

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: P1344496

Luminaire Tested: P3A13R259730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344496
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: P3A13R259730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

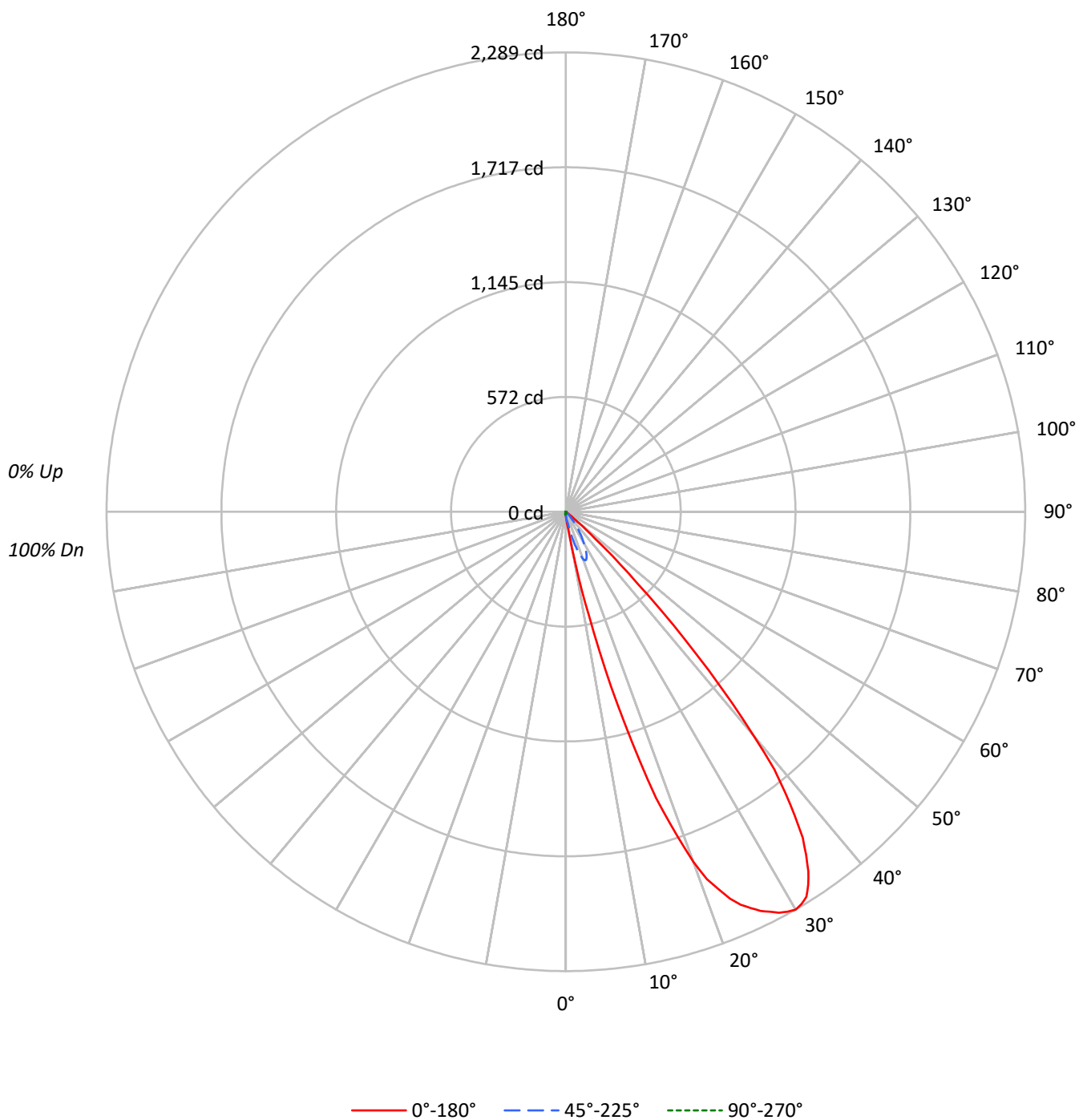
Lumens per Lamp: N/A
Luminaire Lumens: 458.0 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4320	4320	4320	4320	4320
5°	10808	7990	4050	2069	1607
10°	47294	13605	3340	957	668
15°	224859	36663	2338	386	295
20°	432871	58735	1493	93	93
25°	527184	59253	823	0	0
30°	579633	45323	329	0	0
35°	558567	28830	107	0	0
40°	417353	12481	0	0	115
45°	154528	3318	124	124	403
50°	18217	443	307	307	580
55°	1797	0	344	497	803
60°	175	0	570	746	921
65°	208	208	882	1090	1349
70°	256	256	1090	1090	1667
75°	339	339	1101	1101	1440
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 154528 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.6
10°-20°	53.4	11.7
20°-30°	167.6	36.6
30°-40°	176.4	38.5
40°-50°	51.8	11.3
50°-60°	2.8	0.6
60°-70°	1.3	0.3
70°-80°	1.2	0.3
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°	223.9	48.9
0°-40°	400.3	87.4
0°-60°	454.9	99.3
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	49	36	18	9	7	9
15°	990	162	10	2	1	312
25°	2179	245	3	0	0	999
35°	2087	108	0	0	0	1259
45°	498	11	0	0	1	453
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°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
2.5°	30.3	30.8	29.5	30.3	29.5	29.1	28.6	26.5	23.1	19.7	16.2
5°	49.1	49.1	47.0	46.6	45.7	44.0	42.3	36.3	26.1	18.4	12.8
7.5°	76.9	76.5	75.6	73.5	69.2	65.0	60.7	47.4	28.6	17.1	9.8
10°	212.4	209.4	205.5	182.5	156.4	133.3	113.2	61.1	30.8	15.0	7.3
12.5°	527.7	510.6	470.1	423.9	364.9	303.0	242.3	99.6	31.6	12.4	5.1
15°	990.5	955.1	891.8	799.5	679.0	543.6	428.2	161.5	30.8	10.3	3.8
17.5°	1495.6	1461.4	1373.8	1233.7	1056.3	848.2	644.0	214.1	28.6	8.5	2.6
20°	1855.0	1818.7	1736.6	1587.9	1396.1	1118.7	847.8	251.7	26.9	6.4	1.3
21°	1960.1	1923.8	1837.0	1693.5	1491.8	1213.6	913.2	258.1	25.6	5.6	0.9
22°	2026.8	2005.4	1912.3	1772.9	1567.4	1289.7	969.2	261.1	24.8	5.1	0.9
23°	2093.9	2061.8	1974.6	1827.6	1625.1	1346.1	1010.6	259.0	23.9	4.3	0.4
24°	2143.4	2116.5	2015.2	1870.0	1665.3	1380.7	1035.0	253.4	22.6	3.8	0.4
25°	2178.9	2154.1	2048.6	1898.6	1692.2	1399.5	1042.7	244.9	21.4	3.4	0.4
26°	2212.7	2185.7	2076.3	1915.2	1706.3	1405.5	1035.4	235.5	20.1	3.0	0.0
27°	2237.0	2209.7	2095.6	1925.1	1707.1	1398.2	1015.7	222.6	18.8	2.6	0.0
28°	2263.1	2231.5	2108.8	1930.6	1702.0	1381.1	987.5	209.0	17.9	2.1	0.0
29°	2278.9	2249.0	2122.5	1936.6	1691.3	1352.5	946.5	192.7	15.8	1.3	0.0
30°	2289.2	2253.7	2121.2	1930.2	1677.2	1321.7	897.4	179.0	13.7	1.3	0.0
31°	2280.6	2243.4	2107.5	1912.3	1654.6	1281.5	846.9	162.0	11.1	0.9	0.0
32°	2262.2	2218.2	2083.6	1881.1	1614.0	1229.8	794.8	147.9	8.1	0.9	0.0
33°	2217.4	2180.2	2040.5	1839.2	1561.0	1159.7	726.9	134.2	5.6	0.4	0.0
34°	2161.0	2123.8	1981.5	1783.2	1490.1	1069.2	644.4	120.1	4.7	0.4	0.0
35°	2086.6	2049.9	1914.8	1705.0	1396.1	960.2	559.4	107.7	3.8	0.4	0.0
36°	2008.4	1959.7	1830.6	1621.7	1270.0	836.3	468.3	93.6	3.0	0.4	0.0
37°	1893.5	1860.6	1717.4	1494.8	1133.7	717.5	402.1	80.8	2.1	0.4	0.0
38°	1774.2	1743.9	1604.2	1367.0	981.6	600.0	336.7	68.4	1.7	0.0	0.0
39°	1651.2	1600.7	1462.7	1203.3	822.2	502.5	283.3	57.3	0.9	0.0	0.0
40°	1458.0	1419.6	1272.1	1006.8	680.3	407.2	241.4	43.6	0.9	0.0	0.0
42.5°	966.6	930.7	776.0	546.1	361.5	238.0	159.4	17.1	0.0	0.4	0.0
45°	498.3	475.6	386.3	285.9	205.1	146.1	102.6	10.7	0.0	0.4	0.4
47.5°	197.8	194.0	175.2	151.3	116.7	86.7	56.0	4.7	0.0	0.4	0.4
50°	53.4	53.8	50.4	46.6	42.3	39.7	23.5	1.3	0.0	0.9	0.4
52.5°	22.6	23.1	22.2	20.9	18.8	14.1	9.4	0.4	0.4	0.9	0.9
55°	4.7	5.1	5.6	6.0	6.8	6.0	3.8	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	1.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.7	1.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.7
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	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°	19.7	19.7	19.7
2.5°	13.7	12.4	12.0
5°	9.4	8.1	7.3
7.5°	6.4	5.1	4.7
10°	4.3	3.4	3.0
12.5°	3.0	1.7	1.7
15°	1.7	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	1.7
50°	0.9	1.7	1.7
52.5°	1.3	1.7	2.1
55°	1.3	2.1	2.1
57.5°	1.7	2.1	2.6
60°	1.7	2.1	2.1
62.5°	1.7	2.6	2.6
65°	2.1	2.6	2.6
67.5°	2.1	2.6	2.6
70°	1.7	2.1	2.6
72.5°	1.7	2.1	2.1
75°	1.3	1.7	1.7
77.5°	1.3	1.3	1.7
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)