

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: P1555015

Luminaire Tested: 14CGTS-L3C39 5000 - LOW

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555015
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 5000 - LOW
Description: OPP Panel 1x4 5000 LOW

Light Source:
Ballast/Driver: -

Summary

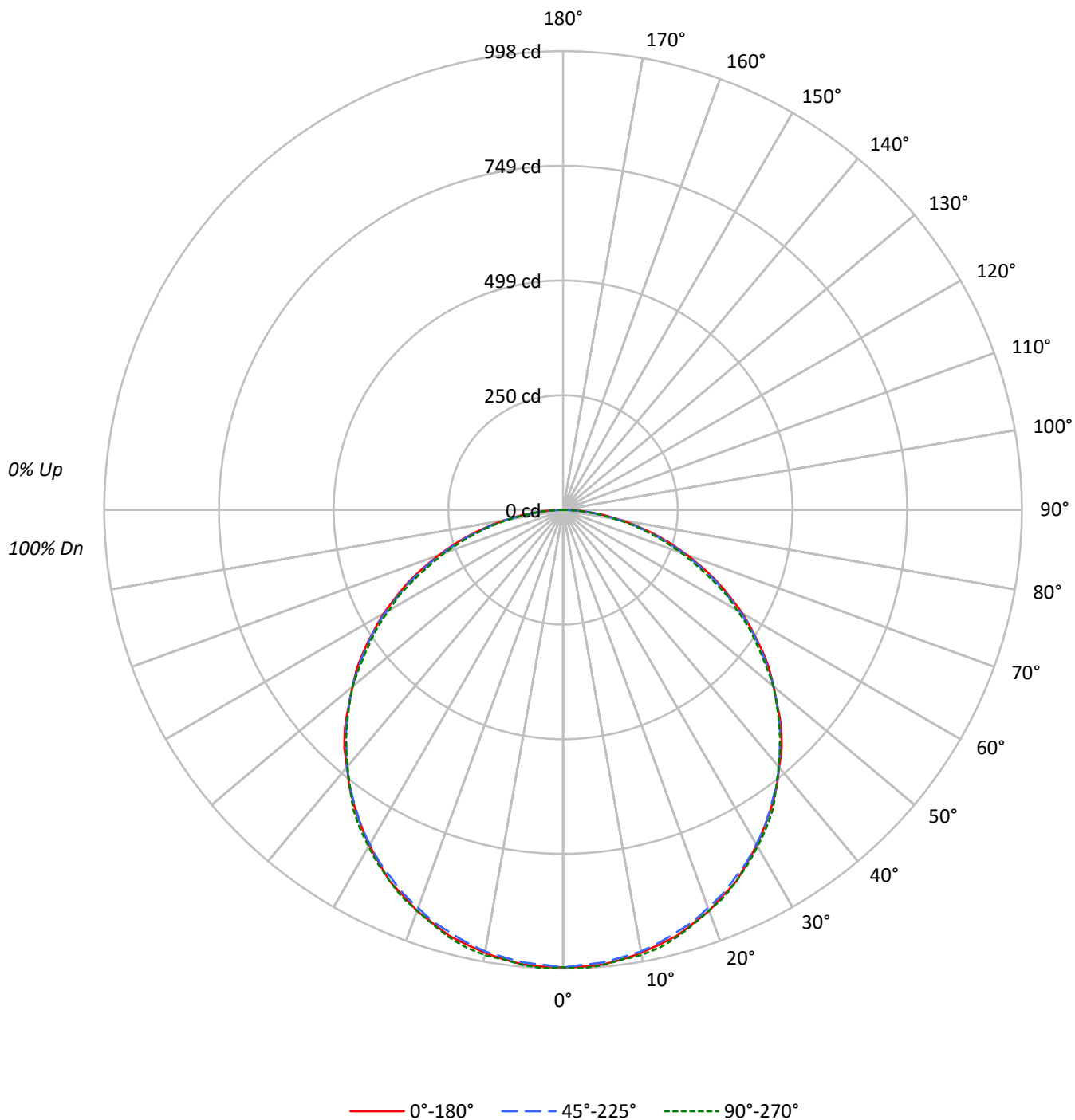
Lumens per Lamp: N/A
Luminaire Lumens: 2884.0 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.8
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	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°	2679	2679	2679
5°	2682	2671	2686
10°	2674	2666	2688
15°	2673	2652	2680
20°	2659	2639	2657
25°	2648	2625	2648
30°	2618	2611	2628
35°	2595	2588	2613
40°	2568	2568	2561
45°	2554	2538	2530
50°	2500	2503	2500
55°	2468	2452	2424
60°	2423	2401	2354
65°	2358	2328	2262
70°	2258	2220	2150
75°	2146	2082	2004
80°	1970	1917	1821
85°	1729	1646	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.3
10°-20°	270.2	9.4
20°-30°	409.8	14.2
30°-40°	494.5	17.1
40°-50°	514.6	17.8
50°-60°	467.4	16.2
60°-70°	359.7	12.5
70°-80°	212.3	7.4
80°-90°	61.4	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°	774.2	26.8
0°-40°	1268.7	44.0
0°-60°	2250.7	78.0
0°-90°	2884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	993	996	989	996	994	94
15°	959	956	952	958	962	270
25°	892	890	884	888	892	410
35°	790	792	788	790	795	494
45°	671	671	667	666	665	516
55°	526	526	523	519	517	470
65°	370	369	366	359	355	365
75°	206	206	200	196	193	218
85°	56	56	53	51	50	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.5	995.5	995.5	995.5	995.5
2.5°	994.9	996.9	990.8	998.3	998.3
5°	992.8	996.2	988.7	995.5	994.2
7.5°	986.7	985.3	981.9	990.1	986.7
10°	978.5	981.2	975.7	983.2	983.9
12.5°	968.9	968.9	964.8	973.0	975.0
15°	959.3	955.9	951.8	958.0	962.1
17.5°	942.9	945.7	939.5	944.3	945.0
20°	928.6	926.5	921.7	929.9	927.9
22.5°	908.8	910.8	905.3	911.5	912.9
25°	891.7	890.3	884.2	888.3	891.7
27.5°	866.4	868.4	864.3	870.5	869.8
30°	842.5	844.5	840.4	843.2	845.9
32.5°	816.5	819.9	816.5	817.9	822.0
35°	789.9	791.9	787.8	789.9	795.3
37.5°	762.5	761.9	760.5	761.2	761.2
40°	731.1	731.1	731.1	731.1	729.1
42.5°	703.8	703.8	697.6	699.0	699.0
45°	671.0	671.0	666.9	665.5	664.8
47.5°	632.7	636.8	632.0	630.0	630.7
50°	597.2	599.9	597.9	595.1	597.2
52.5°	564.4	565.8	560.3	558.9	555.5
55°	526.1	526.1	522.7	519.3	516.6
57.5°	487.2	489.9	485.8	480.3	479.7
60°	450.3	448.9	446.2	440.0	437.3
62.5°	408.6	409.3	403.8	400.4	399.7
65°	370.3	369.0	365.6	359.4	355.3
67.5°	328.0	327.3	322.5	318.4	312.9
70°	287.0	286.3	282.2	276.0	273.3
72.5°	246.0	246.7	240.5	236.4	232.3
75°	206.4	205.7	200.2	196.1	192.7
77.5°	166.7	166.0	162.6	156.5	155.1
80°	127.1	128.5	123.7	119.6	117.5
82.5°	91.6	92.2	87.5	85.4	82.7
85°	56.0	56.0	53.3	51.2	49.9
87.5°	24.6	23.9	21.2	21.9	20.5
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	17.0	15.7	17.3	17.6	15.2	16.9	15.6	17.2	17.5
	3H	17.2	18.7	17.6	19.1	19.4	17.0	18.5	17.4	18.9	19.2
	4H	18.0	19.4	18.4	19.7	20.1	17.7	19.1	18.1	19.5	19.9
	6H	18.5	19.8	18.9	20.2	20.6	18.2	19.6	18.7	19.9	20.3
	8H	18.7	20.0	19.1	20.3	20.7	18.4	19.7	18.8	20.1	20.4
	12H	18.8	20.0	19.3	20.4	20.8	18.5	19.7	19.0	20.1	20.5
4H	2H	16.0	17.4	16.4	17.8	18.1	15.9	17.3	16.3	17.7	18.0
	3H	18.1	19.3	18.5	19.7	20.1	17.9	19.1	18.3	19.5	19.9
	4H	19.0	20.0	19.4	20.5	20.9	18.8	19.8	19.2	20.2	20.7
	6H	19.7	20.6	20.1	21.0	21.5	19.4	20.3	19.8	20.8	21.2
	8H	19.9	20.8	20.4	21.2	21.7	19.6	20.5	20.1	20.9	21.4
	12H	20.1	20.9	20.6	21.4	21.8	19.8	20.6	20.2	21.0	21.5
8H	4H	19.3	20.2	19.8	20.6	21.1	19.1	20.0	19.6	20.4	20.9
	6H	20.1	20.9	20.6	21.3	21.8	19.9	20.6	20.4	21.1	21.6
	8H	20.4	21.1	21.0	21.6	22.1	20.2	20.8	20.7	21.3	21.8
	12H	20.7	21.3	21.2	21.8	22.3	20.4	21.0	20.9	21.5	22.0
12H	4H	19.3	20.1	19.8	20.6	21.1	19.1	19.9	19.6	20.4	20.9
	6H	20.2	20.9	20.7	21.3	21.9	20.0	20.6	20.5	21.1	21.6
	8H	20.6	21.2	21.1	21.6	22.2	20.3	20.9	20.8	21.4	21.9













(END OF REPORT)