	50650	50650

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

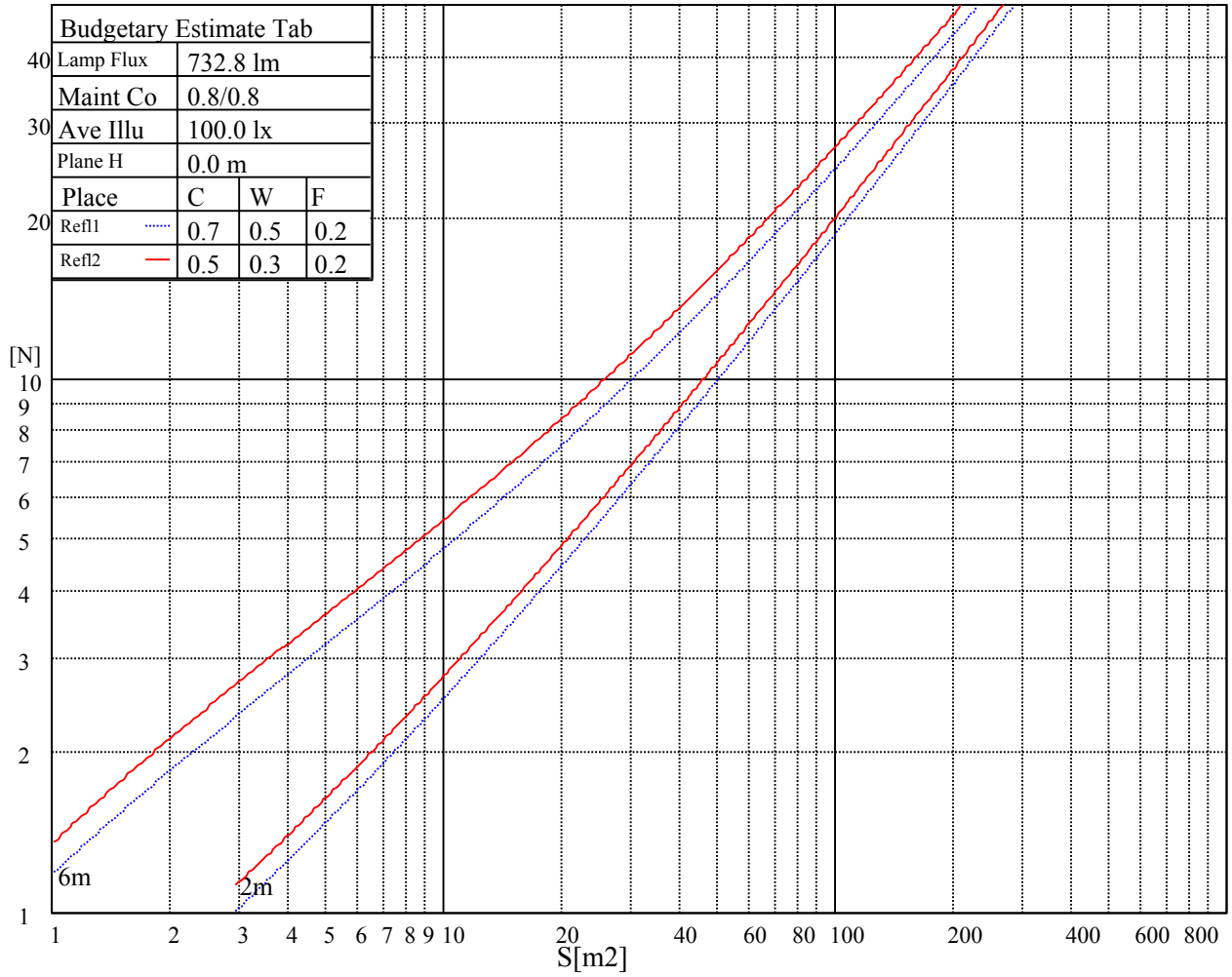
Date: 2024/9/26
Humidity(%): 60.0%

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	17.41	18.48	17.77	18.79	19.11	17.70	18.77	18.06	19.08	19.40
	3H	18.36	19.32	18.75	19.66	20.01	18.46	19.42	18.84	19.75	20.10
	4H	18.98	19.88	19.38	20.23	20.60	18.97	19.86	19.37	20.22	20.58
	6H	19.64	20.46	20.05	20.83	21.23	19.58	20.41	20.00	20.78	21.18
	8H	19.93	20.71	20.35	21.10	21.50	19.88	20.67	20.30	21.05	21.46
	12H	20.20	20.95	20.62	21.34	21.76	20.18	20.92	20.60	21.32	21.73
4H	2H	17.54	18.43	17.94	18.79	19.15	17.79	18.69	18.19	19.04	19.41
	3H	18.74	19.50	19.16	19.89	20.31	18.79	19.55	19.22	19.94	20.36
	4H	19.60	20.26	20.03	20.68	21.13	19.54	20.20	19.98	20.62	21.07
	6H	20.41	21.00	20.88	21.45	21.90	20.33	20.91	20.80	21.36	21.81
	8H	20.83	21.37	21.31	21.83	22.30	20.76	21.30	21.24	21.76	22.23
	12H	21.22	21.73	21.71	22.18	22.69	21.18	21.69	21.67	22.14	22.65
8H	4H	19.81	20.36	20.30	20.82	21.29	19.76	20.31	20.24	20.76	21.24
	6H	20.82	21.27	21.32	21.75	22.26	20.75	21.20	21.25	21.68	22.18
	8H	21.41	21.79	21.94	22.31	22.81	21.35	21.74	21.88	22.26	22.75
	12H	21.95	22.26	22.49	22.77	23.29	21.93	22.24	22.47	22.75	23.27
12H	4H	19.85	20.36	20.34	20.81	21.32	19.80	20.31	20.29	20.76	21.27
	6H	20.96	21.35	21.49	21.87	22.36	20.89	21.28	21.42	21.80	22.29
	8H	21.58	21.88	22.11	22.40	22.92	21.53	21.83	22.06	22.35	22.87
Variation with the observer position at spacings:											
S = 1.0H		3.1/-1.7					3.1/-1.7				
S = 1.5H		4.3/-1.4					4.3/-1.4				
S = 2.0H		5.3/-1.3					5.3/-1.3				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		5.9					5.9				

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

Budgetary Estimate Table

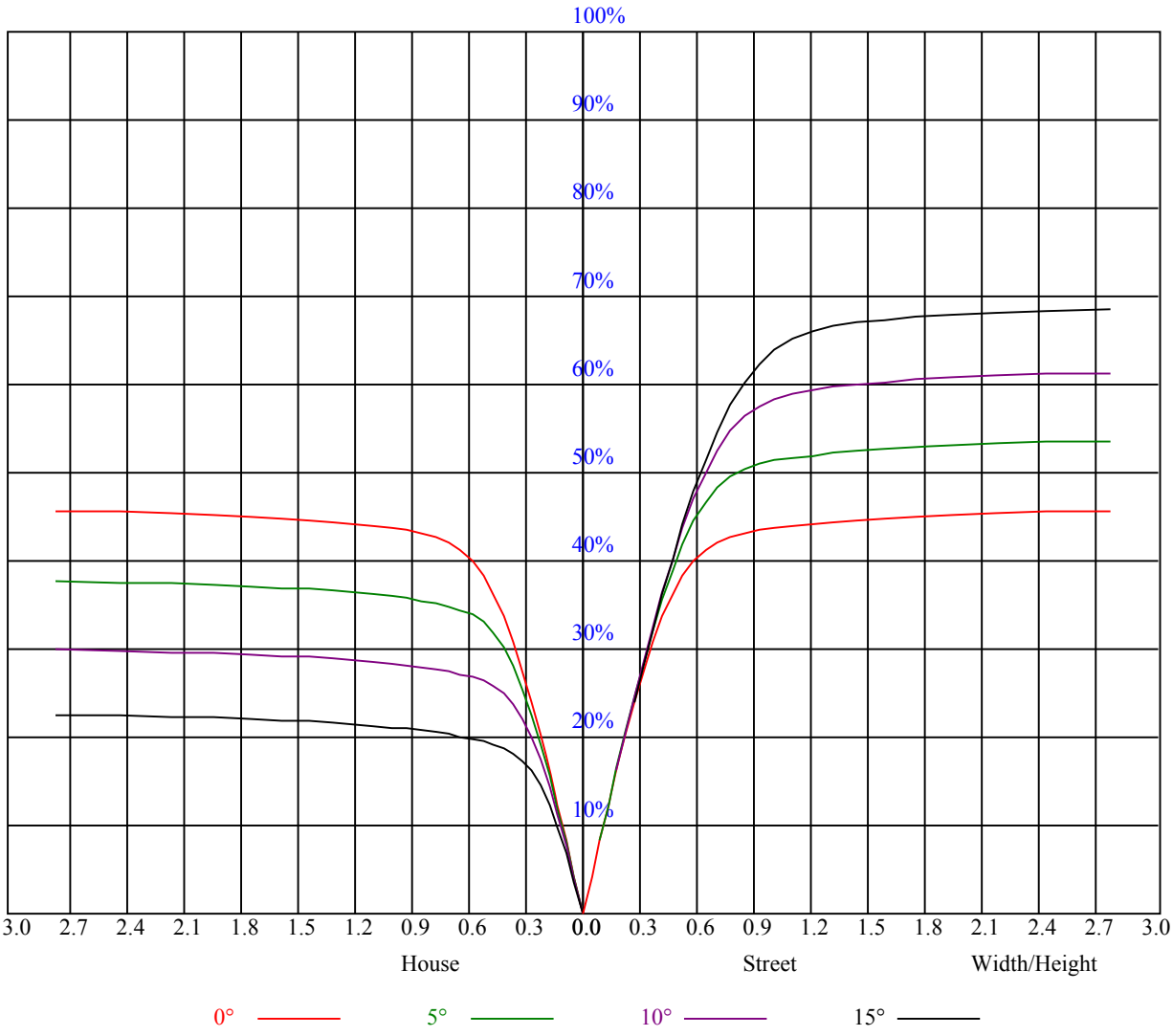


Equipment: GMS1980	Date: 2024/9/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Utilization factor table for indoor luminaire

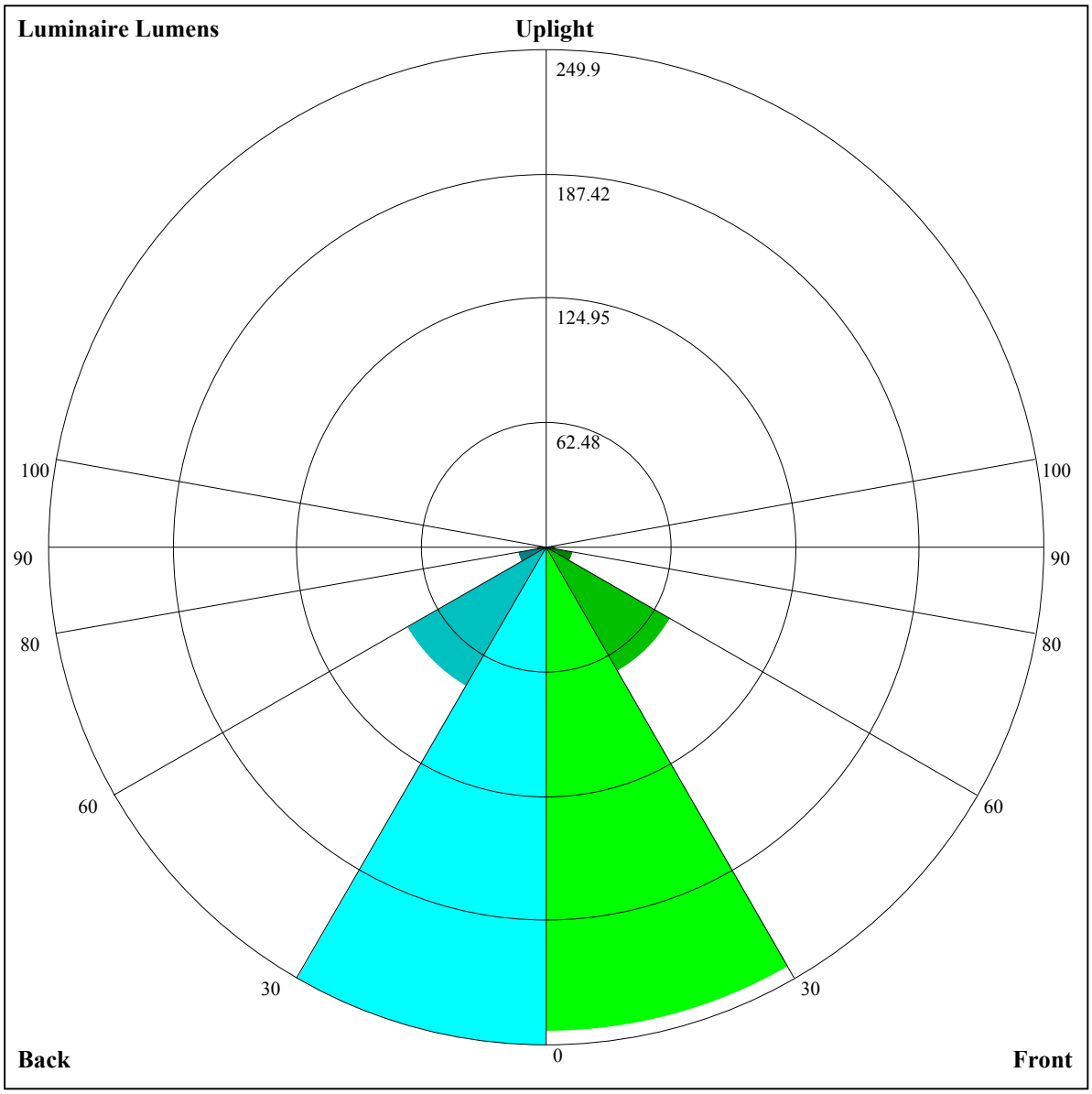
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.02	0.99	0.97	1.00	0.97	0.95	0.96	0.94	0.92	0.93	0.91	0.90	0.89	0.88	0.87	0.85
2	0.94	0.90	0.86	0.92	0.89	0.85	0.89	0.86	0.84	0.87	0.84	0.82	0.84	0.82	0.80	0.78
3	0.87	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.72
4	0.81	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.75	0.71	0.69	0.67
5	0.76	0.70	0.66	0.75	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.63
6	0.71	0.66	0.61	0.71	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.59
7	0.67	0.61	0.57	0.67	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.55
8	0.63	0.58	0.54	0.63	0.57	0.54	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.52
9	0.60	0.54	0.50	0.59	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.57	0.53	0.50	0.48
10	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.51	0.47	0.55	0.50	0.47	0.54	0.50	0.47	0.46

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/9/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=243.38,FM=71.93,FH=14.12,FVH=4.74
BL=249.9,BM=80.4,BH=14.24,BVH=4.88
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	661.36	665.34	668.62	672.48	675.23	678.51	680.50	682.02	682.55
45.0	661.95	661.95	666.16	670.14	674.06	676.93	680.68	685.18	686.47
90.0	667.51	671.66	675.35	678.04	681.08	682.84	685.01	687.11	687.11
135.0	671.19	670.55	672.01	674.06	676.40	679.56	680.79	680.91	683.78
180.0	661.36	660.43	660.78	662.47	665.58	668.15	669.61	673.71	677.40
225.0	661.95	663.29	665.58	668.39	669.79	673.13	676.05	678.22	680.38
270.0	667.51	667.04	668.97	670.49	670.90	670.73	671.66	673.36	673.71
315.0	671.19	673.18	674.82	676.70	675.82	676.93	675.88	674.76	673.07
360.0	661.36	665.34	668.62	672.48	675.23	678.51	680.50	682.02	682.55

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	682.14	682.02	681.32	679.80	677.05	674.47	671.66	666.22	660.78
45.0	687.87	687.41	687.58	686.47	683.84	680.68	677.57	674.00	668.74
90.0	686.06	683.66	681.32	679.27	675.82	671.72	668.27	662.59	656.68
135.0	684.30	682.84	682.61	681.14	678.63	675.88	674.30	669.85	666.40
180.0	679.68	680.62	682.26	683.54	683.13	681.90	681.14	679.21	676.23
225.0	681.67	682.55	682.37	682.66	682.08	680.97	678.10	676.29	673.71
270.0	672.89	672.77	672.95	671.66	670.96	671.14	668.09	667.33	664.46
315.0	670.90	669.67	667.98	664.93	662.88	659.67	657.38	654.69	651.06
360.0	682.14	682.02	681.32	679.80	677.05	674.47	671.66	666.22	660.78

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	655.33	646.38	637.60	619.87	601.85	572.58	545.08	513.53	469.58
45.0	661.71	653.52	645.03	631.57	617.53	599.86	571.65	544.96	513.24
90.0	649.25	640.41	631.22	616.12	601.14	576.04	550.64	523.83	483.75
135.0	663.12	657.38	650.13	638.83	628.53	614.54	597.69	569.72	544.90
180.0	672.25	668.03	661.95	650.30	640.47	627.65	606.82	584.00	557.08
225.0	666.86	659.49	652.76	641.06	622.74	603.95	578.79	551.63	510.84
270.0	663.47	656.92	651.82	641.47	632.75	616.89	592.31	568.78	540.05
315.0	646.15	640.35	630.81	620.28	600.56	580.19	554.62	524.54	481.99
360.0	655.33	646.38	637.60	619.87	601.85	572.58	545.08	513.53	469.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	430.20	390.29	350.32	300.04	259.72	222.39	187.15	148.88	122.60
45.0	479.71	442.25	393.91	355.00	314.85	275.99	228.71	194.35	155.26
90.0	449.63	411.82	373.49	325.27	286.64	249.01	214.19	173.11	144.14
135.0	514.47	479.47	435.29	397.31	358.86	309.23	271.37	234.50	192.48
180.0	518.39	483.57	445.94	394.32	354.30	313.45	271.31	223.26	188.85
225.0	476.84	438.92	388.82	348.15	307.77	256.80	218.70	176.85	146.48
270.0	498.20	462.39	412.47	371.85	330.89	291.27	242.99	207.11	175.22
315.0	444.83	405.62	353.77	311.98	262.65	224.84	190.43	152.63	126.53
360.0	430.20	390.29	350.32	300.04	259.72	222.39	187.15	148.88	122.60

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	100.66	78.95	64.96	52.67	45.88	40.67	37.22	34.18	32.42
45.0	128.52	105.63	81.87	67.36	56.01	46.00	40.61	36.69	33.94
90.0	119.39	94.28	77.66	64.61	52.38	45.12	40.03	35.82	33.59
135.0	161.58	128.11	106.45	87.73	72.74	60.80	49.74	43.42	38.86
180.0	157.02	129.92	101.42	82.98	68.76	54.60	46.47	39.85	36.11
225.0	121.08	98.55	80.70	63.26	52.44	44.95	39.68	35.41	33.24
270.0	146.13	115.58	94.69	78.13	64.84	51.68	44.65	38.45	35.11
315.0	104.05	85.03	67.24	56.06	47.11	41.20	36.69	33.12	31.25
360.0	100.66	78.95	64.96	52.67	45.88	40.67	37.22	34.18	32.42

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	31.02	29.61	28.21	26.98	25.93	24.81	23.70	22.82	21.89
45.0	32.13	30.43	29.32	28.32	26.98	25.98	24.99	23.70	22.77
90.0	32.01	30.55	28.97	27.86	26.69	25.57	24.23	23.17	22.18
135.0	35.52	32.71	31.02	29.55	28.09	26.80	25.40	24.40	23.41
180.0	33.53	31.43	30.14	29.03	27.92	26.69	25.63	24.58	23.58
225.0	31.54	30.02	28.91	27.51	26.45	25.40	23.99	22.94	22.00
270.0	32.89	30.84	29.55	28.38	27.21	25.87	24.87	23.88	22.88
315.0	29.38	28.21	27.10	25.75	24.76	23.76	22.53	21.65	20.78
360.0	31.02	29.61	28.21	26.98	25.93	24.81	23.70	22.82	21.89

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.19	20.42	19.61	18.90	18.32	17.79	17.50	17.21	16.97
45.0	21.65	20.78	19.96	19.20	18.26	17.73	17.15	16.62	16.09
90.0	21.07	20.31	19.31	18.61	17.97	17.38	16.80	16.33	15.98
135.0	22.36	21.48	20.66	19.90	19.14	18.38	17.79	17.21	16.80
180.0	22.41	21.54	20.66	19.66	18.96	18.38	17.62	17.09	16.68
225.0	21.13	20.07	19.31	18.55	17.85	17.09	16.62	16.21	15.80
270.0	21.71	20.78	19.96	18.96	18.26	17.56	16.97	16.56	16.21
315.0	19.96	19.08	18.38	17.85	17.32	16.74	16.33	15.98	15.68
360.0	21.19	20.42	19.61	18.90	18.32	17.79	17.50	17.21	16.97

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.68	16.39	16.15	15.92	15.63	15.39	15.10	14.75	14.46
45.0	15.80	15.45	15.10	14.81	14.51	14.16	13.87	13.58	13.34
90.0	15.68	15.27	14.98	14.69	14.40	14.05	13.81	13.46	13.17
135.0	16.44	16.15	15.86	15.63	15.33	14.92	14.69	14.46	14.16
180.0	16.27	15.98	15.68	15.45	15.16	14.92	14.69	14.57	14.28
225.0	15.45	15.10	14.81	14.51	14.28	13.99	13.69	13.46	13.23
270.0	15.80	15.45	15.16	14.86	14.57	14.28	14.05	13.75	13.46
315.0	15.39	15.10	14.81	14.57	14.34	14.10	13.87	13.64	13.34
360.0	16.68	16.39	16.15	15.92	15.63	15.39	15.10	14.75	14.46

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.16	13.93	13.64	13.28	12.87	12.23	11.70	11.24	10.77
45.0	13.05	12.82	12.58	12.23	12.00	11.70	11.47	11.12	10.83
90.0	12.93	12.64	12.41	12.11	11.82	11.53	11.29	11.00	10.59
135.0	13.87	13.64	13.34	12.99	12.70	12.35	12.11	11.70	11.35
180.0	14.10	13.87	13.64	13.34	12.99	12.64	12.23	11.76	11.41
225.0	12.87	12.64	12.41	12.11	11.76	11.47	11.12	10.83	10.53
270.0	13.23	12.87	12.64	12.35	12.00	11.76	11.41	11.06	10.77
315.0	12.99	12.82	12.47	12.23	11.88	11.59	11.24	10.94	10.59
360.0	14.16	13.93	13.64	13.28	12.87	12.23	11.70	11.24	10.77

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	9.89	9.48	9.01	8.60	8.66	7.55	7.02	6.61
45.0	10.48	10.12	9.77	9.36	8.95	8.60	8.25	7.37	6.96
90.0	10.36	10.01	9.60	9.25	8.95	9.01	7.96	7.26	6.79
135.0	11.06	10.65	10.12	9.77	9.31	8.90	8.90	7.84	7.14
180.0	11.06	10.65	10.30	9.95	9.48	9.01	9.13	8.19	7.37
225.0	10.18	9.89	9.48	9.07	8.60	8.25	7.55	6.96	6.61
270.0	10.48	10.07	9.71	9.36	8.90	8.78	8.31	7.32	6.73
315.0	10.24	9.95	9.48	9.01	8.72	8.19	7.49	6.96	6.73
360.0	10.36	9.89	9.48	9.01	8.60	8.66	7.55	7.02	6.61

Intensity data(cd)

C/γ(°)	90.0
0.0	6.44
45.0	6.55
90.0	6.50
135.0	6.73
180.0	6.73
225.0	6.32
270.0	6.50
315.0	6.55
360.0	6.44