

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: P1345075

Luminaire Tested: P3A13R309830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

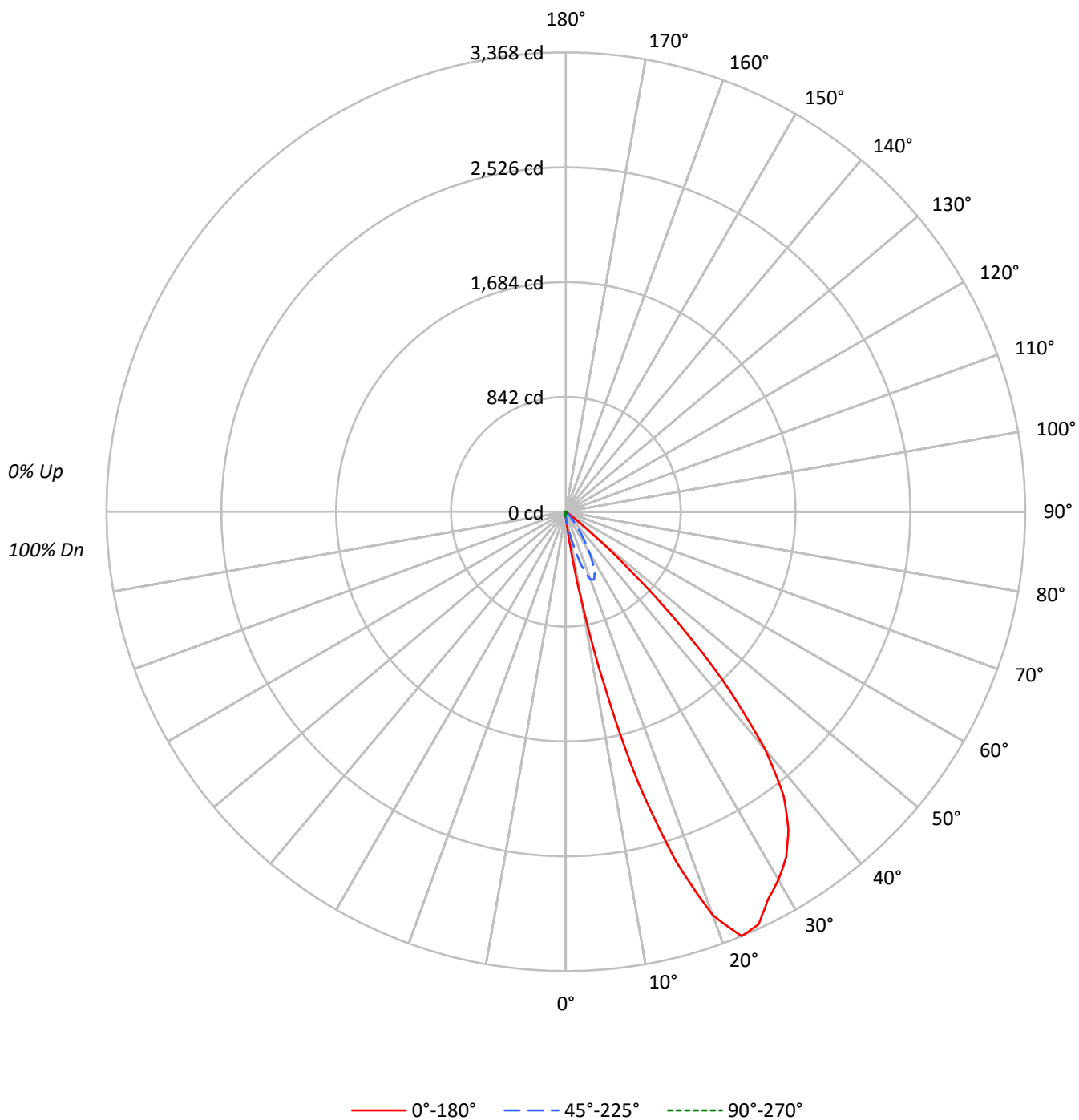
Lumens per Lamp: N/A
Luminaire Lumens: 794.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8267	8267	8267	8267	8267
5°	24917	16619	7836	3522	2884
10°	144264	35225	6146	1625	1136
15°	469242	79887	4291	341	159
20°	734271	123584	2707	0	0
25°	807845	120781	1403	0	0
30°	789033	87077	557	0	0
35°	761531	49523	187	0	0
40°	649417	20982	0	0	0
45°	381156	7877	217	0	217
50°	92551	1501	239	239	751
55°	8028	0	573	841	1109
60°	307	0	658	965	1579
65°	363	363	1141	1141	1868
70°	449	449	1410	1410	1859
75°	0	593	1864	1864	1864
80°	0	884	2778	1894	1894
85°	0	1761	5535	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 381156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.9
10°-20°	109.1	13.7
20°-30°	277.3	34.9
30°-40°	276.4	34.8
40°-50°	112.0	14.1
50°-60°	7.7	1.0
60°-70°	1.8	0.2
70°-80°	1.8	0.2
80°-90°	1.0	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°	393.4	49.5
0°-40°	669.8	84.4
0°-60°	789.5	99.4
0°-90°	794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	113	76	36	16	13	26
15°	2067	352	19	2	1	602
25°	3339	499	6	0	0	1508
35°	2845	185	1	0	0	1744
45°	1229	25	1	0	1	938
55°	21	0	2	2	3	55
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	62.4	63.1	63.1	61.7	60.9	60.9	58.8	58.0	55.9	53.7	46.4
5°	113.2	111.0	108.1	108.1	101.6	97.9	92.9	87.1	82.7	75.5	53.7
7.5°	256.8	239.4	234.3	227.8	203.1	183.6	161.1	141.5	123.3	108.1	59.5
10°	647.9	613.8	585.5	528.2	456.4	387.4	323.6	249.6	198.8	158.2	63.8
12.5°	1305.2	1259.5	1205.1	1100.6	966.4	794.5	642.1	479.6	336.6	232.9	65.3
15°	2067.0	1989.4	1904.5	1771.8	1551.9	1305.2	1030.3	771.2	540.5	351.9	63.8
17.5°	2688.1	2657.6	2532.1	2350.7	2081.6	1763.8	1424.9	1070.9	729.2	460.7	59.5
20°	3146.6	3125.6	2974.0	2781.0	2477.7	2113.5	1683.2	1258.1	860.5	529.6	53.0
22.5°	3367.9	3364.3	3254.7	3057.4	2736.0	2323.2	1849.4	1366.2	901.1	539.1	44.3
25°	3338.9	3352.0	3289.6	3143.0	2834.7	2409.5	1898.7	1366.2	871.4	499.2	37.0
27.5°	3206.9	3215.6	3176.4	3063.9	2776.6	2347.1	1829.8	1278.4	785.0	428.8	30.5
30°	3116.2	3119.8	3071.2	2950.7	2646.0	2204.9	1667.3	1115.9	654.4	343.9	22.5
32.5°	3005.9	3005.2	2948.6	2810.7	2474.8	2005.4	1461.2	922.2	502.8	261.2	13.1
35°	2844.8	2826.7	2749.8	2590.9	2219.4	1736.9	1197.9	702.3	362.0	185.0	8.0
37.5°	2623.5	2576.4	2467.5	2255.0	1861.0	1361.8	888.1	493.4	247.4	122.6	5.1
40°	2268.7	2218.7	2070.7	1812.4	1407.5	980.2	598.6	321.4	156.0	73.3	2.9
42.5°	1779.0	1744.9	1545.4	1287.8	929.4	625.4	359.9	190.1	87.8	42.1	0.7
45°	1229.1	1184.8	1028.1	809.7	557.9	346.8	201.7	99.4	50.1	25.4	0.0
47.5°	678.4	624.0	533.3	419.4	280.8	182.1	101.6	53.7	28.3	12.3	0.0
50°	271.3	269.2	214.0	152.4	107.4	82.7	50.8	29.0	14.5	4.4	0.7
52.5°	95.0	95.0	82.0	66.7	52.2	37.7	25.4	13.8	5.1	1.5	0.7
55°	21.0	23.2	21.8	20.3	19.6	16.7	10.9	5.1	1.5	0.0	0.7
57.5°	2.2	2.2	2.2	2.9	3.6	3.6	2.9	1.5	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.5
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.2
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
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):

	90°	112.5°	135°	157.5°	180°
0°	37.7	37.7	37.7	37.7	37.7
2.5°	37.7	29.7	24.7	21.8	21.0
5°	35.6	22.5	16.0	13.8	13.1
7.5°	31.9	16.7	10.9	8.7	8.0
10°	27.6	12.3	7.3	5.1	5.1
12.5°	23.2	9.4	4.4	2.2	1.5
15°	18.9	5.8	1.5	0.7	0.7
17.5°	14.5	3.6	0.0	0.0	0.0
20°	11.6	1.5	0.0	0.0	0.0
22.5°	8.7	0.7	0.0	0.0	0.0
25°	5.8	0.0	0.0	0.0	0.0
27.5°	3.6	0.0	0.0	0.0	0.0
30°	2.2	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.5	1.5
50°	0.7	0.7	0.7	1.5	2.2
52.5°	1.5	0.7	1.5	2.2	2.2
55°	1.5	1.5	2.2	2.9	2.9
57.5°	1.5	1.5	2.2	2.9	2.9
60°	1.5	1.5	2.2	2.9	3.6
62.5°	2.2	2.2	2.2	2.9	2.9
65°	2.2	2.2	2.2	2.9	3.6
67.5°	2.2	2.2	2.2	2.9	3.6
70°	2.2	2.2	2.2	2.9	2.9
72.5°	2.9	2.2	2.2	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	1.5	2.2	2.2
80°	2.2	1.5	1.5	1.5	1.5
82.5°	2.2	1.5	1.5	1.5	1.5
85°	2.2	1.5	0.7	0.7	0.7
87.5°	2.2	1.5	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)