

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: P1341037

Luminaire Tested: P3A09R259835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341037
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: P3A09R259835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

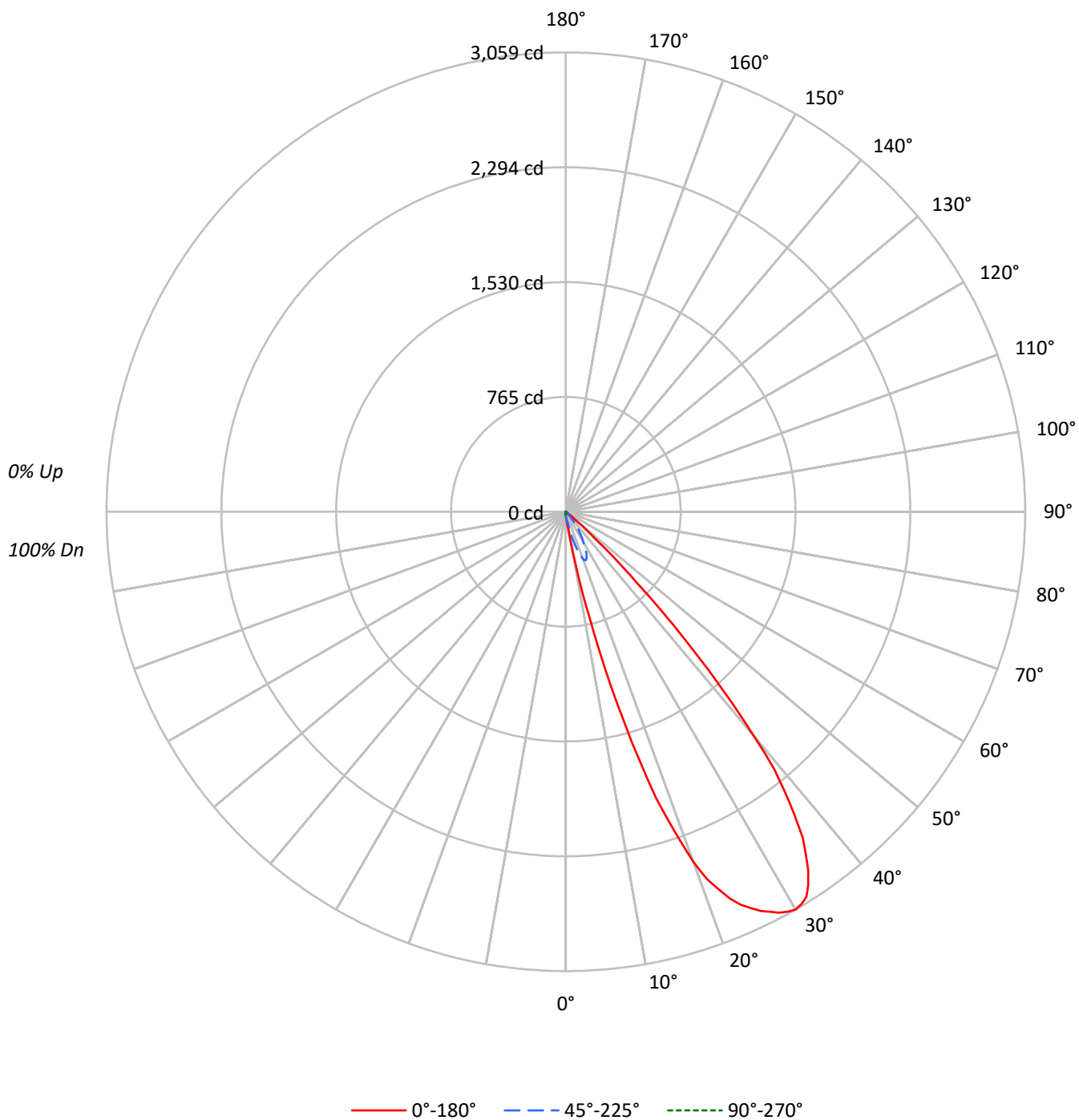
Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	104	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°	5767	5767	5767	5767	5767
5°	14462	10676	5415	2773	2135
10°	63192	18192	4453	1269	891
15°	300478	48990	3110	522	386
20°	578414	78477	2007	140	140
25°	704436	79166	1113	0	0
30°	774524	60592	430	0	0
35°	746380	38521	161	0	0
40°	557702	16660	0	0	172
45°	206471	4435	186	186	527
50°	24357	580	375	375	785
55°	2409	0	421	650	1109
60°	263	0	746	1009	1272
65°	311	311	1193	1505	1764
70°	385	385	1475	1475	2180
75°	508	508	1440	1440	1949
80°	0	758	2147	1389	2147
85°	0	1510	4277	1510	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 206471 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.6
10°-20°	71.4	11.7
20°-30°	224.0	36.6
30°-40°	235.8	38.5
40°-50°	69.3	11.3
50°-60°	3.7	0.6
60°-70°	1.8	0.3
70°-80°	1.6	0.3
80°-90°	0.8	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°	299.1	48.9
0°-40°	534.9	87.4
0°-60°	607.8	99.3
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	66	48	25	13	10	12
15°	1324	216	14	2	2	417
25°	2912	327	5	0	0	1335
35°	2788	144	1	0	0	1682
45°	666	14	1	1	2	605
55°	6	0	1	2	3	16
65°	1	1	2	3	3	1
75°	1	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°	45°	67.5°	90°	112.5°
0°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
2.5°	40.5	41.1	39.4	40.5	39.4	38.8	38.3	35.4	30.8	26.3	21.7
5°	65.7	65.7	62.8	62.2	61.1	58.8	56.5	48.5	34.8	24.6	17.1
7.5°	102.8	102.2	101.1	98.2	92.5	86.8	81.1	63.4	38.3	22.8	13.1
10°	283.8	279.8	274.7	243.8	209.0	178.2	151.3	81.7	41.1	20.0	9.7
12.5°	705.2	682.3	628.1	566.4	487.6	404.8	323.8	133.0	42.3	16.6	6.9
15°	1323.6	1276.2	1191.7	1068.3	907.3	726.3	572.1	215.8	41.1	13.7	5.1
17.5°	1998.5	1952.8	1835.8	1648.5	1411.5	1133.4	860.5	286.1	38.3	11.4	3.4
20°	2478.7	2430.2	2320.6	2121.8	1865.5	1494.9	1132.9	336.3	36.0	8.6	1.7
21°	2619.2	2570.7	2454.7	2262.9	1993.4	1621.7	1220.2	344.9	34.3	7.4	1.1
22°	2708.3	2679.7	2555.2	2369.1	2094.4	1723.3	1295.0	348.9	33.1	6.9	1.1
23°	2797.9	2755.1	2638.6	2442.2	2171.5	1798.7	1350.4	346.0	32.0	5.7	0.6
24°	2864.2	2828.2	2692.9	2498.7	2225.2	1844.9	1383.0	338.6	30.3	5.1	0.6
25°	2911.5	2878.4	2737.4	2537.0	2261.2	1870.0	1393.2	327.2	28.6	4.6	0.6
26°	2956.7	2920.7	2774.5	2559.2	2280.0	1878.0	1383.5	314.6	26.8	4.0	0.0
27°	2989.2	2952.7	2800.2	2572.4	2281.2	1868.3	1357.3	297.5	25.1	3.4	0.0
28°	3024.0	2981.8	2817.9	2579.8	2274.3	1845.5	1319.6	279.2	24.0	2.9	0.0
29°	3045.2	3005.2	2836.2	2587.8	2260.0	1807.2	1264.8	257.5	21.1	1.7	0.0
30°	3058.9	3011.5	2834.5	2579.2	2241.2	1766.1	1199.1	239.3	18.3	1.7	0.0
31°	3047.4	2997.8	2816.2	2555.2	2210.9	1712.4	1131.7	216.4	14.8	1.1	0.0
32°	3022.9	2964.1	2784.2	2513.6	2156.7	1643.3	1062.1	197.6	10.8	1.1	0.0
33°	2962.9	2913.3	2726.5	2457.6	2085.9	1549.7	971.3	179.3	7.4	0.6	0.0
34°	2887.6	2837.9	2647.7	2382.8	1991.1	1428.7	861.1	160.5	6.3	0.6	0.0
35°	2788.2	2739.1	2558.7	2278.3	1865.5	1283.0	747.4	143.9	5.1	0.6	0.0
36°	2683.7	2618.6	2446.2	2167.0	1697.0	1117.5	625.8	125.0	4.0	0.6	0.0
37°	2530.1	2486.2	2294.9	1997.4	1514.9	958.7	537.3	107.9	2.9	0.6	0.0
38°	2370.8	2330.3	2143.5	1826.6	1311.6	801.7	450.0	91.4	2.3	0.0	0.0
39°	2206.4	2139.0	1954.5	1607.9	1098.6	671.5	378.6	76.5	1.1	0.0	0.0
40°	1948.3	1896.9	1699.9	1345.3	909.0	544.2	322.6	58.2	1.1	0.0	0.0
42.5°	1291.6	1243.6	1036.9	729.7	483.1	318.0	213.0	22.8	0.0	0.6	0.0
45°	665.8	635.5	516.2	382.0	274.1	195.3	137.0	14.3	0.0	0.6	0.6
47.5°	264.4	259.2	234.1	202.1	155.9	115.9	74.8	6.3	0.0	0.6	0.6
50°	71.4	71.9	67.4	62.2	56.5	53.1	31.4	1.7	0.0	1.1	0.6
52.5°	30.3	30.8	29.7	28.0	25.1	18.8	12.6	0.6	0.6	1.1	1.1
55°	6.3	6.9	7.4	8.0	9.1	8.0	5.1	0.0	0.6	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.1	0.0	0.6	1.1	1.7
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.1	1.7	1.7
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.7	2.3
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	2.3	2.3
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	2.3
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	2.3
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	2.3	1.7
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.1	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.1	1.7	1.1



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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	0.6	0.6	1.1	1.7	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	1.1
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°	26.3	26.3	26.3
2.5°	18.3	16.6	16.0
5°	12.6	10.8	9.7
7.5°	8.6	6.9	6.3
10°	5.7	4.6	4.0
12.5°	4.0	2.3	2.3
15°	2.3	1.7	1.7
17.5°	1.1	0.6	0.6
20°	0.6	0.6	0.6
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	0.6
39°	0.0	0.6	0.6
40°	0.0	0.6	0.6
42.5°	0.0	0.6	1.1
45°	0.6	1.1	1.7
47.5°	1.1	1.7	2.3
50°	1.1	2.3	2.3
52.5°	1.7	2.3	2.9
55°	1.7	2.9	2.9
57.5°	2.3	2.9	3.4
60°	2.3	2.9	2.9
62.5°	2.3	3.4	3.4
65°	2.9	3.4	3.4
67.5°	2.9	3.4	3.4
70°	2.3	2.9	3.4
72.5°	2.3	2.9	2.9
75°	1.7	2.3	2.3
77.5°	1.7	1.7	2.3
80°	1.1	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.1	1.1	1.1
85°	0.6	0.6	0.6
87.5°	0.6	0.6	0.6
90°	0.0	0.0	0.0

(END OF REPORT)