

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: P1344809

Luminaire Tested: P3A13R25W2N902765DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344809
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: P3A13R25W2N902765DE010 E3A301WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

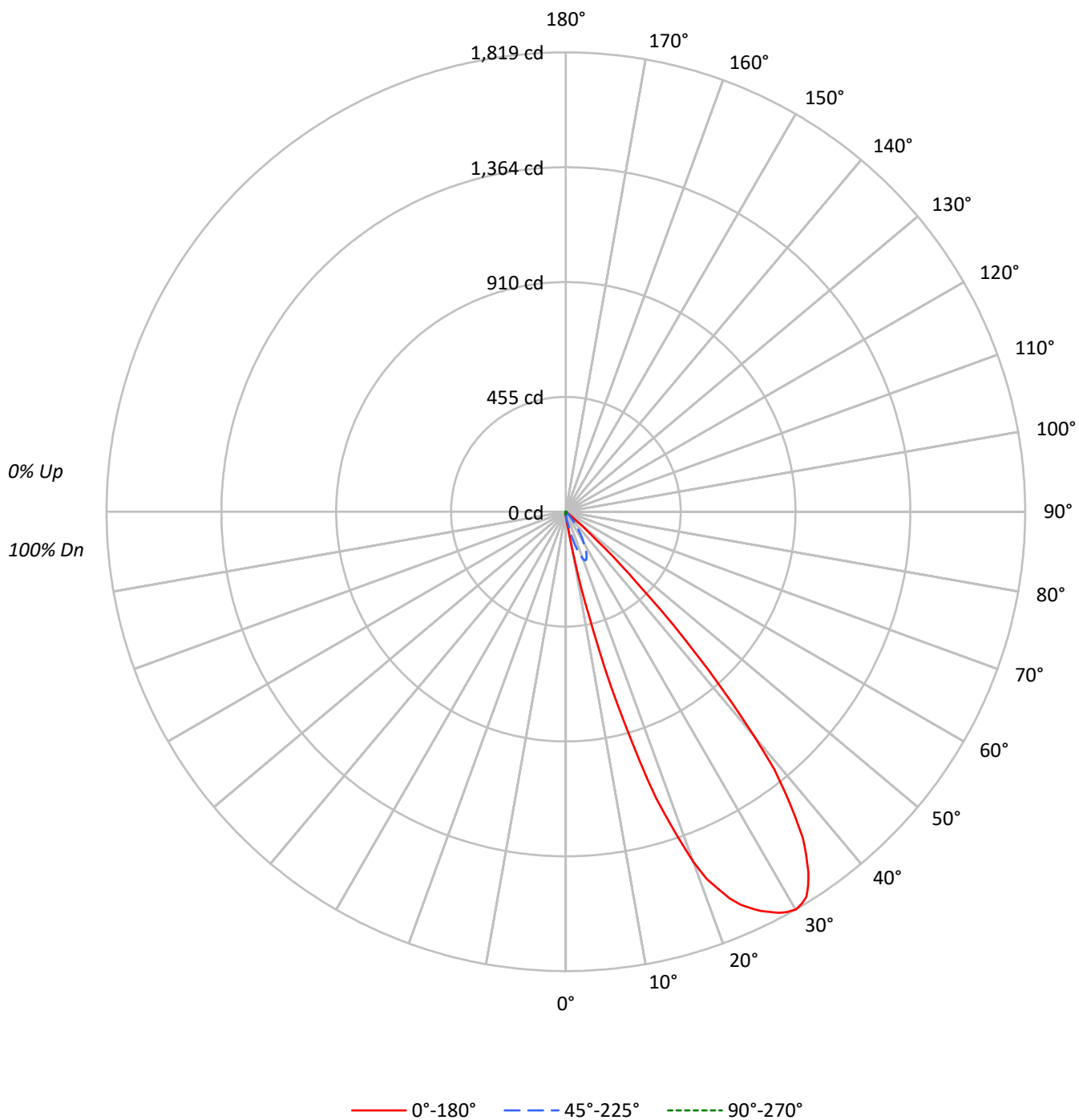
Lumens per Lamp: N/A
Luminaire Lumens: 364.0 lumens
Efficiency: N/A
Efficacy: 29.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	104	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°	3421	3421	3421	3421	3421
5°	8607	6361	3214	1651	1277
10°	37586	10821	2650	757	534
15°	178707	29149	1862	318	227
20°	344033	46671	1190	70	70
25°	418984	47083	653	0	0
30°	460653	36031	253	0	0
35°	443914	22914	80	0	0
40°	331707	9904	0	0	86
45°	122803	2636	93	93	310
50°	14498	341	239	239	478
55°	1415	0	268	382	650
60°	132	0	439	614	746
65°	156	156	726	882	1038
70°	192	192	898	898	1282
75°	254	254	847	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: 122803 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.6
10°-20°	42.4	11.7
20°-30°	133.2	36.6
30°-40°	140.2	38.5
40°-50°	41.2	11.3
50°-60°	2.2	0.6
60°-70°	1.1	0.3
70°-80°	0.9	0.3
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°	177.9	48.9
0°-40°	318.1	87.4
0°-60°	361.5	99.3
0°-90°	364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	39	29	15	8	6	7
15°	787	128	8	1	1	248
25°	1732	195	3	0	0	794
35°	1658	86	0	0	0	1001
45°	396	8	0	0	1	360
55°	4	0	1	1	2	9
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
2.5°	24.1	24.5	23.4	24.1	23.4	23.1	22.8	21.1	18.3	15.6	12.9
5°	39.1	39.1	37.4	37.0	36.3	35.0	33.6	28.9	20.7	14.6	10.2
7.5°	61.1	60.8	60.1	58.4	55.0	51.6	48.2	37.7	22.8	13.6	7.8
10°	168.8	166.4	163.4	145.0	124.3	106.0	90.0	48.6	24.5	11.9	5.8
12.5°	419.4	405.8	373.6	336.9	290.0	240.8	192.6	79.1	25.1	9.8	4.1
15°	787.2	759.0	708.8	635.4	539.7	432.0	340.3	128.4	24.5	8.2	3.1
17.5°	1188.7	1161.5	1091.9	980.5	839.5	674.1	511.8	170.1	22.8	6.8	2.0
20°	1474.3	1445.4	1380.2	1262.0	1109.5	889.1	673.8	200.0	21.4	5.1	1.0
21°	1557.8	1529.0	1460.0	1345.9	1185.6	964.5	725.8	205.1	20.4	4.4	0.7
22°	1610.8	1593.8	1519.8	1409.1	1245.7	1025.0	770.3	207.5	19.7	4.1	0.7
23°	1664.1	1638.7	1569.4	1452.5	1291.6	1069.8	803.2	205.8	19.0	3.4	0.3
24°	1703.5	1682.1	1601.6	1486.2	1323.5	1097.3	822.6	201.4	18.0	3.1	0.3
25°	1731.7	1712.0	1628.1	1508.9	1344.9	1112.2	828.7	194.6	17.0	2.7	0.3
26°	1758.5	1737.1	1650.2	1522.2	1356.1	1117.0	822.9	187.1	16.0	2.4	0.0
27°	1777.9	1756.2	1665.5	1530.0	1356.8	1111.2	807.3	176.9	14.9	2.0	0.0
28°	1798.6	1773.5	1676.0	1534.4	1352.7	1097.6	784.9	166.1	14.3	1.7	0.0
29°	1811.2	1787.4	1686.9	1539.1	1344.2	1074.9	752.3	153.2	12.6	1.0	0.0
30°	1819.3	1791.1	1685.9	1534.0	1333.0	1050.4	713.2	142.3	10.9	1.0	0.0
31°	1812.5	1783.0	1675.0	1519.8	1315.0	1018.5	673.1	128.7	8.8	0.7	0.0
32°	1797.9	1762.9	1656.0	1495.0	1282.7	977.4	631.7	117.5	6.5	0.7	0.0
33°	1762.3	1732.7	1621.7	1461.7	1240.6	921.7	577.7	106.6	4.4	0.3	0.0
34°	1717.4	1687.9	1574.8	1417.2	1184.2	849.7	512.1	95.4	3.7	0.3	0.0
35°	1658.3	1629.1	1521.8	1355.1	1109.5	763.1	444.6	85.6	3.1	0.3	0.0
36°	1596.2	1557.5	1454.9	1288.8	1009.3	664.6	372.2	74.4	2.4	0.3	0.0
37°	1504.8	1478.7	1364.9	1188.0	901.0	570.2	319.6	64.2	1.7	0.3	0.0
38°	1410.1	1386.0	1274.9	1086.4	780.1	476.8	267.6	54.3	1.4	0.0	0.0
39°	1312.3	1272.2	1162.5	956.4	653.4	399.4	225.2	45.5	0.7	0.0	0.0
40°	1158.8	1128.2	1011.0	800.1	540.7	323.7	191.9	34.6	0.7	0.0	0.0
42.5°	768.2	739.7	616.7	434.0	287.3	189.2	126.7	13.6	0.0	0.3	0.0
45°	396.0	378.0	307.0	227.2	163.0	116.1	81.5	8.5	0.0	0.3	0.3
47.5°	157.2	154.2	139.2	120.2	92.7	68.9	44.5	3.7	0.0	0.3	0.3
50°	42.5	42.8	40.1	37.0	33.6	31.6	18.7	1.0	0.0	0.7	0.3
52.5°	18.0	18.3	17.7	16.6	14.9	11.2	7.5	0.3	0.3	0.7	0.7
55°	3.7	4.1	4.4	4.8	5.4	4.8	3.1	0.0	0.3	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.0	0.3	0.7	1.0
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7	1.0	1.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	1.4
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.4	1.4
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.4
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.4
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	0.7



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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	0.3	0.3	0.7	1.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
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°	15.6	15.6	15.6
2.5°	10.9	9.8	9.5
5°	7.5	6.5	5.8
7.5°	5.1	4.1	3.7
10°	3.4	2.7	2.4
12.5°	2.4	1.4	1.4
15°	1.4	1.0	1.0
17.5°	0.7	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.7
45°	0.3	0.7	1.0
47.5°	0.7	1.0	1.4
50°	0.7	1.4	1.4
52.5°	1.0	1.4	1.7
55°	1.0	1.7	1.7
57.5°	1.4	1.7	2.0
60°	1.4	1.7	1.7
62.5°	1.4	2.0	2.0
65°	1.7	2.0	2.0
67.5°	1.7	2.0	2.0
70°	1.4	1.7	2.0
72.5°	1.4	1.7	1.7
75°	1.0	1.4	1.4
77.5°	1.0	1.0	1.4
80°	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)