

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: P1555019

Luminaire Tested: 22CGTS-L3C39 3500 - LOW

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555019
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 3500 - LOW
Description: OPP Panel 2x2 3500 LOW

Light Source:
Ballast/Driver: -

Summary

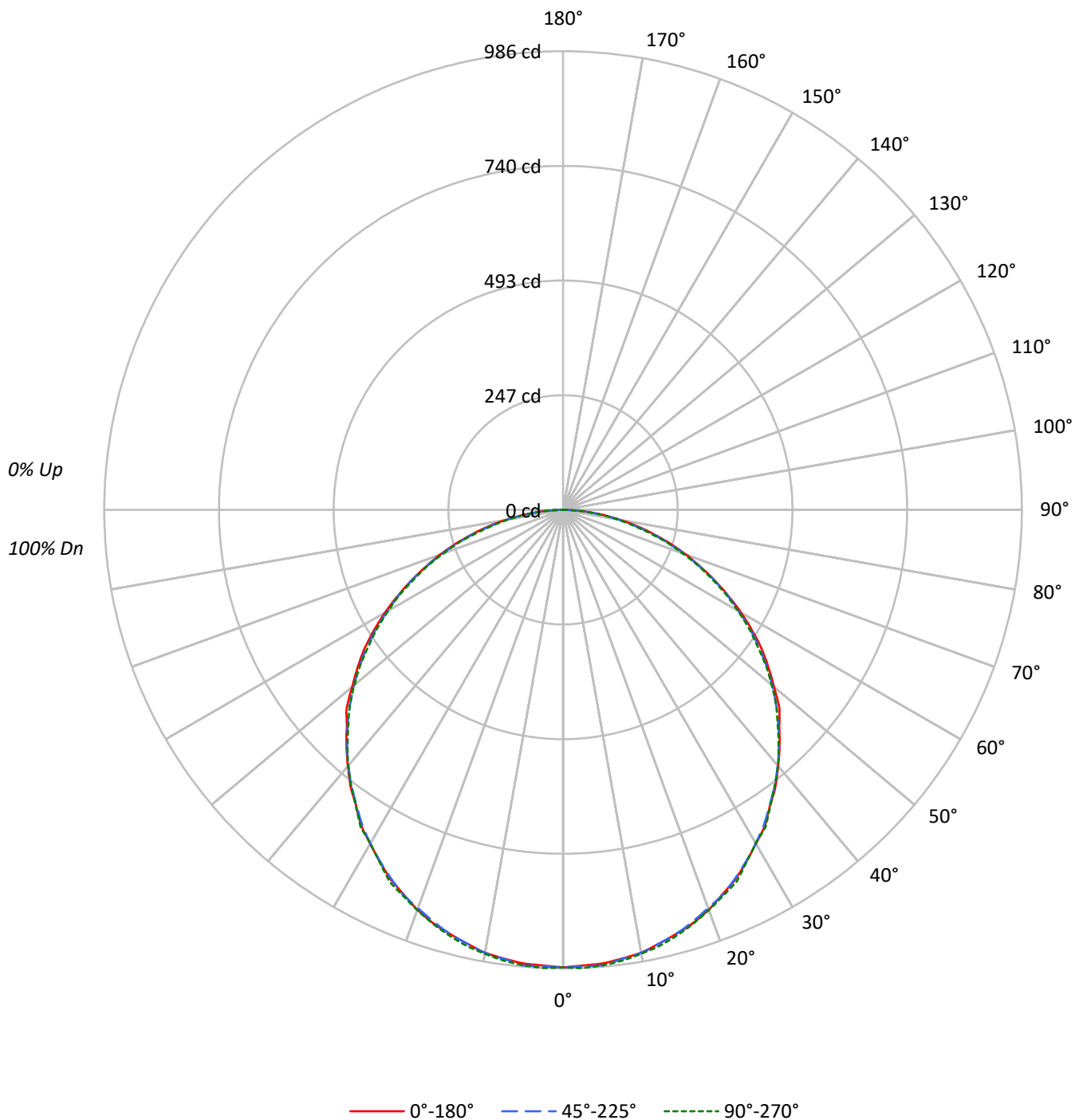
Lumens per Lamp: N/A
Luminaire Lumens: 2839.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.9
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°	2647	2647	2647
5°	2645	2656	2656
10°	2642	2644	2648
15°	2628	2628	2639
20°	2621	2609	2623
25°	2603	2597	2619
30°	2576	2574	2572
35°	2548	2544	2551
40°	2526	2522	2524
45°	2501	2491	2483
50°	2475	2455	2450
55°	2445	2411	2391
60°	2377	2345	2334
65°	2294	2285	2251
70°	2209	2178	2146
75°	2093	2059	1995
80°	1940	1878	1826
85°	1704	1664	1599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 2513 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.3
10°-20°	266.6	9.4
20°-30°	403.7	14.2
30°-40°	486.5	17.1
40°-50°	506.1	17.8
50°-60°	459.7	16.2
60°-70°	353.5	12.5
70°-80°	208.7	7.3
80°-90°	60.9	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°	763.5	26.9
0°-40°	1250.0	44.0
0°-60°	2215.9	78.1
0°-90°	2839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	979	982	983	982	983	93
15°	943	947	943	945	947	266
25°	877	874	875	879	882	403
35°	776	779	774	778	776	487
45°	657	660	654	656	652	508
55°	521	516	514	514	510	464
65°	360	359	359	354	354	357
75°	201	200	198	195	192	214
85°	55	54	54	52	52	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	983.8	983.8	983.8	983.8	983.8
2.5°	980.4	981.1	981.8	980.4	985.8
5°	979.1	981.8	983.1	981.8	983.1
7.5°	973.0	973.7	973.7	976.4	977.7
10°	967.0	965.6	967.6	969.7	969.0
12.5°	954.8	954.8	954.8	957.5	960.2
15°	943.4	946.8	943.4	945.4	947.4
17.5°	931.3	930.6	927.9	932.6	932.6
20°	915.1	912.4	911.1	915.8	915.8
22.5°	894.9	898.3	896.3	896.3	898.3
25°	876.7	874.0	874.7	879.4	882.1
27.5°	853.2	855.9	851.8	853.8	853.8
30°	828.9	830.3	828.3	830.9	827.6
32.5°	806.7	806.7	803.3	805.4	809.4
35°	775.7	779.1	774.4	778.4	776.4
37.5°	750.1	750.8	747.4	750.8	747.4
40°	719.2	719.2	717.8	719.2	718.5
42.5°	688.9	688.9	686.8	688.2	685.5
45°	657.2	659.9	654.5	656.5	652.5
47.5°	631.0	624.9	620.9	622.9	621.5
50°	591.2	589.2	586.5	587.9	585.2
52.5°	556.2	551.5	550.8	549.5	549.5
55°	521.2	516.5	513.8	514.5	509.7
57.5°	481.5	478.1	476.8	474.7	473.4
60°	441.7	439.7	435.7	435.0	433.7
62.5°	400.0	400.0	398.0	396.6	395.9
65°	360.3	358.9	358.9	353.5	353.5
67.5°	319.2	319.2	317.8	313.1	315.1
70°	280.8	278.1	276.8	274.7	272.7
72.5°	241.7	239.0	235.7	234.3	234.3
75°	201.3	200.0	198.0	194.6	191.9
77.5°	164.3	160.9	157.6	155.5	153.5
80°	125.2	123.9	121.2	118.5	117.8
82.5°	90.2	88.9	86.9	84.2	84.8
85°	55.2	54.5	53.9	51.8	51.8
87.5°	24.2	23.6	22.9	21.5	22.2
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	15.3	16.9	15.6	17.2	17.5	15.2	16.9	15.6	17.2	17.5
	3H	17.1	18.6	17.5	18.9	19.3	17.0	18.5	17.4	18.9	19.2
	4H	17.9	19.3	18.3	19.6	20.0	17.7	19.1	18.1	19.5	19.9
	6H	18.4	19.7	18.8	20.1	20.5	18.2	19.6	18.7	19.9	20.3
	8H	18.6	19.9	19.0	20.2	20.6	18.4	19.7	18.8	20.1	20.5
	12H	18.7	19.9	19.2	20.3	20.7	18.5	19.7	19.0	20.1	20.6
4H	2H	15.9	17.3	16.3	17.7	18.0	15.9	17.3	16.3	17.6	18.0
	3H	18.0	19.2	18.4	19.6	20.0	17.9	19.1	18.3	19.5	19.9
	4H	18.9	19.9	19.3	20.3	20.8	18.7	19.8	19.2	20.2	20.7
	6H	19.6	20.5	20.0	20.9	21.4	19.4	20.3	19.8	20.8	21.2
	8H	19.8	20.7	20.3	21.1	21.6	19.6	20.5	20.1	20.9	21.4
	12H	20.0	20.8	20.5	21.2	21.7	19.8	20.6	20.3	21.1	21.5
8H	4H	19.2	20.1	19.6	20.5	21.0	19.1	20.0	19.5	20.4	20.9
	6H	20.0	20.7	20.5	21.2	21.7	19.9	20.6	20.4	21.1	21.6
	8H	20.3	21.0	20.8	21.5	22.0	20.2	20.8	20.7	21.3	21.8
	12H	20.6	21.2	21.1	21.7	22.2	20.4	21.0	20.9	21.5	22.0
12H	4H	19.2	20.0	19.7	20.5	21.0	19.1	19.9	19.6	20.4	20.9
	6H	20.1	20.7	20.6	21.2	21.7	19.9	20.6	20.5	21.1	21.6
	8H	20.5	21.0	21.0	21.5	22.1	20.3	20.9	20.8	21.4	21.9













(END OF REPORT)