

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: P1555014

Luminaire Tested: 14CGTS-L3C39 4000 - MEDIUM

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-800-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/2/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTS-L3C39 4000 - MEDIUM
Description: OPP Panel 1x4 4000 MEDIUM

Light Source:
Ballast/Driver: -

Summary

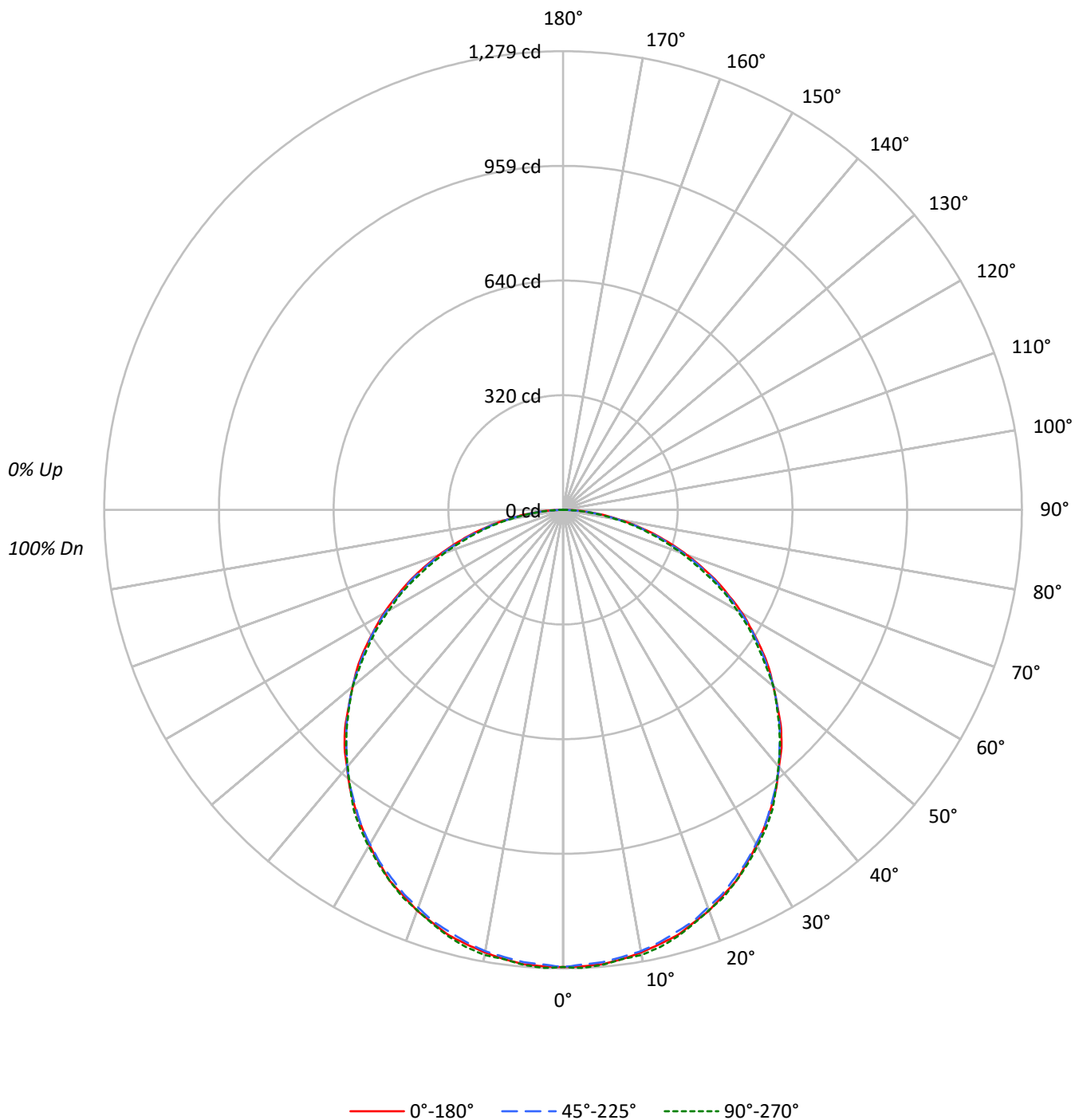
Lumens per Lamp: N/A
Luminaire Lumens: 3694.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.1
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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			
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°	3431	3431	3431
5°	3435	3421	3440
10°	3425	3415	3444
15°	3423	3396	3433
20°	3406	3381	3403
25°	3391	3363	3391
30°	3353	3345	3367
35°	3324	3315	3347
40°	3289	3289	3280
45°	3271	3251	3241
50°	3202	3206	3202
55°	3162	3141	3104
60°	3104	3076	3014
65°	3021	2981	2898
70°	2892	2844	2755
75°	2748	2666	2566
80°	2523	2455	2332
85°	2217	2109	1973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	3.3
10°-20°	346.0	9.4
20°-30°	524.9	14.2
30°-40°	633.3	17.1
40°-50°	659.1	17.8
50°-60°	598.6	16.2
60°-70°	460.7	12.5
70°-80°	271.9	7.4
80°-90°	78.6	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°	991.7	26.8
0°-40°	1625.0	44.0
0°-60°	2882.8	78.0
0°-90°	3694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1275	1275	1275	1275	1275	
5°	1272	1276	1266	1275	1273	121
15°	1229	1224	1219	1227	1232	346
25°	1142	1140	1132	1138	1142	525
35°	1012	1014	1009	1012	1019	633
45°	859	859	854	852	852	661
55°	674	674	670	665	662	602
65°	474	473	468	460	455	468
75°	264	263	256	251	247	279
85°	72	72	68	66	64	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.1	1275.1	1275.1	1275.1	1275.1
2.5°	1274.3	1276.9	1269.0	1278.6	1278.6
5°	1271.6	1276.0	1266.4	1275.1	1273.4
7.5°	1263.8	1262.0	1257.6	1268.1	1263.8
10°	1253.3	1256.8	1249.8	1259.4	1260.3
12.5°	1241.0	1241.0	1235.8	1246.3	1248.9
15°	1228.8	1224.4	1219.1	1227.0	1232.3
17.5°	1207.8	1211.3	1203.4	1209.5	1210.4
20°	1189.4	1186.8	1180.6	1191.1	1188.5
22.5°	1164.0	1166.6	1159.6	1167.5	1169.2
25°	1142.1	1140.4	1132.5	1137.7	1142.1
27.5°	1109.7	1112.4	1107.1	1115.0	1114.1
30°	1079.1	1081.7	1076.5	1080.0	1083.5
32.5°	1045.8	1050.2	1045.8	1047.6	1052.8
35°	1011.7	1014.3	1009.1	1011.7	1018.7
37.5°	976.7	975.8	974.1	975.0	975.0
40°	936.4	936.4	936.4	936.4	933.8
42.5°	901.4	901.4	893.6	895.3	895.3
45°	859.4	859.4	854.2	852.4	851.6
47.5°	810.4	815.7	809.5	806.9	807.8
50°	764.9	768.4	765.8	762.3	764.9
52.5°	722.9	724.7	717.7	715.9	711.5
55°	673.9	673.9	669.5	665.1	661.6
57.5°	624.0	627.5	622.3	615.3	614.4
60°	576.7	575.0	571.5	563.6	560.1
62.5°	523.4	524.2	517.2	512.9	512.0
65°	474.4	472.6	468.2	460.3	455.1
67.5°	420.1	419.2	413.1	407.8	400.8
70°	367.6	366.7	361.5	353.6	350.1
72.5°	315.1	315.9	308.1	302.8	297.6
75°	264.3	263.4	256.4	251.2	246.8
77.5°	213.5	212.7	208.3	200.4	198.7
80°	162.8	164.5	158.4	153.2	150.5
82.5°	117.3	118.2	112.0	109.4	105.9
85°	71.8	71.8	68.3	65.6	63.9
87.5°	31.5	30.6	27.1	28.0	26.3
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	17.7	16.5	18.1	18.4
	3H	18.1	19.6	18.5	19.9	20.3	17.9	19.4	18.3	19.7	20.1
	4H	18.8	20.2	19.2	20.6	21.0	18.6	20.0	19.0	20.3	20.7
	6H	19.4	20.7	19.8	21.1	21.4	19.1	20.4	19.5	20.8	21.2
	8H	19.6	20.8	20.0	21.2	21.6	19.3	20.5	19.7	20.9	21.3
	12H	19.7	20.9	20.1	21.3	21.7	19.4	20.6	19.8	21.0	21.4
4H	2H	16.9	18.3	17.3	18.6	19.0	16.8	18.2	17.2	18.5	18.9
	3H	19.0	20.2	19.4	20.5	20.9	18.8	20.0	19.2	20.4	20.8
	4H	19.8	20.9	20.3	21.3	21.8	19.6	20.7	20.0	21.1	21.5
	6H	20.5	21.5	21.0	21.9	22.4	20.3	21.2	20.7	21.6	22.1
	8H	20.8	21.6	21.2	22.1	22.6	20.5	21.4	20.9	21.8	22.3
	12H	20.9	21.7	21.4	22.2	22.7	20.6	21.4	21.1	21.9	22.4
8H	4H	20.2	21.0	20.6	21.5	21.9	20.0	20.8	20.4	21.3	21.8
	6H	21.0	21.7	21.5	22.2	22.7	20.7	21.5	21.2	22.0	22.4
	8H	21.3	22.0	21.8	22.5	23.0	21.0	21.7	21.5	22.2	22.7
	12H	21.6	22.1	22.1	22.6	23.2	21.3	21.8	21.8	22.3	22.9
12H	4H	20.2	21.0	20.7	21.5	21.9	20.0	20.8	20.5	21.3	21.7
	6H	21.1	21.7	21.6	22.2	22.7	20.8	21.5	21.3	21.9	22.5
	8H	21.4	22.0	21.9	22.5	23.1	21.2	21.7	21.7	22.2	22.8















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