

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: P1336345

Luminaire Tested: P3A05R159035DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159035DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

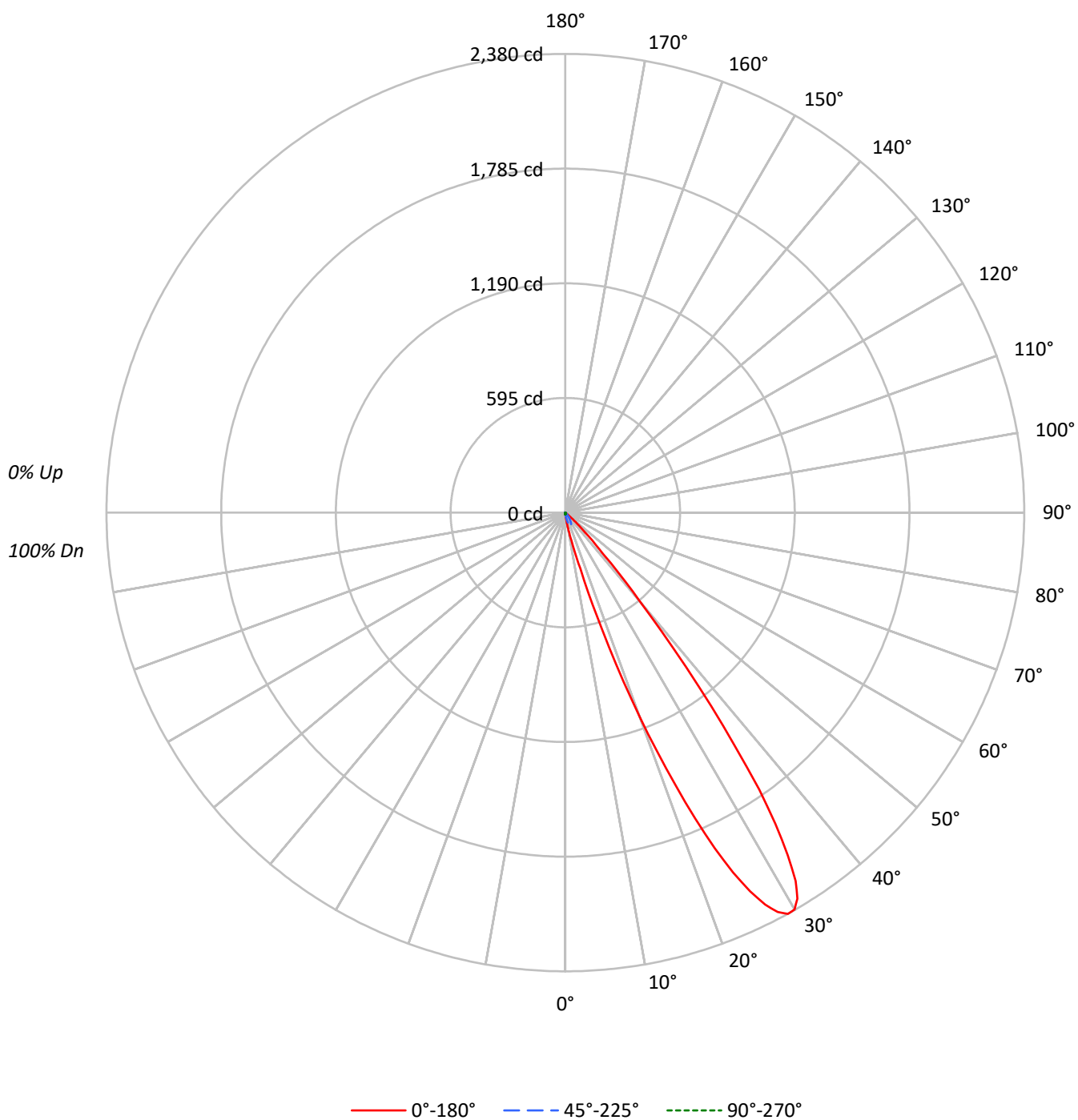
Lumens per Lamp: N/A
Luminaire Lumens: 260.1 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	96	92	104	98	94	91	95	92	89		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77
5	87	77	70	65	85	76	70	65	74	69	64		72	67	64		71
6	81	71	64	59	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	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	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1886	1886	1886	1886	1886
5°	4072	3016	1783	947	770
10°	18013	5678	1403	401	289
15°	68150	13144	976	182	114
20°	262103	18528	583	70	70
25°	498416	17372	315	0	0
30°	602093	14027	127	0	0
35°	469586	9557	80	0	0
40°	171350	4695	86	0	86
45°	44005	1427	93	0	155
50°	7437	171	102	102	273
55°	956	0	191	306	497
60°	132	132	351	439	658
65°	156	156	519	675	778
70°	192	192	641	641	833
75°	254	254	847	678	847
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44005 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.5
10°-20°	19.9	7.7
20°-30°	110.5	42.5
30°-40°	106.8	41.0
40°-50°	18.6	7.1
50°-60°	1.3	0.5
60°-70°	0.8	0.3
70°-80°	0.7	0.3
80°-90°	0.3	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°	131.6	50.6
0°-40°	238.4	91.6
0°-60°	258.3	99.3
0°-90°	260.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	18	14	8	4	4	4
15°	300	58	4	1	0	134
25°	2060	72	1	0	0	921
35°	1754	36	0	0	0	1009
45°	142	5	0	0	0	152
55°	2	0	0	1	1	5
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
2.5°	12.6	12.1	12.4	12.4	12.4	12.4	12.4	11.9	11.9	12.1	10.9
5°	18.5	18.5	18.2	18.5	18.5	18.2	17.7	17.5	17.5	16.9	13.7
7.5°	36.9	36.4	36.4	35.9	33.4	32.6	32.1	30.9	28.6	28.1	17.7
10°	80.9	81.2	79.4	77.1	76.9	73.1	71.8	69.6	65.3	61.0	25.5
12.5°	146.9	143.7	139.4	139.6	132.3	129.7	123.9	117.6	111.0	104.2	42.0
15°	300.2	290.9	296.4	282.8	267.3	249.9	232.2	209.9	191.0	170.7	57.9
17.5°	632.3	641.4	626.0	567.5	531.6	489.4	430.0	372.5	323.5	284.0	70.8
20°	1123.2	1136.6	1084.2	1033.4	946.2	851.1	751.9	639.6	532.1	439.1	79.4
21°	1328.3	1320.2	1298.7	1217.3	1116.6	1006.3	884.9	761.0	630.8	509.9	80.2
22°	1526.6	1530.4	1480.3	1395.1	1290.4	1168.2	1020.0	867.0	726.6	567.5	78.9
23°	1724.1	1736.3	1670.0	1590.1	1458.3	1320.5	1149.0	983.8	810.3	633.6	76.4
24°	1907.0	1898.6	1853.9	1753.2	1612.3	1451.0	1272.9	1072.6	879.1	690.0	74.4
25°	2060.0	2059.0	1988.7	1890.8	1729.7	1550.9	1354.6	1145.2	938.1	728.1	71.8
26°	2185.2	2164.7	2109.3	1989.9	1830.8	1642.2	1421.6	1198.1	971.2	747.4	69.3
27°	2281.8	2267.1	2192.8	2068.6	1902.4	1693.8	1464.6	1224.4	986.4	753.7	66.0
28°	2346.8	2330.9	2251.7	2123.7	1941.9	1726.1	1487.4	1235.5	986.4	747.6	63.0
29°	2380.4	2358.7	2279.8	2142.7	1951.0	1729.9	1481.8	1224.6	970.9	728.9	59.4
30°	2377.9	2350.8	2268.1	2125.5	1923.9	1698.8	1450.7	1185.4	936.0	701.1	55.4
31°	2336.9	2306.6	2214.3	2067.3	1868.0	1640.2	1392.0	1132.8	888.2	664.9	51.3
32°	2253.7	2215.3	2125.2	1978.8	1782.0	1552.4	1306.8	1051.6	816.7	612.1	47.0
33°	2118.2	2079.5	1982.9	1845.5	1665.7	1441.1	1193.8	964.4	735.2	549.1	43.5
34°	1948.5	1913.0	1829.8	1691.5	1519.0	1300.2	1063.8	843.7	650.7	486.6	39.7
35°	1754.2	1697.8	1622.4	1512.9	1344.7	1124.7	923.4	731.4	563.7	421.1	35.7
36°	1491.4	1501.6	1421.6	1287.6	1148.2	975.7	782.5	609.8	471.4	358.9	32.1
37°	1258.5	1242.6	1191.7	1088.0	966.6	795.4	655.8	517.0	396.6	303.5	28.3
38°	1015.2	1018.7	968.9	889.2	768.9	654.0	527.8	424.6	331.8	258.2	24.8
39°	794.7	791.9	778.5	704.6	595.6	520.2	427.7	352.1	276.4	217.8	21.0
40°	598.6	603.2	571.8	527.3	463.8	401.9	340.7	280.7	228.6	183.6	16.4
42.5°	291.1	298.2	277.4	266.1	238.0	213.7	180.3	147.2	125.2	108.2	7.3
45°	141.9	137.8	136.1	130.5	123.9	110.8	98.1	84.2	73.6	63.5	4.6
47.5°	72.6	70.6	70.6	68.3	66.0	61.7	55.4	50.8	45.8	39.5	1.8
50°	21.8	21.5	21.2	21.5	20.7	21.5	22.0	22.3	20.2	20.0	0.5
52.5°	8.6	8.9	8.6	9.4	9.4	9.1	9.4	9.1	8.9	7.8	0.0
55°	2.5	2.5	2.5	2.5	2.5	2.5	2.8	3.0	2.8	3.0	0.0
57.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	8.6	8.6	8.6	8.6	8.6	8.6
2.5°	10.1	8.9	7.3	6.1	5.6	5.3
5°	10.9	8.1	5.6	4.3	3.8	3.5
7.5°	11.6	7.3	4.3	3.0	2.3	2.0
10°	12.1	6.3	3.3	1.8	1.3	1.3
12.5°	12.1	5.1	2.3	1.0	0.8	0.8
15°	11.9	4.3	1.5	0.8	0.5	0.5
17.5°	11.6	3.3	1.0	0.5	0.3	0.5
20°	10.9	2.5	0.5	0.3	0.3	0.3
21°	10.6	2.3	0.5	0.3	0.3	0.3
22°	10.1	2.0	0.3	0.0	0.3	0.3
23°	9.6	1.5	0.3	0.0	0.0	0.0
24°	8.9	1.3	0.3	0.0	0.0	0.0
25°	8.3	1.3	0.3	0.0	0.0	0.0
26°	7.8	0.8	0.0	0.0	0.0	0.0
27°	7.1	0.5	0.0	0.0	0.0	0.0
28°	6.6	0.5	0.0	0.0	0.0	0.0
29°	5.8	0.5	0.0	0.0	0.0	0.0
30°	5.1	0.5	0.0	0.0	0.0	0.0
31°	4.0	0.3	0.0	0.0	0.0	0.0
32°	3.3	0.3	0.0	0.0	0.0	0.0
33°	2.3	0.3	0.0	0.0	0.0	0.0
34°	1.5	0.3	0.0	0.0	0.0	0.0
35°	1.3	0.3	0.0	0.0	0.0	0.0
36°	0.8	0.3	0.0	0.0	0.0	0.3
37°	0.8	0.3	0.0	0.0	0.0	0.3
38°	0.5	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.5
45°	0.0	0.3	0.0	0.0	0.3	0.5
47.5°	0.0	0.3	0.0	0.0	0.5	0.5
50°	0.0	0.3	0.3	0.3	0.5	0.8
52.5°	0.0	0.5	0.3	0.5	0.8	1.0
55°	0.3	0.5	0.5	0.8	1.0	1.3
57.5°	0.3	0.8	0.8	1.0	1.3	1.3
60°	0.5	0.8	1.0	1.0	1.5	1.5
62.5°	0.5	1.0	1.0	1.0	1.5	1.5
65°	0.5	1.0	1.0	1.3	1.5	1.5
67.5°	0.5	1.0	1.0	1.0	1.3	1.5
70°	0.5	1.0	0.8	1.0	1.3	1.3
72.5°	0.5	1.0	0.8	0.8	1.0	1.3
75°	0.5	1.0	0.8	0.8	1.0	1.0
77.5°	0.5	0.8	0.8	0.5	0.8	0.8
80°	0.5	0.8	0.5	0.5	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.5	0.8	0.5	0.3	0.5	0.5
85°	0.5	0.8	0.5	0.3	0.3	0.3
87.5°	0.5	0.8	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)