

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: P1344512

Luminaire Tested: P3A13R259735DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344512
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 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

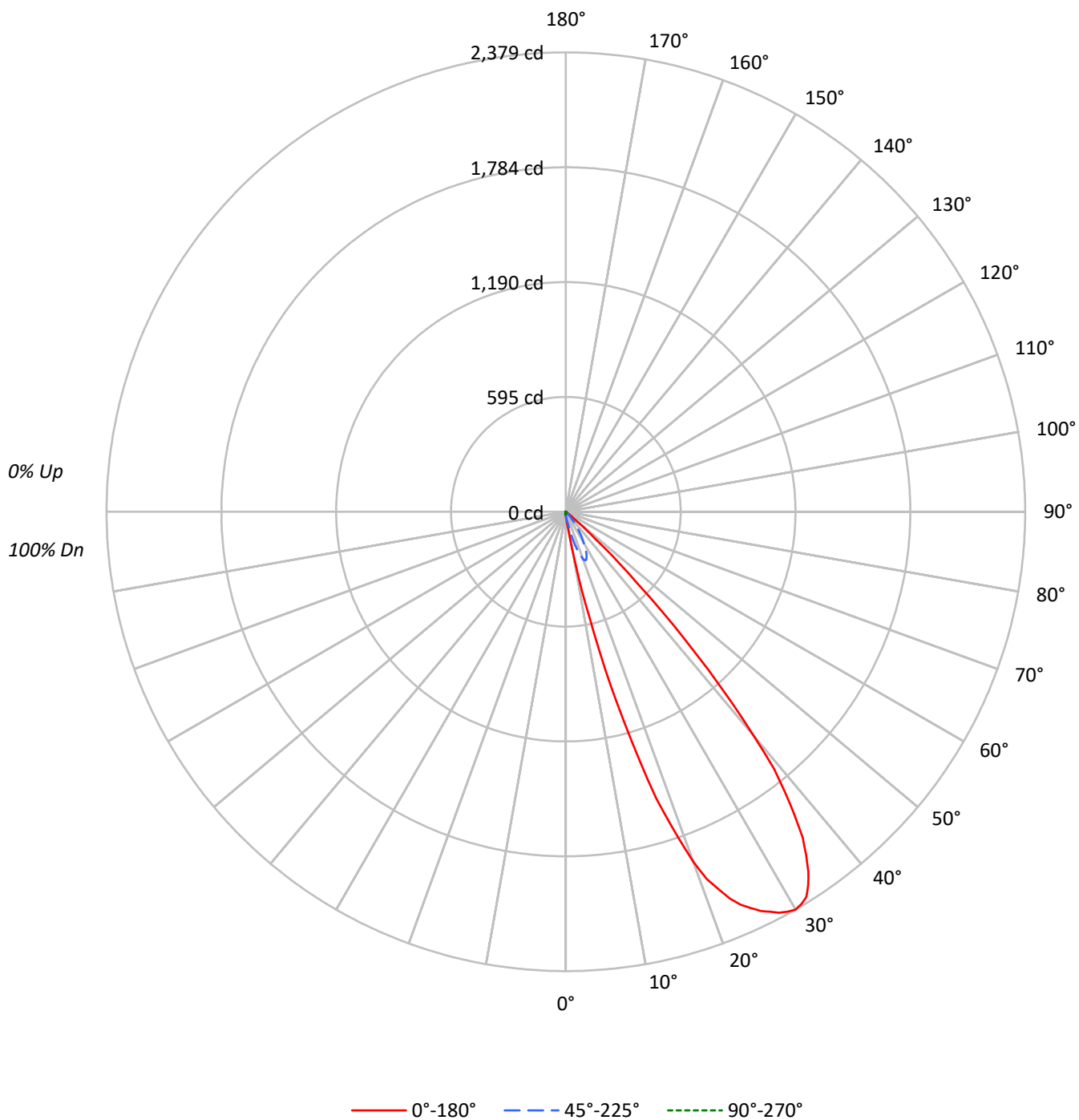
Lumens per Lamp: N/A
Luminaire Lumens: 475.9 lumens
Efficiency: N/A
Efficacy: 32.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4473	4473	4473	4473	4473
5°	11248	8298	4204	2157	1651
10°	49142	14139	3451	980	690
15°	233713	38116	2429	409	295
20°	449882	61045	1563	93	93
25°	547895	61576	871	0	0
30°	602396	47121	329	0	0
35°	580517	29955	107	0	0
40°	433756	12967	0	0	115
45°	160575	3442	124	124	403
50°	18933	443	307	307	614
55°	1873	0	344	497	841
60°	175	0	570	789	965
65°	208	208	934	1141	1401
70°	256	256	1154	1154	1731
75°	339	339	1101	1101	1525
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 160575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.6
10°-20°	55.5	11.7
20°-30°	174.2	36.6
30°-40°	183.4	38.5
40°-50°	53.9	11.3
50°-60°	2.9	0.6
60°-70°	1.4	0.3
70°-80°	1.2	0.2
80°-90°	0.6	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°	232.7	48.9
0°-40°	416.0	87.4
0°-60°	472.7	99.3
0°-90°	475.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	51	38	19	10	8	9
15°	1030	168	11	2	1	325
25°	2264	254	4	0	0	1039
35°	2169	112	0	0	0	1309
45°	518	11	0	0	1	471
55°	5	0	1	1	2	12
65°	0	0	2	2	3	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	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°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	31.5	32.0	30.6	31.5	30.6	30.2	29.8	27.5	24.0	20.4	16.9
5°	51.1	51.1	48.9	48.4	47.5	45.7	44.0	37.7	27.1	19.1	13.3
7.5°	79.9	79.5	78.6	76.4	71.9	67.5	63.1	49.3	29.8	17.8	10.2
10°	220.7	217.6	213.6	189.6	162.5	138.6	117.7	63.5	32.0	15.5	7.5
12.5°	548.5	530.7	488.5	440.6	379.3	314.9	251.8	103.5	32.9	12.9	5.3
15°	1029.5	992.6	926.9	830.9	705.7	564.9	445.0	167.9	32.0	10.7	4.0
17.5°	1554.4	1518.9	1427.8	1282.2	1097.8	881.6	669.3	222.5	29.8	8.9	2.7
20°	1927.9	1890.1	1804.9	1650.3	1450.9	1162.7	881.1	261.6	28.0	6.7	1.3
21°	2037.2	1999.4	1909.2	1760.0	1550.4	1261.3	949.1	268.2	26.6	5.8	0.9
22°	2106.4	2084.2	1987.4	1842.6	1629.0	1340.3	1007.3	271.4	25.8	5.3	0.9
23°	2176.2	2142.9	2052.3	1899.5	1689.0	1399.0	1050.3	269.1	24.9	4.4	0.4
24°	2227.7	2199.7	2094.4	1943.4	1730.7	1434.9	1075.6	263.4	23.5	4.0	0.4
25°	2264.5	2238.8	2129.1	1973.2	1758.7	1454.5	1083.6	254.5	22.2	3.6	0.4
26°	2299.6	2271.6	2158.0	1990.5	1773.3	1460.7	1076.1	244.7	20.9	3.1	0.0
27°	2324.9	2296.5	2177.9	2000.7	1774.2	1453.1	1055.7	231.4	19.5	2.7	0.0
28°	2352.0	2319.2	2191.7	2006.5	1768.9	1435.4	1026.3	217.2	18.7	2.2	0.0
29°	2368.5	2337.4	2205.9	2012.7	1757.8	1405.6	983.7	200.3	16.4	1.3	0.0
30°	2379.1	2342.3	2204.6	2006.1	1743.1	1373.6	932.6	186.1	14.2	1.3	0.0
31°	2370.2	2331.6	2190.4	1987.4	1719.6	1331.9	880.2	168.3	11.5	0.9	0.0
32°	2351.1	2305.4	2165.5	1955.0	1677.4	1278.2	826.1	153.7	8.4	0.9	0.0
33°	2304.5	2265.9	2120.6	1911.5	1622.3	1205.3	755.4	139.5	5.8	0.4	0.0
34°	2245.9	2207.2	2059.4	1853.3	1548.6	1111.2	669.7	124.8	4.9	0.4	0.0
35°	2168.6	2130.4	1990.1	1772.0	1450.9	997.9	581.3	111.9	4.0	0.4	0.0
36°	2087.3	2036.7	1902.6	1685.4	1319.9	869.1	486.7	97.3	3.1	0.4	0.0
37°	1967.9	1933.7	1784.9	1553.5	1178.2	745.7	417.9	83.9	2.2	0.4	0.0
38°	1844.0	1812.4	1667.2	1420.7	1020.1	623.5	350.0	71.1	1.8	0.0	0.0
39°	1716.1	1663.7	1520.2	1250.6	854.5	522.3	294.4	59.5	0.9	0.0	0.0
40°	1515.3	1475.3	1322.1	1046.3	707.0	423.2	250.9	45.3	0.9	0.0	0.0
42.5°	1004.6	967.3	806.5	567.6	375.7	247.4	165.7	17.8	0.0	0.4	0.0
45°	517.8	494.3	401.5	297.1	213.2	151.9	106.6	11.1	0.0	0.4	0.4
47.5°	205.6	201.6	182.1	157.2	121.2	90.2	58.2	4.9	0.0	0.4	0.4
50°	55.5	56.0	52.4	48.4	44.0	41.3	24.4	1.3	0.0	0.9	0.4
52.5°	23.5	24.0	23.1	21.8	19.5	14.7	9.8	0.4	0.4	0.9	0.9
55°	4.9	5.3	5.8	6.2	7.1	6.2	4.0	0.0	0.4	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.0	0.4	0.9	1.3
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9	1.3	1.3
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.8	1.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	0.9



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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	0.4	0.4	0.9	1.3	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
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°	20.4	20.4	20.4
2.5°	14.2	12.9	12.4
5°	9.8	8.4	7.5
7.5°	6.7	5.3	4.9
10°	4.4	3.6	3.1
12.5°	3.1	1.8	1.8
15°	1.8	1.3	1.3
17.5°	0.9	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.9
45°	0.4	0.9	1.3
47.5°	0.9	1.3	1.8
50°	0.9	1.8	1.8
52.5°	1.3	1.8	2.2
55°	1.3	2.2	2.2
57.5°	1.8	2.2	2.7
60°	1.8	2.2	2.2
62.5°	1.8	2.7	2.7
65°	2.2	2.7	2.7
67.5°	2.2	2.7	2.7
70°	1.8	2.2	2.7
72.5°	1.8	2.2	2.2
75°	1.3	1.8	1.8
77.5°	1.3	1.3	1.8
80°	0.9	1.3	1.3

TEST NUMBER: P1344512

CATALOG NUMBER: P3A13R259735DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.9	0.9	0.9
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)