

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: P1344421

Luminaire Tested: P3A13R259030DE010 E3A301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344421
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: P3A13R259030DE010 E3A301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

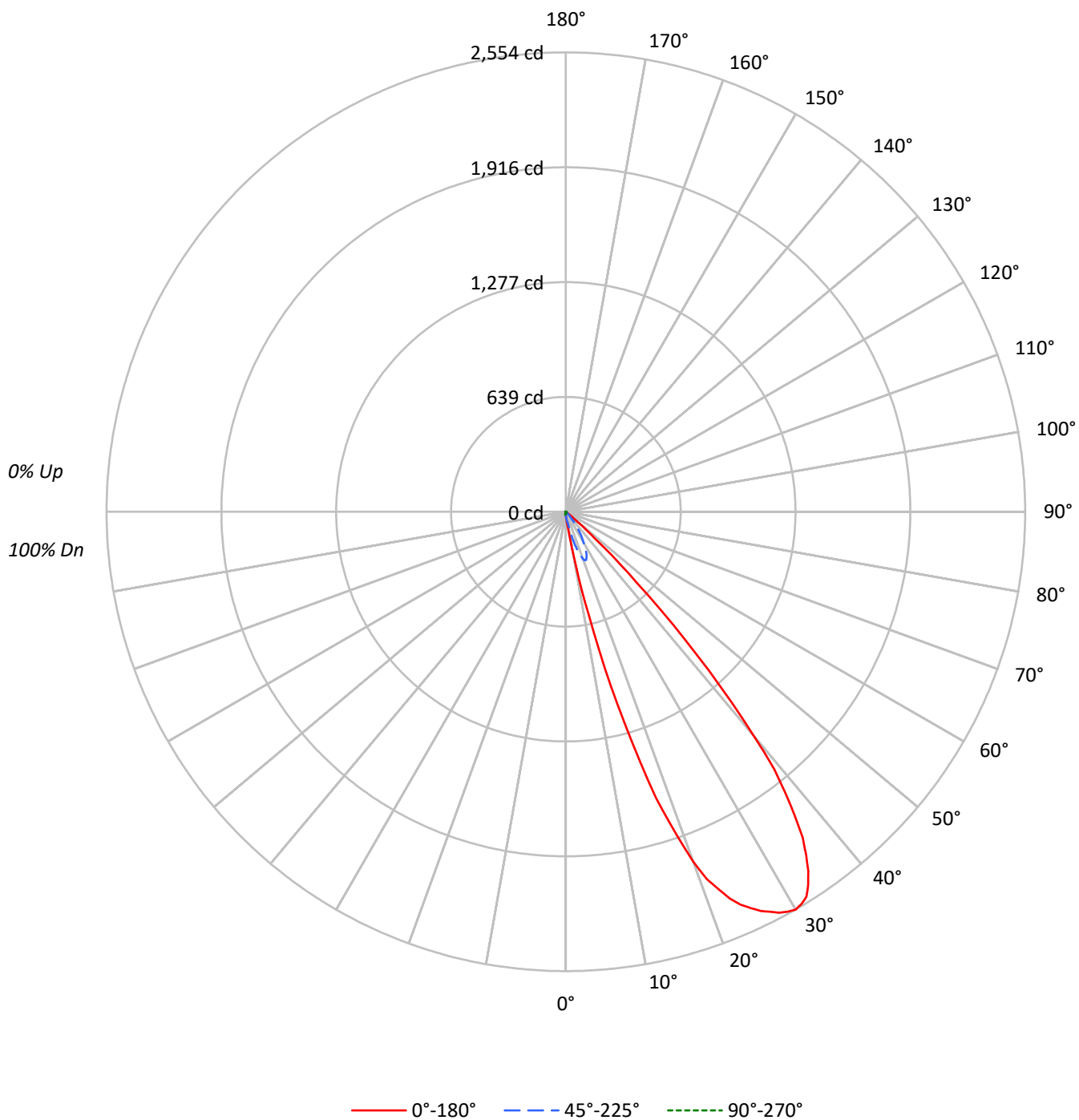
Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	70	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°	4802	4802	4802	4802	4802
5°	12062	8915	4512	2311	1783
10°	52771	15186	3718	1069	735
15°	250898	40908	2588	431	318
20°	482972	65526	1680	117	117
25°	588179	66101	919	0	0
30°	646707	50590	354	0	0
35°	623214	32150	134	0	0
40°	465644	13912	0	0	143
45°	172390	3690	155	155	434
50°	20332	478	341	341	648
55°	1988	0	382	535	918
60°	219	0	614	833	1053
65°	259	259	986	1245	1505
70°	321	321	1218	1218	1859
75°	424	424	1186	1186	1610
80°	0	631	1768	1263	1768
85°	0	1258	3522	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 172390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.6
10°-20°	59.6	11.7
20°-30°	187.0	36.6
30°-40°	196.8	38.5
40°-50°	57.8	11.3
50°-60°	3.1	0.6
60°-70°	1.5	0.3
70°-80°	1.3	0.3
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°	249.8	48.9
0°-40°	446.6	87.4
0°-60°	507.5	99.3
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	55	40	20	10	8	10
15°	1105	180	11	2	1	348
25°	2431	273	4	0	0	1115
35°	2328	120	0	0	0	1405
45°	556	12	0	0	1	505
55°	5	0	1	1	2	13
65°	0	0	2	2	3	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°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
2.5°	33.9	34.3	32.9	33.9	32.9	32.4	31.9	29.6	25.7	21.9	18.1
5°	54.8	54.8	52.4	52.0	51.0	49.1	47.2	40.5	29.1	20.5	14.3
7.5°	85.8	85.3	84.4	82.0	77.2	72.5	67.7	52.9	31.9	19.1	11.0
10°	237.0	233.6	229.3	203.6	174.5	148.8	126.3	68.2	34.3	16.7	8.1
12.5°	588.8	569.7	524.4	473.0	407.2	338.0	270.3	111.1	35.3	13.8	5.7
15°	1105.2	1065.6	995.0	892.0	757.6	606.5	477.7	180.2	34.3	11.4	4.3
17.5°	1668.7	1630.6	1532.8	1376.4	1178.6	946.4	718.5	238.9	31.9	9.5	2.9
20°	2069.7	2029.1	1937.6	1771.7	1557.6	1248.2	945.9	280.8	30.0	7.2	1.4
21°	2186.9	2146.4	2049.6	1889.4	1664.4	1354.0	1018.9	288.0	28.6	6.2	1.0
22°	2261.3	2237.5	2133.5	1978.1	1748.8	1438.9	1081.3	291.3	27.7	5.7	1.0
23°	2336.2	2300.4	2203.2	2039.1	1813.2	1501.8	1127.6	288.9	26.7	4.8	0.5
24°	2391.5	2361.4	2248.4	2086.3	1858.0	1540.4	1154.7	282.7	25.3	4.3	0.5
25°	2431.0	2403.4	2285.6	2118.3	1888.0	1561.4	1163.3	273.2	23.8	3.8	0.5
26°	2468.7	2438.7	2316.6	2136.9	1903.7	1568.1	1155.2	262.7	22.4	3.3	0.0
27°	2495.9	2465.4	2338.1	2147.8	1904.7	1560.0	1133.3	248.4	21.0	2.9	0.0
28°	2525.0	2489.7	2352.9	2154.0	1899.0	1540.9	1101.8	233.1	20.0	2.4	0.0
29°	2542.6	2509.2	2368.1	2160.7	1887.1	1509.0	1056.0	215.0	17.6	1.4	0.0
30°	2554.1	2514.5	2366.7	2153.6	1871.3	1474.6	1001.2	199.8	15.3	1.4	0.0
31°	2544.5	2503.0	2351.4	2133.5	1846.1	1429.8	945.0	180.7	12.4	1.0	0.0
32°	2524.0	2474.9	2324.7	2098.7	1800.8	1372.1	886.8	165.0	9.1	1.0	0.0
33°	2474.0	2432.5	2276.6	2052.0	1741.6	1294.0	811.0	149.7	6.2	0.5	0.0
34°	2411.0	2369.5	2210.8	1989.6	1662.5	1192.9	719.0	134.0	5.2	0.5	0.0
35°	2328.1	2287.1	2136.4	1902.3	1557.6	1071.3	624.1	120.1	4.3	0.5	0.0
36°	2240.8	2186.5	2042.5	1809.3	1417.0	933.0	522.5	104.4	3.3	0.5	0.0
37°	2112.6	2075.9	1916.1	1667.7	1264.9	800.5	448.6	90.1	2.4	0.5	0.0
38°	1979.5	1945.7	1789.8	1525.2	1095.1	669.4	375.7	76.3	1.9	0.0	0.0
39°	1842.2	1786.0	1632.0	1342.6	917.3	560.7	316.1	63.9	1.0	0.0	0.0
40°	1626.7	1583.8	1419.3	1123.3	759.0	454.4	269.4	48.6	1.0	0.0	0.0
42.5°	1078.5	1038.4	865.8	609.3	403.3	265.6	177.8	19.1	0.0	0.5	0.0
45°	555.9	530.6	431.0	319.0	228.8	163.1	114.4	11.9	0.0	0.5	0.5
47.5°	220.7	216.5	195.5	168.8	130.2	96.8	62.5	5.2	0.0	0.5	0.5
50°	59.6	60.1	56.3	52.0	47.2	44.3	26.2	1.4	0.0	1.0	0.5
52.5°	25.3	25.7	24.8	23.4	21.0	15.7	10.5	0.5	0.5	1.0	1.0
55°	5.2	5.7	6.2	6.7	7.6	6.7	4.3	0.0	0.5	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.4	1.4	1.0	0.0	0.5	1.0	1.4
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.4	1.4
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.4	1.9
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.9	1.9
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4	1.9	1.9
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4	1.9	1.9
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4	1.9	1.4
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.4	1.0



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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	0.5	0.5	1.0	1.4	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	21.9	21.9	21.9
2.5°	15.3	13.8	13.3
5°	10.5	9.1	8.1
7.5°	7.2	5.7	5.2
10°	4.8	3.8	3.3
12.5°	3.3	1.9	1.9
15°	1.9	1.4	1.4
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	1.4
47.5°	1.0	1.4	1.9
50°	1.0	1.9	1.9
52.5°	1.4	1.9	2.4
55°	1.4	2.4	2.4
57.5°	1.9	2.4	2.9
60°	1.9	2.4	2.4
62.5°	1.9	2.9	2.9
65°	2.4	2.9	2.9
67.5°	2.4	2.9	2.9
70°	1.9	2.4	2.9
72.5°	1.9	2.4	2.4
75°	1.4	1.9	1.9
77.5°	1.4	1.4	1.9
80°	1.0	1.4	1.4

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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)