

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1555023

Luminaire Tested: 22CGTS-L3C39 4000 - MEDIUM

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-799-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/2/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTS-L3C39 4000 - MEDIUM
Description: OPP Panel 2x2 4000 MEDIUM

Light Source:
Ballast/Driver: -

Summary

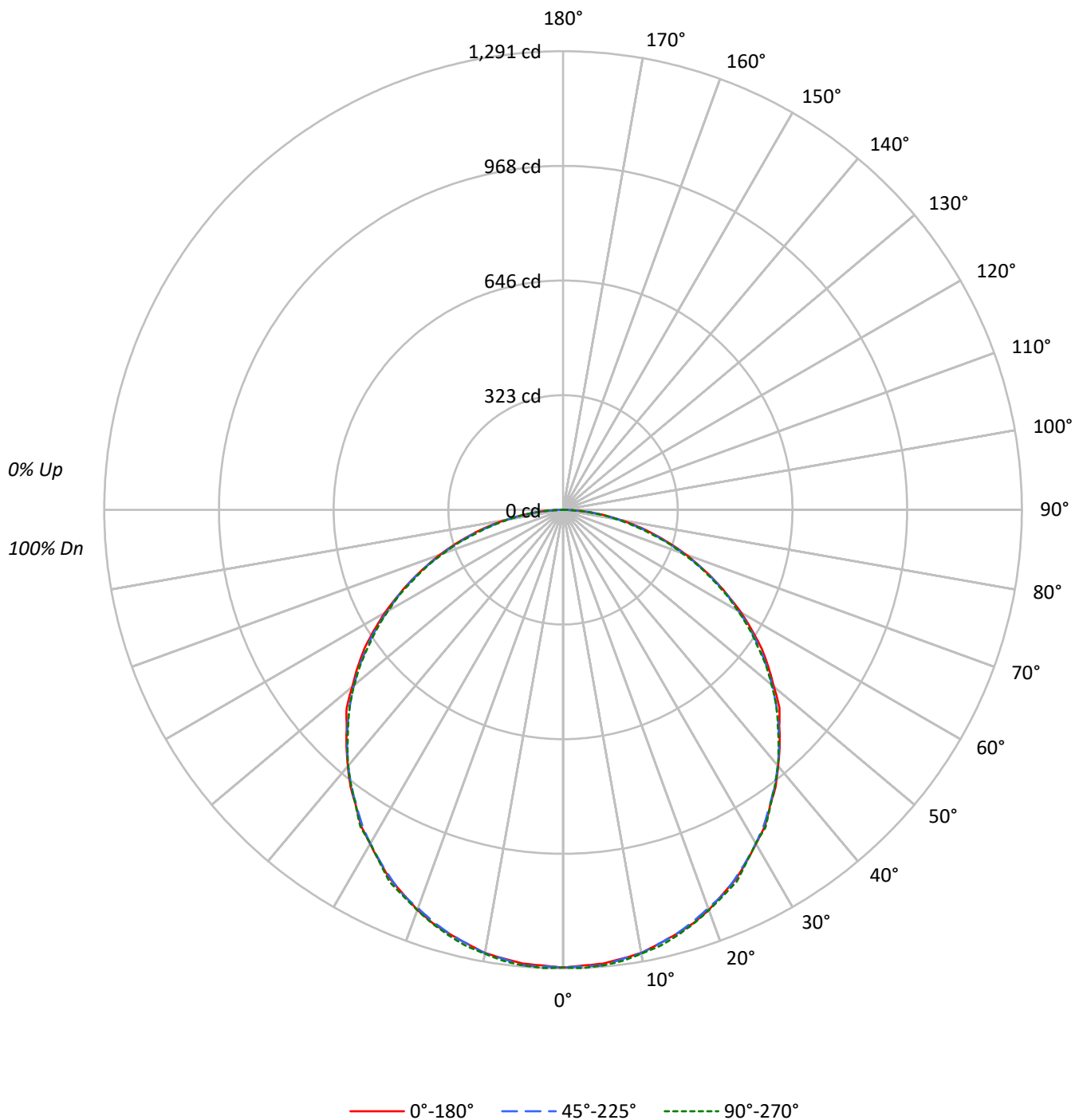
Lumens per Lamp: N/A
Luminaire Lumens: 3718.0 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	109	104	99	95	106	101	97	94	97	94	91		93	90	88		90	87	85		83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71		69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60		58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52		49
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55	49	45		43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39		37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35		33
8	60	46	38	32	58	46	37	32	44	37	32		43	36	31		42	36	31		29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28		26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3467	3467	3467
5°	3464	3478	3478
10°	3460	3463	3468
15°	3442	3442	3457
20°	3432	3417	3434
25°	3409	3401	3430
30°	3373	3370	3368
35°	3337	3331	3340
40°	3308	3302	3305
45°	3275	3262	3252
50°	3242	3216	3208
55°	3202	3157	3132
60°	3113	3071	3056
65°	3004	2993	2948
70°	2893	2851	2810
75°	2742	2696	2613
80°	2541	2459	2391
85°	2232	2177	2096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 3291 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	3.3
10°-20°	349.2	9.4
20°-30°	528.8	14.2
30°-40°	637.1	17.1
40°-50°	662.8	17.8
50°-60°	602.1	16.2
60°-70°	463.0	12.5
70°-80°	273.3	7.4
80°-90°	79.7	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	999.9	26.9
0°-40°	1637.1	44.0
0°-60°	2902.0	78.1
0°-90°	3718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3718.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1288	1288	1288	1288	1288	
5°	1282	1286	1288	1286	1288	122
15°	1236	1240	1236	1238	1241	349
25°	1148	1145	1146	1152	1155	528
35°	1016	1020	1014	1019	1017	637
45°	861	864	857	860	854	666
55°	683	676	673	674	668	608
65°	472	470	470	463	463	467
75°	264	262	259	255	251	280
85°	72	71	70	68	68	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1288.4	1288.4	1288.4	1288.4	1288.4
2.5°	1284.0	1284.9	1285.8	1284.0	1291.0
5°	1282.2	1285.8	1287.5	1285.8	1287.5
7.5°	1274.3	1275.2	1275.2	1278.7	1280.5
10°	1266.4	1264.6	1267.2	1269.9	1269.0
12.5°	1250.5	1250.5	1250.5	1254.0	1257.5
15°	1235.5	1239.9	1235.5	1238.1	1240.8
17.5°	1219.6	1218.7	1215.2	1221.4	1221.4
20°	1198.5	1194.9	1193.2	1199.3	1199.3
22.5°	1172.0	1176.4	1173.8	1173.8	1176.4
25°	1148.2	1144.7	1145.5	1151.7	1155.2
27.5°	1117.3	1120.8	1115.6	1118.2	1118.2
30°	1085.6	1087.3	1084.7	1088.2	1083.8
32.5°	1056.5	1056.5	1052.1	1054.7	1060.0
35°	1015.9	1020.3	1014.1	1019.4	1016.8
37.5°	982.4	983.3	978.9	983.3	978.9
40°	941.8	941.8	940.1	941.8	940.9
42.5°	902.1	902.1	899.5	901.3	897.7
45°	860.7	864.2	857.2	859.8	854.5
47.5°	826.3	818.4	813.1	815.7	814.0
50°	774.3	771.6	768.1	769.9	766.3
52.5°	728.4	722.2	721.4	719.6	719.6
55°	682.6	676.4	672.9	673.7	667.6
57.5°	630.5	626.1	624.4	621.7	620.0
60°	578.5	575.9	570.6	569.7	567.9
62.5°	523.8	523.8	521.2	519.4	518.5
65°	471.8	470.0	470.0	463.0	463.0
67.5°	418.0	418.0	416.2	410.1	412.7
70°	367.7	364.2	362.4	359.8	357.2
72.5°	316.6	313.1	308.7	306.9	306.9
75°	263.7	261.9	259.3	254.9	251.3
77.5°	215.2	210.8	206.4	203.7	201.1
80°	164.0	162.3	158.7	155.2	154.3
82.5°	118.2	116.4	113.8	110.2	111.1
85°	72.3	71.4	70.5	67.9	67.9
87.5°	31.7	30.9	30.0	28.2	29.1
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.2	17.9	16.6	18.2	18.5	16.1	17.8	16.5	18.1	18.4
	3H	18.1	19.6	18.4	19.9	20.2	18.0	19.5	18.4	19.8	20.2
	4H	18.8	20.2	19.2	20.5	20.9	18.7	20.1	19.1	20.4	20.8
	6H	19.4	20.7	19.8	21.0	21.4	19.2	20.5	19.6	20.9	21.2
	8H	19.5	20.8	20.0	21.2	21.6	19.4	20.6	19.8	21.0	21.4
	12H	19.7	20.9	20.1	21.3	21.7	19.5	20.7	19.9	21.1	21.5
4H	2H	16.8	18.3	17.2	18.6	19.0	16.8	18.2	17.2	18.6	18.9
	3H	18.9	20.1	19.3	20.5	20.9	18.9	20.0	19.3	20.4	20.8
	4H	19.8	20.9	20.2	21.3	21.7	19.7	20.8	20.1	21.2	21.6
	6H	20.5	21.4	20.9	21.9	22.3	20.3	21.3	20.8	21.7	22.2
	8H	20.7	21.6	21.2	22.1	22.5	20.6	21.4	21.0	21.9	22.3
	12H	20.9	21.7	21.4	22.2	22.6	20.7	21.5	21.2	22.0	22.5
8H	4H	20.1	21.0	20.6	21.4	21.9	20.0	20.9	20.5	21.3	21.8
	6H	20.9	21.7	21.4	22.2	22.6	20.8	21.5	21.3	22.0	22.5
	8H	21.3	21.9	21.8	22.4	22.9	21.1	21.8	21.6	22.3	22.7
	12H	21.5	22.1	22.0	22.6	23.2	21.3	21.9	21.8	22.4	23.0
12H	4H	20.2	21.0	20.6	21.4	21.9	20.1	20.9	20.5	21.3	21.8
	6H	21.0	21.7	21.5	22.1	22.7	20.9	21.5	21.4	22.0	22.5
	8H	21.4	22.0	21.9	22.5	23.0	21.2	21.8	21.7	22.3	22.9













(END OF REPORT)