

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: P1344810

Luminaire Tested: P3A13R25W2N902765DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344810
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

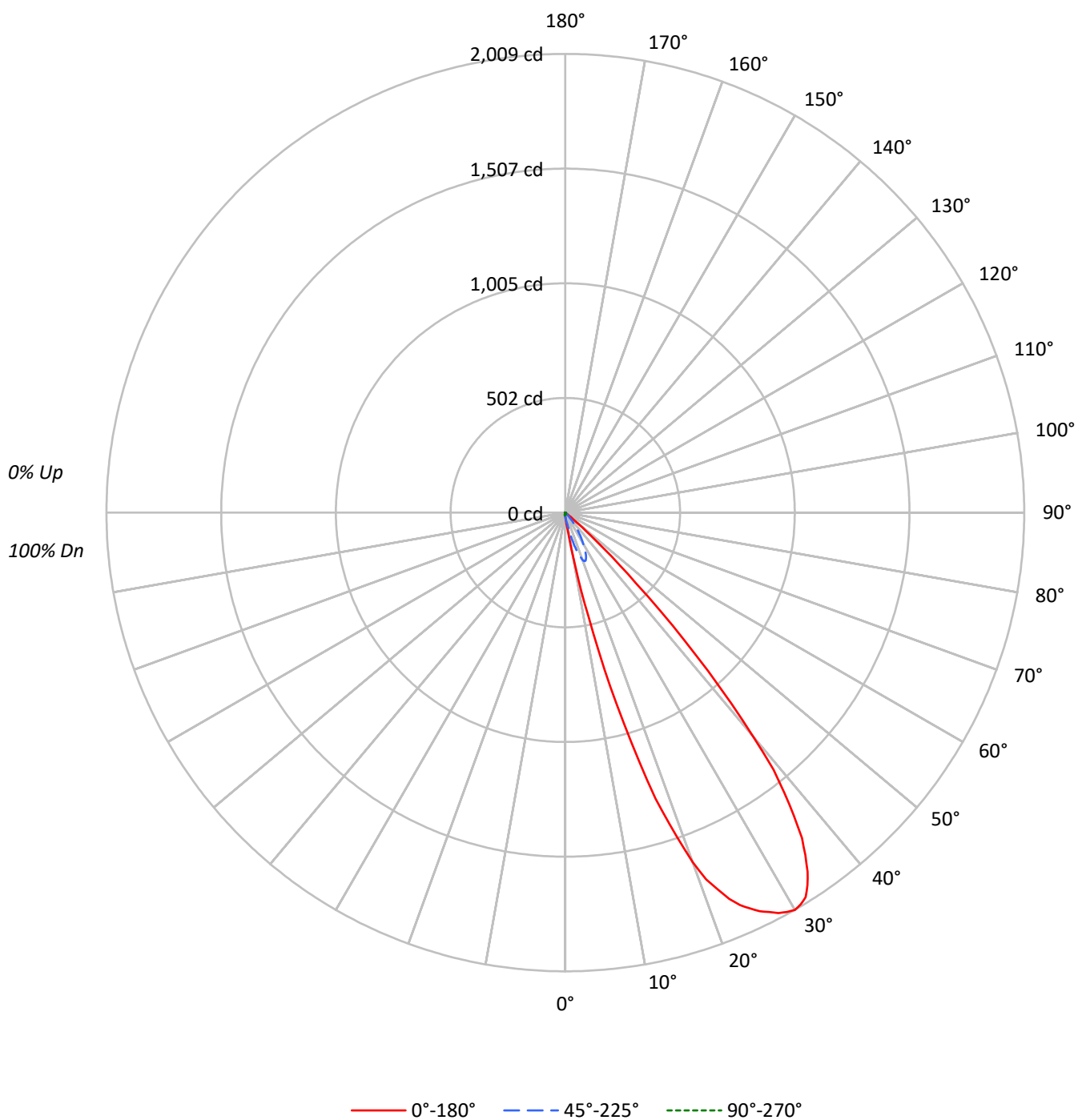
Lumens per Lamp: N/A
Luminaire Lumens: 402.1 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	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	69	59	52	47	58	52	47	57	51	47	56	50	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°	3794	3794	3794	3794	3794
5°	9487	7022	3544	1827	1409
10°	41504	11935	2917	846	579
15°	197368	32191	2043	341	250
20°	379946	51548	1307	93	93
25°	462728	51995	726	0	0
30°	508762	39804	279	0	0
35°	490278	25297	107	0	0
40°	366315	10963	0	0	115
45°	135611	2915	124	124	341
50°	15999	375	273	273	512
55°	1567	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: 135611 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	46.9	11.7
20°-30°	147.1	36.6
30°-40°	154.9	38.5
40°-50°	45.5	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°	196.5	48.9
0°-40°	351.3	87.4
0°-60°	399.3	99.3
0°-90°	402.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	43	32	16	8	6	8
15°	869	142	9	2	1	274
25°	1912	215	3	0	0	877
35°	1832	94	0	0	0	1105
45°	437	9	0	0	1	397
55°	4	0	1	1	2	10
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°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
2.5°	26.6	27.0	25.9	26.6	25.9	25.5	25.1	23.3	20.3	17.3	14.3
5°	43.1	43.1	41.3	40.9	40.1	38.6	37.1	31.9	22.9	16.1	11.3
7.5°	67.5	67.1	66.4	64.5	60.8	57.0	53.3	41.6	25.1	15.0	8.6
10°	186.4	183.8	180.4	160.2	137.3	117.0	99.4	53.6	27.0	13.1	6.4
12.5°	463.2	448.2	412.6	372.1	320.3	265.9	212.7	87.4	27.8	10.9	4.5
15°	869.4	838.3	782.8	701.8	596.0	477.1	375.8	141.8	27.0	9.0	3.4
17.5°	1312.7	1282.7	1205.9	1082.8	927.2	744.5	565.2	187.9	25.1	7.5	2.3
20°	1628.2	1596.3	1524.3	1393.8	1225.4	981.9	744.1	220.9	23.6	5.6	1.1
21°	1720.5	1688.6	1612.4	1486.4	1309.4	1065.2	801.5	226.5	22.5	4.9	0.8
22°	1779.0	1760.2	1678.4	1556.2	1375.8	1132.0	850.7	229.2	21.8	4.5	0.8
23°	1837.8	1809.7	1733.2	1604.2	1426.4	1181.5	887.0	227.3	21.0	3.8	0.4
24°	1881.4	1857.7	1768.8	1641.3	1461.7	1211.9	908.4	222.4	19.9	3.4	0.4
25°	1912.5	1890.7	1798.1	1666.4	1485.3	1228.4	915.2	214.9	18.8	3.0	0.4
26°	1942.1	1918.5	1822.5	1681.1	1497.7	1233.6	908.8	206.7	17.6	2.6	0.0
27°	1963.5	1939.5	1839.3	1689.7	1498.4	1227.2	891.5	195.4	16.5	2.3	0.0
28°	1986.4	1958.6	1851.0	1694.6	1493.9	1212.2	866.8	183.4	15.8	1.9	0.0
29°	2000.3	1974.0	1863.0	1699.8	1484.5	1187.1	830.8	169.2	13.9	1.1	0.0
30°	2009.3	1978.1	1861.9	1694.2	1472.2	1160.1	787.6	157.2	12.0	1.1	0.0
31°	2001.8	1969.1	1849.9	1678.4	1452.3	1124.8	743.4	142.2	9.8	0.8	0.0
32°	1985.6	1947.0	1828.8	1651.1	1416.6	1079.5	697.6	129.8	7.1	0.8	0.0
33°	1946.2	1913.6	1791.0	1614.3	1370.1	1017.9	638.0	117.8	4.9	0.4	0.0
34°	1896.7	1864.1	1739.2	1565.2	1307.9	938.4	565.6	105.4	4.1	0.4	0.0
35°	1831.5	1799.2	1680.7	1496.5	1225.4	842.8	491.0	94.5	3.4	0.4	0.0
36°	1762.8	1720.1	1606.8	1423.4	1114.7	734.0	411.1	82.1	2.6	0.4	0.0
37°	1661.9	1633.1	1507.4	1312.0	995.1	629.7	352.9	70.9	1.9	0.4	0.0
38°	1557.3	1530.7	1408.0	1199.9	861.5	526.6	295.6	60.0	1.5	0.0	0.0
39°	1449.3	1405.0	1283.9	1056.2	721.6	441.1	248.7	50.3	0.8	0.0	0.0
40°	1279.7	1246.0	1116.6	883.7	597.1	357.4	211.9	38.3	0.8	0.0	0.0
42.5°	848.4	816.9	681.1	479.3	317.3	208.9	139.9	15.0	0.0	0.4	0.0
45°	437.3	417.5	339.1	250.9	180.0	128.3	90.0	9.4	0.0	0.4	0.4
47.5°	173.7	170.3	153.8	132.8	102.4	76.1	49.1	4.1	0.0	0.4	0.4
50°	46.9	47.3	44.3	40.9	37.1	34.9	20.6	1.1	0.0	0.8	0.4
52.5°	19.9	20.3	19.5	18.4	16.5	12.4	8.3	0.4	0.4	0.8	0.8
55°	4.1	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°	17.3	17.3	17.3
2.5°	12.0	10.9	10.5
5°	8.3	7.1	6.4
7.5°	5.6	4.5	4.1
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)