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

NT

Client: NT
LumCAT: 62-0214-1
Luminaire: 92.70.427.00
Report No: 20250226-B002
Ballast type: AC

Test No: 20250226-C002	Voltage(V): 36.920
LampCAT: CITIZEN CLU028	Current(A): 0.360
Lamp flux(lm): 1484.0	Power (W): 12.930
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 24

Photometric Results

Lumens(lm): 1394.46, Efficiency(%): 93.97% , Luminous Efficacy(lm/W): 107.85
Central intensity(cd): 8045.085, Maximum intensity(cd): 8045.085
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.4
[C90/270]Total=19.4
Field angle(10%Imax): [C0/180]Total=41.6
[C90/270]Total=41.6
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
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(%): 93.97%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.080%

Equipment: GMS 1800	Date: 2025/2/27	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8045.085	0.000	0	0.00%	0.00%
1.0	7973.276	7.664	7.664	0.52%	0.55%
2.0	7773.172	22.601	30.265	1.52%	2.17%
3.0	7428.852	36.358	66.624	2.45%	4.78%
4.0	7021.517	48.370	114.994	3.26%	8.25%
5.0	6550.167	58.385	173.378	3.93%	12.43%
6.0	6038.983	66.159	239.538	4.46%	17.18%
7.0	5414.224	71.090	310.627	4.79%	22.28%
8.0	4883.722	73.700	384.328	4.97%	27.56%
9.0	4372.471	75.016	459.344	5.06%	32.94%
10.0	3868.281	74.576	533.92	5.03%	38.29%
11.0	3419.379	72.819	606.739	4.91%	43.51%
12.0	2994.525	70.113	676.852	4.72%	48.54%
13.0	2636.616	66.827	743.679	4.50%	53.33%
14.0	2308.283	63.294	806.974	4.27%	57.87%
15.0	2003.664	59.196	866.17	3.99%	62.11%
16.0	1738.593	54.835	921.005	3.70%	66.05%
17.0	1482.514	50.161	971.166	3.38%	69.64%
18.0	1299.124	45.863	1017.029	3.09%	72.93%
19.0	1034.812	40.606	1057.635	2.74%	75.85%
20.0	907.236	35.545	1093.18	2.40%	78.39%
21.0	778.733	32.374	1125.554	2.18%	80.72%
22.0	642.931	28.569	1154.123	1.93%	82.76%
23.0	537.483	24.768	1178.891	1.67%	84.54%
24.0	432.009	21.197	1200.087	1.43%	86.06%
25.0	357.136	17.943	1218.031	1.21%	87.35%
26.0	307.290	15.684	1233.715	1.06%	88.47%
27.0	232.431	13.204	1246.919	0.89%	89.42%
28.0	197.180	10.877	1257.796	0.73%	90.20%
29.0	158.385	9.303	1267.098	0.63%	90.87%
30.0	134.284	7.902	1275	0.53%	91.43%
31.0	108.192	6.748	1281.748	0.45%	91.92%
32.0	91.912	5.733	1287.481	0.39%	92.33%
33.0	78.989	5.035	1292.516	0.34%	92.69%
34.0	69.224	4.485	1297.001	0.30%	93.01%
35.0	61.870	4.071	1301.072	0.27%	93.30%
36.0	55.741	3.745	1304.817	0.25%	93.57%
37.0	51.125	3.485	1308.303	0.23%	93.82%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	47.495	3.292	1311.594	0.22%	94.06%
39.0	44.331	3.134	1314.729	0.21%	94.28%
40.0	42.066	3.013	1317.742	0.20%	94.50%
41.0	39.881	2.918	1320.66	0.20%	94.71%
42.0	37.949	2.828	1323.488	0.19%	94.91%
43.0	36.743	2.767	1326.254	0.19%	95.11%
44.0	35.365	2.722	1328.976	0.18%	95.30%
45.0	34.312	2.678	1331.654	0.18%	95.50%
46.0	33.326	2.645	1334.299	0.18%	95.69%
47.0	32.434	2.615	1336.914	0.18%	95.87%
48.0	31.608	2.589	1339.503	0.17%	96.06%
49.0	30.835	2.564	1342.067	0.17%	96.24%
50.0	30.089	2.540	1344.608	0.17%	96.42%
51.0	29.303	2.513	1347.12	0.17%	96.60%
52.0	28.523	2.481	1349.602	0.17%	96.78%
53.0	27.658	2.444	1352.046	0.16%	96.96%
54.0	26.838	2.402	1354.448	0.16%	97.13%
55.0	25.892	2.354	1356.801	0.16%	97.30%
56.0	24.960	2.298	1359.099	0.15%	97.46%
57.0	24.087	2.243	1361.342	0.15%	97.62%
58.0	23.075	2.181	1363.523	0.15%	97.78%
59.0	22.202	2.117	1365.639	0.14%	97.93%
60.0	21.110	2.046	1367.686	0.14%	98.08%
61.0	20.090	1.966	1369.652	0.13%	98.22%
62.0	19.131	1.890	1371.542	0.13%	98.36%
63.0	17.985	1.805	1373.347	0.12%	98.49%
64.0	17.033	1.718	1375.065	0.12%	98.61%
65.0	15.907	1.630	1376.695	0.11%	98.73%
66.0	14.888	1.536	1378.232	0.10%	98.84%
67.0	13.862	1.446	1379.677	0.10%	98.94%
68.0	12.943	1.358	1381.035	0.09%	99.04%
69.0	11.984	1.272	1382.307	0.09%	99.13%
70.0	11.084	1.185	1383.492	0.08%	99.21%
71.0	10.292	1.105	1384.596	0.07%	99.29%
72.0	9.459	1.027	1385.623	0.07%	99.37%
73.0	8.746	0.952	1386.575	0.06%	99.43%
74.0	8.100	0.886	1387.461	0.06%	99.50%
75.0	7.527	0.826	1388.287	0.06%	99.56%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.921	0.767	1389.054	0.05%	99.61%
77.0	6.355	0.708	1389.761	0.05%	99.66%
78.0	5.855	0.654	1390.415	0.04%	99.71%
79.0	5.296	0.599	1391.014	0.04%	99.75%
80.0	4.863	0.548	1391.562	0.04%	99.79%
81.0	4.356	0.499	1392.06	0.03%	99.83%
82.0	3.903	0.448	1392.508	0.03%	99.86%
83.0	3.444	0.399	1392.908	0.03%	99.89%
84.0	2.991	0.351	1393.258	0.02%	99.91%
85.0	2.578	0.304	1393.562	0.02%	99.94%
86.0	2.138	0.258	1393.82	0.02%	99.95%
87.0	1.785	0.215	1394.035	0.01%	99.97%
88.0	1.406	0.175	1394.21	0.01%	99.98%
89.0	1.139	0.139	1394.349	0.01%	99.99%
90.0	0.966	0.115	1394.464	0.01%	100.00%

Zonal flux distribution table

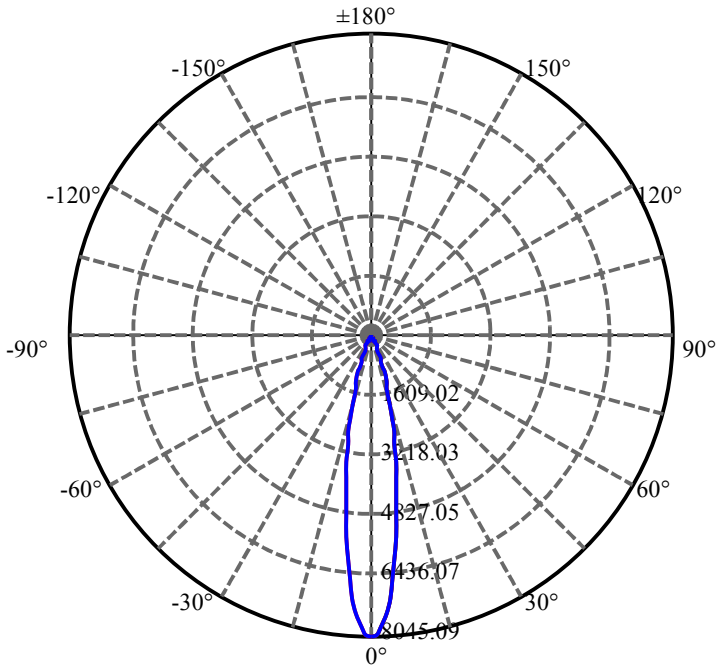
ZONAL LUMEN SUMMARY

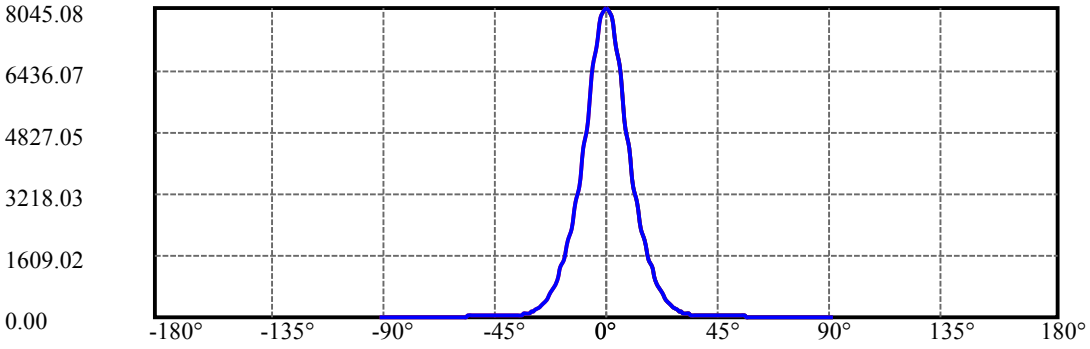
Zone	Lumens	%Lamp	%Fixt
0-30	1275.00	85.92%	91.43%
0-40	1317.74	88.80%	94.50%
0-60	1367.69	92.16%	98.08%
0-90	1394.35	93.96%	99.99%
0-120	1394.35	93.96%	99.99%
0-180	1394.46	93.97%	100.00%
60-90	26.66	1.80%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-20.69	1115.57	75.17%	80.00%

ZONAL LUMEN SUMMARY

0-10	533.92
10-20	559.26
20-30	181.82
30-40	42.74
40-50	26.87
50-60	23.08
60-70	15.81
70-80	8.07
80-90	2.79
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):

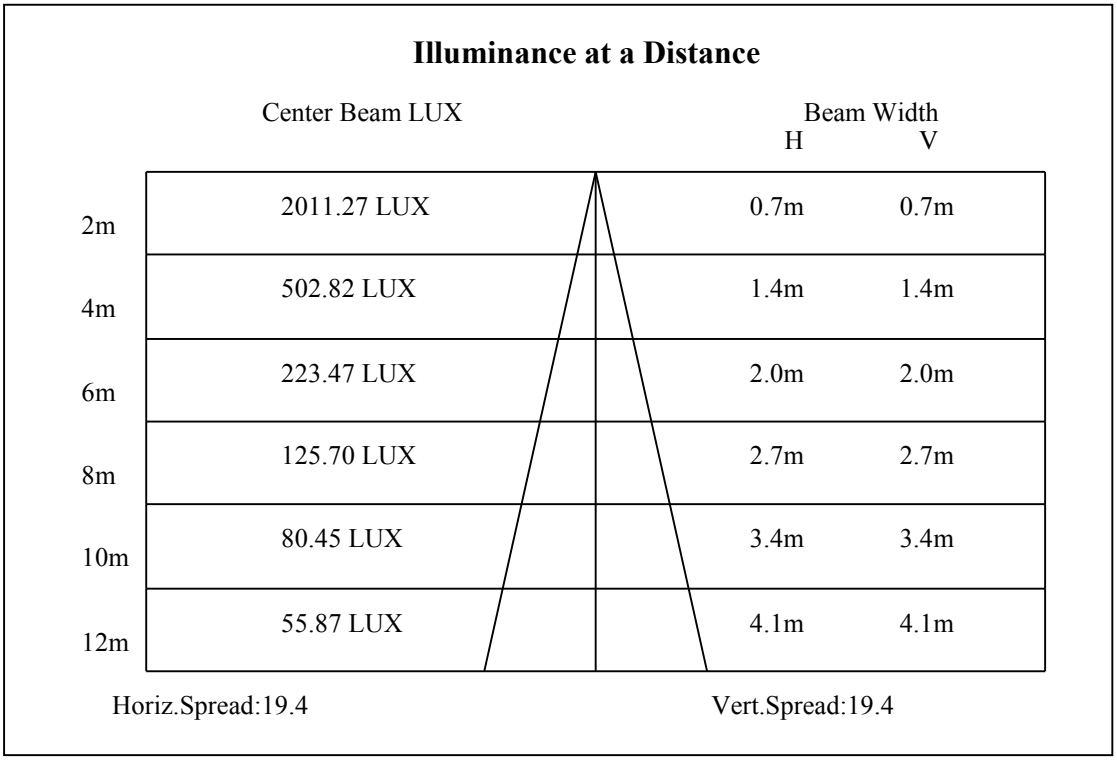
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:20.8 Right:20.8
:C90/270Left:20.8 Right:20.8

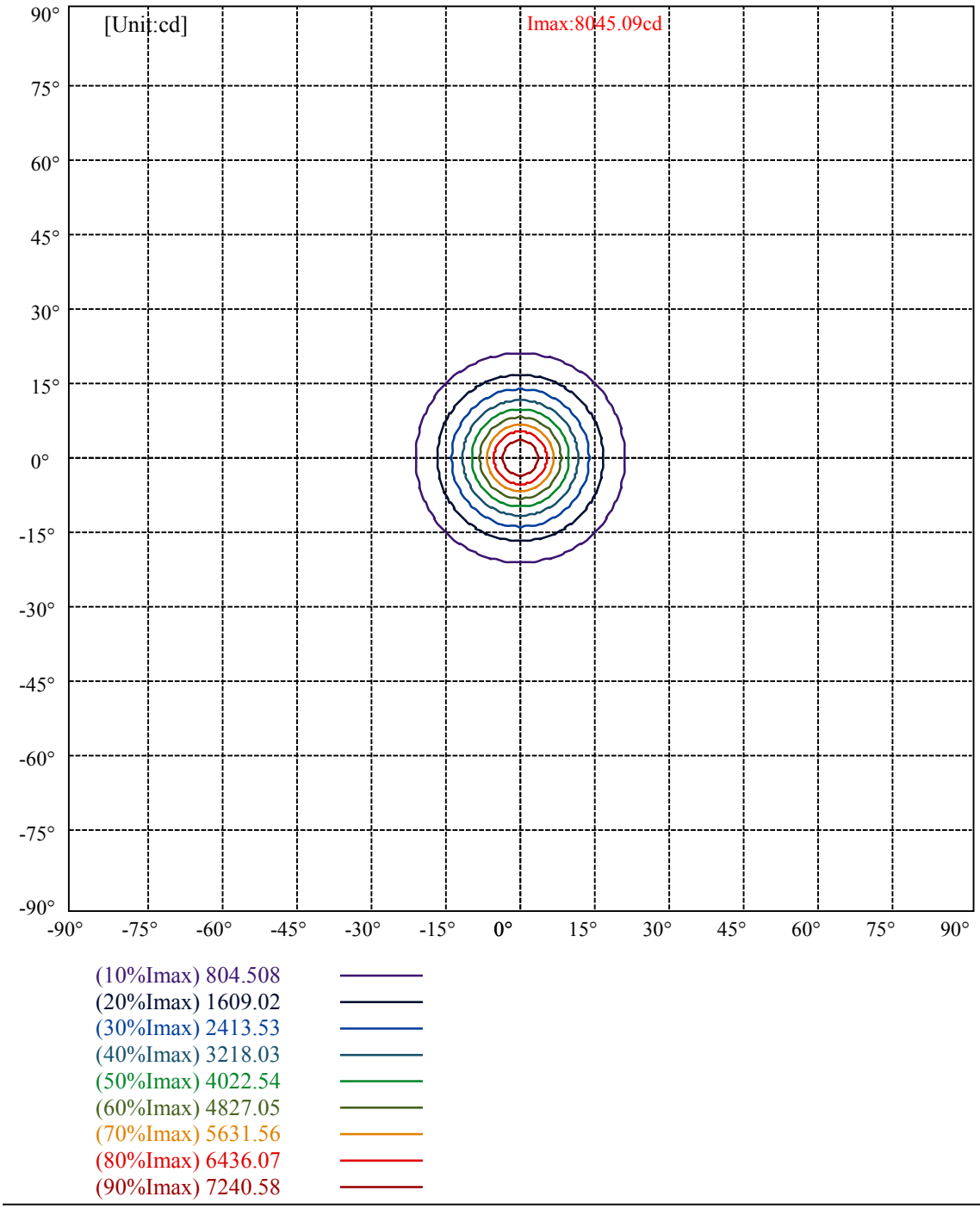
Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7

Lux distance Curve



Equipment: GMS 1800 Date: 2025/2/27 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.30

ISO-Intensity(V-H)



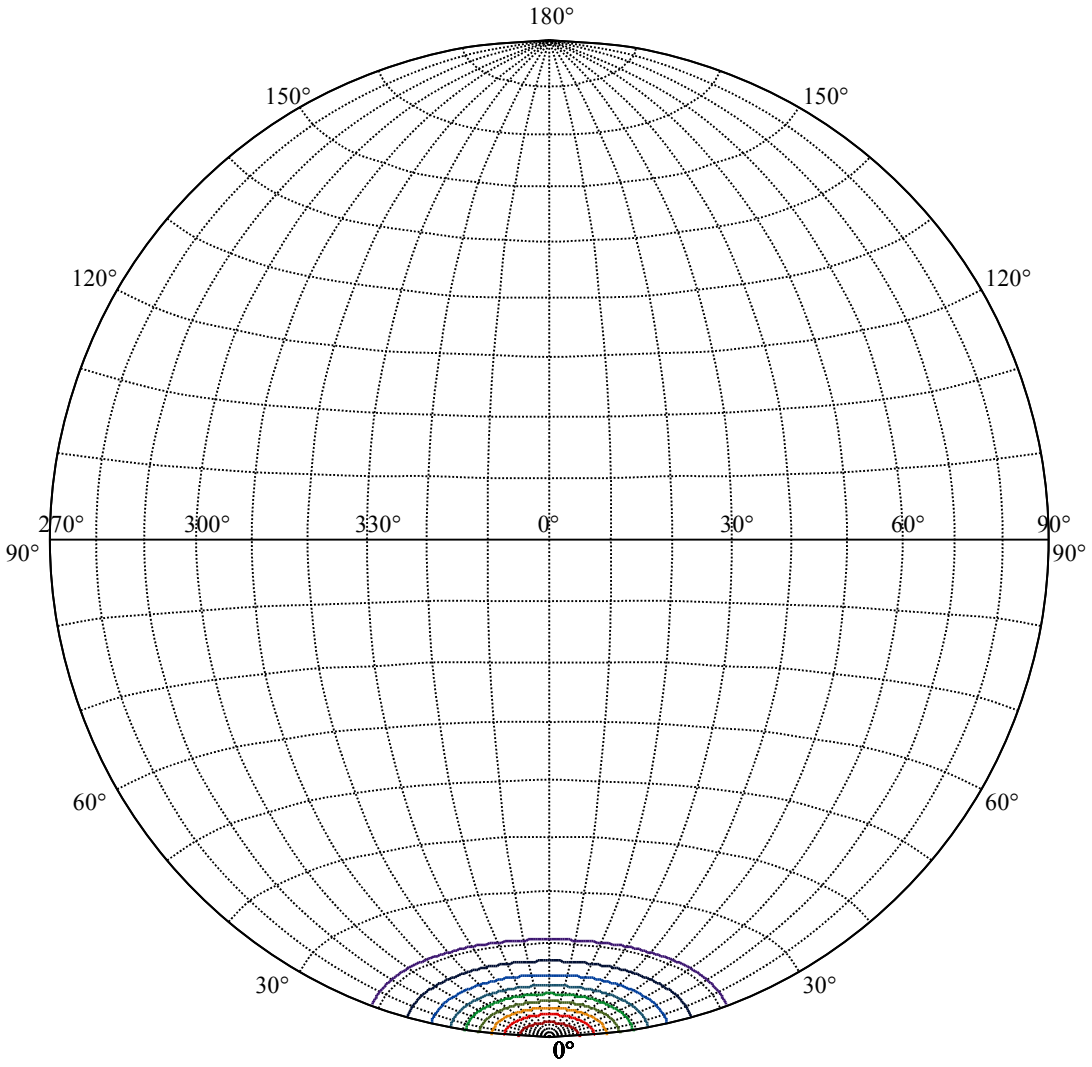
(10%Imax) 804.508
(20%Imax) 1609.02
(30%Imax) 2413.53
(40%Imax) 3218.03
(50%Imax) 4022.54
(60%Imax) 4827.05
(70%Imax) 5631.56
(80%Imax) 6436.07
(90%Imax) 7240.58

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:8045.09

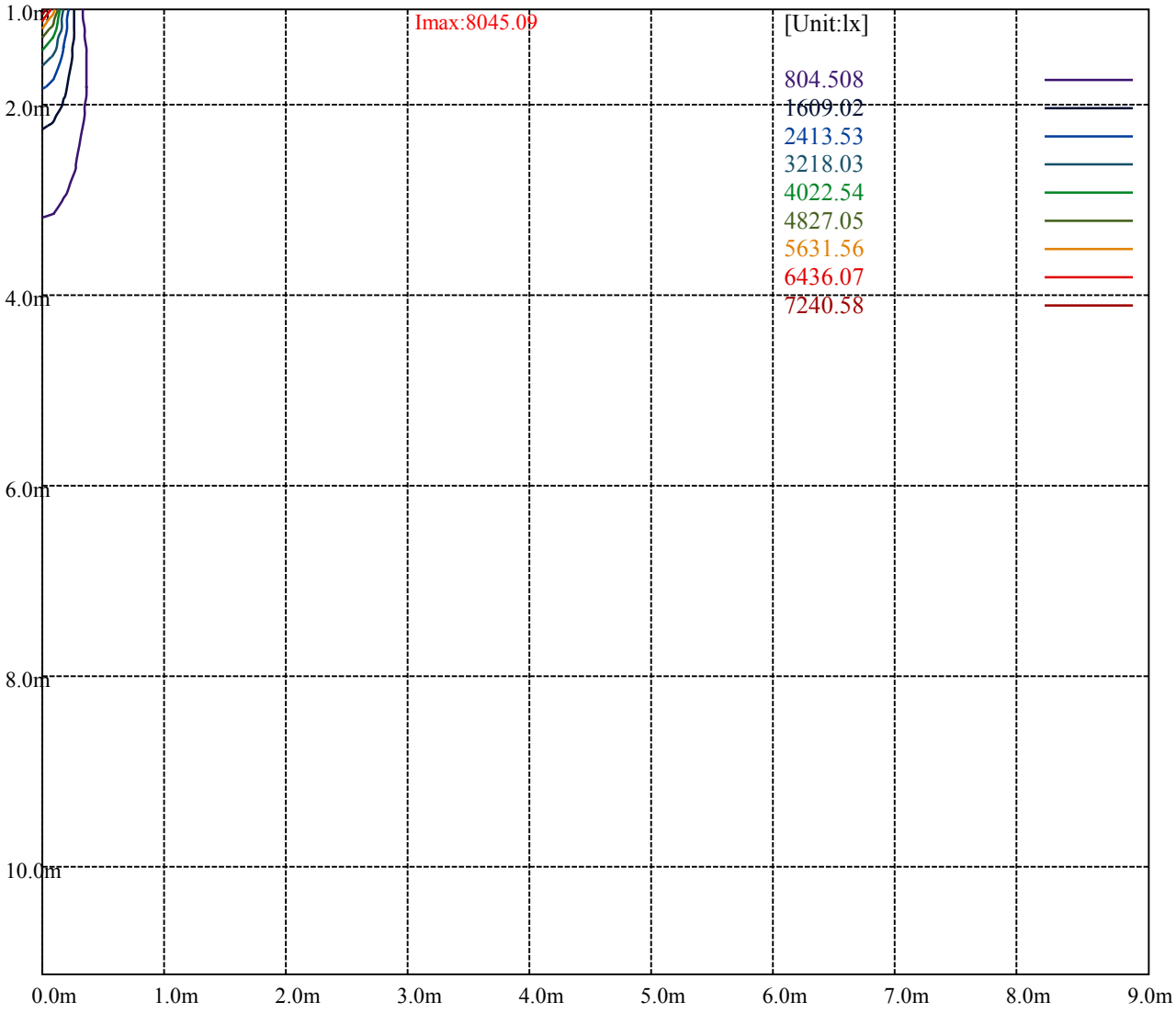
(10%Imax) 804.508
(20%Imax) 1609.02
(30%Imax) 2413.53
(40%Imax) 3218.03
(50%Imax) 4022.54
(60%Imax) 4827.05
(70%Imax) 5631.56
(80%Imax) 6436.07
(90%Imax) 7240.58

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 62-0214

Luminance Limitting Curve(no luminous side)

Luminance Table

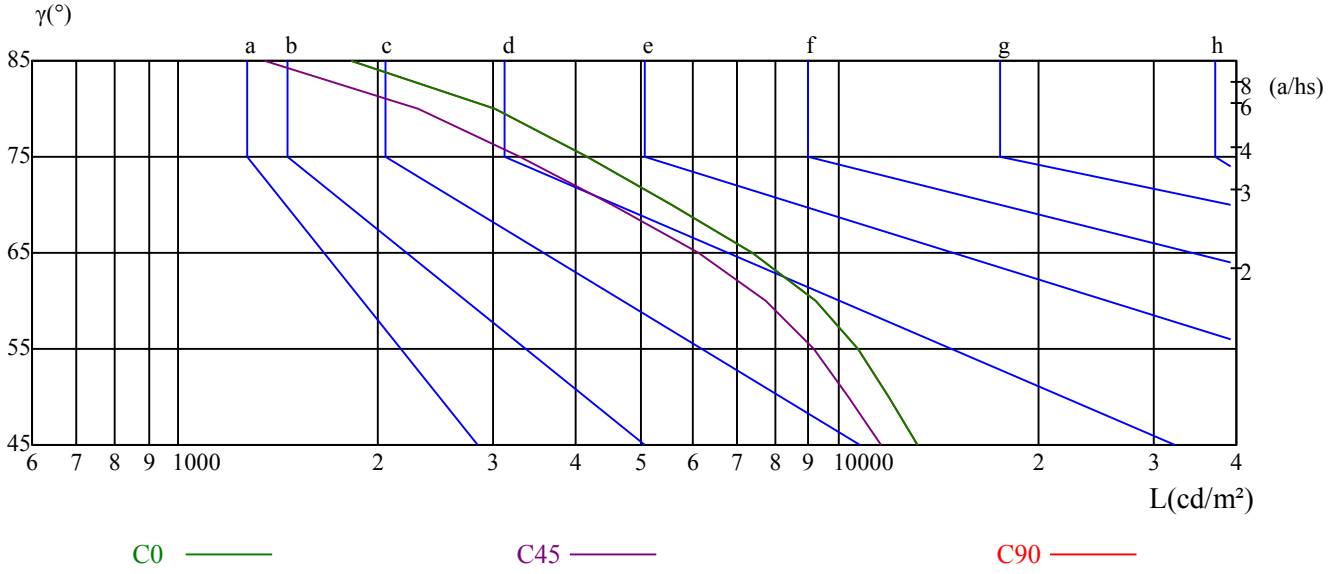
γ	45	50	55	60	65	70	75	80	85
C0	13115	11911	10713	9221	7419	5591	4168	3009	1824
C45	11562	10351	9168	7762	6131	4525	3292	2310	1351
C90	13115	11911	10713	9221	7419	5591	4168	3009	1824

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15056	15056	15056	11633	11633	11633	11831	11831	11831

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: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

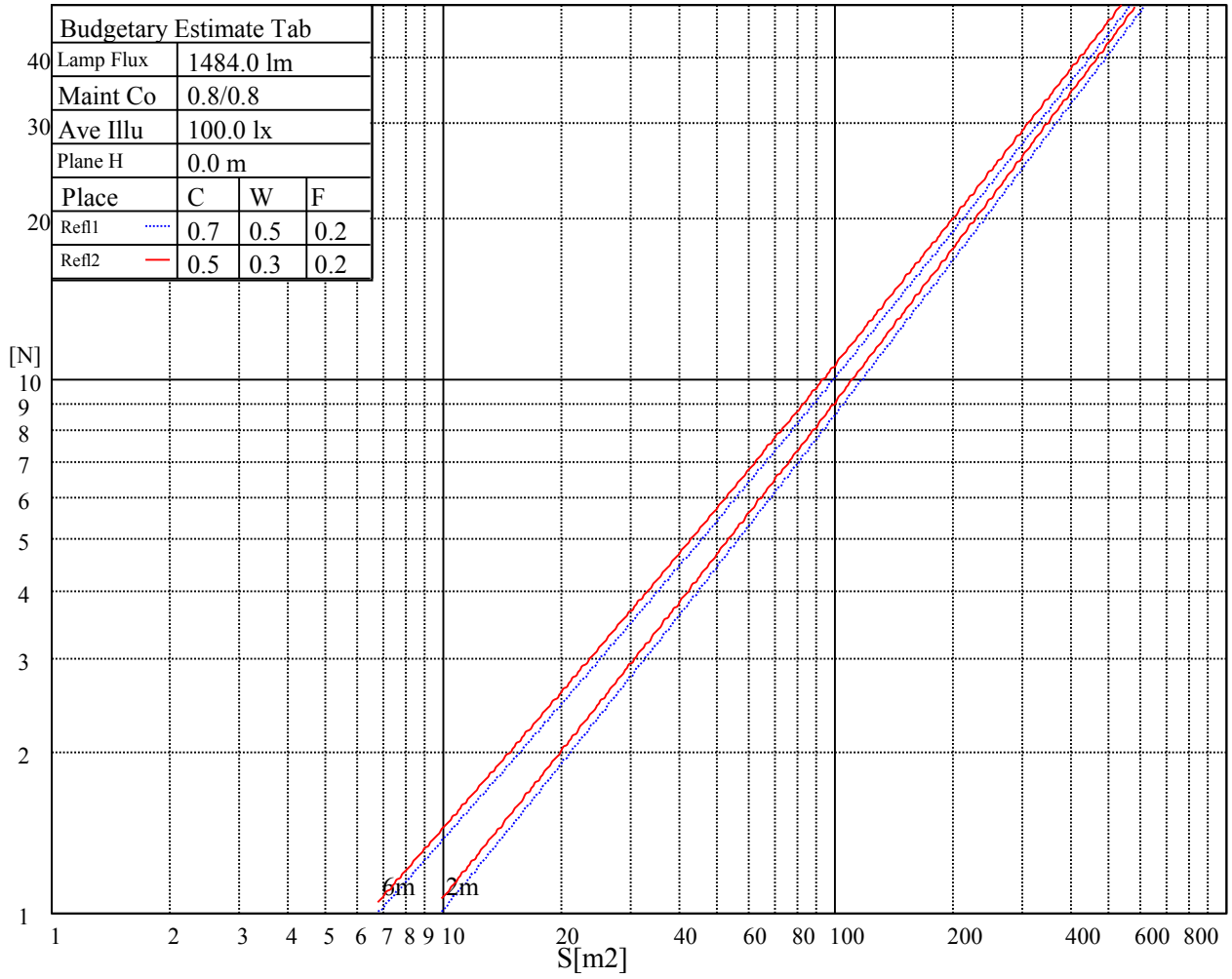
Operator: NT
Distance(m): 7.30

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	12.85	13.81	13.22	14.12	14.44	12.37	13.33	12.73	13.64	13.96
	3H	13.80	14.65	14.19	14.99	15.34	13.26	14.12	13.65	14.45	14.80
	4H	14.09	14.88	14.49	15.24	15.60	13.56	14.35	13.96	14.71	15.07
	6H	14.31	15.03	14.73	15.41	15.81	13.78	14.50	14.20	14.88	15.28
	8H	14.35	15.04	14.77	15.42	15.83	13.81	14.50	14.23	14.88	15.29
	12H	14.36	15.01	14.79	15.41	15.83	13.81	14.46	14.24	14.86	15.28
4H	2H	13.20	13.99	13.60	14.34	14.71	12.81	13.60	13.21	13.95	14.32
	3H	14.24	14.91	14.67	15.30	15.72	13.80	14.46	14.22	14.86	15.28
	4H	14.66	15.24	15.10	15.66	16.11	14.23	14.80	14.67	15.22	15.67
	6H	14.93	15.43	15.40	15.88	16.34	14.49	14.99	14.96	15.44	15.90
	8H	15.02	15.49	15.51	15.95	16.42	14.57	15.04	15.06	15.50	15.97
	12H	15.09	15.52	15.58	15.97	16.49	14.62	15.05	15.11	15.50	16.02
8H	4H	14.71	15.18	15.19	15.63	16.11	14.31	14.77	14.79	15.23	15.71
	6H	15.06	15.44	15.57	15.92	16.44	14.66	15.04	15.17	15.52	16.03
	8H	15.26	15.58	15.80	16.10	16.60	14.85	15.16	15.38	15.69	16.18
	12H	15.38	15.62	15.92	16.14	16.66	14.94	15.19	15.49	15.70	16.23
12H	4H	14.69	15.12	15.18	15.57	16.09	14.29	14.72	14.78	15.17	15.70
	6H	15.11	15.43	15.64	15.95	16.45	14.71	15.03	15.25	15.56	16.05
	8H	15.29	15.54	15.84	16.05	16.58	14.89	15.13	15.43	15.65	16.17

Variation with the observer position at spacings:		
S = 1.0H	0.6/-0.6	0.6/-0.6
S = 1.5H	1.0/-1.0	1.0/-1.0
S = 2.0H	2.7/-1.4	2.7/-1.4
Standard tables:	BK3	BK3
Uncorrected UGR	-2.8	-2.8

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

Budgetary Estimate Table



Equipment: GMS 1800
Temperature(°C): 25.0

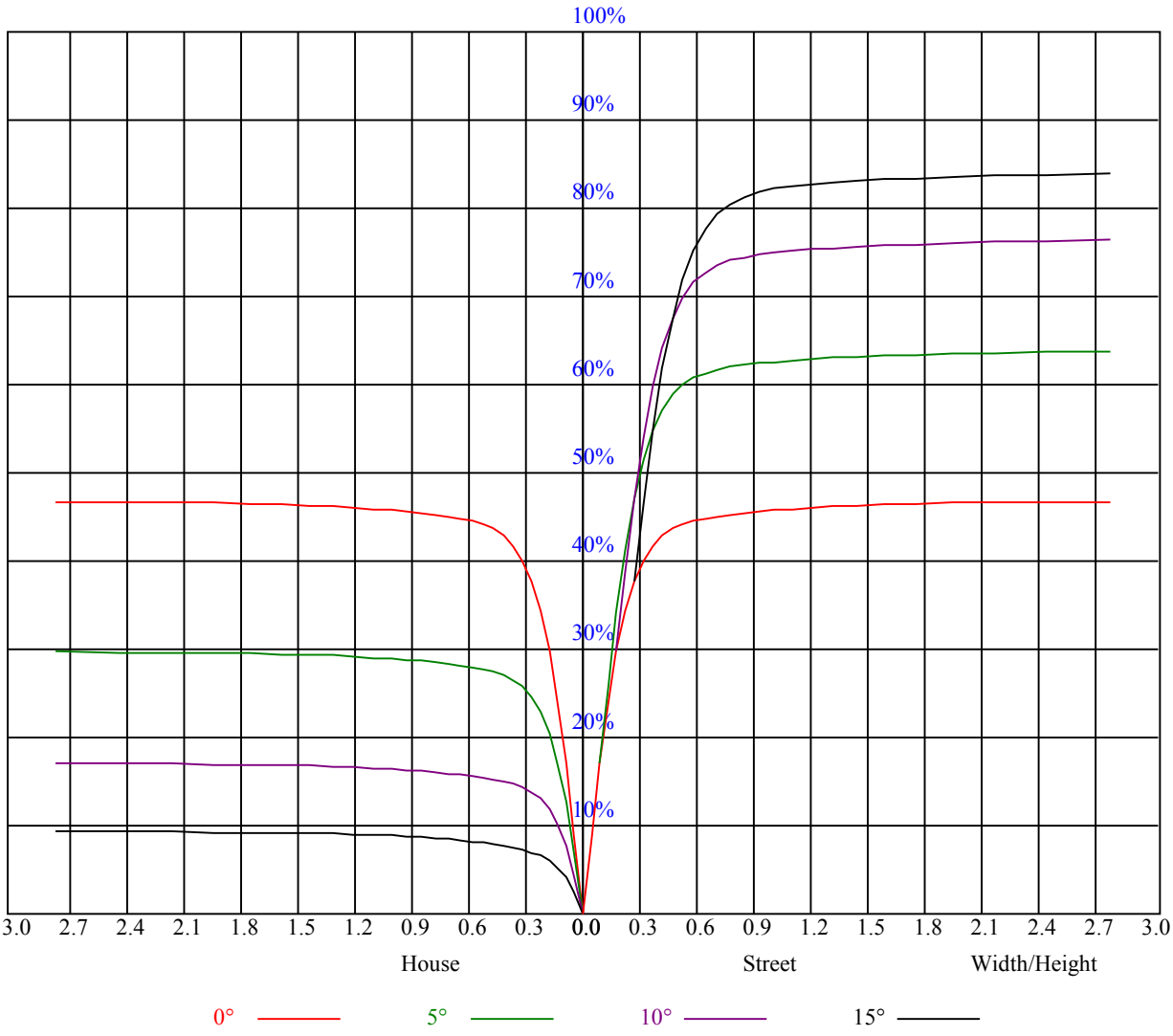
Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Utilization factor table for indoor luminaire

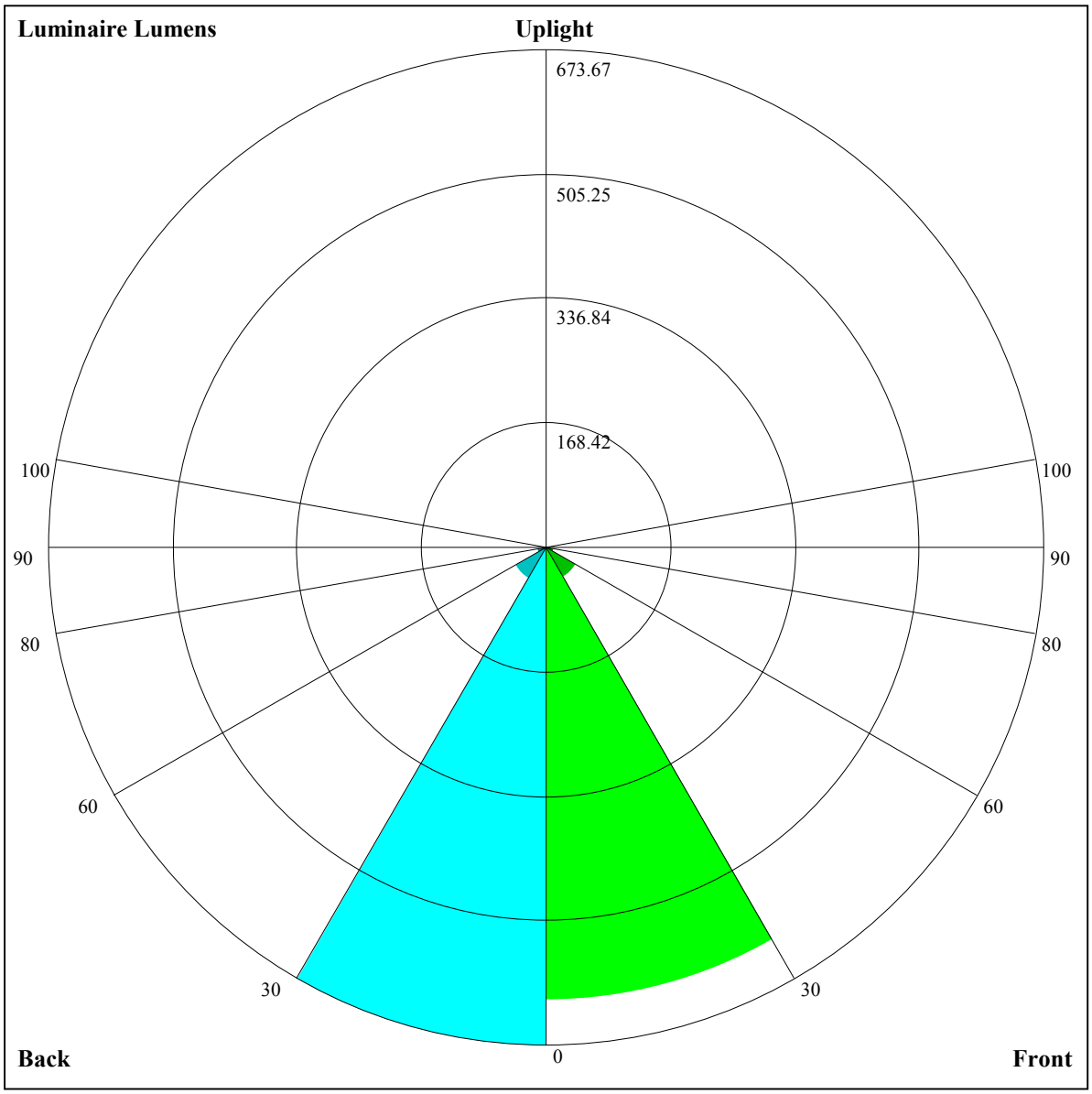
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.90
2	1.00	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	0.87
3	0.96	0.92	0.89	0.95	0.91	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.88	0.85	0.91	0.87	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.86	0.84	0.82	0.81
5	0.88	0.84	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.78
6	0.85	0.81	0.78	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.79	0.77	0.76
7	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.77	0.75	0.74
8	0.80	0.76	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.75	0.73	0.72
9	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.75	0.73	0.71	0.70
10	0.76	0.72	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.68

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2025/2/27	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

LCS Graph



Luminaire Lumens:

FL=612.92,FM=46.58,FH=11.83,FVH=1.56

BL=673.67,BM=48.51,BH=11.99,BVH=1.37

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	8002.72	7724.55	7334.46	6845.79	6302.77	5727.24	5145.84	4582.57	4051.27
45.0	8172.71	7896.14	7571.07	6958.24	6489.28	5891.90	5285.99	4682.75	4124.81
90.0	7842.85	7381.36	6823.94	6211.11	5573.76	4941.21	4342.23	3802.93	3339.84
135.0	8162.06	7982.47	7642.48	7170.86	6610.78	6011.80	5646.77	4798.92	4221.79
180.0	8002.72	8135.41	8118.89	7943.03	7630.22	7384.02	6893.75	6107.73	5751.75
225.0	8172.71	8309.14	8287.29	8123.15	7808.74	7370.70	6830.34	6233.49	5616.39
270.0	7842.85	8159.39	8323.52	8349.10	8294.22	8089.05	7727.74	7244.40	6681.66
315.0	8162.06	8197.76	8083.72	7829.53	7462.36	6985.41	6439.19	5860.99	5282.26
360.0	8002.72	7724.55	7334.46	6845.79	6302.77	5727.24	5145.84	4582.57	4051.27

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3571.12	3148.00	2778.70	2449.90	2145.62	1865.84	1609.52	1378.77	955.38
45.0	3624.41	3193.30	2812.81	2470.68	2157.87	1872.24	1615.38	1382.50	1173.07
90.0	2943.37	2592.72	2272.98	1979.35	1711.30	1469.90	1234.89	998.12	929.48
135.0	3896.19	3413.38	3004.12	2647.61	2323.07	2023.58	1756.07	1515.19	1295.64
180.0	5159.70	4566.05	4008.63	3514.64	3087.78	2717.95	2383.82	2080.60	1806.16
225.0	5000.89	4406.71	3864.75	3386.21	2979.07	2620.43	2296.96	2000.13	1729.42
270.0	6074.69	5453.86	4839.96	4266.02	3754.44	3310.53	2924.72	2578.33	2263.39
315.0	4709.40	4172.23	3773.09	3241.79	2933.77	2585.79	2207.96	1975.09	1707.57
360.0	3571.12	3148.00	2778.70	2449.90	2145.62	1865.84	1609.52	1378.77	955.38

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	955.38	854.45	702.31	572.17	463.62	372.71	299.06	240.07	193.66
45.0	986.56	820.83	673.75	546.38	442.47	388.64	311.37	285.26	272.47
90.0	771.16	631.59	511.85	414.33	333.28	266.50	213.48	172.13	140.74
135.0	1097.93	921.01	764.34	627.38	509.61	410.49	329.49	288.46	288.46
180.0	1559.96	1335.61	1130.97	949.79	789.92	704.12	530.40	428.61	375.85
225.0	1580.21	1011.34	1011.34	975.58	809.32	667.51	546.01	442.20	354.49
270.0	1975.62	1713.97	1473.63	1257.80	1064.89	893.30	743.02	611.40	520.80
315.0	1466.17	989.70	989.70	886.43	730.34	596.58	483.23	388.96	311.85
360.0	955.38	854.45	702.31	572.17	463.62	372.71	299.06	240.07	193.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	157.53	129.28	107.65	91.02	78.12	71.94	60.91	57.29	52.49
45.0	162.91	132.91	109.03	92.03	78.98	68.26	60.54	54.73	50.09
90.0	116.39	97.57	83.19	71.83	63.47	57.02	53.77	48.17	46.26
135.0	178.15	145.48	120.33	101.36	86.81	75.46	66.99	60.32	55.00
180.0	301.78	276.73	216.62	150.92	124.49	104.34	88.35	76.74	67.36
225.0	285.05	229.36	183.80	150.28	123.95	102.32	86.92	75.03	67.52
270.0	407.30	346.01	282.60	282.60	190.25	156.35	129.92	108.55	92.03
315.0	250.36	220.09	163.87	134.24	119.48	99.60	84.52	72.95	64.21
360.0	157.53	129.28	107.65	91.02	78.12	71.94	60.91	57.29	52.49

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	47.48	45.78	43.48	41.46	39.70	38.16	36.82	35.76	34.75
45.0	46.63	43.86	41.83	39.43	37.84	36.66	35.22	34.32	33.47
90.0	43.54	40.61	39.54	37.94	36.45	35.17	34.11	33.31	32.51
135.0	50.79	47.43	44.66	42.37	40.23	38.58	36.98	35.70	34.43
180.0	60.06	54.41	50.20	46.63	43.80	42.37	39.27	38.21	36.50
225.0	60.06	54.20	49.72	46.04	43.27	40.77	38.80	37.14	35.70
270.0	79.94	70.40	62.14	55.58	52.60	46.79	43.59	42.21	39.54
315.0	57.45	52.33	48.39	45.19	42.63	40.55	38.80	37.30	36.02
360.0	47.48	45.78	43.48	41.46	39.70	38.16	36.82	35.76	34.75

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	33.84	33.09	32.40	31.71	31.07	30.38	29.58	28.72	27.87
45.0	32.56	31.81	31.12	30.48	29.84	28.99	28.30	27.55	26.59
90.0	31.76	30.91	29.58	28.72	27.98	27.18	26.38	25.47	24.67
135.0	33.84	32.51	31.97	31.17	30.27	29.52	28.67	27.98	27.12
180.0	34.43	33.63	32.56	31.55	30.59	29.95	29.20	28.46	27.66
225.0	34.48	33.25	32.35	31.55	30.75	30.06	29.31	28.56	27.76
270.0	38.69	37.46	36.40	35.33	34.53	33.68	32.72	31.71	30.59
315.0	34.90	33.95	33.09	32.35	31.65	30.96	30.27	29.74	28.99
360.0	33.84	33.09	32.40	31.71	31.07	30.38	29.58	28.72	27.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.96	26.06	25.21	24.03	23.18	22.06	20.94	19.82	18.70
45.0	25.79	24.83	23.93	22.91	21.90	21.26	19.77	18.76	18.07
90.0	24.19	22.86	21.96	21.37	20.09	19.45	18.44	17.48	16.47
135.0	26.33	25.53	24.67	23.77	22.91	22.06	21.16	20.30	19.45
180.0	26.80	26.01	25.05	24.14	23.34	22.44	21.42	20.52	19.98
225.0	26.96	26.06	25.05	24.51	23.13	22.49	21.42	20.30	19.18
270.0	29.52	28.51	27.50	26.59	25.63	24.57	23.45	22.33	21.21
315.0	28.14	27.28	26.33	25.37	24.41	23.29	22.28	21.21	19.98
360.0	26.96	26.06	25.21	24.03	23.18	22.06	20.94	19.82	18.70

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.59	16.47	15.35	14.28	13.27	12.26	11.35	10.50	9.70
45.0	16.63	15.99	15.03	14.02	13.11	12.26	11.46	10.60	9.91
90.0	15.51	14.44	13.38	12.36	11.51	10.66	9.91	9.27	8.74
135.0	18.44	17.43	16.31	15.67	14.23	13.64	12.58	11.67	10.76
180.0	18.65	18.07	17.00	15.67	14.97	14.12	13.11	12.10	11.14
225.0	18.12	16.95	15.77	14.71	13.64	12.58	11.56	10.66	9.70
270.0	20.09	19.13	17.80	16.89	15.72	14.60	13.48	12.42	11.40
315.0	18.86	17.80	16.63	15.51	14.44	13.43	12.42	11.46	10.98
360.0	17.59	16.47	15.35	14.28	13.27	12.26	11.35	10.50	9.70

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.06	8.47	7.89	7.30	6.82	6.29	5.76	5.22	4.96
45.0	9.27	8.69	8.10	7.62	7.09	6.61	6.08	5.65	5.17
90.0	8.21	7.67	7.25	6.87	6.29	5.81	5.38	4.74	4.37
135.0	9.97	9.17	8.53	7.89	7.30	6.61	6.13	5.60	5.12
180.0	10.23	9.22	8.42	7.73	7.09	6.34	5.76	5.22	4.64
225.0	8.79	7.99	7.30	6.93	6.08	5.54	5.22	4.53	4.21
270.0	10.39	9.49	8.69	7.89	7.25	6.71	6.18	5.54	5.12
315.0	9.75	9.27	8.63	7.99	7.46	6.93	6.34	5.86	5.33
360.0	9.06	8.47	7.89	7.30	6.82	6.29	5.76	5.22	4.96

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.37	3.94	3.52	3.14	2.77	2.34	2.03	1.65	1.39
45.0	4.69	4.21	3.68	3.36	2.88	2.50	2.13	1.76	1.49
90.0	3.84	3.46	3.09	2.66	2.29	1.87	1.49	1.23	1.17
135.0	4.58	4.16	3.52	2.93	2.56	1.97	1.60	1.28	1.07
180.0	4.16	3.68	3.14	2.66	2.29	1.87	1.49	1.12	0.69
225.0	3.62	3.25	2.88	2.45	2.03	1.60	1.33	0.91	0.64
270.0	4.64	4.21	3.73	3.25	2.82	2.40	2.08	1.55	1.28
315.0	4.96	4.32	4.00	3.46	2.98	2.56	2.13	1.76	1.39
360.0	4.37	3.94	3.52	3.14	2.77	2.34	2.03	1.65	1.39

Intensity data(cd)

C/γ(°)	90.0
0.0	1.28
45.0	1.33
90.0	1.12
135.0	0.96
180.0	0.43
225.0	0.43
270.0	0.96
315.0	1.23
360.0	1.28