

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: P1344385

Luminaire Tested: P3A13R259024DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344385
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: P3A13R259024DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

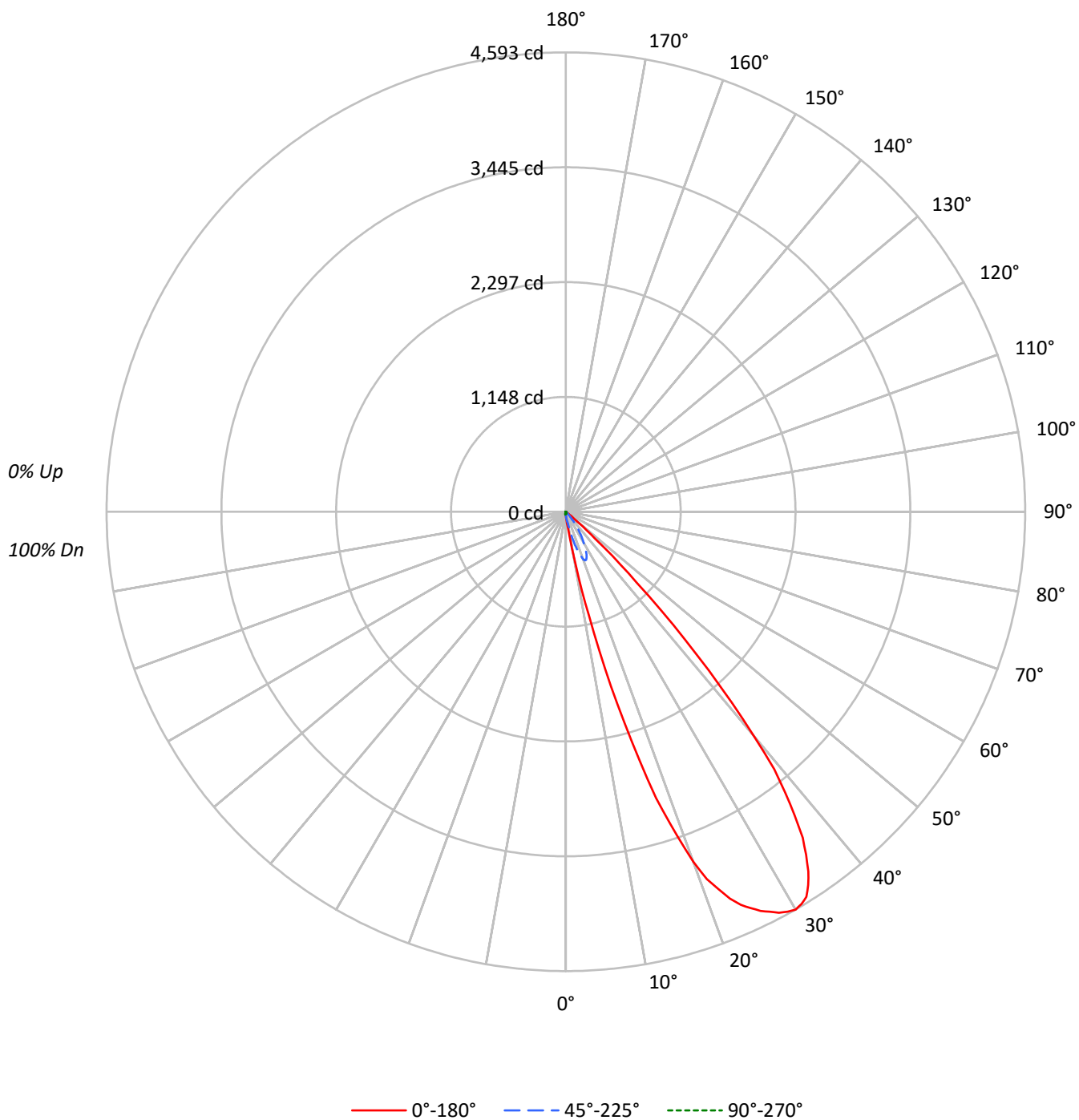
Lumens per Lamp: N/A
Luminaire Lumens: 919.0 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	51	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°	8640	8640	8640	8640	8640
5°	21704	16047	8122	4160	3214
10°	94877	27299	6680	1915	1336
15°	451194	73576	4677	772	590
20°	868566	117844	3010	210	210
25°	1057827	118870	1669	0	0
30°	1163040	90976	658	0	0
35°	1120801	57848	241	0	0
40°	837455	25047	0	0	258
45°	310048	6636	279	279	806
50°	36570	887	580	580	1160
55°	3594	0	650	994	1644
60°	395	0	1140	1491	1886
65°	467	467	1764	2231	2646
70°	577	577	2180	2180	3270
75°	763	763	2203	2203	2881
80°	0	1137	3283	2147	3283
85°	0	2264	6542	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 310048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.6
10°-20°	107.1	11.7
20°-30°	336.3	36.6
30°-40°	354.0	38.5
40°-50°	104.0	11.3
50°-60°	5.6	0.6
60°-70°	2.7	0.3
70°-80°	2.3	0.3
80°-90°	1.2	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°	449.2	48.9
0°-40°	803.2	87.4
0°-60°	912.8	99.3
0°-90°	919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	919.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	99	73	37	19	15	18
15°	1988	324	21	3	3	627
25°	4372	491	7	0	0	2005
35°	4187	216	1	0	0	2526
45°	1000	21	1	1	3	909
55°	9	0	2	3	4	24
65°	1	1	3	4	5	1
75°	1	1	3	3	3	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°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
2.5°	60.9	61.7	59.2	60.9	59.2	58.3	57.4	53.2	46.3	39.4	32.6
5°	98.6	98.6	94.3	93.5	91.7	88.3	84.9	72.9	52.3	36.9	25.7
7.5°	154.3	153.5	151.8	147.5	138.9	130.3	121.8	95.2	57.4	34.3	19.7
10°	426.1	420.1	412.4	366.1	313.8	267.5	227.2	122.6	61.7	30.0	14.6
12.5°	1058.9	1024.6	943.2	850.6	732.3	607.9	486.2	199.8	63.5	24.9	10.3
15°	1987.5	1916.4	1789.5	1604.3	1362.5	1090.7	859.2	324.1	61.7	20.6	7.7
17.5°	3001.0	2932.4	2756.7	2475.4	2119.6	1702.0	1292.2	429.6	57.4	17.1	5.1
20°	3722.1	3649.3	3484.6	3186.2	2801.3	2244.8	1701.2	505.0	54.0	12.9	2.6
21°	3933.1	3860.2	3686.1	3398.0	2993.3	2435.1	1832.3	517.9	51.4	11.1	1.7
22°	4066.8	4024.0	3837.0	3557.5	3145.1	2587.7	1944.7	523.9	49.7	10.3	1.7
23°	4201.4	4137.1	3962.2	3667.3	3260.8	2700.9	2027.8	519.6	48.0	8.6	0.9
24°	4300.9	4246.9	4043.7	3752.2	3341.4	2770.4	2076.7	508.5	45.4	7.7	0.9
25°	4372.1	4322.3	4110.6	3809.6	3395.5	2808.1	2092.2	491.3	42.9	6.9	0.9
26°	4439.8	4385.8	4166.3	3843.0	3423.8	2820.1	2077.6	472.4	40.3	6.0	0.0
27°	4488.7	4433.8	4204.9	3862.8	3425.5	2805.5	2038.1	446.7	37.7	5.1	0.0
28°	4541.0	4477.5	4231.5	3873.9	3415.2	2771.2	1981.5	419.3	36.0	4.3	0.0
29°	4572.7	4512.7	4258.9	3885.9	3393.7	2713.8	1899.2	386.7	31.7	2.6	0.0
30°	4593.3	4522.1	4256.3	3873.1	3365.4	2652.1	1800.6	359.3	27.4	2.6	0.0
31°	4576.2	4501.6	4228.9	3837.0	3320.0	2571.5	1699.4	325.0	22.3	1.7	0.0
32°	4539.3	4451.0	4180.9	3774.4	3238.5	2467.7	1594.8	296.7	16.3	1.7	0.0
33°	4449.2	4374.7	4094.3	3690.4	3132.2	2327.1	1458.5	269.2	11.1	0.9	0.0
34°	4336.1	4261.5	3975.9	3578.1	2989.9	2145.3	1293.0	240.9	9.4	0.9	0.0
35°	4186.9	4113.1	3842.2	3421.2	2801.3	1926.7	1122.4	216.1	7.7	0.9	0.0
36°	4030.0	3932.2	3673.3	3254.0	2548.3	1678.0	939.8	187.8	6.0	0.9	0.0
37°	3799.3	3733.3	3446.0	2999.3	2274.8	1439.6	806.8	162.1	4.3	0.9	0.0
38°	3560.1	3499.2	3218.8	2742.9	1969.5	1203.8	675.7	137.2	3.4	0.0	0.0
39°	3313.1	3212.0	2935.0	2414.5	1649.7	1008.3	568.5	114.9	1.7	0.0	0.0
40°	2925.6	2848.4	2552.6	2020.1	1365.0	817.1	484.5	87.5	1.7	0.0	0.0
42.5°	1939.5	1867.5	1557.1	1095.8	725.4	477.6	319.8	34.3	0.0	0.9	0.0
45°	999.8	954.3	775.1	573.6	411.6	293.2	205.8	21.4	0.0	0.9	0.9
47.5°	397.0	389.3	351.5	303.5	234.1	174.1	112.3	9.4	0.0	0.9	0.9
50°	107.2	108.0	101.2	93.5	84.9	79.7	47.2	2.6	0.0	1.7	0.9
52.5°	45.4	46.3	44.6	42.0	37.7	28.3	18.9	0.9	0.9	1.7	1.7
55°	9.4	10.3	11.1	12.0	13.7	12.0	7.7	0.0	0.9	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	2.6	2.6	1.7	0.0	0.9	1.7	2.6
60°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.7	2.6	2.6
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	3.4	3.4
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	3.4	3.4
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	3.4	3.4
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	3.4	2.6
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	2.6	2.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	2.6	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	2.6	1.7



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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	0.9	0.9	1.7	2.6	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	1.7
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°	39.4	39.4	39.4
2.5°	27.4	24.9	24.0
5°	18.9	16.3	14.6
7.5°	12.9	10.3	9.4
10°	8.6	6.9	6.0
12.5°	6.0	3.4	3.4
15°	3.4	2.6	2.6
17.5°	1.7	0.9	0.9
20°	0.9	0.9	0.9
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	0.9
39°	0.0	0.9	0.9
40°	0.0	0.9	0.9
42.5°	0.0	0.9	1.7
45°	0.9	1.7	2.6
47.5°	1.7	2.6	3.4
50°	1.7	3.4	3.4
52.5°	2.6	3.4	4.3
55°	2.6	4.3	4.3
57.5°	3.4	4.3	5.1
60°	3.4	4.3	4.3
62.5°	3.4	5.1	5.1
65°	4.3	5.1	5.1
67.5°	4.3	5.1	5.1
70°	3.4	4.3	5.1
72.5°	3.4	4.3	4.3
75°	2.6	3.4	3.4
77.5°	2.6	2.6	3.4
80°	1.7	2.6	2.6



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CATALOG NUMBER: P3A13R259024DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.7	1.7	1.7
85°	0.9	0.9	0.9
87.5°	0.9	0.9	0.9
90°	0.0	0.0	0.0

(END OF REPORT)