

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: P1344443

Luminaire Tested: P3A13R259035DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344443
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: P3A13R259035DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

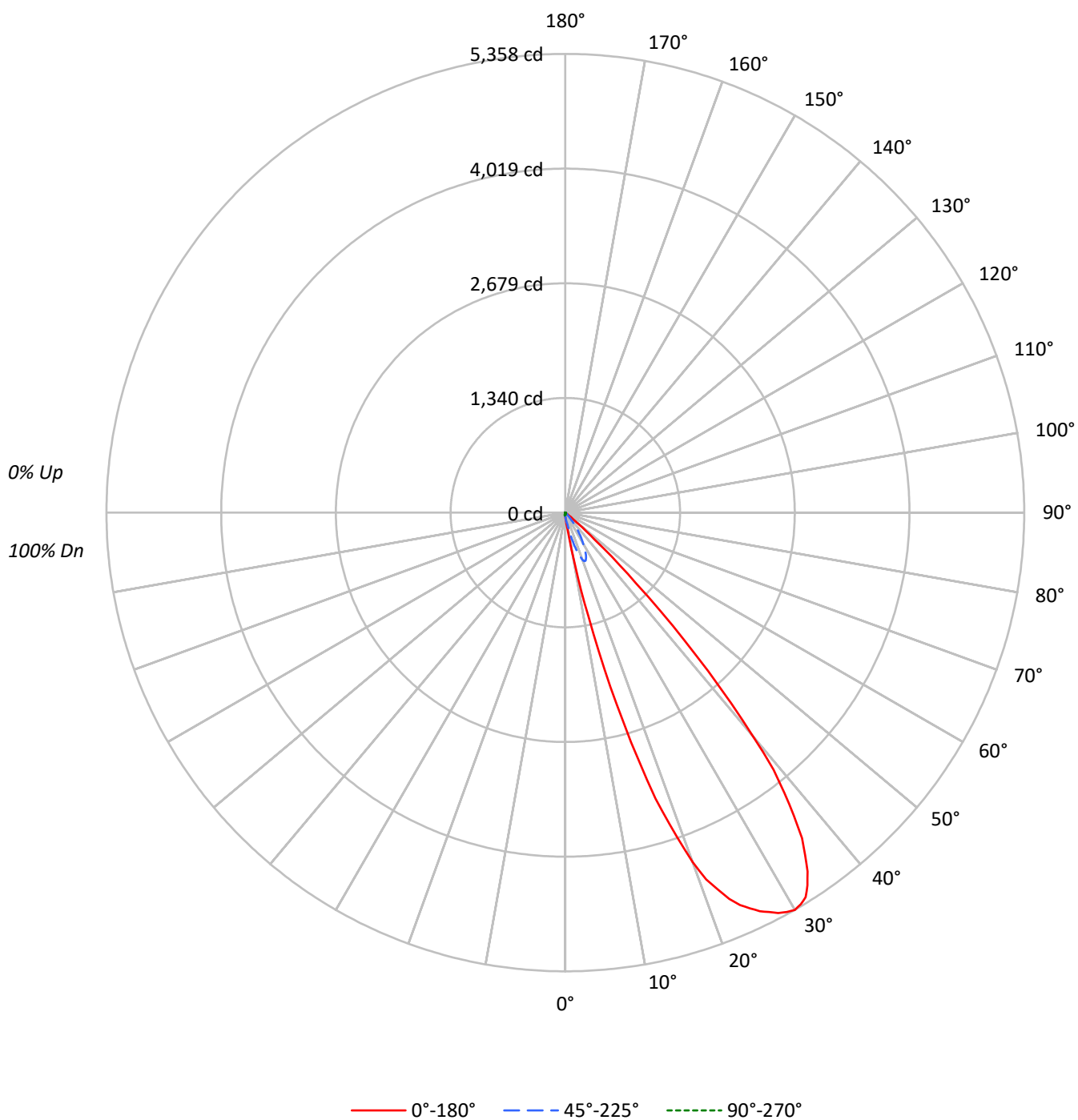
Lumens per Lamp: N/A
Luminaire Lumens: 1072.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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°	10087	10087	10087	10087	10087
5°	25314	18710	9465	4843	3742
10°	110686	31841	7793	2227	1559
15°	526314	85835	5448	908	681
20°	1013175	137469	3500	233	233
25°	1233942	138661	1936	0	0
30°	1356664	106118	760	0	0
35°	1307382	67458	268	0	0
40°	976859	29198	0	0	286
45°	361650	7753	310	310	930
50°	42643	1023	682	682	1365
55°	4205	0	765	1147	1912
60°	439	0	1316	1754	2193
65°	519	519	2075	2594	3113
70°	641	641	2565	2565	3847
75°	847	847	2542	2542	3389
80°	0	1263	3788	2526	3788
85°	0	2516	7548	2516	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 361650 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.6
10°-20°	125.0	11.7
20°-30°	392.3	36.6
30°-40°	413.0	38.5
40°-50°	121.3	11.3
50°-60°	6.5	0.6
60°-70°	3.2	0.3
70°-80°	2.7	0.3
80°-90°	1.4	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°	524.0	48.9
0°-40°	936.9	87.4
0°-60°	1064.7	99.3
0°-90°	1072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1072.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	115	85	43	22	17	21
15°	2318	378	24	4	3	731
25°	5100	573	8	0	0	2339
35°	4884	252	1	0	0	2947
45°	1166	25	1	1	3	1060
55°	11	0	2	3	5	28
65°	1	1	4	5	6	1
75°	1	1	3	3	4	1
85°	0	1	3	1	1	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°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	71.0	72.0	69.0	71.0	69.0	68.0	67.0	62.0	54.0	46.0	38.0
5°	115.0	115.0	110.0	109.0	107.0	103.0	99.0	85.0	61.0	43.0	30.0
7.5°	180.0	179.0	177.0	172.0	162.0	152.0	142.0	111.0	67.0	40.0	23.0
10°	497.1	490.1	481.1	427.1	366.1	312.1	265.1	143.0	72.0	35.0	17.0
12.5°	1235.2	1195.2	1100.2	992.2	854.2	709.1	567.1	233.0	74.0	29.0	12.0
15°	2318.4	2235.4	2087.4	1871.4	1589.3	1272.2	1002.2	378.1	72.0	24.0	9.0
17.5°	3500.7	3420.6	3215.6	2887.5	2472.5	1985.4	1507.3	501.1	67.0	20.0	6.0
20°	4341.8	4256.8	4064.8	3716.7	3267.6	2618.5	1984.4	589.1	63.0	15.0	3.0
21°	4587.9	4502.9	4299.8	3963.8	3491.7	2840.5	2137.4	604.1	60.0	13.0	2.0
22°	4743.9	4693.9	4475.8	4149.8	3668.7	3018.6	2268.4	611.1	58.0	12.0	2.0
23°	4900.9	4825.9	4621.9	4277.8	3803.7	3150.6	2365.4	606.1	56.0	10.0	1.0
24°	5017.0	4953.9	4716.9	4376.8	3897.7	3231.6	2422.5	593.1	53.0	9.0	1.0
25°	5100.0	5042.0	4794.9	4443.8	3960.8	3275.6	2440.5	573.1	50.0	8.0	1.0
26°	5179.0	5116.0	4859.9	4482.8	3993.8	3289.6	2423.5	551.1	47.0	7.0	0.0
27°	5236.0	5172.0	4904.9	4505.9	3995.8	3272.6	2377.5	521.1	44.0	6.0	0.0
28°	5297.0	5223.0	4935.9	4518.9	3983.8	3232.6	2311.4	489.1	42.0	5.0	0.0
29°	5334.0	5264.0	4967.9	4532.9	3958.8	3165.6	2215.4	451.1	37.0	3.0	0.0
30°	5358.0	5275.0	4964.9	4517.9	3925.7	3093.6	2100.4	419.1	32.0	3.0	0.0
31°	5338.0	5251.0	4932.9	4475.8	3872.7	2999.6	1982.4	379.1	26.0	2.0	0.0
32°	5295.0	5192.0	4876.9	4402.8	3777.7	2878.5	1860.4	346.1	19.0	2.0	0.0
33°	5190.0	5103.0	4775.9	4304.8	3653.7	2714.5	1701.3	314.1	13.0	1.0	0.0
34°	5058.0	4970.9	4637.9	4173.8	3487.7	2502.5	1508.3	281.1	11.0	1.0	0.0
35°	4883.9	4797.9	4481.8	3990.8	3267.6	2247.4	1309.2	252.0	9.0	1.0	0.0
36°	4700.9	4586.9	4284.8	3795.7	2972.6	1957.4	1096.2	219.0	7.0	1.0	0.0
37°	4431.8	4354.8	4019.8	3498.7	2653.5	1679.3	941.2	189.0	5.0	1.0	0.0
38°	4152.8	4081.8	3754.7	3199.6	2297.4	1404.3	788.1	160.0	4.0	0.0	0.0
39°	3864.7	3746.7	3423.6	2816.5	1924.4	1176.2	663.1	134.0	2.0	0.0	0.0
40°	3412.6	3322.6	2977.6	2356.4	1592.3	953.2	565.1	102.0	2.0	0.0	0.0
42.5°	2262.4	2178.4	1816.3	1278.2	846.2	557.1	373.1	40.0	0.0	1.0	0.0
45°	1166.2	1113.2	904.2	669.1	480.1	342.1	240.0	25.0	0.0	1.0	1.0
47.5°	463.1	454.1	410.1	354.1	273.1	203.0	131.0	11.0	0.0	1.0	1.0
50°	125.0	126.0	118.0	109.0	99.0	93.0	55.0	3.0	0.0	2.0	1.0
52.5°	53.0	54.0	52.0	49.0	44.0	33.0	22.0	1.0	1.0	2.0	2.0
55°	11.0	12.0	13.0	14.0	16.0	14.0	9.0	0.0	1.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	3.0	3.0	2.0	0.0	1.0	2.0	3.0
60°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	3.0	3.0
62.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	4.0
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	4.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	4.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	3.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0	3.0
77.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	3.0	3.0
80°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	3.0	2.0



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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	1.0	1.0	2.0	3.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	2.0
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°	46.0	46.0	46.0
2.5°	32.0	29.0	28.0
5°	22.0	19.0	17.0
7.5°	15.0	12.0	11.0
10°	10.0	8.0	7.0
12.5°	7.0	4.0	4.0
15°	4.0	3.0	3.0
17.5°	2.0	1.0	1.0
20°	1.0	1.0	1.0
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	1.0
39°	0.0	1.0	1.0
40°	0.0	1.0	1.0
42.5°	0.0	1.0	2.0
45°	1.0	2.0	3.0
47.5°	2.0	3.0	4.0
50°	2.0	4.0	4.0
52.5°	3.0	4.0	5.0
55°	3.0	5.0	5.0
57.5°	4.0	5.0	6.0
60°	4.0	5.0	5.0
62.5°	4.0	6.0	6.0
65°	5.0	6.0	6.0
67.5°	5.0	6.0	6.0
70°	4.0	5.0	6.0
72.5°	4.0	5.0	5.0
75°	3.0	4.0	4.0
77.5°	3.0	3.0	4.0
80°	2.0	3.0	3.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.0	2.0	2.0
85°	1.0	1.0	1.0
87.5°	1.0	1.0	1.0
90°	0.0	0.0	0.0

(END OF REPORT)