

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: P1337337

Luminaire Tested: P3A05R259030DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337337
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: P3A05R259030DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

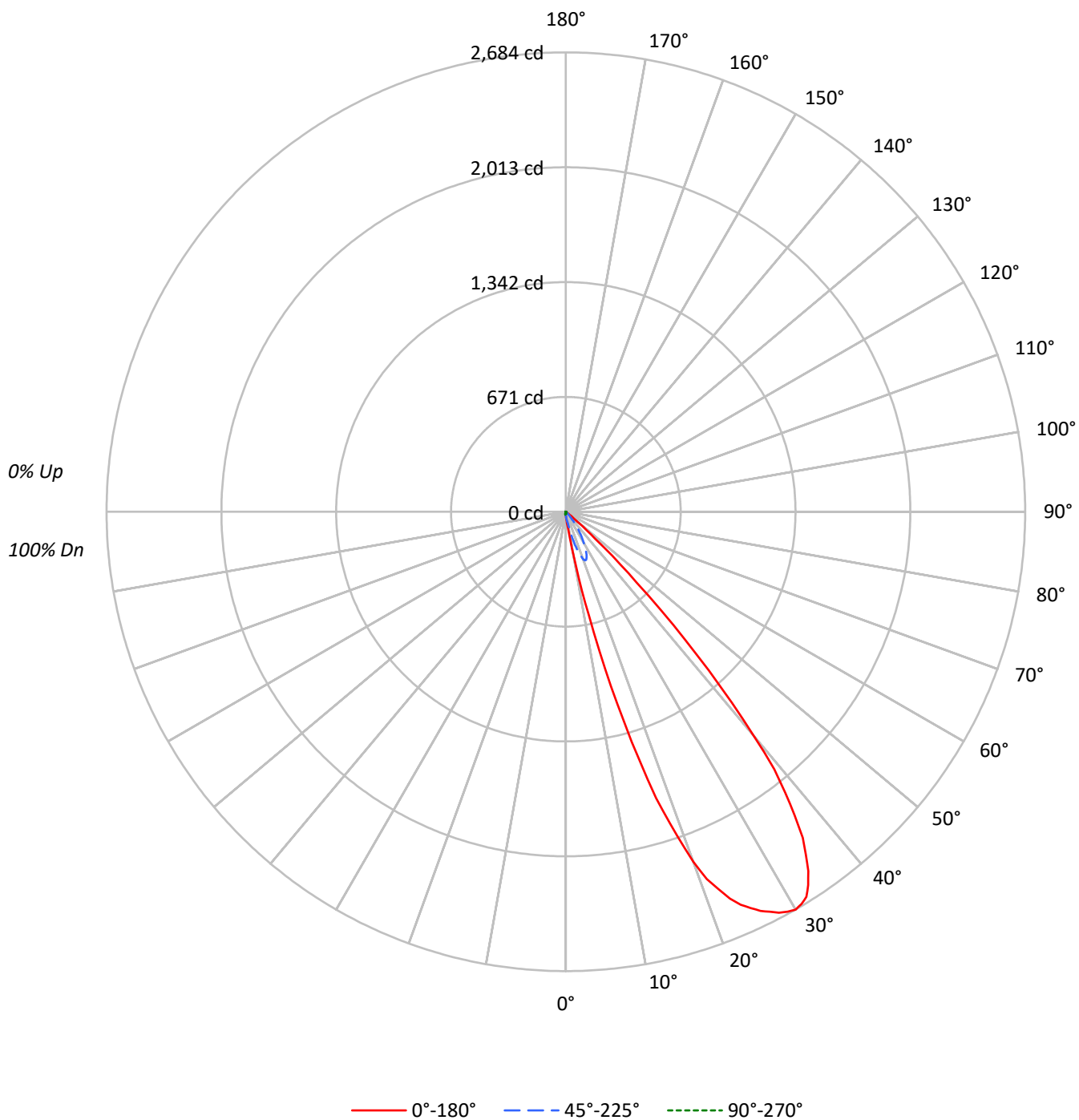
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5043	5043	5043	5043	5043
5°	12679	9377	4733	2421	1871
10°	55443	15943	3897	1113	779
15°	263656	42997	2724	454	341
20°	507544	68863	1750	117	117
25°	618108	69464	968	0	0
30°	679598	53147	380	0	0
35°	654909	33810	134	0	0
40°	489345	14627	0	0	143
45°	181166	3876	155	155	465
50°	21355	512	341	341	682
55°	2103	0	382	573	956
60°	219	0	658	877	1096
65°	259	259	1038	1297	1557
70°	321	321	1282	1282	1923
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: 181166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.6
10°-20°	62.6	11.7
20°-30°	196.5	36.6
30°-40°	206.9	38.5
40°-50°	60.8	11.3
50°-60°	3.3	0.6
60°-70°	1.6	0.3
70°-80°	1.4	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°	262.5	48.9
0°-40°	469.3	87.4
0°-60°	533.3	99.3
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	58	43	22	11	8	10
15°	1161	189	12	2	2	366
25°	2555	287	4	0	0	1172
35°	2446	126	0	0	0	1476
45°	584	12	0	0	2	531
55°	6	0	1	2	2	14
65°	0	0	2	2	3	0
75°	0	0	2	2	2	0
85°	0	0	2	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°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	35.6	36.1	34.6	35.6	34.6	34.1	33.6	31.1	27.1	23.0	19.0
5°	57.6	57.6	55.1	54.6	53.6	51.6	49.6	42.6	30.6	21.5	15.0
7.5°	90.2	89.7	88.7	86.2	81.2	76.2	71.1	55.6	33.6	20.0	11.5
10°	249.0	245.5	241.0	213.9	183.4	156.3	132.8	71.6	36.1	17.5	8.5
12.5°	618.8	598.7	551.1	497.0	427.9	355.2	284.1	116.7	37.1	14.5	6.0
15°	1161.4	1119.8	1045.6	937.4	796.1	637.3	502.0	189.4	36.1	12.0	4.5
17.5°	1753.6	1713.5	1610.8	1446.5	1238.5	994.5	755.0	251.0	33.6	10.0	3.0
20°	2175.0	2132.4	2036.2	1861.8	1636.9	1311.7	994.0	295.1	31.6	7.5	1.5
21°	2298.2	2255.6	2153.9	1985.6	1749.1	1422.9	1070.7	302.6	30.1	6.5	1.0
22°	2376.4	2351.3	2242.1	2078.8	1837.8	1512.1	1136.3	306.1	29.1	6.0	1.0
23°	2455.0	2417.5	2315.2	2142.9	1905.4	1578.2	1184.9	303.6	28.1	5.0	0.5
24°	2513.2	2481.6	2362.8	2192.5	1952.5	1618.8	1213.5	297.1	26.6	4.5	0.5
25°	2554.7	2525.7	2401.9	2226.1	1984.1	1640.9	1222.5	287.1	25.1	4.0	0.5
26°	2594.3	2562.8	2434.5	2245.6	2000.6	1647.9	1214.0	276.1	23.5	3.5	0.0
27°	2622.9	2590.8	2457.0	2257.1	2001.6	1639.4	1190.9	261.0	22.0	3.0	0.0
28°	2653.4	2616.4	2472.6	2263.6	1995.6	1619.3	1157.9	245.0	21.0	2.5	0.0
29°	2672.0	2636.9	2488.6	2270.7	1983.1	1585.8	1109.8	226.0	18.5	1.5	0.0
30°	2684.0	2642.4	2487.1	2263.1	1966.5	1549.7	1052.2	209.9	16.0	1.5	0.0
31°	2674.0	2630.4	2471.1	2242.1	1940.0	1502.6	993.0	189.9	13.0	1.0	0.0
32°	2652.4	2600.8	2443.0	2205.5	1892.4	1442.0	931.9	173.4	9.5	1.0	0.0
33°	2599.8	2556.2	2392.4	2156.4	1830.3	1359.8	852.2	157.3	6.5	0.5	0.0
34°	2533.7	2490.1	2323.3	2090.8	1747.1	1253.6	755.5	140.8	5.5	0.5	0.0
35°	2446.5	2403.4	2245.1	1999.1	1636.9	1125.8	655.8	126.3	4.5	0.5	0.0
36°	2354.8	2297.7	2146.4	1901.4	1489.1	980.5	549.1	109.7	3.5	0.5	0.0
37°	2220.1	2181.5	2013.6	1752.6	1329.2	841.2	471.5	94.7	2.5	0.5	0.0
38°	2080.3	2044.7	1880.9	1602.8	1150.9	703.4	394.8	80.2	2.0	0.0	0.0
39°	1936.0	1876.9	1715.0	1410.9	964.0	589.2	332.2	67.1	1.0	0.0	0.0
40°	1709.5	1664.4	1491.6	1180.4	797.6	477.5	283.1	51.1	1.0	0.0	0.0
42.5°	1133.3	1091.2	909.9	640.3	423.9	279.1	186.9	20.0	0.0	0.5	0.0
45°	584.2	557.6	452.9	335.2	240.5	171.4	120.2	12.5	0.0	0.5	0.5
47.5°	232.0	227.5	205.4	177.4	136.8	101.7	65.6	5.5	0.0	0.5	0.5
50°	62.6	63.1	59.1	54.6	49.6	46.6	27.6	1.5	0.0	1.0	0.5
52.5°	26.6	27.1	26.1	24.6	22.0	16.5	11.0	0.5	0.5	1.0	1.0
55°	5.5	6.0	6.5	7.0	8.0	7.0	4.5	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



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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	1.5	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	23.0	23.0	23.0
2.5°	16.0	14.5	14.0
5°	11.0	9.5	8.5
7.5°	7.5	6.0	5.5
10°	5.0	4.0	3.5
12.5°	3.5	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	2.5
55°	1.5	2.5	2.5
57.5°	2.0	2.5	3.0
60°	2.0	2.5	2.5
62.5°	2.0	3.0	3.0
65°	2.5	3.0	3.0
67.5°	2.5	3.0	3.0
70°	2.0	2.5	3.0
72.5°	2.0	2.5	2.5
75°	1.5	2.0	2.0
77.5°	1.5	1.5	2.0
80°	1.0	1.5	1.5



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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)