

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: P1344393

Luminaire Tested: P3A13R259027DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344393
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: P3A13R259027DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

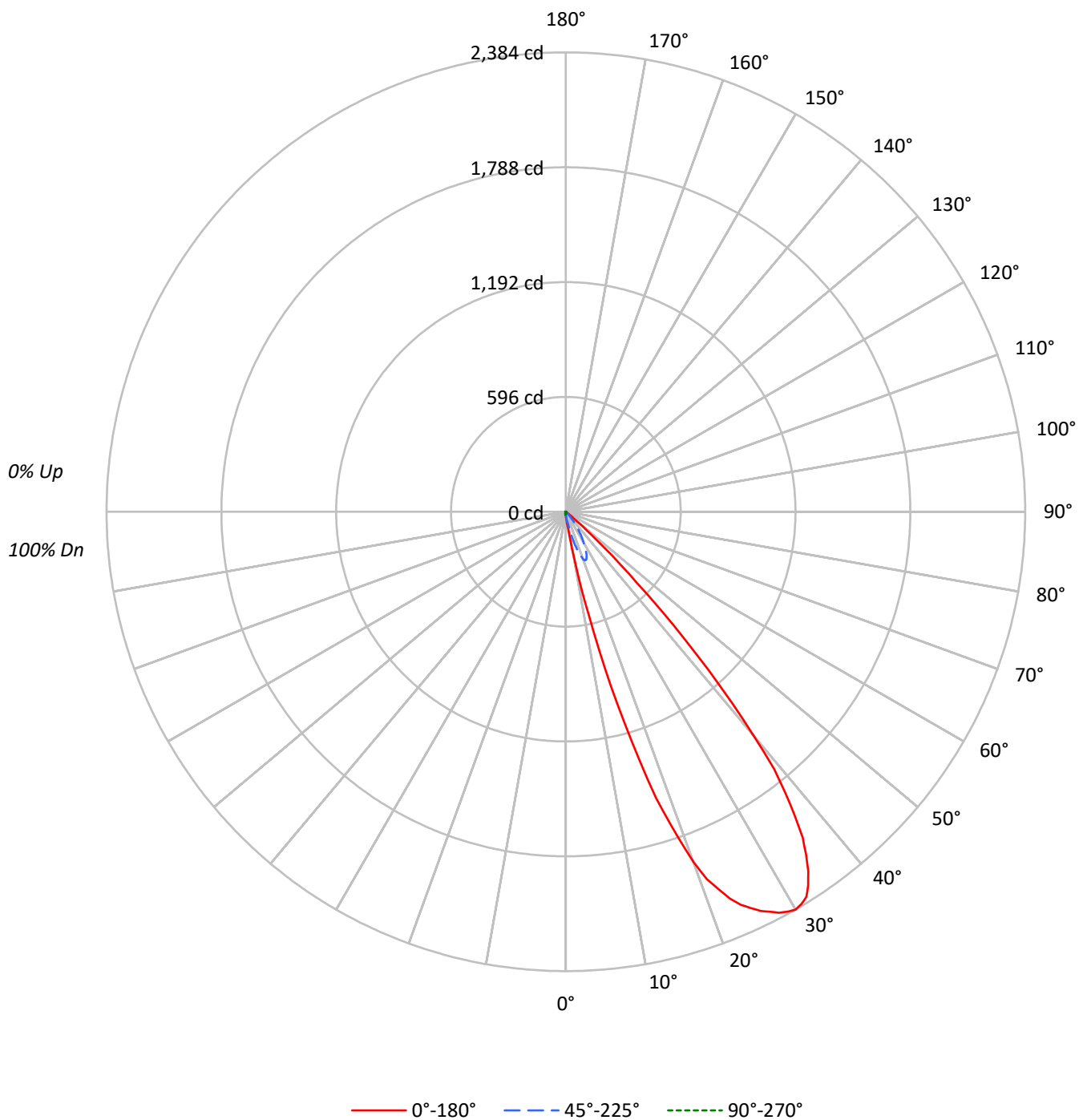
Lumens per Lamp: N/A
Luminaire Lumens: 476.9 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	4495	4495	4495	4495	4495
5°	11270	8320	4204	2157	1673
10°	49253	14161	3474	1002	690
15°	234190	38184	2429	409	295
20°	450816	61162	1563	93	93
25°	549056	61697	871	0	0
30°	603663	47222	329	0	0
35°	581749	30035	107	0	0
40°	434672	12996	0	0	115
45°	160916	3442	124	124	403
50°	18967	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: 160916 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.6
10°-20°	55.6	11.7
20°-30°	174.6	36.6
30°-40°	183.7	38.5
40°-50°	54.0	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°	233.1	48.9
0°-40°	416.9	87.4
0°-60°	473.7	99.3
0°-90°	476.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	476.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	51	38	19	10	8	9
15°	1032	168	11	2	1	325
25°	2269	255	4	0	0	1041
35°	2173	112	0	0	0	1311
45°	519	11	0	0	1	472
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°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
2.5°	31.6	32.0	30.7	31.6	30.7	30.3	29.8	27.6	24.0	20.5	16.9
5°	51.2	51.2	49.0	48.5	47.6	45.8	44.1	37.8	27.1	19.1	13.4
7.5°	80.1	79.7	78.8	76.5	72.1	67.6	63.2	49.4	29.8	17.8	10.2
10°	221.2	218.1	214.1	190.0	162.9	138.9	117.9	63.6	32.0	15.6	7.6
12.5°	549.6	531.8	489.6	441.5	380.1	315.5	252.3	103.7	32.9	12.9	5.3
15°	1031.6	994.7	928.8	832.7	707.2	566.1	445.9	168.2	32.0	10.7	4.0
17.5°	1557.7	1522.1	1430.8	1284.9	1100.2	883.4	670.7	223.0	29.8	8.9	2.7
20°	1931.9	1894.1	1808.7	1653.8	1454.0	1165.1	883.0	262.1	28.0	6.7	1.3
21°	2041.4	2003.6	1913.3	1763.7	1553.7	1263.9	951.1	268.8	26.7	5.8	0.9
22°	2110.9	2088.6	1991.6	1846.5	1632.4	1343.2	1009.4	271.9	25.8	5.3	0.9
23°	2180.7	2147.4	2056.6	1903.5	1692.5	1401.9	1052.5	269.7	24.9	4.5	0.4
24°	2232.4	2204.3	2098.8	1947.5	1734.3	1437.9	1077.9	263.9	23.6	4.0	0.4
25°	2269.3	2243.5	2133.6	1977.3	1762.4	1457.5	1085.9	255.0	22.3	3.6	0.4
26°	2304.5	2276.4	2162.5	1994.7	1777.1	1463.8	1078.3	245.2	20.9	3.1	0.0
27°	2329.8	2301.3	2182.5	2004.9	1778.0	1456.2	1057.9	231.9	19.6	2.7	0.0
28°	2357.0	2324.0	2196.3	2010.7	1772.6	1438.4	1028.5	217.6	18.7	2.2	0.0
29°	2373.4	2342.3	2210.5	2017.0	1761.5	1408.6	985.8	200.7	16.5	1.3	0.0
30°	2384.1	2347.2	2209.2	2010.3	1746.8	1376.5	934.6	186.5	14.2	1.3	0.0
31°	2375.2	2336.5	2195.0	1991.6	1723.2	1334.7	882.1	168.7	11.6	0.9	0.0
32°	2356.1	2310.2	2170.0	1959.1	1680.9	1280.8	827.8	154.0	8.5	0.9	0.0
33°	2309.3	2270.6	2125.1	1915.5	1625.8	1207.9	757.0	139.7	5.8	0.4	0.0
34°	2250.6	2211.9	2063.7	1857.2	1551.9	1113.5	671.1	125.1	4.9	0.4	0.0
35°	2173.2	2134.9	1994.3	1775.7	1454.0	1000.0	582.6	112.2	4.0	0.4	0.0
36°	2091.7	2041.0	1906.6	1689.0	1322.7	871.0	487.8	97.5	3.1	0.4	0.0
37°	1972.0	1937.7	1788.6	1556.8	1180.7	747.2	418.8	84.1	2.2	0.4	0.0
38°	1847.8	1816.2	1670.7	1423.7	1022.3	624.8	350.7	71.2	1.8	0.0	0.0
39°	1719.7	1667.1	1523.4	1253.3	856.3	523.4	295.1	59.6	0.9	0.0	0.0
40°	1518.5	1478.4	1324.9	1048.5	708.5	424.1	251.5	45.4	0.9	0.0	0.0
42.5°	1006.7	969.3	808.2	568.8	376.5	247.9	166.0	17.8	0.0	0.4	0.0
45°	518.9	495.3	402.3	297.7	213.6	152.2	106.8	11.1	0.0	0.4	0.4
47.5°	206.1	202.1	182.5	157.5	121.5	90.3	58.3	4.9	0.0	0.4	0.4
50°	55.6	56.1	52.5	48.5	44.1	41.4	24.5	1.3	0.0	0.9	0.4
52.5°	23.6	24.0	23.1	21.8	19.6	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°	20.5	20.5	20.5
2.5°	14.2	12.9	12.5
5°	9.8	8.5	7.6
7.5°	6.7	5.3	4.9
10°	4.5	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

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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)