

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: P1344728

Luminaire Tested: P3A13R25W2N902750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344728
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: P3A13R25W2N902750DE010 E3A301WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

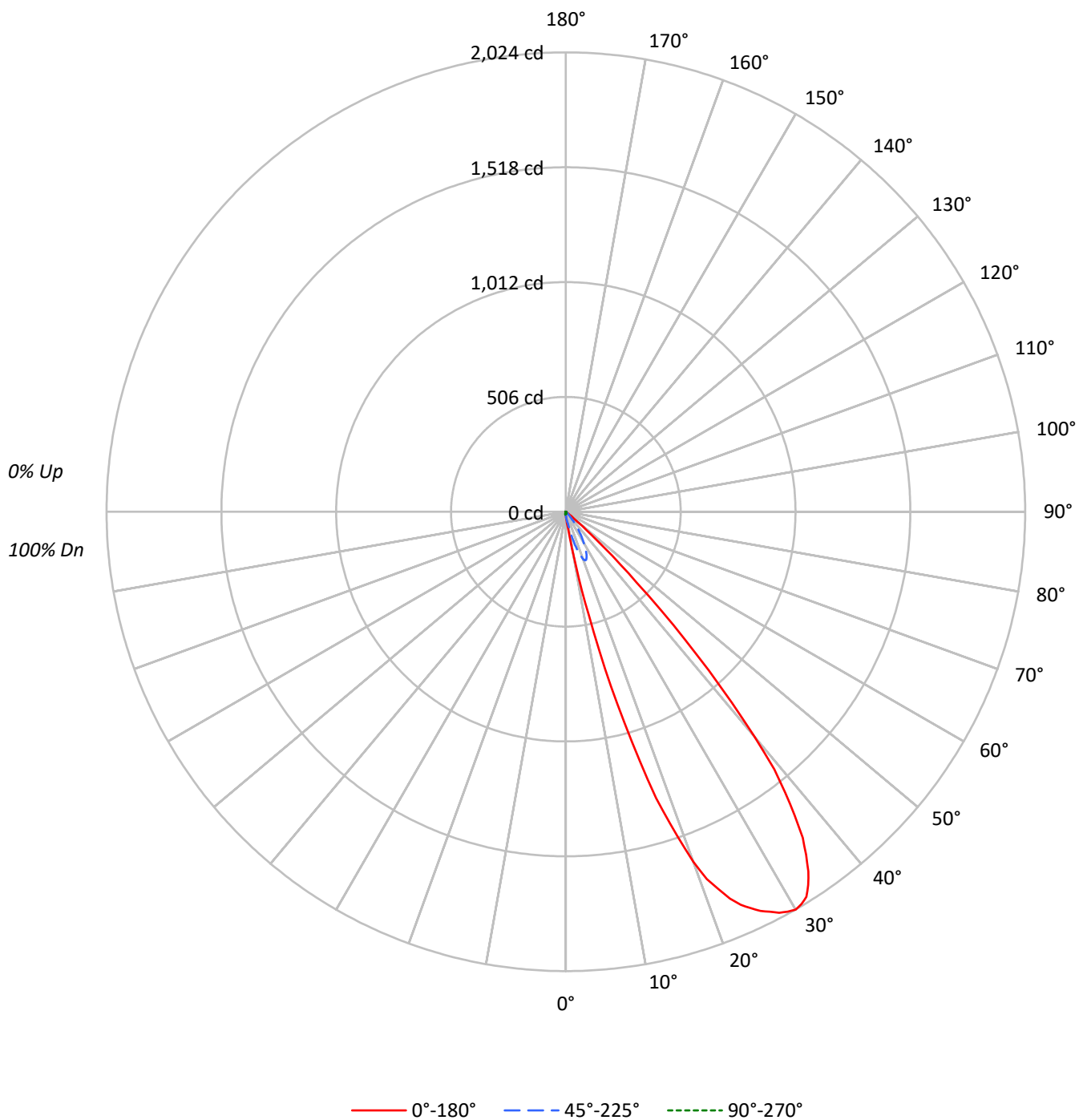
Lumens per Lamp: N/A
Luminaire Lumens: 405.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	103	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°	3815	3815	3815	3815	3815
5°	9575	7066	3566	1827	1409
10°	41816	12024	2939	846	579
15°	198843	32418	2066	341	250
20°	382770	51945	1330	93	93
25°	466188	52382	726	0	0
30°	512560	40082	279	0	0
35°	493919	25484	107	0	0
40°	369063	11021	0	0	115
45°	136634	2915	124	124	341
50°	16102	375	273	273	512
55°	1606	0	306	421	726
60°	175	0	482	658	833
65°	208	208	778	986	1193
70°	256	256	962	962	1475
75°	339	339	932	932	1271
80°	0	505	1389	1010	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 136634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	47.2	11.7
20°-30°	148.2	36.6
30°-40°	156.0	38.5
40°-50°	45.8	11.3
50°-60°	2.5	0.6
60°-70°	1.2	0.3
70°-80°	1.0	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°	198.0	48.9
0°-40°	354.0	87.4
0°-60°	402.3	99.3
0°-90°	405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	405.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	44	32	16	8	6	8
15°	876	143	9	2	1	276
25°	1927	216	3	0	0	884
35°	1845	95	0	0	0	1113
45°	441	9	0	0	1	400
55°	4	0	1	1	2	11
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°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2.5°	26.8	27.2	26.1	26.8	26.1	25.7	25.3	23.4	20.4	17.4	14.4
5°	43.5	43.5	41.6	41.2	40.4	38.9	37.4	32.1	23.1	16.2	11.3
7.5°	68.0	67.6	66.9	65.0	61.2	57.4	53.7	41.9	25.3	15.1	8.7
10°	187.8	185.2	181.8	161.4	138.3	117.9	100.1	54.0	27.2	13.2	6.4
12.5°	466.7	451.6	415.7	374.8	322.7	267.9	214.3	88.0	28.0	11.0	4.5
15°	875.9	844.5	788.6	707.0	600.4	480.7	378.6	142.8	27.2	9.1	3.4
17.5°	1322.5	1292.3	1214.9	1090.9	934.1	750.1	569.5	189.3	25.3	7.6	2.3
20°	1640.3	1608.2	1535.7	1404.2	1234.5	989.3	749.7	222.6	23.8	5.7	1.1
21°	1733.3	1701.2	1624.5	1497.5	1319.1	1073.2	807.5	228.2	22.7	4.9	0.8
22°	1792.2	1773.3	1691.0	1567.8	1386.0	1140.4	857.0	230.9	21.9	4.5	0.8
23°	1851.6	1823.2	1746.1	1616.2	1437.0	1190.3	893.7	229.0	21.2	3.8	0.4
24°	1895.4	1871.6	1782.0	1653.6	1472.6	1220.9	915.2	224.1	20.0	3.4	0.4
25°	1926.8	1904.8	1811.5	1678.9	1496.4	1237.5	922.0	216.5	18.9	3.0	0.4
26°	1956.6	1932.8	1836.1	1693.6	1508.8	1242.8	915.6	208.2	17.8	2.6	0.0
27°	1978.2	1954.0	1853.1	1702.3	1509.6	1236.4	898.2	196.9	16.6	2.3	0.0
28°	2001.2	1973.2	1864.8	1707.2	1505.1	1221.3	873.3	184.8	15.9	1.9	0.0
29°	2015.2	1988.7	1876.9	1712.5	1495.6	1196.0	837.0	170.4	14.0	1.1	0.0
30°	2024.3	1992.9	1875.7	1706.8	1483.1	1168.8	793.5	158.3	12.1	1.1	0.0
31°	2016.7	1983.8	1863.7	1691.0	1463.1	1133.2	748.9	143.2	9.8	0.8	0.0
32°	2000.4	1961.5	1842.5	1663.4	1427.2	1087.5	702.8	130.7	7.2	0.8	0.0
33°	1960.8	1927.9	1804.3	1626.4	1380.4	1025.5	642.8	118.7	4.9	0.4	0.0
34°	1910.9	1878.0	1752.2	1576.9	1317.6	945.4	569.8	106.2	4.2	0.4	0.0
35°	1845.1	1812.6	1693.2	1507.7	1234.5	849.1	494.6	95.2	3.4	0.4	0.0
36°	1776.0	1732.9	1618.8	1434.0	1123.0	739.5	414.1	82.8	2.6	0.4	0.0
37°	1674.3	1645.2	1518.7	1321.8	1002.5	634.4	355.6	71.4	1.9	0.4	0.0
38°	1568.9	1542.1	1418.5	1208.8	868.0	530.5	297.8	60.5	1.5	0.0	0.0
39°	1460.1	1415.5	1293.4	1064.1	727.0	444.4	250.5	50.6	0.8	0.0	0.0
40°	1289.3	1255.3	1124.9	890.3	601.6	360.1	213.5	38.5	0.8	0.0	0.0
42.5°	854.7	823.0	686.2	482.9	319.7	210.5	140.9	15.1	0.0	0.4	0.0
45°	440.6	420.6	341.6	252.8	181.4	129.2	90.7	9.4	0.0	0.4	0.4
47.5°	175.0	171.6	154.9	133.8	103.2	76.7	49.5	4.2	0.0	0.4	0.4
50°	47.2	47.6	44.6	41.2	37.4	35.1	20.8	1.1	0.0	0.8	0.4
52.5°	20.0	20.4	19.6	18.5	16.6	12.5	8.3	0.4	0.4	0.8	0.8
55°	4.2	4.5	4.9	5.3	6.0	5.3	3.4	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.1	1.1	0.8	0.0	0.4	0.8	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	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	0.8	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.1	0.8



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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	0.8	1.1	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	0.8
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°	17.4	17.4	17.4
2.5°	12.1	11.0	10.6
5°	8.3	7.2	6.4
7.5°	5.7	4.5	4.2
10°	3.8	3.0	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.8	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	0.8
45°	0.4	0.8	1.1
47.5°	0.8	1.1	1.5
50°	0.8	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	2.3
60°	1.5	1.9	1.9
62.5°	1.5	2.3	2.3
65°	1.9	2.3	2.3
67.5°	1.9	2.3	2.3
70°	1.5	1.9	2.3
72.5°	1.5	1.9	1.9
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.8	1.1	1.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
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)