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

NT

Client:
LumCAT: 1-1282-L
Luminaire: 92.70.427.00
Report No: 2024617-B003
Ballast type: AC

Test No: 2024717-C003	Voltage(V): 35.420
LampCAT: CITIZEN CLU028 LES9.8	Current(A): 0.360
Lamp flux(lm): 1630.0	Power (W): 12.751
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1466.27, Efficiency(%): 89.96% , Luminous Efficacy(lm/W): 114.99
Central intensity(cd): 6712.150, Maximum intensity(cd): 6712.150
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.6
[C90/270]Total=20.6
Field angle(10%Imax): [C0/180]Total=50.0
[C90/270]Total=50.0
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.96%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.035%

NT 1-1282-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6712.150	0.000	0	0.00%	0.00%
1.0	6666.649	6.402	6.402	0.39%	0.44%
2.0	6543.093	18.960	25.361	1.16%	1.73%
3.0	6346.531	30.828	56.189	1.89%	3.83%
4.0	6041.409	41.466	97.656	2.54%	6.66%
5.0	5682.520	50.436	148.091	3.09%	10.10%
6.0	5280.251	57.612	205.704	3.53%	14.03%
7.0	4843.527	62.838	268.542	3.86%	18.31%
8.0	4368.105	65.926	334.468	4.04%	22.81%
9.0	3895.536	66.972	401.44	4.11%	27.38%
10.0	3459.543	66.561	468.001	4.08%	31.92%
11.0	3046.667	65.010	533.011	3.99%	36.35%
12.0	2695.532	62.770	595.781	3.85%	40.63%
13.0	2353.833	59.923	655.705	3.68%	44.72%
14.0	2079.436	56.745	712.45	3.48%	48.59%
15.0	1858.733	54.065	766.515	3.32%	52.28%
16.0	1620.437	50.980	817.495	3.13%	55.75%
17.0	1451.109	47.832	865.327	2.93%	59.02%
18.0	1330.451	45.862	911.189	2.81%	62.14%
19.0	1196.829	43.969	955.158	2.70%	65.14%
20.0	1099.250	42.025	997.183	2.58%	68.01%
21.0	1003.676	40.380	1037.563	2.48%	70.76%
22.0	912.878	38.514	1076.077	2.36%	73.39%
23.0	830.434	36.579	1112.657	2.24%	75.88%
24.0	749.103	34.534	1147.191	2.12%	78.24%
25.0	670.887	32.287	1179.479	1.98%	80.44%
26.0	597.734	29.946	1209.425	1.84%	82.48%
27.0	527.412	27.527	1236.951	1.69%	84.36%
28.0	463.352	25.084	1262.036	1.54%	86.07%
29.0	399.080	22.564	1284.599	1.38%	87.61%
30.0	341.069	19.984	1304.583	1.23%	88.97%
31.0	296.629	17.746	1322.329	1.09%	90.18%
32.0	251.398	15.700	1338.03	0.96%	91.25%
33.0	203.205	13.393	1351.422	0.82%	92.17%
34.0	180.483	11.612	1363.034	0.71%	92.96%
35.0	143.790	10.071	1373.105	0.62%	93.65%
36.0	116.335	8.282	1381.387	0.51%	94.21%
37.0	94.485	6.876	1388.263	0.42%	94.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	78.237	5.765	1394.028	0.35%	95.07%
39.0	63.899	4.852	1398.88	0.30%	95.40%
40.0	53.541	4.096	1402.975	0.25%	95.68%
41.0	44.953	3.507	1406.483	0.22%	95.92%
42.0	37.908	3.010	1409.493	0.18%	96.13%
43.0	32.546	2.610	1412.103	0.16%	96.31%
44.0	28.552	2.306	1414.409	0.14%	96.46%
45.0	25.479	2.076	1416.485	0.13%	96.60%
46.0	22.897	1.892	1418.377	0.12%	96.73%
47.0	20.783	1.737	1420.115	0.11%	96.85%
48.0	19.269	1.619	1421.734	0.10%	96.96%
49.0	18.032	1.532	1423.265	0.09%	97.07%
50.0	16.906	1.457	1424.722	0.09%	97.17%
51.0	16.050	1.394	1426.116	0.09%	97.26%
52.0	15.384	1.349	1427.465	0.08%	97.35%
53.0	14.806	1.313	1428.779	0.08%	97.44%
54.0	14.331	1.284	1430.063	0.08%	97.53%
55.0	13.943	1.262	1431.325	0.08%	97.62%
56.0	13.614	1.245	1432.57	0.08%	97.70%
57.0	13.350	1.233	1433.803	0.08%	97.79%
58.0	13.109	1.224	1435.027	0.08%	97.87%
59.0	12.926	1.217	1436.244	0.07%	97.95%
60.0	12.736	1.212	1437.456	0.07%	98.03%
61.0	12.612	1.210	1438.666	0.07%	98.12%
62.0	12.465	1.208	1439.874	0.07%	98.20%
63.0	12.326	1.206	1441.08	0.07%	98.28%
64.0	12.143	1.201	1442.281	0.07%	98.36%
65.0	11.946	1.192	1443.473	0.07%	98.45%
66.0	11.690	1.179	1444.652	0.07%	98.53%
67.0	11.346	1.158	1445.81	0.07%	98.60%
68.0	10.958	1.130	1446.94	0.07%	98.68%
69.0	10.607	1.100	1448.04	0.07%	98.76%
70.0	10.190	1.068	1449.108	0.07%	98.83%
71.0	9.861	1.036	1450.145	0.06%	98.90%
72.0	9.517	1.008	1451.152	0.06%	98.97%
73.0	9.254	0.982	1452.134	0.06%	99.04%
74.0	9.027	0.961	1453.095	0.06%	99.10%
75.0	8.793	0.942	1454.037	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.595	0.923	1454.96	0.06%	99.23%
77.0	8.420	0.907	1455.867	0.06%	99.29%
78.0	8.259	0.893	1456.76	0.05%	99.35%
79.0	8.083	0.878	1457.638	0.05%	99.41%
80.0	7.915	0.863	1458.5	0.05%	99.47%
81.0	7.783	0.849	1459.349	0.05%	99.53%
82.0	7.645	0.837	1460.186	0.05%	99.59%
83.0	7.513	0.824	1461.01	0.05%	99.64%
84.0	7.367	0.811	1461.82	0.05%	99.70%
85.0	7.191	0.795	1462.615	0.05%	99.75%
86.0	6.869	0.769	1463.383	0.05%	99.80%
87.0	6.686	0.742	1464.125	0.05%	99.85%
88.0	6.562	0.726	1464.851	0.04%	99.90%
89.0	6.467	0.714	1465.565	0.04%	99.95%
90.0	6.386	0.705	1466.27	0.04%	100.00%

Zonal flux distribution table

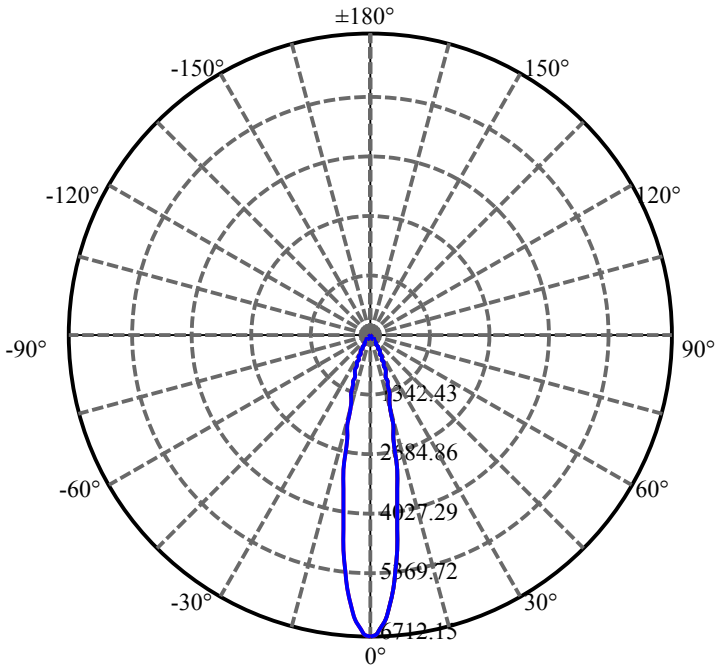
ZONAL LUMEN SUMMARY

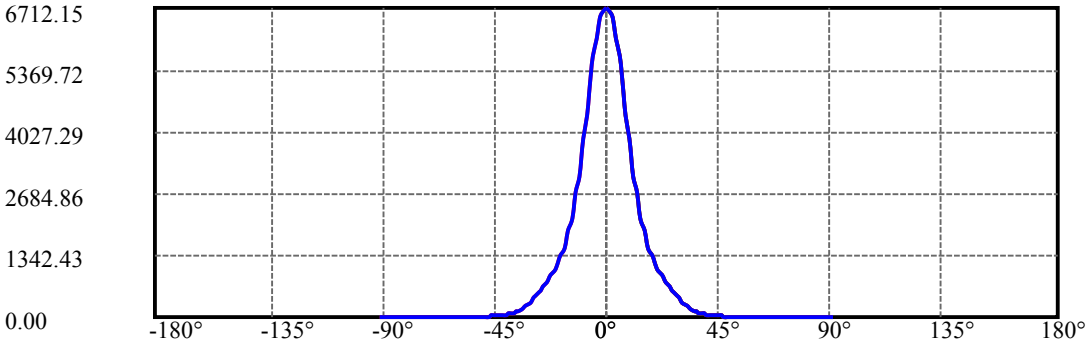
Zone	Lumens	%Lamp	%Fixt
0-30	1304.58	80.04%	88.97%
0-40	1402.98	86.07%	95.68%
0-60	1437.46	88.19%	98.03%
0-90	1465.57	89.91%	99.95%
0-120	1465.57	89.91%	99.95%
0-180	1466.27	89.96%	100.00%
60-90	28.11	1.72%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.80	1173.02	71.96%	80.00%

ZONAL LUMEN SUMMARY

0-10	468.00
10-20	529.18
20-30	307.40
30-40	98.39
40-50	21.75
50-60	12.73
60-70	11.65
70-80	9.39
80-90	7.06
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):

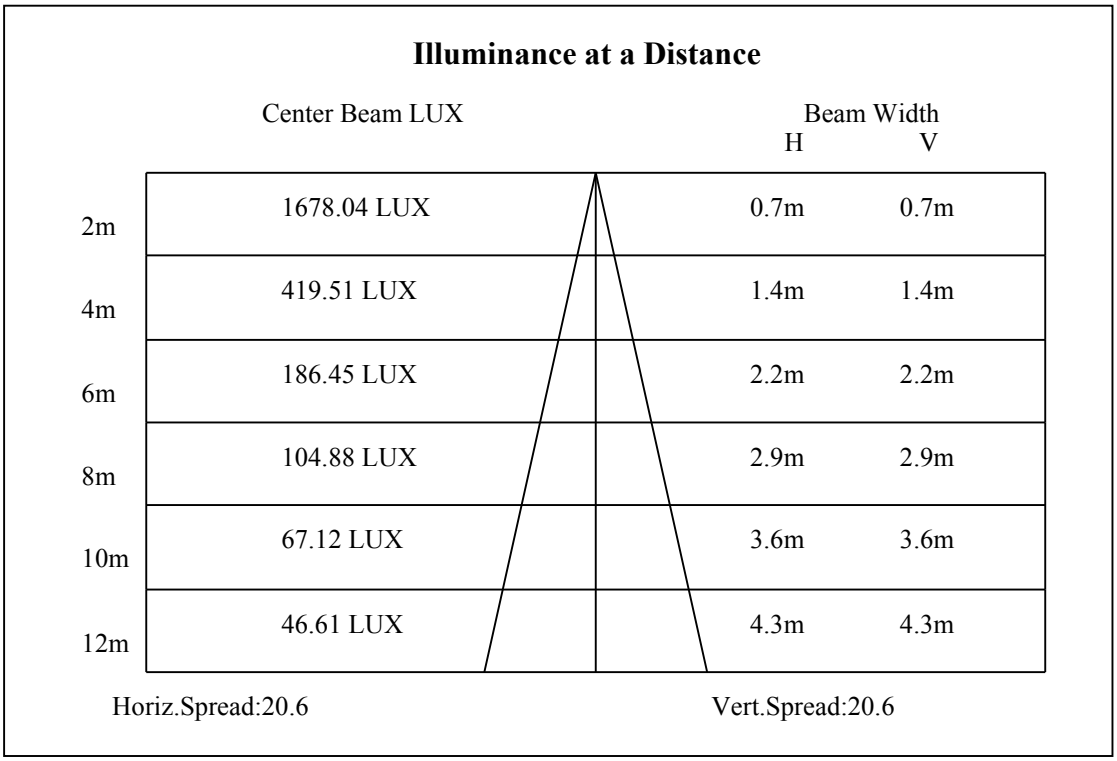
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.0 Right:25.0
:C90/270Left:25.0 Right:25.0

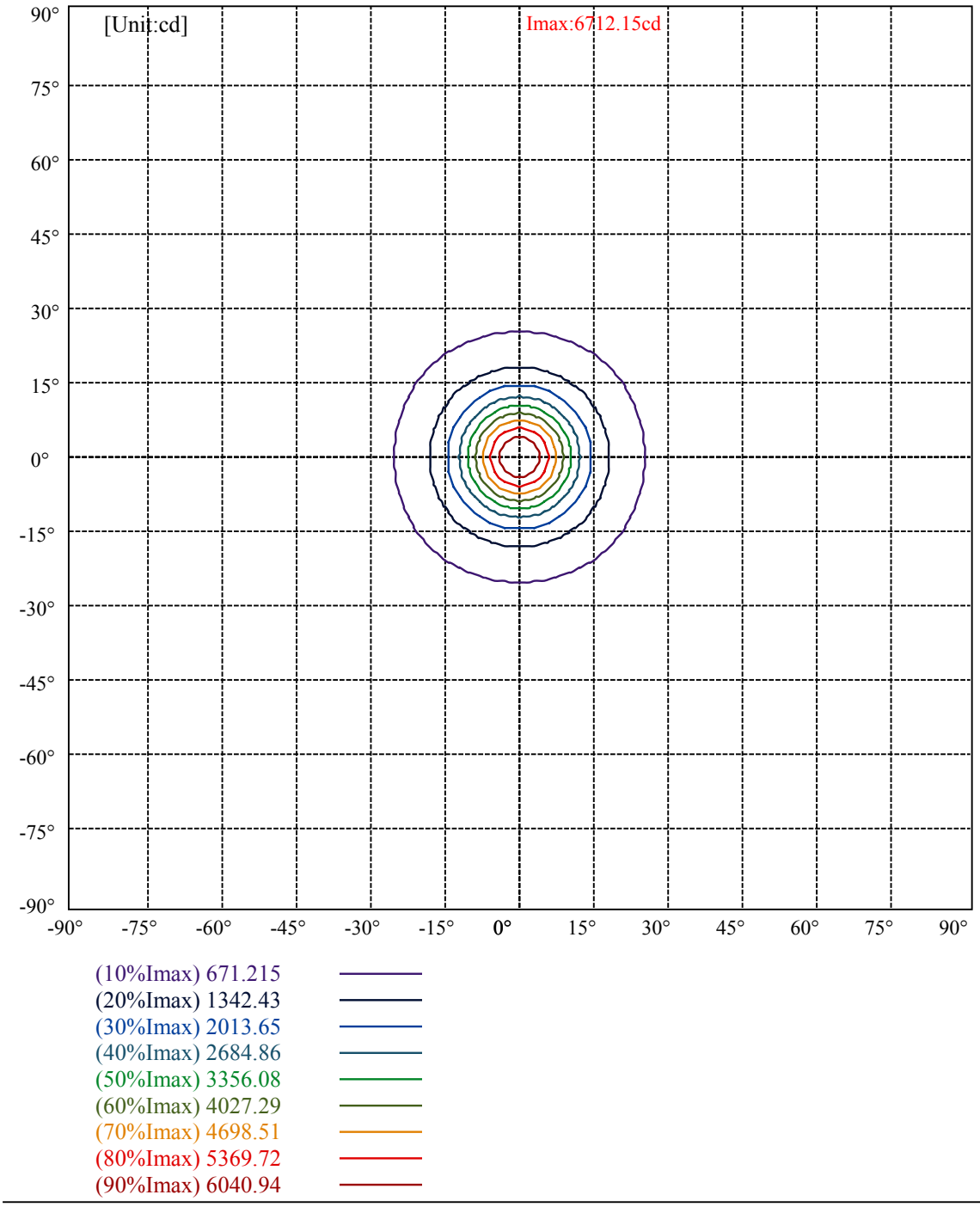
Beam Angle(50%Imax):C0/180Left:10.3 Right:10.3
:C90/270Left:10.3 Right:10.3

Lux distance Curve



Equipment: GMS1980 Date: 2024/7/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

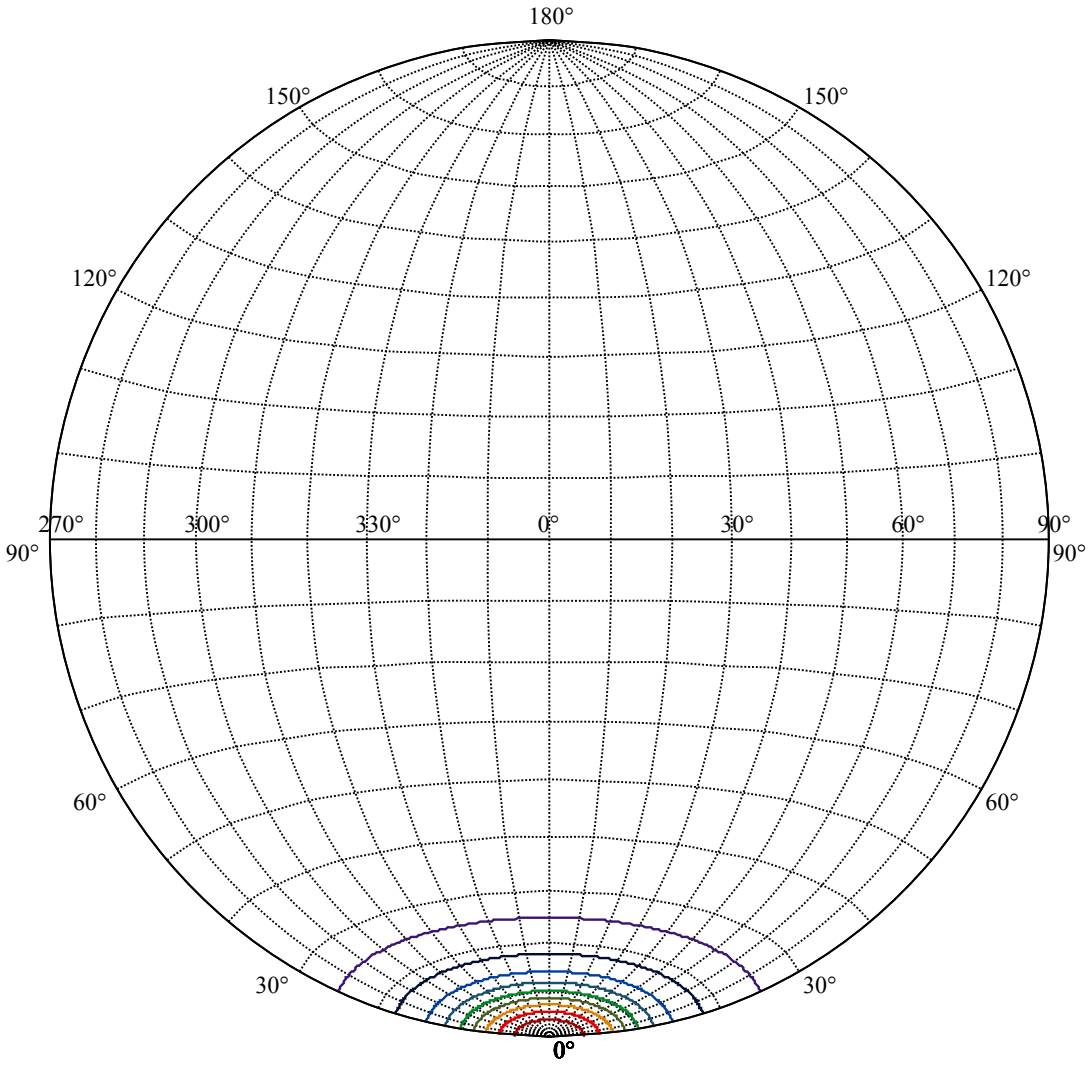


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6712.15

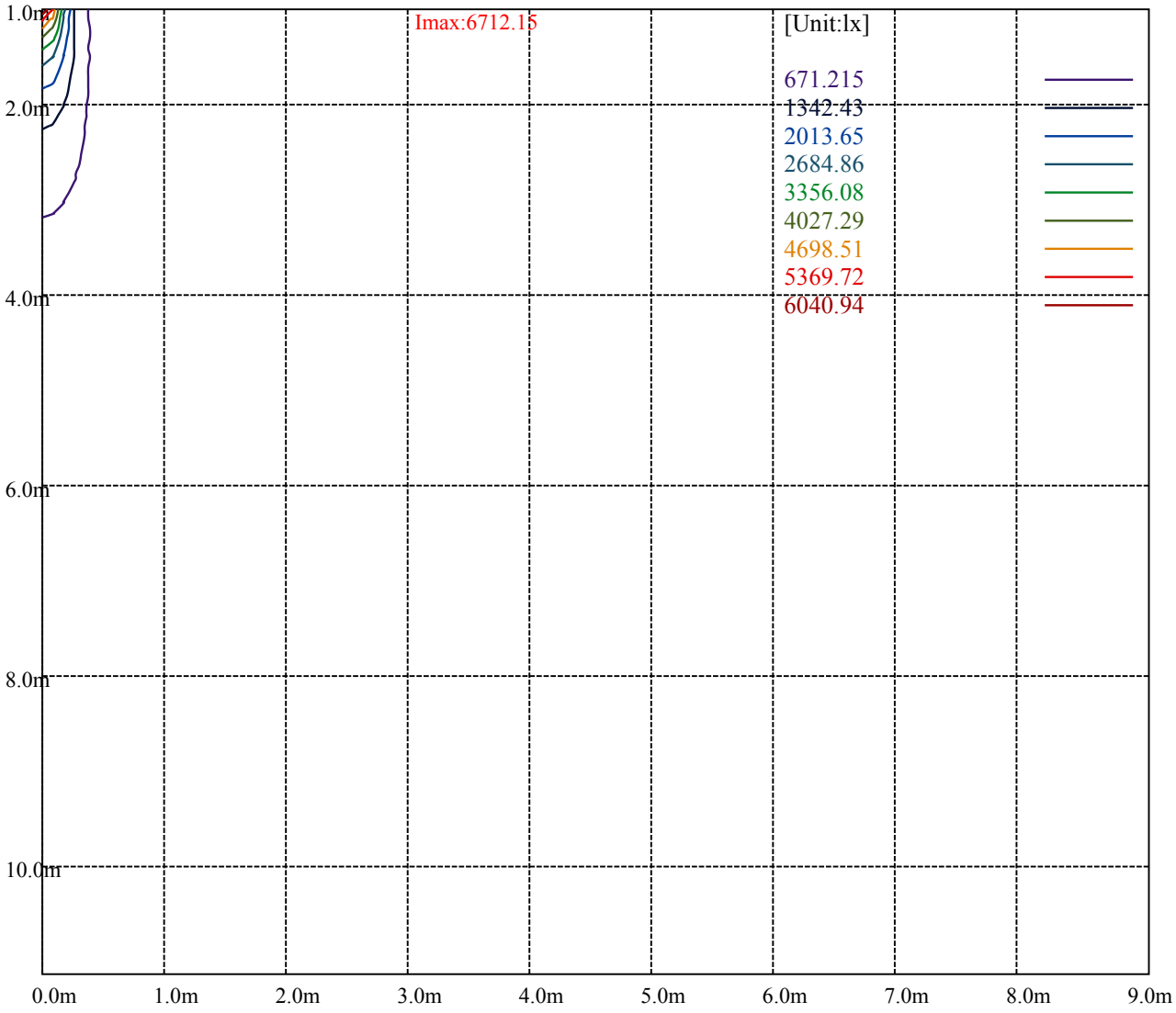
(10%Imax) 671.215
(20%Imax) 1342.43
(30%Imax) 2013.65
(40%Imax) 2684.86
(50%Imax) 3356.08
(60%Imax) 4027.29
(70%Imax) 4698.51
(80%Imax) 5369.72
(90%Imax) 6040.94

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1282-L

Luminance Limitting Curve(no luminous side)

Luminance Table

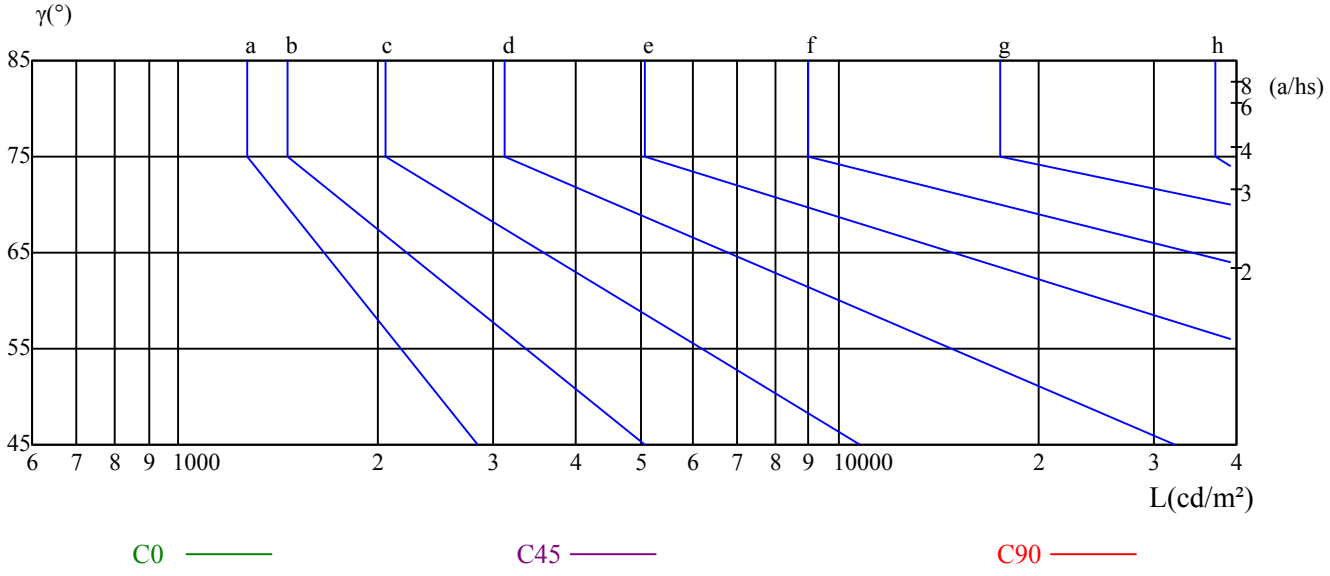
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

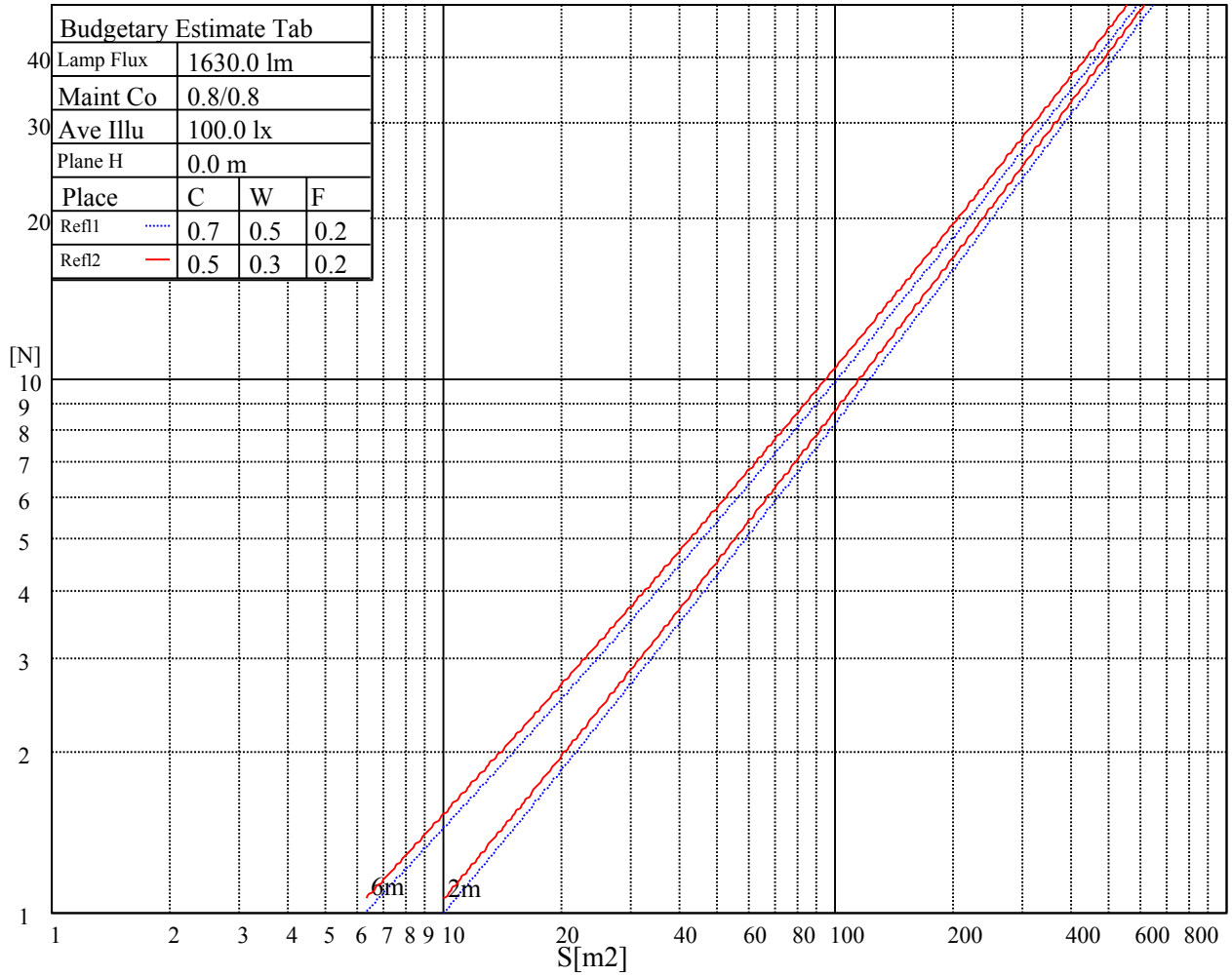
Luminance Limitting Curve



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

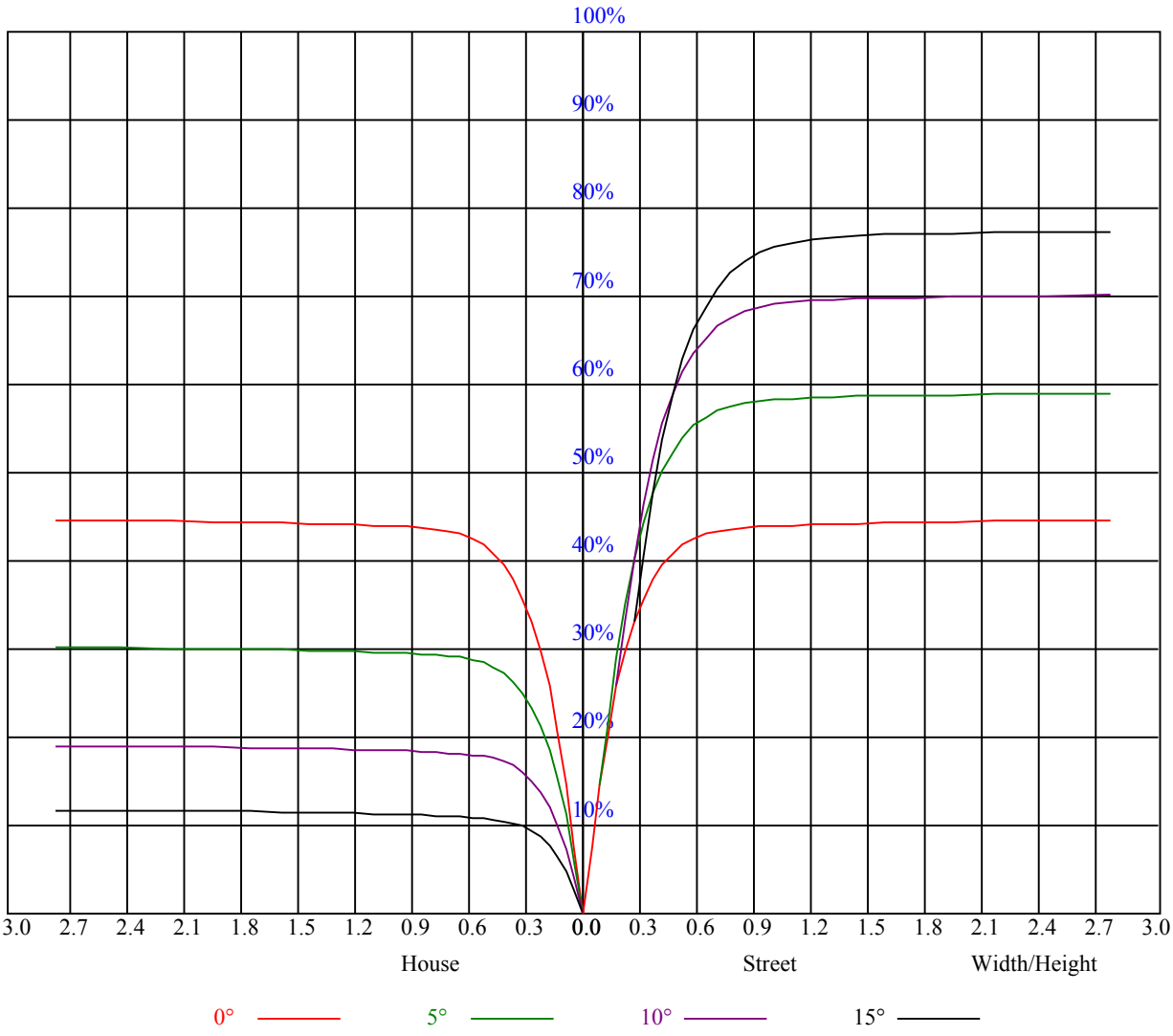


Equipment: GMS1980 Date: 2024/7/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

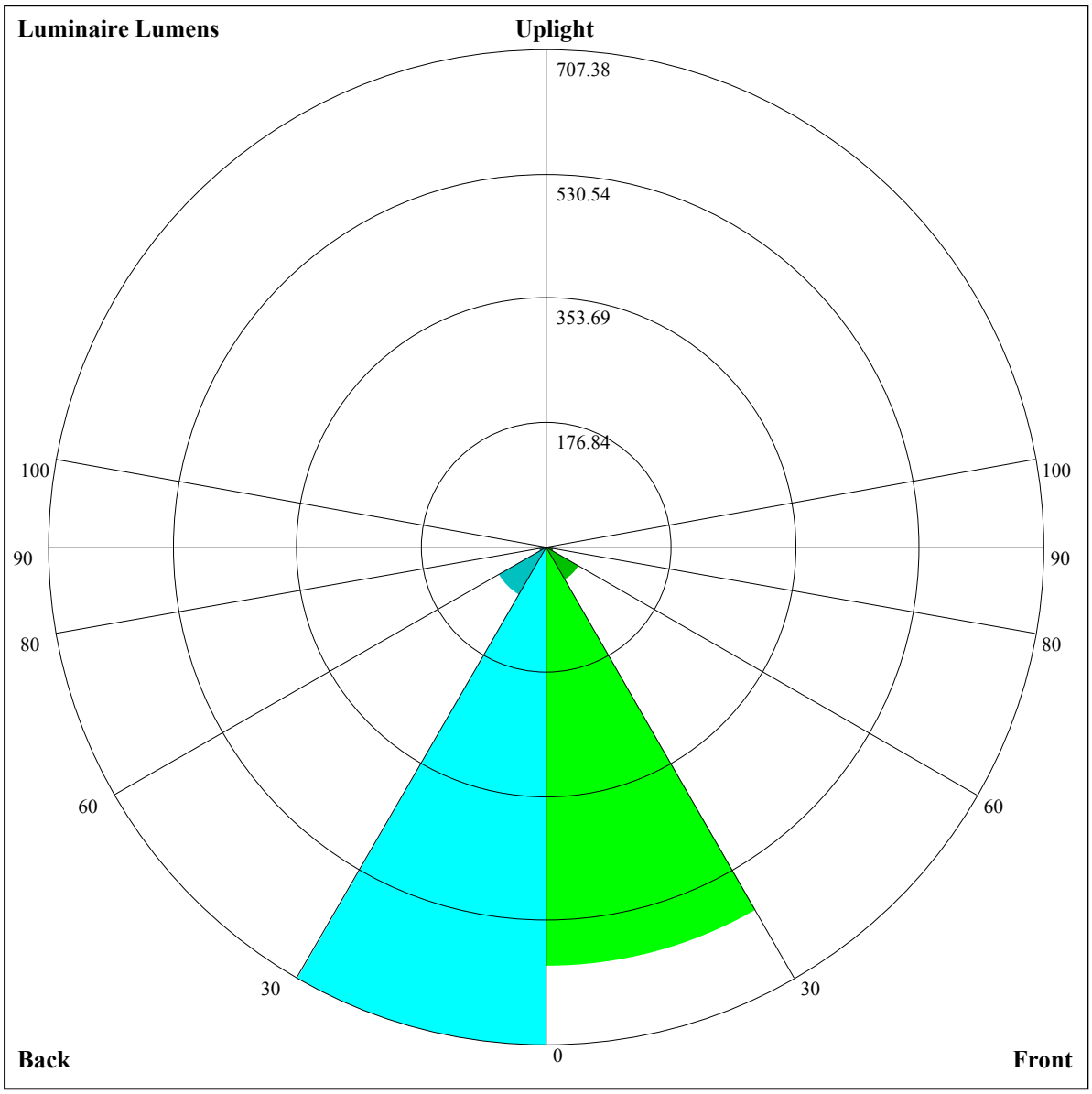
Utilization factor table for indoor luminaire

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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.86	0.85	0.86	0.84	0.83	0.82
3	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.86	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.70
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
8	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.71	0.67	0.65	0.71	0.67	0.65	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	0.63	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: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=596.24,FM=54.43,FH=10.45,FVH=3.88
BL=707.38,BM=77.81,BH=10.44,BVH=3.87
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	6655.82	6496.64	6281.28	5962.33	5502.93	5082.74	4643.23	4189.68	3739.06
45.0	6771.11	6701.47	6517.12	6291.81	5895.62	5507.61	5084.49	4626.26	4076.74
90.0	6706.15	6558.09	6349.75	6075.28	5639.29	5235.48	4813.53	4256.40	3816.90
135.0	6715.52	6737.75	6691.52	6539.95	6336.29	6061.82	5642.80	5255.38	4733.36
180.0	6655.82	6749.46	6737.75	6647.63	6482.60	6253.19	5891.52	5529.85	5133.07
225.0	6771.11	6766.43	6659.33	6504.83	6280.69	5885.08	5504.68	5099.12	4654.94
270.0	6706.15	6756.48	6721.95	6627.15	6404.76	6137.31	5802.56	5396.42	4863.86
315.0	6715.52	6566.87	6386.03	6123.27	5789.10	5296.93	4859.18	4395.10	3926.92
360.0	6655.82	6496.64	6281.28	5962.33	5502.93	5082.74	4643.23	4189.68	3739.06

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3217.63	2837.23	2411.77	2123.84	1871.02	1612.35	1440.30	1148.62	1148.62
45.0	3655.37	3255.67	2895.75	2489.02	2208.11	1969.34	1720.03	1549.15	1391.72
90.0	3408.41	2945.50	2621.28	2325.74	2081.70	1818.35	1644.54	1485.36	1163.08
135.0	4302.63	3891.80	3496.19	3126.92	2711.41	2424.65	2178.27	1955.88	1716.52
180.0	4610.46	4171.54	3743.16	3344.62	2893.41	2573.29	2308.19	2076.44	1834.74
225.0	4194.37	3654.20	3260.35	2900.43	2508.92	2243.81	2015.57	1770.36	1607.09
270.0	4407.97	3953.25	3412.51	3015.14	2580.32	2287.12	2037.23	1825.96	1595.38
315.0	3367.44	2967.15	2532.33	2238.54	1975.78	1706.57	1525.74	1151.72	1151.72
360.0	3217.63	2837.23	2411.77	2123.84	1871.02	1612.35	1440.30	1148.62	1148.62

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1052.12	963.69	881.88	781.92	706.48	634.50	565.09	482.81	422.65
45.0	1224.35	1113.16	995.53	912.42	835.17	759.10	667.22	597.57	531.44
90.0	1163.08	1117.60	1029.64	930.92	853.38	778.47	689.86	620.57	536.71
135.0	1568.46	1399.92	1284.63	1192.75	1084.48	1009.57	935.25	842.78	768.46
180.0	1672.63	1532.76	1367.14	1261.22	1171.09	1052.29	976.80	880.24	801.82
225.0	1426.84	1159.21	1159.21	1087.06	978.44	897.91	819.61	745.40	673.48
270.0	1438.54	1296.92	1175.78	1049.37	958.66	870.87	766.70	690.62	618.64
315.0	1097.59	991.37	900.19	813.76	715.32	640.76	572.29	507.10	428.68
360.0	1052.12	963.69	881.88	781.92	706.48	634.50	565.09	482.81	422.65

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	365.47	300.92	256.39	216.36	174.57	146.83	117.75	98.32	82.17
45.0	466.48	405.62	337.15	302.03	302.03	197.45	166.15	139.69	111.49
90.0	471.22	410.13	354.41	293.20	250.77	212.50	178.73	143.15	119.39
135.0	694.72	622.15	551.93	468.24	407.38	351.78	302.03	302.03	207.05
180.0	728.08	657.27	584.70	495.16	431.37	371.09	318.42	306.13	251.18
225.0	585.58	520.15	452.85	392.74	326.44	279.62	226.83	191.43	160.70
270.0	537.30	471.75	395.09	341.83	304.96	304.96	193.01	164.80	136.30
315.0	370.45	318.83	260.13	218.99	175.51	146.95	122.72	98.32	82.05
360.0	365.47	300.92	256.39	216.36	174.57	146.83	117.75	98.32	82.17

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	69.35	58.99	48.81	42.19	37.34	33.36	29.50	26.86	24.70
45.0	92.52	73.80	61.62	51.56	43.54	35.93	31.49	27.86	24.99
90.0	99.66	83.28	66.36	55.60	45.24	38.98	33.94	29.44	26.69
135.0	174.40	138.93	115.52	91.53	76.37	64.20	52.14	44.54	38.22
180.0	184.17	147.07	122.31	97.38	80.00	65.78	52.09	43.42	36.64
225.0	127.58	105.52	87.49	69.17	57.35	47.75	40.15	32.83	28.56
270.0	114.00	90.01	76.08	62.91	53.08	42.72	36.46	31.49	26.80
315.0	69.00	58.29	47.70	40.85	35.41	30.90	27.51	23.94	21.83
360.0	69.35	58.99	48.81	42.19	37.34	33.36	29.50	26.86	24.70

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	22.53	21.07	19.61	18.61	17.73	16.85	16.27	15.74	15.33
45.0	22.65	20.42	18.96	17.79	16.62	15.92	15.22	14.75	14.34
90.0	24.46	22.59	20.83	19.72	18.73	17.85	16.85	16.09	15.39
135.0	33.71	29.20	26.22	23.76	21.71	19.66	18.38	17.38	16.33
180.0	31.43	27.45	23.70	21.48	19.78	18.38	17.03	16.21	15.51
225.0	25.22	22.65	19.96	18.20	16.91	15.63	14.81	13.99	13.46
270.0	24.17	21.48	19.72	18.32	17.15	16.04	15.39	14.81	14.34
315.0	19.66	18.32	17.26	16.27	15.63	14.92	14.46	14.10	13.75
360.0	22.53	21.07	19.61	18.61	17.73	16.85	16.27	15.74	15.33

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.86	14.40	14.10	13.87	13.64	13.52	13.40	13.34	13.23
45.0	13.93	13.69	13.46	13.28	13.11	12.93	12.82	12.70	12.70
90.0	14.69	14.16	13.75	13.28	12.93	12.70	12.35	12.17	11.94
135.0	15.68	15.16	14.63	14.22	13.81	13.46	13.28	13.05	12.87
180.0	15.10	14.75	14.40	14.16	13.99	13.81	13.58	13.46	13.23
225.0	13.05	12.64	12.35	12.11	11.94	11.76	11.59	11.47	11.35
270.0	13.87	13.58	13.28	13.11	12.82	12.64	12.35	12.23	12.06
315.0	13.46	13.17	12.93	12.76	12.64	12.58	12.52	12.47	12.35
360.0	14.86	14.40	14.10	13.87	13.64	13.52	13.40	13.34	13.23

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.05	12.82	12.58	12.23	11.82	11.24	10.71	10.36	10.07
45.0	12.58	12.41	12.11	11.82	11.47	11.00	10.71	10.30	9.89
90.0	11.76	11.53	11.24	11.00	10.53	10.18	9.89	9.48	9.31
135.0	12.76	12.58	12.47	12.23	11.94	11.65	11.24	10.71	10.36
180.0	13.11	12.93	12.82	12.58	12.29	11.94	11.59	11.00	10.65
225.0	11.24	11.12	11.00	10.77	10.59	10.18	9.83	9.54	9.25
270.0	11.88	11.76	11.65	11.47	11.18	10.89	10.53	10.12	9.71
315.0	12.23	12.00	11.70	11.41	10.94	10.59	10.36	10.01	9.66
360.0	13.05	12.82	12.58	12.23	11.82	11.24	10.71	10.36	10.07

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.77	9.60	9.36	9.13	8.95	8.78	8.60	8.43	8.25
45.0	9.66	9.36	9.13	8.84	8.66	8.54	8.43	8.19	8.02
90.0	9.07	8.84	8.66	8.49	8.31	8.19	8.02	7.84	7.67
135.0	9.89	9.54	9.31	9.01	8.78	8.60	8.43	8.25	8.08
180.0	10.12	9.77	9.48	9.19	8.90	8.66	8.43	8.25	8.08
225.0	8.90	8.66	8.49	8.31	8.13	7.96	7.84	7.67	7.55
270.0	9.36	9.13	8.84	8.66	8.49	8.25	8.13	7.96	7.78
315.0	9.36	9.13	8.95	8.72	8.54	8.37	8.19	8.08	7.90
360.0	9.77	9.60	9.36	9.13	8.95	8.78	8.60	8.43	8.25

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.08	7.96	7.84	7.67	7.49	6.96	6.85	6.67	6.73
45.0	7.90	7.72	7.55	7.37	7.26	6.85	6.50	6.38	6.26
90.0	7.55	7.43	7.32	7.20	7.02	6.61	6.44	6.32	6.26
135.0	7.90	7.72	7.61	7.43	7.26	7.08	6.85	6.73	6.61
180.0	7.96	7.84	7.67	7.55	7.37	7.20	7.08	7.02	6.85
225.0	7.43	7.32	7.20	7.02	6.91	6.73	6.61	6.50	6.38
270.0	7.67	7.49	7.37	7.26	7.08	6.79	6.55	6.44	6.38
315.0	7.78	7.67	7.55	7.43	7.14	6.73	6.61	6.44	6.26
360.0	8.08	7.96	7.84	7.67	7.49	6.96	6.85	6.67	6.73

Intensity data(cd)

C/γ(°)	90.0
0.0	6.61
45.0	6.26
90.0	6.26
135.0	6.44
180.0	6.67
225.0	6.32
270.0	6.26
315.0	6.26
360.0	6.61