

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: P1555013

Luminaire Tested: 14CGTS-L3C39 4000 - LOW

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555013
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 - LOW
Description: OPP Panel 1x4 4000 LOW

Light Source:
Ballast/Driver: -

Summary

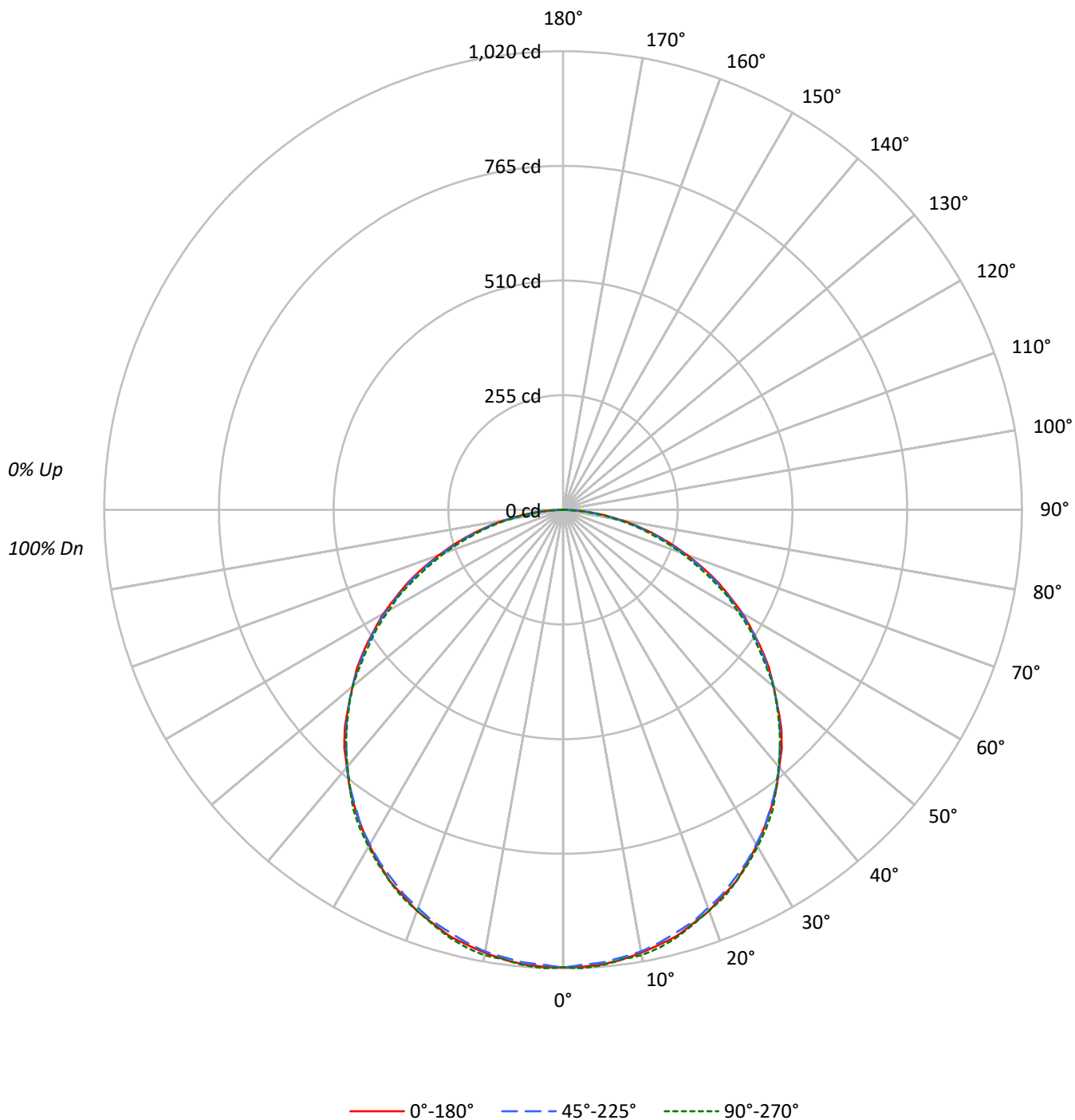
Lumens per Lamp: N/A
Luminaire Lumens: 2948.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.3
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	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	85	85	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	45	45	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	35	35	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2738	2738	2738
5°	2741	2730	2745
10°	2733	2725	2748
15°	2732	2710	2740
20°	2718	2698	2716
25°	2706	2684	2706
30°	2676	2669	2687
35°	2652	2645	2671
40°	2625	2625	2618
45°	2610	2594	2586
50°	2555	2558	2555
55°	2523	2507	2477
60°	2477	2455	2406
65°	2411	2379	2313
70°	2308	2270	2198
75°	2193	2127	2048
80°	2013	1959	1861
85°	1769	1683	1575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2610 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	3.3
10°-20°	276.2	9.4
20°-30°	418.9	14.2
30°-40°	505.4	17.1
40°-50°	526.0	17.8
50°-60°	477.7	16.2
60°-70°	367.7	12.5
70°-80°	217.0	7.4
80°-90°	62.7	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°	791.4	26.8
0°-40°	1296.9	44.0
0°-60°	2300.6	78.0
0°-90°	2948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1015	1018	1011	1018	1016	96
15°	981	977	973	979	983	276
25°	912	910	904	908	912	419
35°	807	810	805	807	813	505
45°	686	686	682	680	680	527
55°	538	538	534	531	528	480
65°	379	377	374	367	363	373
75°	211	210	205	200	197	223
85°	57	57	54	52	51	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.6	1017.6	1017.6	1017.6	1017.6
2.5°	1016.9	1019.0	1012.7	1020.4	1020.4
5°	1014.8	1018.3	1010.6	1017.6	1016.2
7.5°	1008.6	1007.2	1003.7	1012.0	1008.6
10°	1000.2	1003.0	997.4	1005.1	1005.8
12.5°	990.4	990.4	986.2	994.6	996.7
15°	980.6	977.1	972.9	979.2	983.4
17.5°	963.9	966.6	960.4	965.2	965.9
20°	949.2	947.1	942.2	950.6	948.5
22.5°	928.9	931.0	925.4	931.7	933.1
25°	911.5	910.1	903.8	908.0	911.5
27.5°	885.6	887.7	883.5	889.8	889.1
30°	861.2	863.3	859.1	861.9	864.7
32.5°	834.6	838.1	834.6	836.0	840.2
35°	807.4	809.5	805.3	807.4	813.0
37.5°	779.5	778.8	777.4	778.1	778.1
40°	747.3	747.3	747.3	747.3	745.2
42.5°	719.4	719.4	713.1	714.5	714.5
45°	685.9	685.9	681.7	680.3	679.6
47.5°	646.8	650.9	646.1	644.0	644.7
50°	610.4	613.2	611.1	608.3	610.4
52.5°	576.9	578.3	572.7	571.3	567.8
55°	537.8	537.8	534.3	530.8	528.0
57.5°	498.0	500.8	496.6	491.0	490.3
60°	460.3	458.9	456.1	449.8	447.0
62.5°	417.7	418.4	412.8	409.3	408.6
65°	378.6	377.2	373.7	367.4	363.2
67.5°	335.3	334.6	329.7	325.5	319.9
70°	293.3	292.6	288.5	282.2	279.4
72.5°	251.4	252.1	245.9	241.7	237.5
75°	210.9	210.2	204.6	200.5	197.0
77.5°	170.4	169.7	166.2	159.9	158.5
80°	129.9	131.3	126.4	122.2	120.1
82.5°	93.6	94.3	89.4	87.3	84.5
85°	57.3	57.3	54.5	52.4	51.0
87.5°	25.1	24.4	21.7	22.4	21.0
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	15.4	17.1	15.8	17.4	17.7	15.3	17.0	15.7	17.3	17.6
	3H	17.3	18.8	17.7	19.1	19.5	17.1	18.6	17.5	18.9	19.3
	4H	18.0	19.5	18.4	19.8	20.2	17.8	19.2	18.2	19.6	19.9
	6H	18.6	19.9	19.0	20.3	20.7	18.3	19.6	18.7	20.0	20.4
	8H	18.8	20.0	19.2	20.4	20.8	18.5	19.7	18.9	20.1	20.5
	12H	18.9	20.1	19.3	20.5	20.9	18.6	19.8	19.0	20.2	20.6
4H	2H	16.1	17.5	16.5	17.8	18.2	16.0	17.4	16.4	17.7	18.1
	3H	18.2	19.4	18.6	19.8	20.2	18.0	19.2	18.4	19.6	20.0
	4H	19.0	20.1	19.5	20.5	21.0	18.8	19.9	19.3	20.3	20.8
	6H	19.7	20.7	20.2	21.1	21.6	19.5	20.4	19.9	20.9	21.3
	8H	20.0	20.9	20.4	21.3	21.8	19.7	20.6	20.1	21.0	21.5
	12H	20.2	21.0	20.6	21.4	21.9	19.8	20.6	20.3	21.1	21.6
8H	4H	19.4	20.2	19.8	20.7	21.2	19.2	20.1	19.6	20.5	21.0
	6H	20.2	20.9	20.7	21.4	21.9	20.0	20.7	20.4	21.2	21.6
	8H	20.5	21.2	21.0	21.7	22.2	20.2	20.9	20.8	21.4	21.9
	12H	20.8	21.4	21.3	21.9	22.4	20.5	21.1	21.0	21.5	22.1
12H	4H	19.4	20.2	19.9	20.7	21.1	19.2	20.0	19.7	20.5	21.0
	6H	20.3	20.9	20.8	21.4	21.9	20.0	20.7	20.6	21.2	21.7
	8H	20.6	21.2	21.1	21.7	22.3	20.4	21.0	20.9	21.5	22.0













(END OF REPORT)