

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: P1344560

Luminaire Tested: P3A13R259830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344560
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: P3A13R259830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

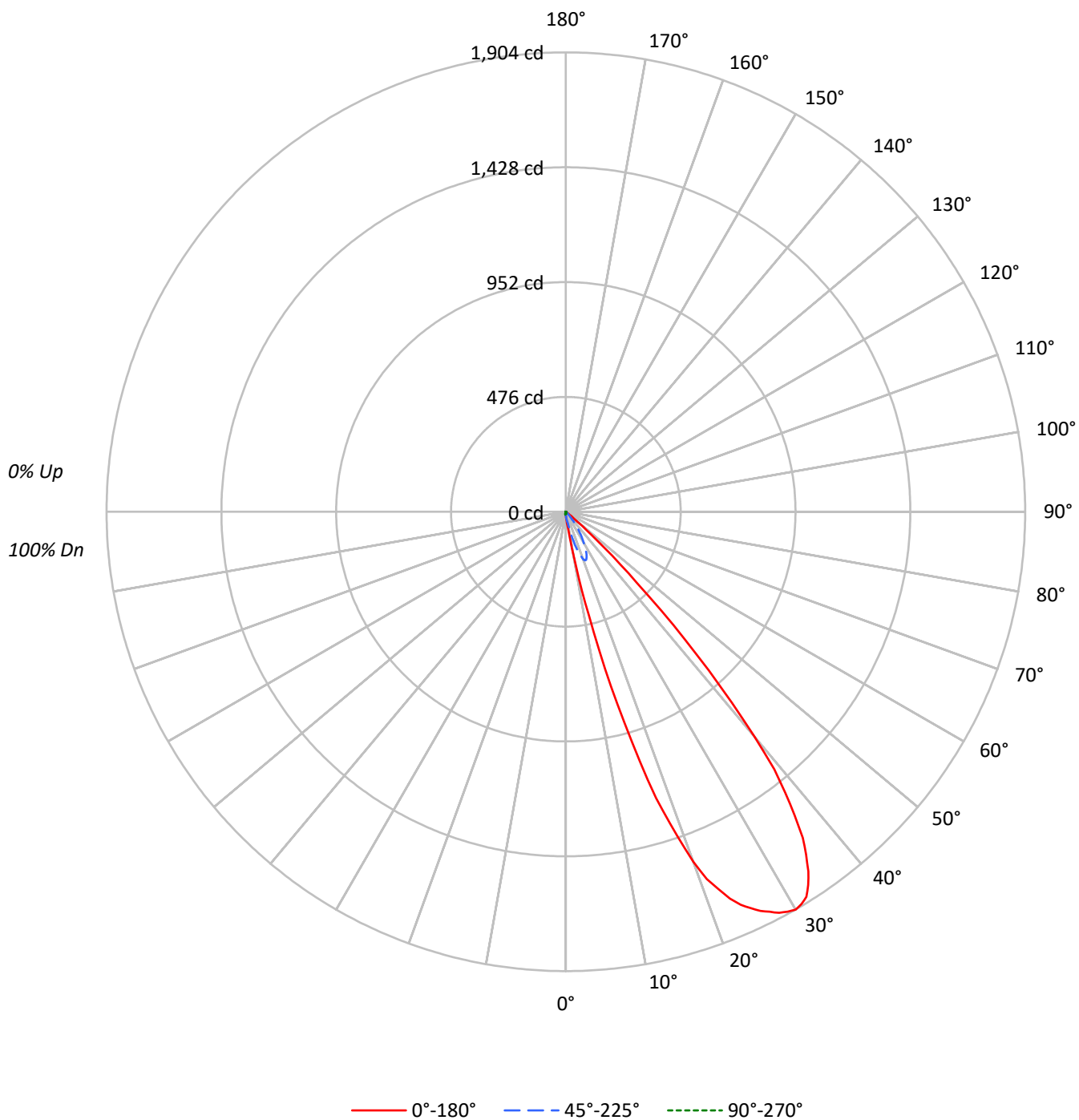
Lumens per Lamp: N/A
Luminaire Lumens: 381.1 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

TEST NUMBER: P1344560

CATALOG NUMBER: P3A13R259830DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1344560

CATALOG NUMBER: P3A13R259830DE010 E3A301WMH

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	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°	3596	3596	3596	3596	3596
5°	9003	6648	3368	1717	1321
10°	39345	11311	2761	802	557
15°	187061	30511	1930	318	250
20°	360088	48864	1237	93	93
25°	438558	49285	677	0	0
30°	482175	37702	279	0	0
35°	464660	23985	107	0	0
40°	347193	10391	0	0	115
45°	128540	2760	124	124	341
50°	15147	375	239	239	478
55°	1491	0	268	421	688
60°	175	0	482	614	789
65°	208	208	726	934	1090
70°	256	256	898	898	1346
75°	339	339	932	932	1186
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128540 cd/sqm

TEST NUMBER: P1344560

CATALOG NUMBER: P3A13R259830DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.6
10°-20°	44.4	11.7
20°-30°	139.4	36.6
30°-40°	146.8	38.5
40°-50°	43.1	11.3
50°-60°	2.3	0.6
60°-70°	1.1	0.3
70°-80°	1.0	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°	186.2	48.9
0°-40°	333.0	87.4
0°-60°	378.4	99.3
0°-90°	381.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	41	30	15	8	6	7
15°	824	134	8	1	1	260
25°	1813	204	3	0	0	831
35°	1736	90	0	0	0	1047
45°	414	9	0	0	1	377
55°	4	0	1	1	2	10
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	

TEST NUMBER: P1344560

CATALOG NUMBER: P3A13R259830DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
2.5°	25.2	25.6	24.5	25.2	24.5	24.2	23.8	22.0	19.2	16.4	13.5
5°	40.9	40.9	39.1	38.7	38.0	36.6	35.2	30.2	21.7	15.3	10.7
7.5°	64.0	63.6	62.9	61.1	57.6	54.0	50.5	39.5	23.8	14.2	8.2
10°	176.7	174.2	171.0	151.8	130.1	110.9	94.2	50.8	25.6	12.4	6.0
12.5°	439.0	424.8	391.0	352.6	303.6	252.0	201.6	82.8	26.3	10.3	4.3
15°	824.0	794.5	741.9	665.1	564.9	452.2	356.2	134.4	25.6	8.5	3.2
17.5°	1244.2	1215.7	1142.9	1026.3	878.7	705.6	535.7	178.1	23.8	7.1	2.1
20°	1543.1	1512.9	1444.7	1321.0	1161.3	930.6	705.3	209.4	22.4	5.3	1.1
21°	1630.6	1600.4	1528.2	1408.8	1241.0	1009.6	759.7	214.7	21.3	4.6	0.7
22°	1686.0	1668.3	1590.8	1474.9	1303.9	1072.8	806.2	217.2	20.6	4.3	0.7
23°	1741.8	1715.2	1642.7	1520.4	1351.9	1119.8	840.7	215.4	19.9	3.6	0.4
24°	1783.1	1760.7	1676.4	1555.6	1385.3	1148.5	861.0	210.8	18.8	3.2	0.4
25°	1812.6	1792.0	1704.2	1579.4	1407.7	1164.2	867.4	203.7	17.8	2.8	0.4
26°	1840.7	1818.3	1727.3	1593.3	1419.4	1169.2	861.3	195.9	16.7	2.5	0.0
27°	1860.9	1838.2	1743.3	1601.4	1420.1	1163.1	845.0	185.2	15.6	2.1	0.0
28°	1882.6	1856.3	1754.3	1606.0	1415.9	1148.9	821.5	173.8	14.9	1.8	0.0
29°	1895.8	1870.9	1765.7	1611.0	1407.0	1125.1	787.4	160.3	13.2	1.1	0.0
30°	1904.3	1874.8	1764.6	1605.7	1395.3	1099.5	746.5	148.9	11.4	1.1	0.0
31°	1897.2	1866.3	1753.2	1590.8	1376.4	1066.1	704.6	134.7	9.2	0.7	0.0
32°	1881.9	1845.3	1733.3	1564.8	1342.6	1023.1	661.2	123.0	6.8	0.7	0.0
33°	1844.6	1813.6	1697.4	1530.0	1298.6	964.8	604.7	111.6	4.6	0.4	0.0
34°	1797.7	1766.7	1648.4	1483.4	1239.6	889.4	536.1	99.9	3.9	0.4	0.0
35°	1735.8	1705.2	1592.9	1418.4	1161.3	798.8	465.3	89.6	3.2	0.4	0.0
36°	1670.7	1630.2	1522.9	1349.0	1056.5	695.7	389.6	77.8	2.5	0.4	0.0
37°	1575.1	1547.8	1428.7	1243.5	943.1	596.8	334.5	67.2	1.8	0.4	0.0
38°	1475.9	1450.7	1334.5	1137.2	816.5	499.1	280.1	56.9	1.4	0.0	0.0
39°	1373.6	1331.6	1216.8	1001.0	683.9	418.0	235.7	47.6	0.7	0.0	0.0
40°	1212.9	1180.9	1058.3	837.5	565.9	338.8	200.8	36.3	0.7	0.0	0.0
42.5°	804.1	774.2	645.5	454.3	300.7	198.0	132.6	14.2	0.0	0.4	0.0
45°	414.5	395.6	321.4	237.8	170.6	121.6	85.3	8.9	0.0	0.4	0.4
47.5°	164.6	161.4	145.7	125.8	97.0	72.2	46.6	3.9	0.0	0.4	0.4
50°	44.4	44.8	41.9	38.7	35.2	33.1	19.6	1.1	0.0	0.7	0.4
52.5°	18.8	19.2	18.5	17.4	15.6	11.7	7.8	0.4	0.4	0.7	0.7
55°	3.9	4.3	4.6	5.0	5.7	5.0	3.2	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.4	1.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	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	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



TEST NUMBER: P1344560

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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	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	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

TEST NUMBER: P1344560

CATALOG NUMBER: P3A13R259830DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	16.4	16.4	16.4
2.5°	11.4	10.3	10.0
5°	7.8	6.8	6.0
7.5°	5.3	4.3	3.9
10°	3.6	2.8	2.5
12.5°	2.5	1.4	1.4
15°	1.4	1.1	1.1
17.5°	0.7	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	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.4
50°	0.7	1.4	1.4
52.5°	1.1	1.4	1.8
55°	1.1	1.8	1.8
57.5°	1.4	1.8	2.1
60°	1.4	1.8	1.8
62.5°	1.4	2.1	2.1
65°	1.8	2.1	2.1
67.5°	1.8	2.1	2.1
70°	1.4	1.8	2.1
72.5°	1.4	1.8	1.8
75°	1.1	1.4	1.4
77.5°	1.1	1.1	1.4
80°	0.7	1.1	1.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
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)