

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: IRiS

Report Number: P1340869

Luminaire Tested: P3A09R259030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1340869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R259030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

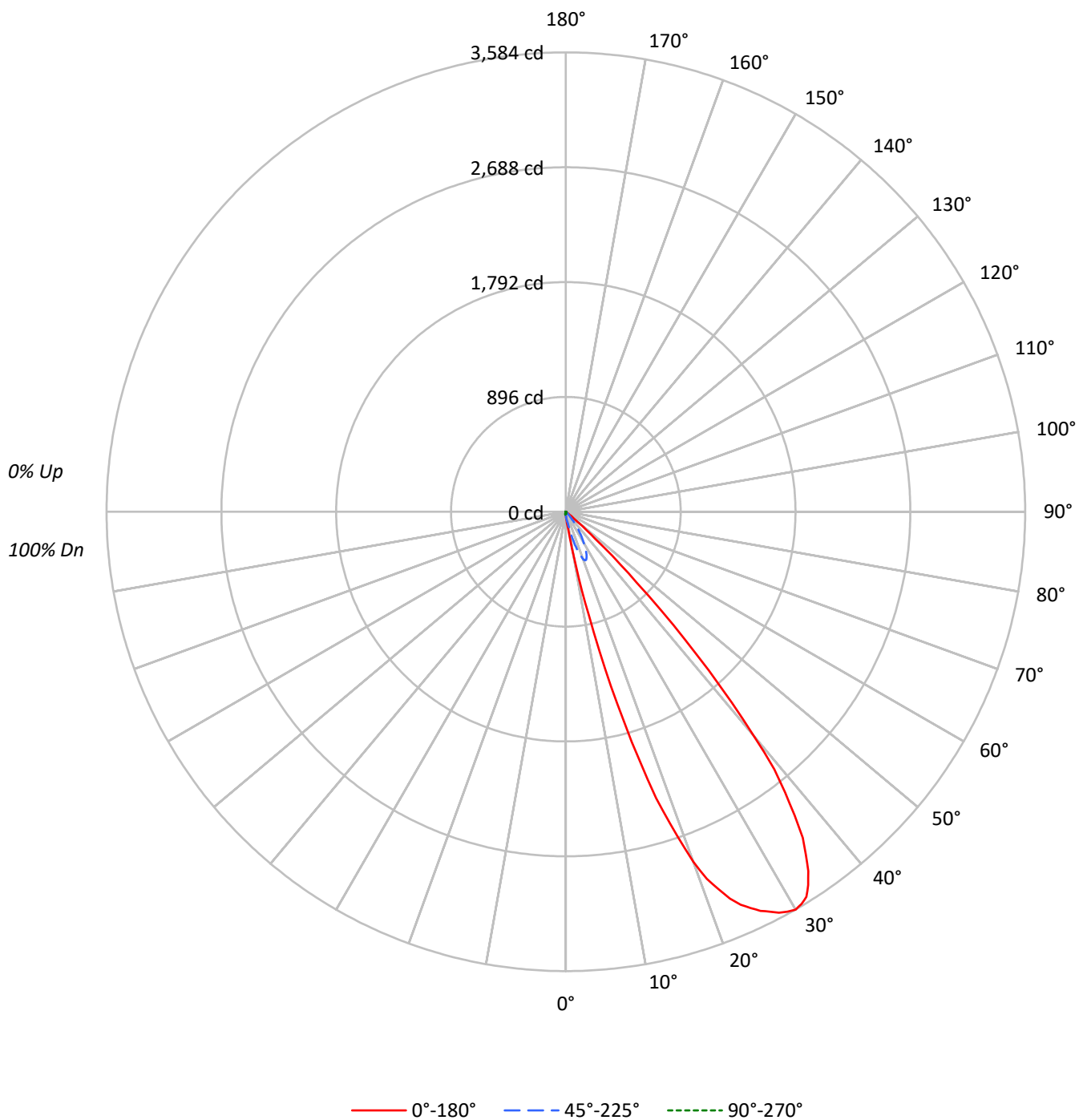
Lumens per Lamp: N/A
Luminaire Lumens: 717.0 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6754	6754	6754	6754	6754
5°	16927	12525	6339	3236	2509
10°	74036	21309	5210	1492	1047
15°	352034	57412	3655	613	454
20°	677659	91941	2334	163	163
25°	825314	92739	1307	0	0
30°	907405	70973	506	0	0
35°	874444	45133	187	0	0
40°	653367	19522	0	0	200
45°	241886	5179	217	217	620
50°	28519	682	443	443	921
55°	2829	0	497	765	1262
60°	307	0	877	1184	1447
65°	363	363	1401	1712	2075
70°	449	449	1731	1731	2565
75°	593	593	1694	1694	2288
80°	0	884	2526	1642	2526
85°	0	1761	5032	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 241886 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.6
10°-20°	83.6	11.7
20°-30°	262.4	36.6
30°-40°	276.2	38.5
40°-50°	81.1	11.3
50°-60°	4.3	0.6
60°-70°	2.1	0.3
70°-80°	1.8	0.3
80°-90°	0.9	0.1
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°	350.4	48.9
0°-40°	626.6	87.4
0°-60°	712.1	99.3
0°-90°	717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	717.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	77	57	29	15	11	14
15°	1551	253	16	3	2	489
25°	3411	383	5	0	0	1565
35°	3267	169	1	0	0	1971
45°	780	17	1	1	2	709
55°	7	0	1	2	3	19
65°	1	1	3	3	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	47.5	48.2	46.2	47.5	46.2	45.5	44.8	41.5	36.1	30.8	25.4
5°	76.9	76.9	73.6	72.9	71.6	68.9	66.2	56.9	40.8	28.8	20.1
7.5°	120.4	119.7	118.4	115.1	108.4	101.7	95.0	74.3	44.8	26.8	15.4
10°	332.5	327.8	321.8	285.7	244.8	208.7	177.3	95.7	48.2	23.4	11.4
12.5°	826.2	799.4	735.9	663.6	571.3	474.3	379.3	155.9	49.5	19.4	8.0
15°	1550.7	1495.1	1396.1	1251.6	1063.0	850.9	670.3	252.9	48.2	16.1	6.0
17.5°	2341.4	2287.9	2150.7	1931.3	1653.7	1327.9	1008.1	335.2	44.8	13.4	4.0
20°	2904.0	2847.1	2718.7	2485.9	2185.5	1751.4	1327.2	394.0	42.1	10.0	2.0
21°	3068.6	3011.7	2875.9	2651.1	2335.4	1899.9	1429.6	404.1	40.1	8.7	1.3
22°	3172.9	3139.5	2993.6	2775.6	2453.8	2019.0	1517.2	408.7	38.8	8.0	1.3
23°	3278.0	3227.8	3091.3	2861.2	2544.1	2107.3	1582.1	405.4	37.5	6.7	0.7
24°	3355.6	3313.4	3154.9	2927.4	2607.0	2161.4	1620.2	396.7	35.5	6.0	0.7
25°	3411.1	3372.3	3207.0	2972.2	2649.1	2190.9	1632.3	383.3	33.4	5.4	0.7
26°	3463.9	3421.8	3250.5	2998.3	2671.2	2200.2	1620.9	368.6	31.4	4.7	0.0
27°	3502.1	3459.2	3280.6	3013.7	2672.5	2188.9	1590.1	348.5	29.4	4.0	0.0
28°	3542.9	3493.4	3301.4	3022.4	2664.5	2162.1	1546.0	327.1	28.1	3.3	0.0
29°	3567.6	3520.8	3322.8	3031.8	2647.8	2117.3	1481.8	301.7	24.8	2.0	0.0
30°	3583.7	3528.1	3320.8	3021.7	2625.7	2069.1	1404.8	280.3	21.4	2.0	0.0
31°	3570.3	3512.1	3299.4	2993.6	2590.3	2006.2	1325.9	253.5	17.4	1.3	0.0
32°	3541.5	3472.6	3261.9	2944.8	2526.7	1925.3	1244.3	231.5	12.7	1.3	0.0
33°	3471.3	3413.1	3194.3	2879.2	2443.7	1815.6	1137.9	210.1	8.7	0.7	0.0
34°	3383.0	3324.8	3102.0	2791.6	2332.7	1673.8	1008.8	188.0	7.4	0.7	0.0
35°	3266.6	3209.0	2997.7	2669.2	2185.5	1503.2	875.7	168.6	6.0	0.7	0.0
36°	3144.2	3067.9	2865.9	2538.7	1988.2	1309.2	733.2	146.5	4.7	0.7	0.0
37°	2964.2	2912.7	2688.6	2340.1	1774.8	1123.2	629.5	126.4	3.3	0.7	0.0
38°	2777.6	2730.1	2511.3	2140.0	1536.6	939.2	527.1	107.0	2.7	0.0	0.0
39°	2584.9	2506.0	2289.9	1883.8	1287.1	786.7	443.5	89.6	1.3	0.0	0.0
40°	2282.5	2222.3	1991.5	1576.1	1065.0	637.5	378.0	68.2	1.3	0.0	0.0
42.5°	1513.2	1457.0	1214.8	854.9	565.9	372.6	249.5	26.8	0.0	0.7	0.0
45°	780.0	744.6	604.7	447.5	321.1	228.8	160.6	16.7	0.0	0.7	0.7
47.5°	309.7	303.7	274.3	236.8	182.6	135.8	87.6	7.4	0.0	0.7	0.7
50°	83.6	84.3	78.9	72.9	66.2	62.2	36.8	2.0	0.0	1.3	0.7
52.5°	35.5	36.1	34.8	32.8	29.4	22.1	14.7	0.7	0.7	1.3	1.3
55°	7.4	8.0	8.7	9.4	10.7	9.4	6.0	0.0	0.7	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	2.0	2.0	1.3	0.0	0.7	1.3	2.0
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.3	2.0	2.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	2.0	2.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	2.7	2.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3	2.0	1.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	2.0	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	30.8	30.8	30.8
2.5°	21.4	19.4	18.7
5°	14.7	12.7	11.4
7.5°	10.0	8.0	7.4
10°	6.7	5.4	4.7
12.5°	4.7	2.7	2.7
15°	2.7	2.0	2.0
17.5°	1.3	0.7	0.7
20°	0.7	0.7	0.7
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.3
45°	0.7	1.3	2.0
47.5°	1.3	2.0	2.7
50°	1.3	2.7	2.7
52.5°	2.0	2.7	3.3
55°	2.0	3.3	3.3
57.5°	2.7	3.3	4.0
60°	2.7	3.3	3.3
62.5°	2.7	4.0	4.0
65°	3.3	4.0	4.0
67.5°	3.3	4.0	4.0
70°	2.7	3.3	4.0
72.5°	2.7	3.3	3.3
75°	2.0	2.7	2.7
77.5°	2.0	2.0	2.7
80°	1.3	2.0	2.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.3	1.3	1.3
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)