

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: P1344576

Luminaire Tested: P3A13R259835DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344576
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: P3A13R259835DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

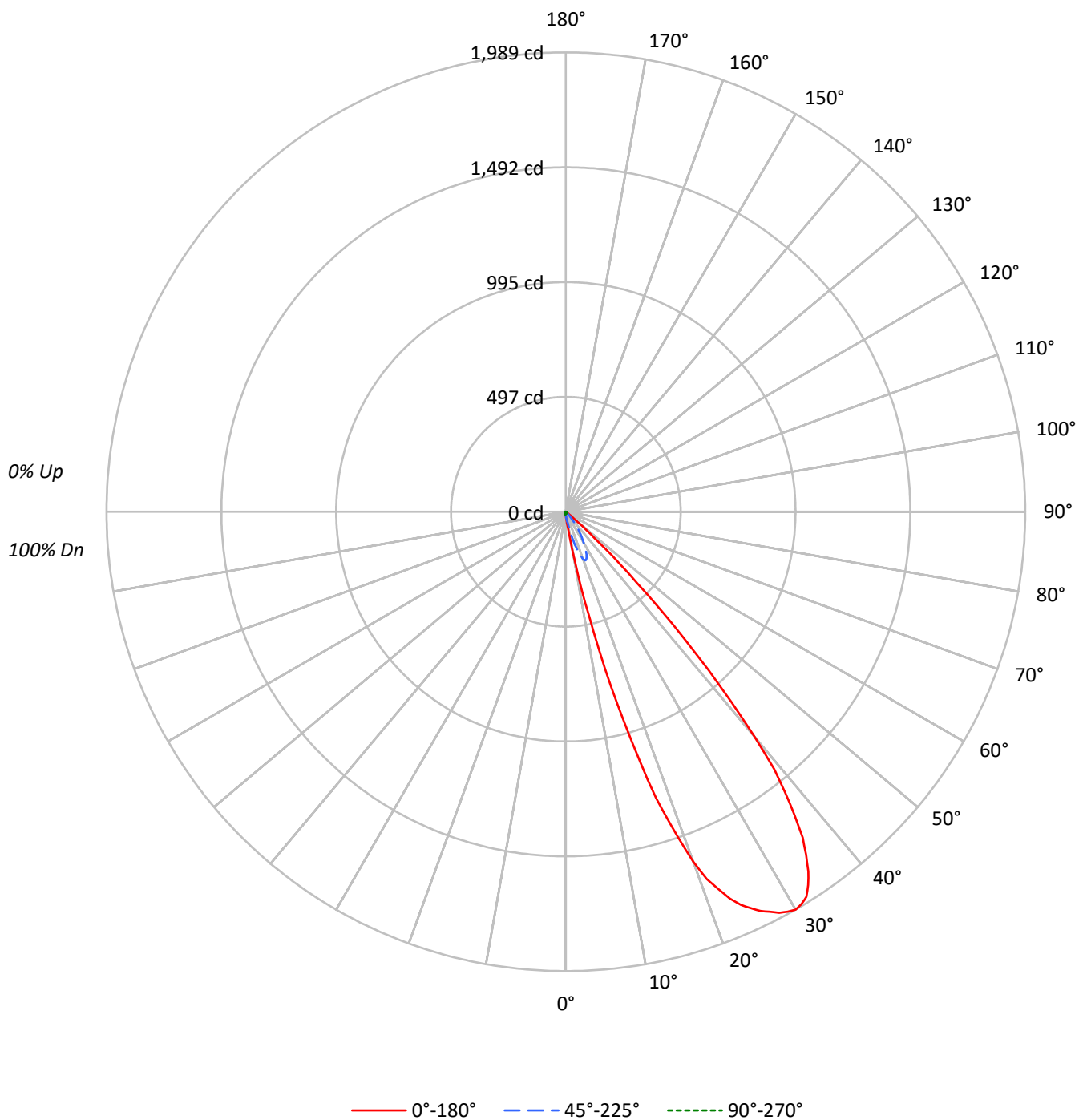
Lumens per Lamp: N/A
Luminaire Lumens: 398.0 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			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	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°	3750	3750	3750	3750	3750
5°	9399	6956	3522	1805	1387
10°	41104	11823	2895	824	579
15°	195415	31873	2020	341	250
20°	376166	51034	1307	93	93
25°	458131	51487	726	0	0
30°	503698	39398	279	0	0
35°	485380	25056	107	0	0
40°	362680	10849	0	0	115
45°	134278	2884	124	124	341
50°	15829	375	239	239	512
55°	1567	0	268	421	726
60°	175	0	482	658	833
65°	208	208	778	986	1141
70°	256	256	962	962	1410
75°	339	339	932	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 134278 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	46.4	11.7
20°-30°	145.6	36.6
30°-40°	153.3	38.5
40°-50°	45.0	11.3
50°-60°	2.4	0.6
60°-70°	1.2	0.3
70°-80°	1.0	0.3
80°-90°	0.5	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°	194.5	48.9
0°-40°	347.8	87.4
0°-60°	395.3	99.3
0°-90°	398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	398.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	43	32	16	8	6	8
15°	861	140	9	2	1	271
25°	1894	213	3	0	0	868
35°	1813	94	0	0	0	1094
45°	433	9	0	0	1	393
55°	4	0	1	1	2	10
65°	0	0	2	2	2	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°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
2.5°	26.4	26.7	25.6	26.4	25.6	25.3	24.9	23.0	20.1	17.1	14.1
5°	42.7	42.7	40.8	40.5	39.7	38.2	36.8	31.6	22.7	16.0	11.1
7.5°	66.8	66.5	65.7	63.9	60.2	56.4	52.7	41.2	24.9	14.9	8.5
10°	184.6	182.0	178.6	158.6	135.9	115.9	98.4	53.1	26.7	13.0	6.3
12.5°	458.6	443.8	408.5	368.4	317.1	263.3	210.5	86.5	27.5	10.8	4.5
15°	860.8	829.9	775.0	694.8	590.1	472.3	372.1	140.4	26.7	8.9	3.3
17.5°	1299.7	1270.0	1193.9	1072.1	918.0	737.1	559.6	186.0	24.9	7.4	2.2
20°	1612.0	1580.4	1509.1	1379.9	1213.2	972.2	736.7	218.7	23.4	5.6	1.1
21°	1703.3	1671.8	1596.4	1471.6	1296.3	1054.6	793.6	224.3	22.3	4.8	0.7
22°	1761.3	1742.7	1661.7	1540.7	1362.1	1120.7	842.2	226.9	21.5	4.5	0.7
23°	1819.6	1791.7	1716.0	1588.2	1412.2	1169.7	878.2	225.0	20.8	3.7	0.4
24°	1862.6	1839.2	1751.2	1625.0	1447.1	1199.8	899.4	220.2	19.7	3.3	0.4
25°	1893.5	1871.9	1780.2	1649.9	1470.5	1216.1	906.1	212.8	18.6	3.0	0.4
26°	1922.8	1899.4	1804.3	1664.3	1482.8	1221.3	899.8	204.6	17.5	2.6	0.0
27°	1944.0	1920.2	1821.0	1672.9	1483.5	1215.0	882.7	193.5	16.3	2.2	0.0
28°	1966.6	1939.1	1832.6	1677.7	1479.0	1200.2	858.2	181.6	15.6	1.9	0.0
29°	1980.4	1954.4	1844.4	1682.9	1469.8	1175.3	822.5	167.5	13.7	1.1	0.0
30°	1989.3	1958.4	1843.3	1677.3	1457.5	1148.6	779.8	155.6	11.9	1.1	0.0
31°	1981.8	1949.5	1831.4	1661.7	1437.8	1113.6	736.0	140.7	9.7	0.7	0.0
32°	1965.9	1927.6	1810.6	1634.6	1402.5	1068.7	690.7	128.5	7.1	0.7	0.0
33°	1926.9	1894.6	1773.1	1598.2	1356.5	1007.8	631.6	116.6	4.8	0.4	0.0
34°	1877.9	1845.6	1721.9	1549.6	1294.9	929.1	560.0	104.3	4.1	0.4	0.0
35°	1813.2	1781.3	1664.0	1481.6	1213.2	834.4	486.1	93.6	3.3	0.4	0.0
36°	1745.3	1703.0	1590.8	1409.2	1103.6	726.7	407.0	81.3	2.6	0.4	0.0
37°	1645.4	1616.8	1492.4	1298.9	985.2	623.5	349.4	70.2	1.9	0.4	0.0
38°	1541.8	1515.4	1394.0	1187.9	853.0	521.4	292.6	59.4	1.5	0.0	0.0
39°	1434.9	1391.0	1271.1	1045.7	714.5	436.7	246.2	49.8	0.7	0.0	0.0
40°	1267.0	1233.6	1105.5	874.9	591.2	353.9	209.8	37.9	0.7	0.0	0.0
42.5°	840.0	808.8	674.4	474.6	314.2	206.8	138.5	14.9	0.0	0.4	0.0
45°	433.0	413.3	335.7	248.4	178.2	127.0	89.1	9.3	0.0	0.4	0.4
47.5°	171.9	168.6	152.2	131.5	101.4	75.4	48.6	4.1	0.0	0.4	0.4
50°	46.4	46.8	43.8	40.5	36.8	34.5	20.4	1.1	0.0	0.7	0.4
52.5°	19.7	20.1	19.3	18.2	16.3	12.3	8.2	0.4	0.4	0.7	0.7
55°	4.1	4.5	4.8	5.2	5.9	5.2	3.3	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



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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	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
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°	17.1	17.1	17.1
2.5°	11.9	10.8	10.4
5°	8.2	7.1	6.3
7.5°	5.6	4.5	4.1
10°	3.7	3.0	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.7	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	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.5
50°	0.7	1.5	1.5
52.5°	1.1	1.5	1.9
55°	1.1	1.9	1.9
57.5°	1.5	1.9	2.2
60°	1.5	1.9	1.9
62.5°	1.5	2.2	2.2
65°	1.9	2.2	2.2
67.5°	1.9	2.2	2.2
70°	1.5	1.9	2.2
72.5°	1.5	1.9	1.9
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.7	1.1	1.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
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)