

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: P1555011

Luminaire Tested: 14CGTS-L3C39 3500 - MEDIUM

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555011
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 3500 - MEDIUM
Description: OPP Panel 1x4 3500 MEDIUM

Light Source:
Ballast/Driver: -

Summary

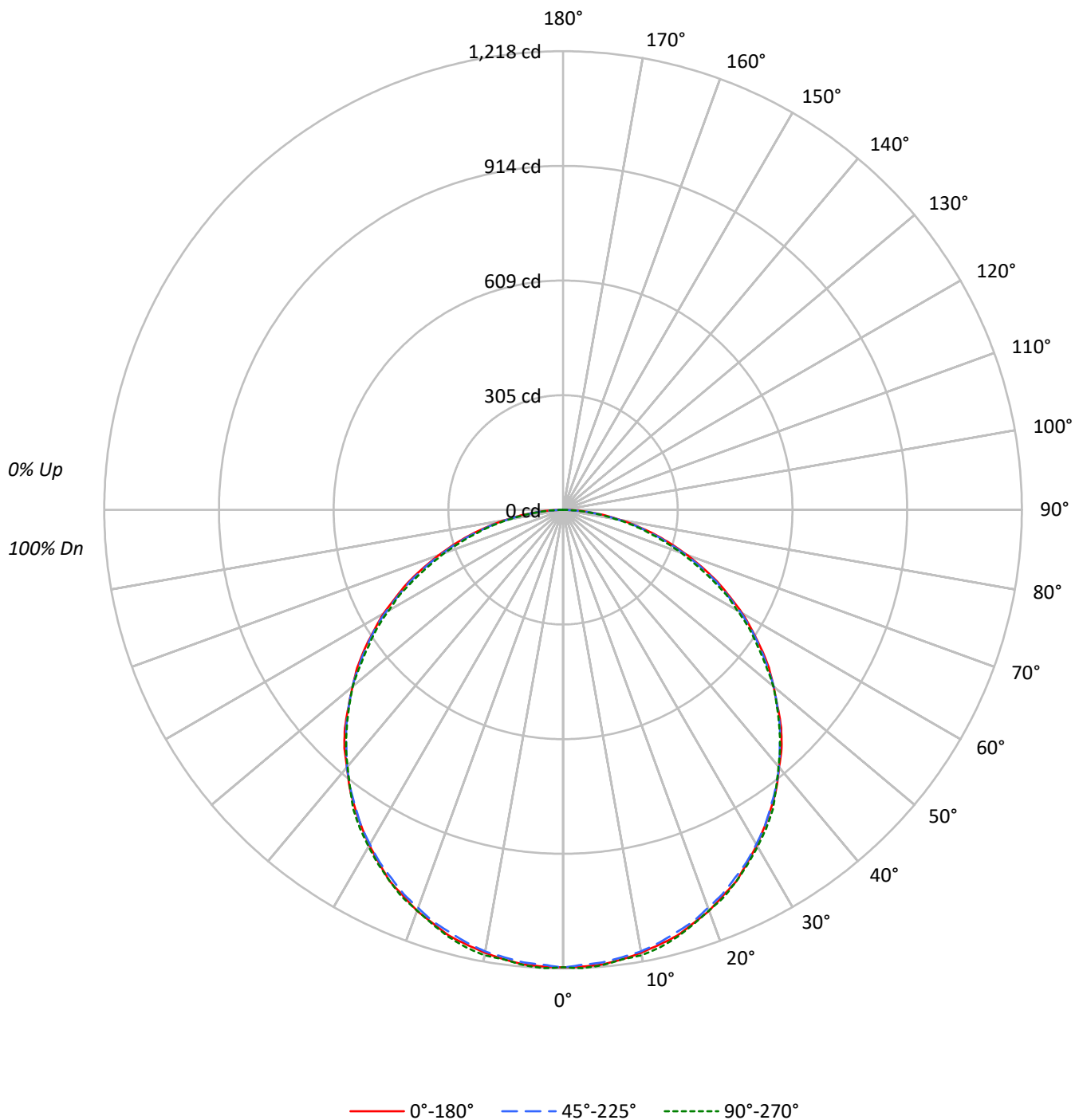
Lumens per Lamp: N/A
Luminaire Lumens: 3520.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
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				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	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°	3270	3270	3270
5°	3273	3260	3278
10°	3263	3254	3281
15°	3262	3236	3271
20°	3246	3222	3243
25°	3231	3204	3231
30°	3195	3187	3208
35°	3167	3159	3189
40°	3134	3134	3126
45°	3117	3097	3088
50°	3051	3055	3051
55°	3013	2993	2958
60°	2958	2931	2872
65°	2878	2841	2762
70°	2756	2710	2625
75°	2619	2541	2445
80°	2404	2338	2222
85°	2112	2007	1880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	3.3
10°-20°	329.7	9.4
20°-30°	500.1	14.2
30°-40°	603.5	17.1
40°-50°	628.0	17.8
50°-60°	570.4	16.2
60°-70°	439.0	12.5
70°-80°	259.1	7.4
80°-90°	74.9	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°	945.0	26.8
0°-40°	1548.5	44.0
0°-60°	2747.0	78.0
0°-90°	3520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1212	1216	1207	1215	1213	115
15°	1171	1167	1162	1169	1174	330
25°	1088	1087	1079	1084	1088	500
35°	964	967	962	964	971	603
45°	819	819	814	812	811	630
55°	642	642	638	634	630	574
65°	452	450	446	439	434	446
75°	252	251	244	239	235	266
85°	68	68	65	62	61	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.1	1215.1	1215.1	1215.1	1215.1
2.5°	1214.2	1216.8	1209.2	1218.4	1218.4
5°	1211.7	1215.9	1206.7	1215.1	1213.4
7.5°	1204.2	1202.6	1198.4	1208.4	1204.2
10°	1194.2	1197.6	1190.9	1200.1	1200.9
12.5°	1182.6	1182.6	1177.6	1187.6	1190.1
15°	1170.9	1166.7	1161.7	1169.2	1174.2
17.5°	1150.9	1154.2	1146.7	1152.5	1153.4
20°	1133.4	1130.9	1125.0	1135.0	1132.5
22.5°	1109.2	1111.7	1105.0	1112.5	1114.2
25°	1088.3	1086.7	1079.1	1084.2	1088.3
27.5°	1057.5	1060.0	1055.0	1062.5	1061.6
30°	1028.3	1030.8	1025.8	1029.1	1032.4
32.5°	996.6	1000.8	996.6	998.3	1003.3
35°	964.1	966.6	961.6	964.1	970.7
37.5°	930.7	929.9	928.2	929.0	929.0
40°	892.3	892.3	892.3	892.3	889.8
42.5°	859.0	859.0	851.5	853.1	853.1
45°	819.0	819.0	813.9	812.3	811.4
47.5°	772.2	777.3	771.4	768.9	769.7
50°	728.9	732.2	729.7	726.4	728.9
52.5°	688.9	690.5	683.8	682.2	678.0
55°	642.2	642.2	638.0	633.8	630.5
57.5°	594.6	598.0	592.9	586.3	585.4
60°	549.6	547.9	544.6	537.1	533.7
62.5°	498.7	499.5	492.9	488.7	487.9
65°	452.0	450.3	446.2	438.7	433.7
67.5°	400.3	399.5	393.6	388.6	382.0
70°	350.3	349.4	344.4	336.9	333.6
72.5°	300.2	301.1	293.6	288.6	283.5
75°	251.9	251.0	244.4	239.3	235.2
77.5°	203.5	202.7	198.5	191.0	189.3
80°	155.1	156.8	150.9	145.9	143.4
82.5°	111.8	112.6	106.7	104.2	100.9
85°	68.4	68.4	65.0	62.5	60.9
87.5°	30.0	29.2	25.9	26.7	25.0
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	16.1	17.7	16.4	18.0	18.3	15.9	17.6	16.3	17.9	18.2
	3H	17.9	19.4	18.3	19.8	20.1	17.7	19.2	18.1	19.6	19.9
	4H	18.7	20.1	19.1	20.4	20.8	18.4	19.8	18.8	20.2	20.6
	6H	19.2	20.5	19.6	20.9	21.3	18.9	20.2	19.3	20.6	21.0
	8H	19.4	20.7	19.8	21.0	21.4	19.1	20.4	19.5	20.7	21.1
	12H	19.5	20.7	20.0	21.1	21.5	19.2	20.4	19.6	20.8	21.2
4H	2H	16.7	18.1	17.1	18.5	18.8	16.6	18.0	17.0	18.3	18.7
	3H	18.8	20.0	19.2	20.4	20.8	18.6	19.8	19.0	20.2	20.6
	4H	19.7	20.7	20.1	21.1	21.6	19.4	20.5	19.9	20.9	21.4
	6H	20.4	21.3	20.8	21.7	22.2	20.1	21.0	20.5	21.5	21.9
	8H	20.6	21.5	21.1	21.9	22.4	20.3	21.2	20.8	21.6	22.1
	12H	20.8	21.6	21.3	22.0	22.5	20.5	21.3	20.9	21.7	22.2
8H	4H	20.0	20.9	20.4	21.3	21.8	19.8	20.7	20.3	21.1	21.6
	6H	20.8	21.5	21.3	22.0	22.5	20.6	21.3	21.1	21.8	22.3
	8H	21.1	21.8	21.6	22.3	22.8	20.9	21.5	21.4	22.0	22.5
	12H	21.4	22.0	21.9	22.5	23.0	21.1	21.7	21.6	22.2	22.7
12H	4H	20.0	20.8	20.5	21.3	21.8	19.8	20.6	20.3	21.1	21.6
	6H	20.9	21.5	21.4	22.0	22.5	20.7	21.3	21.2	21.8	22.3
	8H	21.3	21.8	21.8	22.3	22.9	21.0	21.6	21.5	22.1	22.6













(END OF REPORT)