

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: P1344519

Luminaire Tested: P3A13R259735DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344519
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: P3A13R259735DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

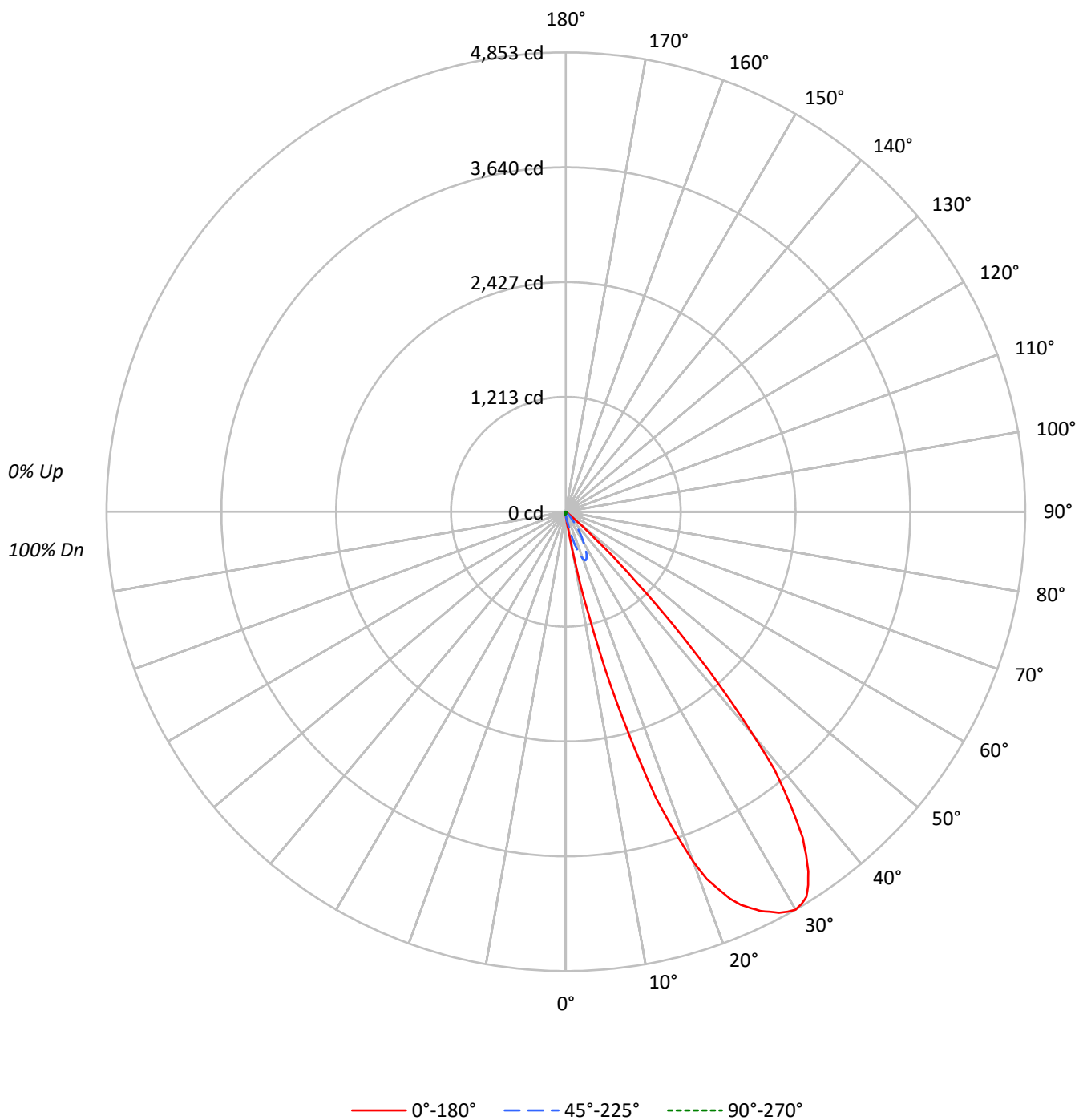
Lumens per Lamp: N/A
Luminaire Lumens: 970.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	9144	9144	9144	9144	9144
5°	22936	16949	8585	4380	3390
10°	100265	28857	7058	2026	1403
15°	476734	77753	4926	817	613
20°	917733	124517	3174	210	210
25°	1117686	125596	1742	0	0
30°	1228847	96116	684	0	0
35°	1184217	61114	241	0	0
40°	884829	26450	0	0	258
45°	327569	7008	279	279	837
50°	38617	921	614	614	1228
55°	3823	0	688	1032	1720
60°	395	0	1184	1579	1974
65°	467	467	1868	2335	2802
70°	577	577	2308	2308	3462
75°	763	763	2288	2288	3050
80°	0	1137	3410	2273	3410
85°	0	2264	6793	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 327569 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.6
10°-20°	113.2	11.7
20°-30°	355.3	36.6
30°-40°	374.0	38.5
40°-50°	109.9	11.3
50°-60°	5.9	0.6
60°-70°	2.8	0.3
70°-80°	2.4	0.3
80°-90°	1.3	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°	474.6	48.9
0°-40°	848.6	87.4
0°-60°	964.4	99.3
0°-90°	970.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	104	77	39	20	15	19
15°	2100	342	22	4	3	662
25°	4620	519	7	0	0	2119
35°	4424	228	1	0	0	2669
45°	1056	23	1	1	3	960
55°	10	0	2	3	4	25
65°	1	1	4	4	5	1
75°	1	1	3	3	4	1
85°	0	1	3	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°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2.5°	64.3	65.2	62.5	64.3	62.5	61.6	60.7	56.2	48.9	41.7	34.4
5°	104.2	104.2	99.7	98.7	96.9	93.3	89.7	77.0	55.3	39.0	27.2
7.5°	163.1	162.2	160.4	155.8	146.8	137.7	128.6	100.6	60.7	36.2	20.8
10°	450.3	443.9	435.8	386.8	331.6	282.7	240.1	129.6	65.2	31.7	15.4
12.5°	1118.9	1082.6	996.6	898.7	773.7	642.3	513.7	211.1	67.0	26.3	10.9
15°	2100.0	2024.8	1890.7	1695.0	1439.6	1152.4	907.8	342.5	65.2	21.7	8.2
17.5°	3170.8	3098.4	2912.6	2615.5	2239.5	1798.3	1365.3	453.9	60.7	18.1	5.4
20°	3932.8	3855.7	3681.8	3366.5	2959.8	2371.8	1797.4	533.6	57.1	13.6	2.7
21°	4155.6	4078.6	3894.7	3590.3	3162.7	2572.9	1936.0	547.2	54.4	11.8	1.8
22°	4296.9	4251.6	4054.1	3758.8	3323.0	2734.2	2054.7	553.5	52.5	10.9	1.8
23°	4439.2	4371.2	4186.4	3874.8	3445.3	2853.8	2142.6	549.0	50.7	9.1	0.9
24°	4544.3	4487.2	4272.5	3964.5	3530.5	2927.1	2194.2	537.2	48.0	8.2	0.9
25°	4619.5	4566.9	4343.1	4025.2	3587.6	2967.0	2210.5	519.1	45.3	7.2	0.9
26°	4691.0	4634.0	4402.0	4060.5	3617.5	2979.7	2195.1	499.2	42.6	6.3	0.0
27°	4742.7	4684.7	4442.8	4081.3	3619.3	2964.3	2153.5	472.0	39.9	5.4	0.0
28°	4797.9	4730.9	4470.9	4093.1	3608.4	2928.0	2093.7	443.0	38.1	4.5	0.0
29°	4831.5	4768.0	4499.9	4105.8	3585.8	2867.3	2006.7	408.6	33.5	2.7	0.0
30°	4853.2	4778.0	4497.2	4092.2	3555.9	2802.1	1902.5	379.6	29.0	2.7	0.0
31°	4835.1	4756.3	4468.2	4054.1	3507.9	2717.0	1795.6	343.4	23.6	1.8	0.0
32°	4796.1	4702.8	4417.4	3988.0	3421.8	2607.3	1685.1	313.5	17.2	1.8	0.0
33°	4701.0	4622.2	4325.9	3899.2	3309.5	2458.8	1541.0	284.5	11.8	0.9	0.0
34°	4581.4	4502.6	4200.9	3780.6	3159.1	2266.7	1366.2	254.6	10.0	0.9	0.0
35°	4423.8	4345.9	4059.6	3614.8	2959.8	2035.7	1185.9	228.3	8.2	0.9	0.0
36°	4258.0	4154.7	3881.1	3438.1	2692.5	1773.0	992.9	198.4	6.3	0.9	0.0
37°	4014.3	3944.5	3641.0	3169.0	2403.5	1521.1	852.5	171.2	4.5	0.9	0.0
38°	3761.5	3697.2	3401.0	2898.2	2081.0	1272.0	713.9	145.0	3.6	0.0	0.0
39°	3500.6	3393.7	3101.1	2551.2	1743.1	1065.4	600.6	121.4	1.8	0.0	0.0
40°	3091.1	3009.6	2697.0	2134.4	1442.3	863.4	511.9	92.4	1.8	0.0	0.0
42.5°	2049.3	1973.2	1645.2	1157.8	766.4	504.6	337.9	36.2	0.0	0.9	0.0
45°	1056.3	1008.3	819.0	606.1	434.9	309.8	217.4	22.6	0.0	0.9	0.9
47.5°	419.5	411.3	371.4	320.7	247.3	183.9	118.7	10.0	0.0	0.9	0.9
50°	113.2	114.2	106.9	98.7	89.7	84.3	49.8	2.7	0.0	1.8	0.9
52.5°	48.0	48.9	47.1	44.4	39.9	29.9	19.9	0.9	0.9	1.8	1.8
55°	10.0	10.9	11.8	12.7	14.5	12.7	8.2	0.0	0.9	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	0.0	0.9	1.8	2.7
60°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.8	2.7	2.7
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	3.6	3.6
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	3.6
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	3.6
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	2.7
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	2.7	2.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	2.7	2.7
80°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	2.7	1.8



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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	0.9	0.9	1.8	2.7	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	1.8
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°	41.7	41.7	41.7
2.5°	29.0	26.3	25.4
5°	19.9	17.2	15.4
7.5°	13.6	10.9	10.0
10°	9.1	7.2	6.3
12.5°	6.3	3.6	3.6
15°	3.6	2.7	2.7
17.5°	1.8	0.9	0.9
20°	0.9	0.9	0.9
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	0.9
39°	0.0	0.9	0.9
40°	0.0	0.9	0.9
42.5°	0.0	0.9	1.8
45°	0.9	1.8	2.7
47.5°	1.8	2.7	3.6
50°	1.8	3.6	3.6
52.5°	2.7	3.6	4.5
55°	2.7	4.5	4.5
57.5°	3.6	4.5	5.4
60°	3.6	4.5	4.5
62.5°	3.6	5.4	5.4
65°	4.5	5.4	5.4
67.5°	4.5	5.4	5.4
70°	3.6	4.5	5.4
72.5°	3.6	4.5	4.5
75°	2.7	3.6	3.6
77.5°	2.7	2.7	3.6
80°	1.8	2.7	2.7

TEST NUMBER: P1344519

CATALOG NUMBER: P3A13R259735DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.8	1.8	1.8
85°	0.9	0.9	0.9
87.5°	0.9	0.9	0.9
90°	0.0	0.0	0.0

(END OF REPORT)