

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: P1344727

Luminaire Tested: P3A13R25W2N902750DE010 E3A301WMH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344727
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

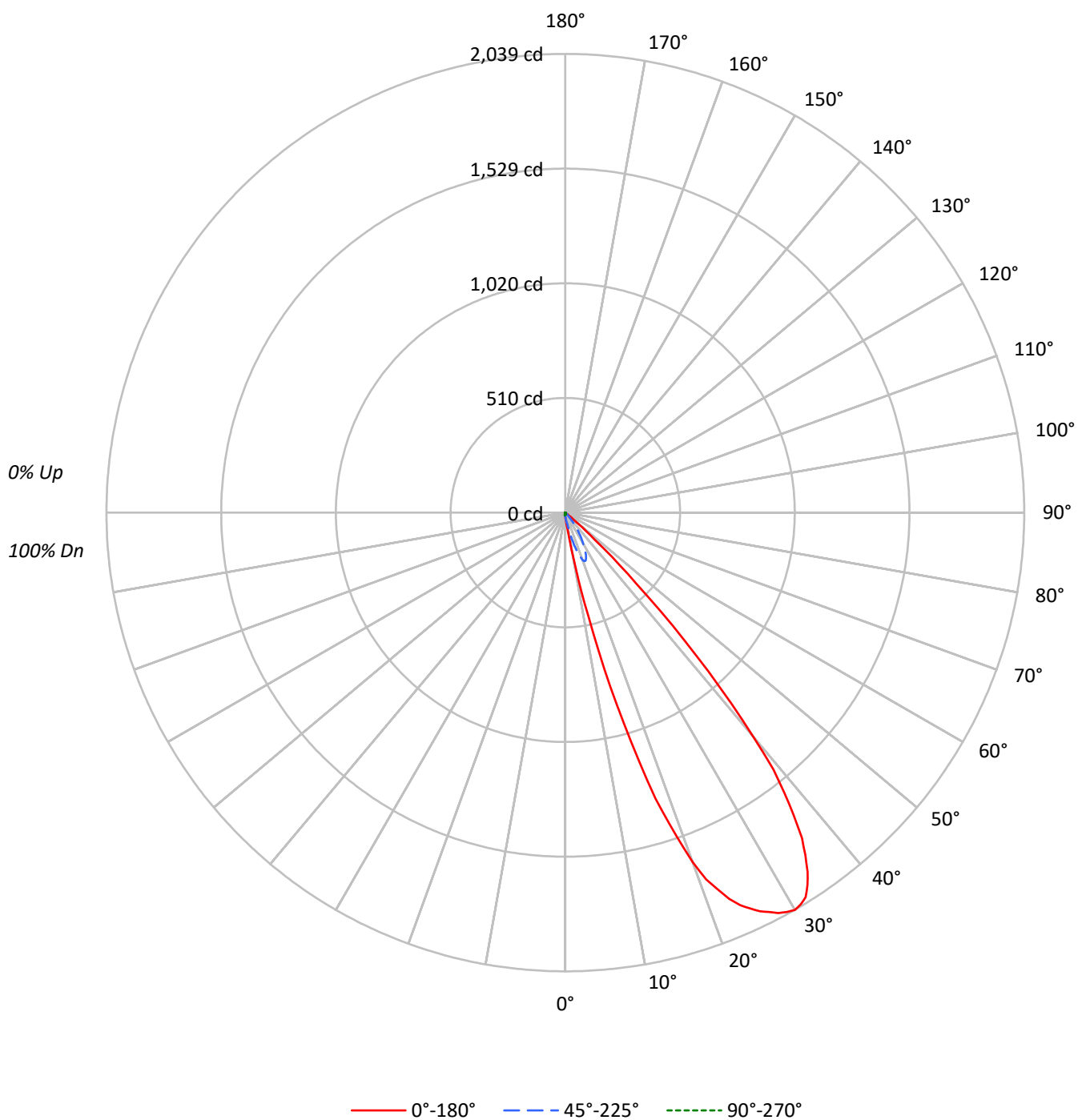
Lumens per Lamp: N/A
Luminaire Lumens: 408.0 lumens
Efficiency: N/A
Efficacy: 33.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	3837	3837	3837	3837	3837
5°	9641	7132	3610	1849	1431
10°	42128	12113	2961	846	601
15°	200319	32668	2066	341	250
20°	385617	52318	1330	93	93
25°	469624	52769	726	0	0
30°	516333	40386	279	0	0
35°	497586	25672	107	0	0
40°	371782	11107	0	0	115
45°	137658	2946	124	124	341
50°	16238	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: 137658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	47.6	11.7
20°-30°	149.3	36.6
30°-40°	157.2	38.5
40°-50°	46.2	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°	199.4	48.9
0°-40°	356.6	87.4
0°-60°	405.2	99.3
0°-90°	408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	44	32	16	8	6	8
15°	882	144	9	2	1	278
25°	1941	218	3	0	0	890
35°	1859	96	0	0	0	1122
45°	444	10	0	0	1	403
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°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2.5°	27.0	27.4	26.3	27.0	26.3	25.9	25.5	23.6	20.6	17.5	14.5
5°	43.8	43.8	41.9	41.5	40.7	39.2	37.7	32.4	23.2	16.4	11.4
7.5°	68.5	68.1	67.4	65.5	61.7	57.9	54.1	42.3	25.5	15.2	8.8
10°	189.2	186.5	183.1	162.5	139.3	118.8	100.9	54.4	27.4	13.3	6.5
12.5°	470.1	454.9	418.7	377.6	325.1	269.9	215.8	88.7	28.2	11.0	4.6
15°	882.4	850.8	794.5	712.2	604.9	484.2	381.4	143.9	27.4	9.1	3.4
17.5°	1332.3	1301.9	1223.9	1099.0	941.0	755.6	573.7	190.7	25.5	7.6	2.3
20°	1652.5	1620.1	1547.0	1414.6	1243.6	996.6	755.2	224.2	24.0	5.7	1.1
21°	1746.1	1713.8	1636.5	1508.6	1328.9	1081.1	813.5	229.9	22.8	4.9	0.8
22°	1805.5	1786.5	1703.5	1579.4	1396.3	1148.9	863.4	232.6	22.1	4.6	0.8
23°	1865.3	1836.7	1759.1	1628.1	1447.7	1199.1	900.3	230.7	21.3	3.8	0.4
24°	1909.4	1885.5	1795.2	1665.8	1483.5	1229.9	922.0	225.7	20.2	3.4	0.4
25°	1941.0	1919.0	1824.9	1691.3	1507.4	1246.7	928.8	218.1	19.0	3.0	0.4
26°	1971.1	1947.1	1849.7	1706.2	1520.0	1252.0	922.4	209.7	17.9	2.7	0.0
27°	1992.8	1968.4	1866.8	1714.9	1520.8	1245.5	904.9	198.3	16.7	2.3	0.0
28°	2016.0	1987.9	1878.6	1719.9	1516.2	1230.3	879.7	186.1	16.0	1.9	0.0
29°	2030.1	2003.5	1890.8	1725.2	1506.7	1204.8	843.2	171.7	14.1	1.1	0.0
30°	2039.2	2007.6	1889.6	1719.5	1494.1	1177.4	799.4	159.5	12.2	1.1	0.0
31°	2031.6	1998.5	1877.5	1703.5	1474.0	1141.6	754.5	144.3	9.9	0.8	0.0
32°	2015.3	1976.1	1856.1	1675.7	1437.8	1095.6	708.0	131.7	7.2	0.8	0.0
33°	1975.3	1942.2	1817.7	1638.4	1390.6	1033.1	647.5	119.5	4.9	0.4	0.0
34°	1925.0	1891.9	1765.2	1588.5	1327.4	952.4	574.0	107.0	4.2	0.4	0.0
35°	1858.8	1826.1	1705.8	1518.9	1243.6	855.4	498.3	95.9	3.4	0.4	0.0
36°	1789.1	1745.7	1630.8	1444.6	1131.3	745.0	417.2	83.4	2.7	0.4	0.0
37°	1686.7	1657.4	1529.9	1331.6	1009.9	639.1	358.2	71.9	1.9	0.4	0.0
38°	1580.5	1553.5	1429.0	1217.8	874.4	534.5	300.0	60.9	1.5	0.0	0.0
39°	1470.9	1426.0	1303.0	1072.0	732.4	447.7	252.4	51.0	0.8	0.0	0.0
40°	1298.8	1264.6	1133.3	896.9	606.0	362.8	215.1	38.8	0.8	0.0	0.0
42.5°	861.1	829.1	691.3	486.5	322.0	212.0	142.0	15.2	0.0	0.4	0.0
45°	443.9	423.7	344.1	254.7	182.7	130.2	91.4	9.5	0.0	0.4	0.4
47.5°	176.2	172.8	156.1	134.8	103.9	77.3	49.9	4.2	0.0	0.4	0.4
50°	47.6	48.0	44.9	41.5	37.7	35.4	20.9	1.1	0.0	0.8	0.4
52.5°	20.2	20.6	19.8	18.7	16.7	12.6	8.4	0.4	0.4	0.8	0.8
55°	4.2	4.6	4.9	5.3	6.1	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°	17.5	17.5	17.5
2.5°	12.2	11.0	10.7
5°	8.4	7.2	6.5
7.5°	5.7	4.6	4.2
10°	3.8	3.0	2.7
12.5°	2.7	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)