

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: P1343809

Luminaire Tested: P3A13R15W2N902765DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343809
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: P3A13R15W2N902765DE010 E3A301WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

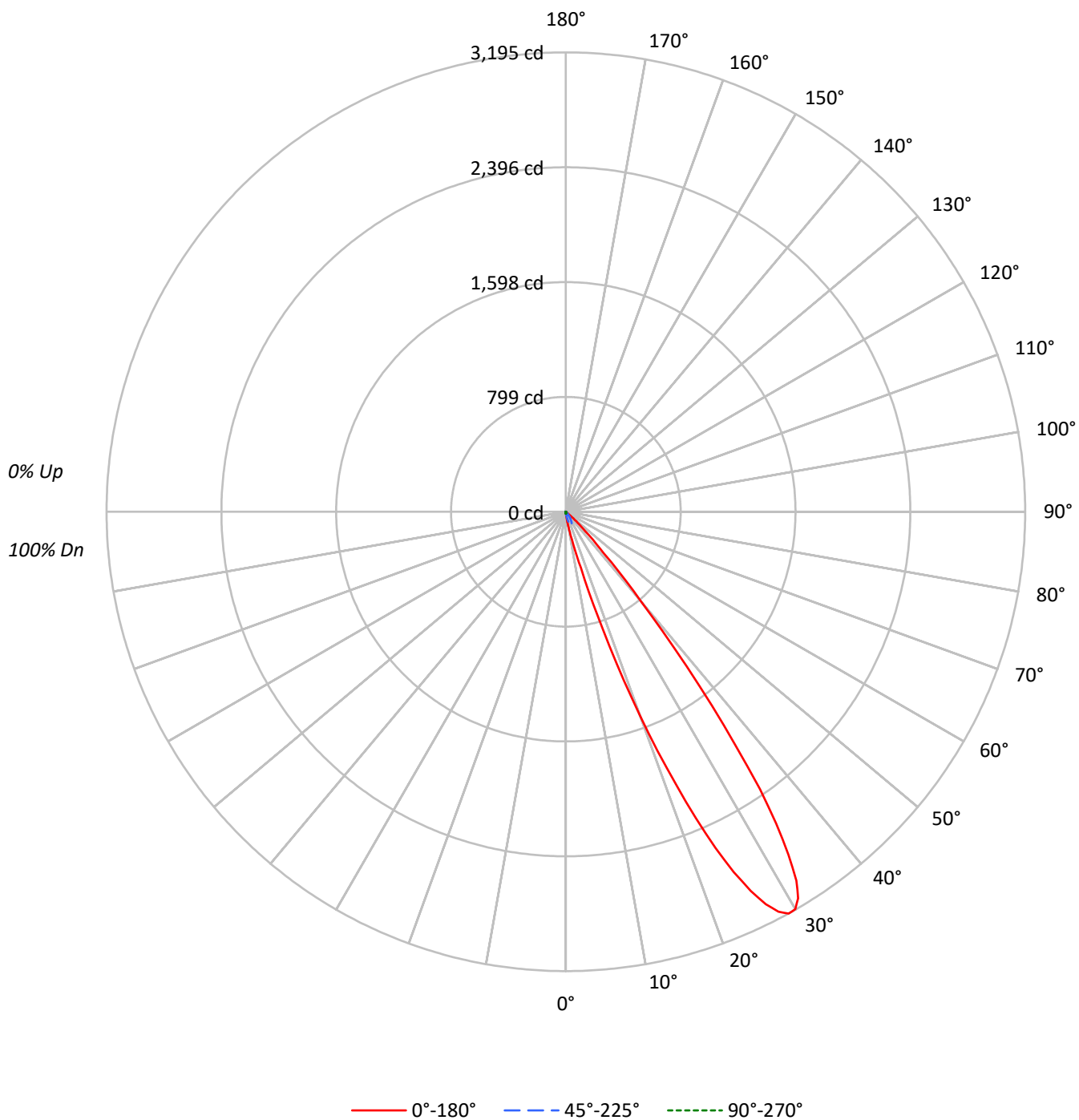
Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	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	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2522	2522	2522	2522	2522
5°	5459	4028	2399	1277	1057
10°	24181	7637	1893	534	379
15°	91487	17639	1317	227	159
20°	351827	24875	793	70	70
25°	669014	23324	411	0	0
30°	808200	18813	177	0	0
35°	630335	12822	80	0	0
40°	230031	6326	86	0	86
45°	59076	1892	93	0	217
50°	9961	239	102	102	341
55°	1300	0	268	382	650
60°	132	132	439	614	877
65°	156	156	726	882	1038
70°	192	192	898	898	1090
75°	254	254	1186	847	1186
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	26.7	7.7
20°-30°	148.3	42.5
30°-40°	143.3	41.1
40°-50°	24.9	7.1
50°-60°	1.8	0.5
60°-70°	1.1	0.3
70°-80°	0.9	0.2
80°-90°	0.4	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°	176.7	50.6
0°-40°	319.9	91.7
0°-60°	346.6	99.3
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	25	18	11	6	5	5
15°	403	78	6	1	1	180
25°	2765	96	2	0	0	1236
35°	2355	48	0	0	0	1354
45°	190	6	0	0	1	205
55°	3	0	1	1	2	7
65°	0	0	1	2	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°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	17.0	16.3	16.6	16.6	16.6	16.6	16.6	16.0	16.0	16.3	14.6
5°	24.8	24.8	24.4	24.8	24.8	24.4	23.8	23.4	23.4	22.7	18.3
7.5°	49.6	48.9	48.9	48.2	44.8	43.8	43.1	41.4	38.4	37.7	23.8
10°	108.6	109.0	106.6	103.5	103.2	98.1	96.4	93.4	87.6	81.8	34.3
12.5°	197.2	192.8	187.1	187.4	177.6	174.2	166.3	157.9	149.0	139.9	56.4
15°	403.0	390.4	397.9	379.5	358.8	335.4	311.7	281.8	256.3	229.2	77.7
17.5°	848.7	860.9	840.2	761.8	713.6	656.9	577.1	500.1	434.2	381.2	95.1
20°	1507.7	1525.7	1455.4	1387.2	1270.0	1142.4	1009.3	858.6	714.3	589.4	106.6
21°	1783.0	1772.1	1743.3	1634.0	1498.8	1350.8	1187.9	1021.5	846.7	684.4	107.6
22°	2049.2	2054.2	1987.0	1872.6	1732.1	1568.1	1369.2	1163.8	975.4	761.8	105.9
23°	2314.3	2330.6	2241.6	2134.4	1957.5	1772.5	1542.3	1320.6	1087.7	850.4	102.5
24°	2559.7	2548.5	2488.5	2353.3	2164.2	1947.6	1708.6	1439.8	1180.1	926.1	99.8
25°	2765.1	2763.8	2669.4	2538.0	2321.8	2081.7	1818.3	1537.2	1259.2	977.4	96.4
26°	2933.2	2905.7	2831.3	2671.1	2457.6	2204.3	1908.3	1608.2	1303.6	1003.2	93.0
27°	3062.9	3043.2	2943.4	2776.7	2553.6	2273.6	1966.0	1643.5	1324.0	1011.7	88.6
28°	3150.1	3128.7	3022.5	2850.7	2606.6	2317.0	1996.5	1658.4	1324.0	1003.5	84.5
29°	3195.3	3166.1	3060.2	2876.2	2618.8	2322.1	1989.1	1643.8	1303.3	978.4	79.8
30°	3191.9	3155.6	3044.5	2853.1	2582.5	2280.3	1947.3	1591.2	1256.4	941.1	74.3
31°	3136.9	3096.1	2972.2	2775.0	2507.5	2201.6	1868.5	1520.6	1192.3	892.5	68.9
32°	3025.2	2973.6	2852.7	2656.2	2392.0	2083.8	1754.1	1411.6	1096.2	821.6	63.1
33°	2843.2	2791.3	2661.6	2477.3	2235.9	1934.4	1602.4	1294.5	986.9	737.0	58.4
34°	2615.4	2567.9	2456.2	2270.5	2039.0	1745.3	1427.9	1132.5	873.5	653.2	53.3
35°	2354.7	2279.0	2177.8	2030.8	1805.1	1509.7	1239.5	981.8	756.7	565.2	47.9
36°	2002.0	2015.5	1908.3	1728.3	1541.3	1309.7	1050.4	818.5	632.8	481.7	43.1
37°	1689.3	1667.9	1599.7	1460.5	1297.5	1067.7	880.3	693.9	532.3	407.4	38.0
38°	1362.7	1367.5	1300.6	1193.6	1032.0	877.9	708.5	570.0	445.4	346.6	33.3
39°	1066.7	1062.9	1044.9	945.8	799.5	698.3	574.1	472.6	371.1	292.3	28.2
40°	803.6	809.7	767.6	707.8	622.6	539.4	457.3	376.8	306.9	246.5	22.1
42.5°	390.8	400.3	372.4	357.1	319.5	286.9	242.1	197.6	168.0	145.3	9.8
45°	190.5	185.0	182.6	175.2	166.3	148.7	131.7	113.0	98.8	85.2	6.1
47.5°	97.4	94.7	94.7	91.7	88.6	82.8	74.3	68.2	61.4	53.0	2.4
50°	29.2	28.9	28.5	28.9	27.8	28.9	29.5	29.9	27.2	26.8	0.7
52.5°	11.5	11.9	11.5	12.6	12.6	12.2	12.6	12.2	11.9	10.5	0.0
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.1	3.7	4.1	0.0
57.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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°	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	13.6	11.9	9.8	8.1	7.5	7.1
5°	14.6	10.9	7.5	5.8	5.1	4.8
7.5°	15.6	9.8	5.8	4.1	3.1	2.7
10°	16.3	8.5	4.4	2.4	1.7	1.7
12.5°	16.3	6.8	3.1	1.4	1.0	1.0
15°	16.0	5.8	2.0	1.0	0.7	0.7
17.5°	15.6	4.4	1.4	0.7	0.3	0.7
20°	14.6	3.4	0.7	0.3	0.3	0.3
21°	14.3	3.1	0.7	0.3	0.3	0.3
22°	13.6	2.7	0.3	0.0	0.3	0.3
23°	12.9	2.0	0.3	0.0	0.0	0.0
24°	11.9	1.7	0.3	0.0	0.0	0.0
25°	11.2	1.7	0.3	0.0	0.0	0.0
26°	10.5	1.0	0.0	0.0	0.0	0.0
27°	9.5	0.7	0.0	0.0	0.0	0.0
28°	8.8	0.7	0.0	0.0	0.0	0.0
29°	7.8	0.7	0.0	0.0	0.0	0.0
30°	6.8	0.7	0.0	0.0	0.0	0.0
31°	5.4	0.3	0.0	0.0	0.0	0.0
32°	4.4	0.3	0.0	0.0	0.0	0.0
33°	3.1	0.3	0.0	0.0	0.0	0.0
34°	2.0	0.3	0.0	0.0	0.0	0.0
35°	1.7	0.3	0.0	0.0	0.0	0.0
36°	1.0	0.3	0.0	0.0	0.0	0.3
37°	1.0	0.3	0.0	0.0	0.0	0.3
38°	0.7	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	0.7
45°	0.0	0.3	0.0	0.0	0.3	0.7
47.5°	0.0	0.3	0.0	0.0	0.7	0.7
50°	0.0	0.3	0.3	0.3	0.7	1.0
52.5°	0.0	0.7	0.3	0.7	1.0	1.4
55°	0.3	0.7	0.7	1.0	1.4	1.7
57.5°	0.3	1.0	1.0	1.4	1.7	1.7
60°	0.7	1.0	1.4	1.4	2.0	2.0
62.5°	0.7	1.4	1.4	1.4	2.0	2.0
65°	0.7	1.4	1.4	1.7	2.0	2.0
67.5°	0.7	1.4	1.4	1.4	1.7	2.0
70°	0.7	1.4	1.0	1.4	1.7	1.7
72.5°	0.7	1.4	1.0	1.0	1.4	1.7
75°	0.7	1.4	1.0	1.0	1.4	1.4
77.5°	0.7	1.0	1.0	0.7	1.0	1.0
80°	0.7	1.0	0.7	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.0	0.7	0.3	0.7	0.7
85°	0.7	1.0	0.7	0.3	0.3	0.3
87.5°	0.7	1.0	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)