

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: P1344451

Luminaire Tested: P3A13R259040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344451
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: P3A13R259040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

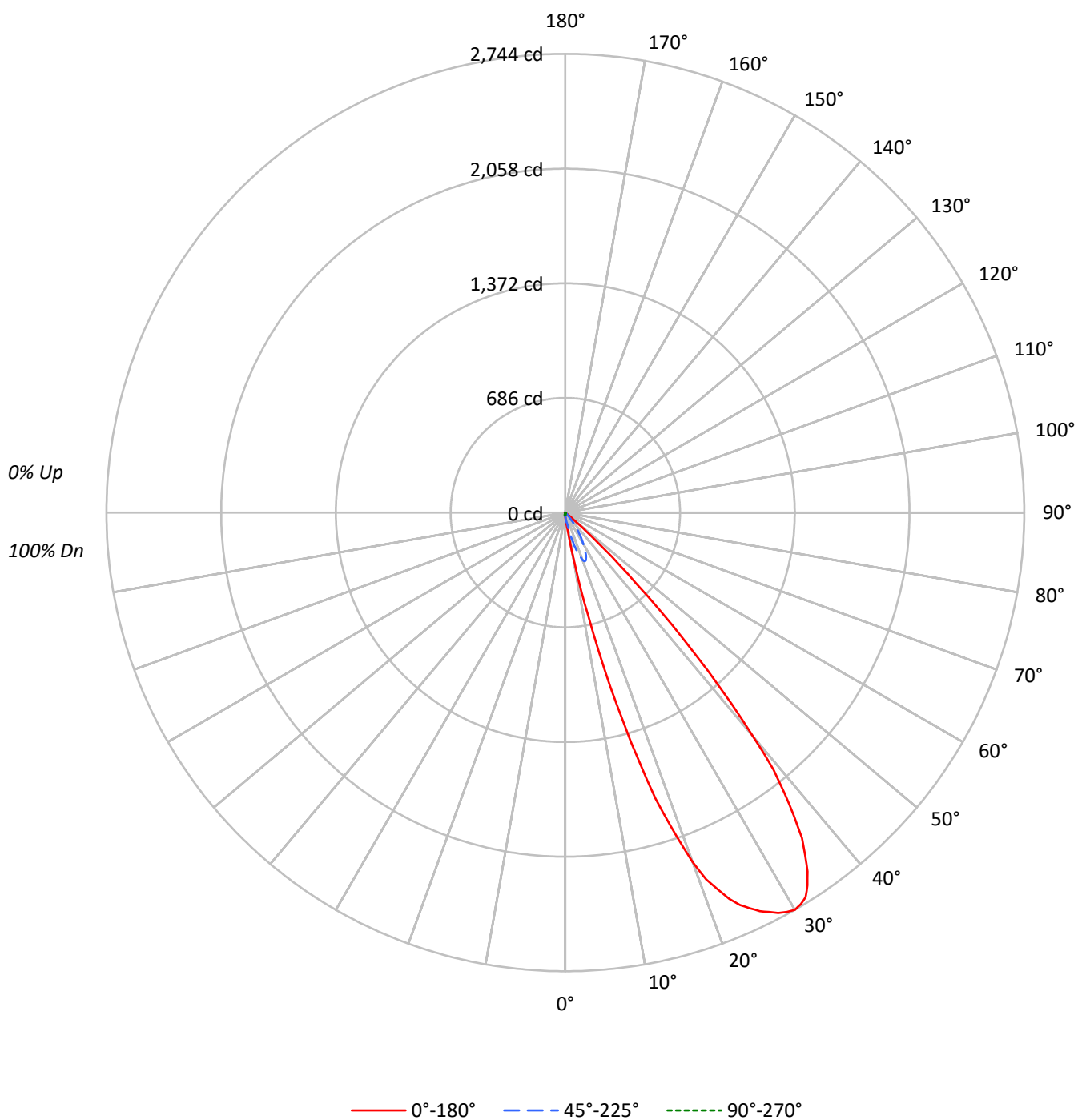
Lumens per Lamp: N/A
Luminaire Lumens: 548.9 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5175	5175	5175	5175	5175
5°	12965	9575	4843	2487	1915
10°	56690	16299	3986	1136	802
15°	269536	43950	2792	454	341
20°	518885	70403	1797	117	117
25°	631924	71012	992	0	0
30°	694790	54337	380	0	0
35°	669552	34559	134	0	0
40°	500280	14942	0	0	143
45°	185229	3969	155	155	465
50°	21833	512	341	341	682
55°	2141	0	382	573	994
60°	219	0	658	877	1140
65°	259	259	1038	1349	1608
70°	321	321	1282	1282	1988
75°	424	424	1271	1271	1694
80°	0	631	1894	1263	1894
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 185229 cd/sqm

TEST NUMBER: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.6
10°-20°	64.0	11.7
20°-30°	200.9	36.6
30°-40°	211.5	38.5
40°-50°	62.1	11.3
50°-60°	3.3	0.6
60°-70°	1.6	0.3
70°-80°	1.4	0.2
80°-90°	0.7	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°	268.3	48.9
0°-40°	479.8	87.4
0°-60°	545.2	99.3
0°-90°	548.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	59	44	22	11	9	11
15°	1187	194	12	2	2	374
25°	2612	294	4	0	0	1198
35°	2501	129	0	0	0	1509
45°	597	13	0	0	2	543
55°	6	0	1	2	3	14
65°	0	0	2	3	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2.5°	36.4	36.9	35.3	36.4	35.3	34.8	34.3	31.8	27.7	23.6	19.5
5°	58.9	58.9	56.3	55.8	54.8	52.8	50.7	43.5	31.2	22.0	15.4
7.5°	92.2	91.7	90.7	88.1	83.0	77.9	72.7	56.9	34.3	20.5	11.8
10°	254.6	251.0	246.4	218.7	187.5	159.8	135.7	73.2	36.9	17.9	8.7
12.5°	632.6	612.1	563.4	508.1	437.4	363.2	290.4	119.3	37.9	14.9	6.1
15°	1187.3	1144.8	1069.0	958.4	813.9	651.5	513.2	193.6	36.9	12.3	4.6
17.5°	1792.8	1751.8	1646.8	1478.8	1266.2	1016.8	771.9	256.6	34.3	10.2	3.1
20°	2223.6	2180.0	2081.7	1903.4	1673.4	1341.0	1016.3	301.7	32.3	7.7	1.5
21°	2349.6	2306.0	2202.1	2029.9	1788.2	1454.7	1094.6	309.4	30.7	6.7	1.0
22°	2429.5	2403.9	2292.2	2125.2	1878.8	1545.9	1161.7	313.0	29.7	6.1	1.0
23°	2509.9	2471.5	2367.0	2190.8	1948.0	1613.5	1211.4	310.4	28.7	5.1	0.5
24°	2569.3	2537.0	2415.6	2241.5	1996.1	1655.0	1240.6	303.7	27.1	4.6	0.5
25°	2611.8	2582.1	2455.6	2275.8	2028.4	1677.5	1249.8	293.5	25.6	4.1	0.5
26°	2652.3	2620.0	2488.9	2295.8	2045.3	1684.7	1241.1	282.2	24.1	3.6	0.0
27°	2681.5	2648.7	2511.9	2307.6	2046.3	1676.0	1217.6	266.9	22.5	3.1	0.0
28°	2712.7	2674.8	2527.8	2314.2	2040.2	1655.5	1183.7	250.5	21.5	2.6	0.0
29°	2731.7	2695.8	2544.2	2321.4	2027.4	1621.2	1134.6	231.0	19.0	1.5	0.0
30°	2744.0	2701.5	2542.7	2313.7	2010.5	1584.3	1075.7	214.6	16.4	1.5	0.0
31°	2733.7	2689.2	2526.3	2292.2	1983.3	1536.2	1015.2	194.1	13.3	1.0	0.0
32°	2711.7	2659.0	2497.6	2254.8	1934.7	1474.2	952.7	177.2	9.7	1.0	0.0
33°	2657.9	2613.4	2445.9	2204.6	1871.2	1390.2	871.3	160.8	6.7	0.5	0.0
34°	2590.3	2545.8	2375.2	2137.5	1786.1	1281.6	772.4	143.9	5.6	0.5	0.0
35°	2501.2	2457.1	2295.3	2043.8	1673.4	1151.0	670.5	129.1	4.6	0.5	0.0
36°	2407.5	2349.1	2194.4	1943.9	1522.3	1002.4	561.4	112.2	3.6	0.5	0.0
37°	2269.7	2230.2	2058.6	1791.8	1358.9	860.0	482.0	96.8	2.6	0.5	0.0
38°	2126.8	2090.4	1922.9	1638.6	1176.6	719.2	403.6	82.0	2.0	0.0	0.0
39°	1979.2	1918.8	1753.3	1442.4	985.5	602.4	339.6	68.6	1.0	0.0	0.0
40°	1747.7	1701.6	1524.9	1206.8	815.5	488.1	289.4	52.2	1.0	0.0	0.0
42.5°	1158.7	1115.6	930.2	654.6	433.3	285.3	191.1	20.5	0.0	0.5	0.0
45°	597.3	570.1	463.1	342.7	245.9	175.2	122.9	12.8	0.0	0.5	0.5
47.5°	237.2	232.5	210.0	181.3	139.8	104.0	67.1	5.6	0.0	0.5	0.5
50°	64.0	64.5	60.4	55.8	50.7	47.6	28.2	1.5	0.0	1.0	0.5
52.5°	27.1	27.7	26.6	25.1	22.5	16.9	11.3	0.5	0.5	1.0	1.0
55°	5.6	6.1	6.7	7.2	8.2	7.2	4.6	0.0	0.5	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.0	0.0	0.5	1.0	1.5
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.5	1.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.0	2.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.0	2.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.0	2.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.0	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.5	1.0



TEST NUMBER: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

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	0.5	0.5	1.0	1.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.0
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: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	23.6	23.6	23.6
2.5°	16.4	14.9	14.3
5°	11.3	9.7	8.7
7.5°	7.7	6.1	5.6
10°	5.1	4.1	3.6
12.5°	3.6	2.0	2.0
15°	2.0	1.5	1.5
17.5°	1.0	0.5	0.5
20°	0.5	0.5	0.5
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	0.5
39°	0.0	0.5	0.5
40°	0.0	0.5	0.5
42.5°	0.0	0.5	1.0
45°	0.5	1.0	1.5
47.5°	1.0	1.5	2.0
50°	1.0	2.0	2.0
52.5°	1.5	2.0	2.6
55°	1.5	2.6	2.6
57.5°	2.0	2.6	3.1
60°	2.0	2.6	2.6
62.5°	2.0	3.1	3.1
65°	2.6	3.1	3.1
67.5°	2.6	3.1	3.1
70°	2.0	2.6	3.1
72.5°	2.0	2.6	2.6
75°	1.5	2.0	2.0
77.5°	1.5	1.5	2.0
80°	1.0	1.5	1.5

TEST NUMBER: P1344451

CATALOG NUMBER: P3A13R259040DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.0	1.0	1.0
85°	0.5	0.5	0.5
87.5°	0.5	0.5	0.5
90°	0.0	0.0	0.0

(END OF REPORT)