

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: P1343725

Luminaire Tested: P3A13R15W2N902750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343725
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: P3A13R15W2N902750DE010 E3A301WMH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

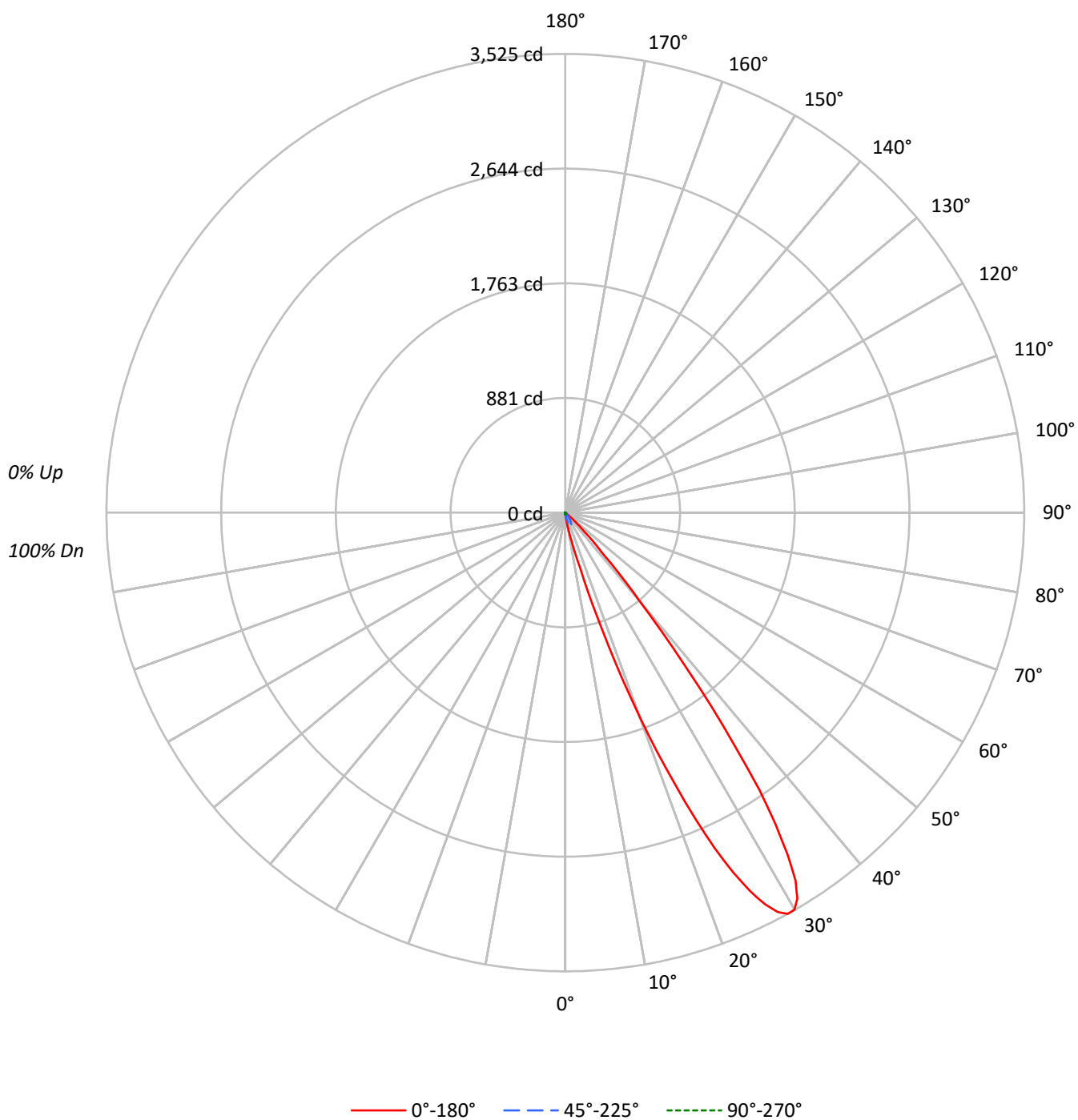
Lumens per Lamp: N/A
Luminaire Lumens: 385.0 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	2785	2785	2785	2785	2785
5°	6009	4446	2641	1409	1145
10°	26675	8417	2093	579	423
15°	100909	19478	1453	250	159
20°	388114	27442	863	93	93
25°	738043	25743	460	0	0
30°	891555	20763	177	0	0
35°	695357	14134	107	0	0
40°	253761	6956	115	0	115
45°	65154	2078	124	0	217
50°	10985	239	136	136	375
55°	1415	0	268	421	726
60°	175	175	482	658	965
65°	208	208	778	986	1141
70°	256	256	962	962	1218
75°	339	339	1271	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: 65154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.5
10°-20°	29.5	7.7
20°-30°	163.6	42.5
30°-40°	158.1	41.1
40°-50°	27.5	7.1
50°-60°	2.0	0.5
60°-70°	1.2	0.3
70°-80°	0.9	0.2
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°	194.9	50.6
0°-40°	353.0	91.7
0°-60°	382.4	99.3
0°-90°	385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	27	20	12	6	5	5
15°	444	86	6	1	1	198
25°	3050	106	2	0	0	1364
35°	2598	53	0	0	0	1494
45°	210	7	0	0	1	226
55°	4	0	1	1	2	7
65°	0	0	2	2	2	0
75°	0	0	2	1	2	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°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	18.7	18.0	18.4	18.4	18.4	18.4	18.4	17.6	17.6	18.0	16.1
5°	27.3	27.3	27.0	27.3	27.3	27.0	26.2	25.8	25.8	25.1	20.2
7.5°	54.7	53.9	53.9	53.2	49.4	48.3	47.6	45.7	42.3	41.6	26.2
10°	119.8	120.2	117.6	114.2	113.9	108.2	106.4	103.0	96.6	90.3	37.8
12.5°	217.6	212.7	206.4	206.7	195.9	192.1	183.5	174.1	164.4	154.3	62.2
15°	444.5	430.7	438.9	418.7	395.9	370.0	343.8	310.8	282.8	252.8	85.8
17.5°	936.3	949.8	926.9	840.4	787.2	724.7	636.7	551.7	479.0	420.6	104.9
20°	1663.2	1683.0	1605.5	1530.2	1401.0	1260.2	1113.4	947.1	788.0	650.1	117.6
21°	1966.9	1954.9	1923.1	1802.5	1653.5	1490.2	1310.4	1126.9	934.0	755.0	118.7
22°	2260.5	2266.1	2192.0	2065.8	1910.7	1729.9	1510.4	1283.8	1076.0	840.4	116.8
23°	2553.0	2571.0	2472.9	2354.5	2159.4	1955.3	1701.4	1456.8	1199.9	938.1	113.1
24°	2823.8	2811.4	2745.1	2596.1	2387.5	2148.6	1884.9	1588.3	1301.8	1021.7	110.1
25°	3050.4	3048.9	2944.8	2799.8	2561.3	2296.5	2005.9	1695.8	1389.1	1078.2	106.4
26°	3235.8	3205.4	3123.4	2946.6	2711.1	2431.7	2105.1	1774.0	1438.1	1106.7	102.6
27°	3378.8	3357.1	3247.0	3063.1	2817.1	2508.1	2168.8	1813.0	1460.6	1116.0	97.7
28°	3475.1	3451.5	3334.2	3144.7	2875.5	2556.0	2202.5	1829.5	1460.6	1107.0	93.3
29°	3524.9	3492.7	3375.8	3172.8	2889.0	2561.6	2194.2	1813.4	1437.7	1079.3	88.0
30°	3521.1	3481.1	3358.6	3147.4	2848.9	2515.6	2148.2	1755.3	1386.1	1038.1	82.0
31°	3460.5	3415.5	3278.8	3061.2	2766.1	2428.7	2061.3	1677.4	1315.3	984.6	76.0
32°	3337.2	3280.3	3147.0	2930.2	2638.8	2298.7	1935.1	1557.2	1209.3	906.3	69.7
33°	3136.5	3079.2	2936.1	2732.8	2466.5	2133.9	1767.7	1428.0	1088.7	813.1	64.4
34°	2885.2	2832.8	2709.6	2504.7	2249.3	1925.3	1575.2	1249.4	963.6	720.6	58.8
35°	2597.6	2514.1	2402.5	2240.3	1991.3	1665.4	1367.3	1083.1	834.8	623.6	52.8
36°	2208.5	2223.5	2105.1	1906.6	1700.3	1444.9	1158.7	902.9	698.1	531.4	47.6
37°	1863.6	1840.0	1764.7	1611.1	1431.4	1177.8	971.1	765.5	587.2	449.4	41.9
38°	1503.3	1508.5	1434.7	1316.8	1138.5	968.5	781.6	628.8	491.4	382.4	36.7
39°	1176.7	1172.6	1152.7	1043.4	882.0	770.4	633.3	521.3	409.3	322.5	31.1
40°	886.5	893.2	846.8	780.8	686.8	595.1	504.5	415.7	338.6	271.9	24.3
42.5°	431.1	441.5	410.8	394.0	352.4	316.5	267.0	218.0	185.4	160.3	10.9
45°	210.1	204.1	201.5	193.2	183.5	164.0	145.3	124.7	109.0	94.0	6.7
47.5°	107.5	104.5	104.5	101.1	97.7	91.4	82.0	75.3	67.8	58.4	2.6
50°	32.2	31.8	31.5	31.8	30.7	31.8	32.6	33.0	30.0	29.6	0.7
52.5°	12.7	13.1	12.7	13.9	13.9	13.5	13.9	13.5	13.1	11.6	0.0
55°	3.7	3.7	3.7	3.7	3.7	3.7	4.1	4.5	4.1	4.5	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	15.0	13.1	10.9	9.0	8.2	7.9
5°	16.1	12.0	8.2	6.4	5.6	5.2
7.5°	17.2	10.9	6.4	4.5	3.4	3.0
10°	18.0	9.4	4.9	2.6	1.9	1.9
12.5°	18.0	7.5	3.4	1.5	1.1	1.1
15°	17.6	6.4	2.2	1.1	0.7	0.7
17.5°	17.2	4.9	1.5	0.7	0.4	0.7
20°	16.1	3.7	0.7	0.4	0.4	0.4
21°	15.7	3.4	0.7	0.4	0.4	0.4
22°	15.0	3.0	0.4	0.0	0.4	0.4
23°	14.2	2.2	0.4	0.0	0.0	0.0
24°	13.1	1.9	0.4	0.0	0.0	0.0
25°	12.4	1.9	0.4	0.0	0.0	0.0
26°	11.6	1.1	0.0	0.0	0.0	0.0
27°	10.5	0.7	0.0	0.0	0.0	0.0
28°	9.7	0.7	0.0	0.0	0.0	0.0
29°	8.6	0.7	0.0	0.0	0.0	0.0
30°	7.5	0.7	0.0	0.0	0.0	0.0
31°	6.0	0.4	0.0	0.0	0.0	0.0
32°	4.9	0.4	0.0	0.0	0.0	0.0
33°	3.4	0.4	0.0	0.0	0.0	0.0
34°	2.2	0.4	0.0	0.0	0.0	0.0
35°	1.9	0.4	0.0	0.0	0.0	0.0
36°	1.1	0.4	0.0	0.0	0.0	0.4
37°	1.1	0.4	0.0	0.0	0.0	0.4
38°	0.7	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.7
45°	0.0	0.4	0.0	0.0	0.4	0.7
47.5°	0.0	0.4	0.0	0.0	0.7	0.7
50°	0.0	0.4	0.4	0.4	0.7	1.1
52.5°	0.0	0.7	0.4	0.7	1.1	1.5
55°	0.4	0.7	0.7	1.1	1.5	1.9
57.5°	0.4	1.1	1.1	1.5	1.9	1.9
60°	0.7	1.1	1.5	1.5	2.2	2.2
62.5°	0.7	1.5	1.5	1.5	2.2	2.2
65°	0.7	1.5	1.5	1.9	2.2	2.2
67.5°	0.7	1.5	1.5	1.5	1.9	2.2
70°	0.7	1.5	1.1	1.5	1.9	1.9
72.5°	0.7	1.5	1.1	1.1	1.5	1.9
75°	0.7	1.5	1.1	1.1	1.5	1.5
77.5°	0.7	1.1	1.1	0.7	1.1	1.1
80°	0.7	1.1	0.7	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.1	0.7	0.4	0.7	0.7
85°	0.7	1.1	0.7	0.4	0.4	0.4
87.5°	0.7	1.1	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)