

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: P1341005

Luminaire Tested: P3A09R259827DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341005
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: P3A09R259827DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

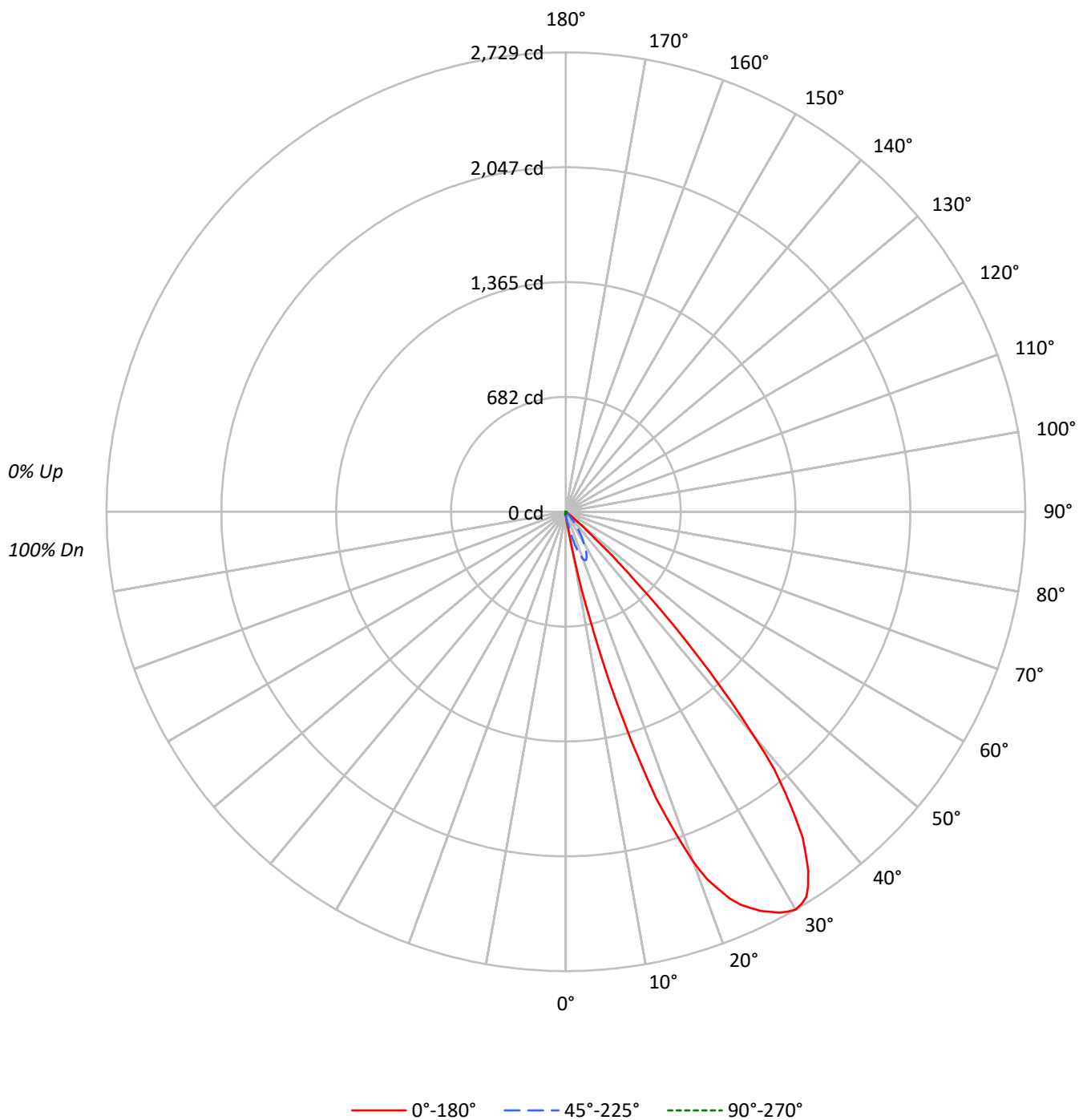
Lumens per Lamp: N/A
Luminaire Lumens: 545.9 lumens
Efficiency: N/A
Efficacy: 49.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	5131	5131	5131	5131	5131
5°	12899	9531	4821	2465	1915
10°	56378	16210	3963	1136	802
15°	268061	43723	2770	454	341
20°	516038	70029	1773	117	117
25°	628488	70625	992	0	0
30°	690992	54034	380	0	0
35°	665885	34372	134	0	0
40°	497561	14885	0	0	143
45°	184205	3938	155	155	465
50°	21731	512	341	341	682
55°	2141	0	382	573	956
60°	219	0	658	877	1096
65°	259	259	1038	1297	1608
70°	321	321	1282	1282	1988
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: 184205 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.6
10°-20°	63.7	11.7
20°-30°	199.8	36.6
30°-40°	210.3	38.5
40°-50°	61.8	11.3
50°-60°	3.3	0.6
60°-70°	1.6	0.3
70°-80°	1.4	0.2
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°	266.9	48.9
0°-40°	477.2	87.4
0°-60°	542.3	99.3
0°-90°	545.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	59	43	22	11	9	10
15°	1181	193	12	2	2	372
25°	2598	292	4	0	0	1191
35°	2488	128	0	0	0	1501
45°	594	13	0	0	2	540
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°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
2.5°	36.2	36.7	35.2	36.2	35.2	34.6	34.1	31.6	27.5	23.4	19.4
5°	58.6	58.6	56.0	55.5	54.5	52.5	50.4	43.3	31.1	21.9	15.3
7.5°	91.7	91.2	90.2	87.6	82.5	77.4	72.3	56.5	34.1	20.4	11.7
10°	253.2	249.6	245.0	217.5	186.4	158.9	135.0	72.8	36.7	17.8	8.7
12.5°	629.1	608.8	560.4	505.3	435.0	361.2	288.8	118.7	37.7	14.8	6.1
15°	1180.8	1138.6	1063.2	953.1	809.5	648.0	510.4	192.6	36.7	12.2	4.6
17.5°	1783.0	1742.2	1637.8	1470.7	1259.3	1011.2	767.7	255.2	34.1	10.2	3.1
20°	2211.4	2168.1	2070.3	1893.0	1664.3	1333.7	1010.7	300.1	32.1	7.6	1.5
21°	2336.7	2293.4	2190.0	2018.9	1778.4	1446.8	1088.6	307.7	30.6	6.6	1.0
22°	2416.2	2390.7	2279.7	2113.6	1868.6	1537.4	1155.4	311.3	29.5	6.1	1.0
23°	2496.2	2458.0	2354.1	2178.8	1937.3	1604.7	1204.8	308.7	28.5	5.1	0.5
24°	2555.3	2523.2	2402.4	2229.2	1985.2	1646.0	1233.8	302.1	27.0	4.6	0.5
25°	2597.6	2568.0	2442.2	2263.4	2017.3	1668.4	1243.0	291.9	25.5	4.1	0.5
26°	2637.8	2605.7	2475.3	2283.2	2034.1	1675.5	1234.3	280.7	23.9	3.6	0.0
27°	2666.8	2634.2	2498.2	2295.0	2035.2	1666.8	1210.9	265.4	22.4	3.1	0.0
28°	2697.9	2660.2	2514.0	2301.6	2029.0	1646.5	1177.3	249.1	21.4	2.5	0.0
29°	2716.8	2681.1	2530.3	2308.7	2016.3	1612.3	1128.4	229.8	18.8	1.5	0.0
30°	2729.0	2686.7	2528.8	2301.1	1999.5	1575.7	1069.8	213.4	16.3	1.5	0.0
31°	2718.8	2674.5	2512.5	2279.7	1972.5	1527.8	1009.7	193.1	13.2	1.0	0.0
32°	2696.9	2644.4	2484.0	2242.5	1924.1	1466.1	947.5	176.3	9.7	1.0	0.0
33°	2643.4	2599.1	2432.5	2192.6	1860.9	1382.6	866.5	160.0	6.6	0.5	0.0
34°	2576.2	2531.8	2362.2	2125.8	1776.4	1274.6	768.2	143.1	5.6	0.5	0.0
35°	2487.5	2443.7	2282.7	2032.6	1664.3	1144.7	666.8	128.4	4.6	0.5	0.0
36°	2394.3	2336.2	2182.4	1933.3	1514.0	996.9	558.3	111.6	3.6	0.5	0.0
37°	2257.3	2218.0	2047.4	1782.0	1351.5	855.3	479.4	96.3	2.5	0.5	0.0
38°	2115.1	2079.0	1912.4	1629.7	1170.1	715.2	401.4	81.5	2.0	0.0	0.0
39°	1968.4	1908.3	1743.8	1434.5	980.1	599.1	337.7	68.3	1.0	0.0	0.0
40°	1738.2	1692.3	1516.6	1200.2	811.0	485.5	287.8	52.0	1.0	0.0	0.0
42.5°	1152.3	1109.5	925.1	651.0	431.0	283.7	190.0	20.4	0.0	0.5	0.0
45°	594.0	567.0	460.5	340.8	244.5	174.2	122.3	12.7	0.0	0.5	0.5
47.5°	235.9	231.3	208.9	180.3	139.1	103.4	66.7	5.6	0.0	0.5	0.5
50°	63.7	64.2	60.1	55.5	50.4	47.4	28.0	1.5	0.0	1.0	0.5
52.5°	27.0	27.5	26.5	25.0	22.4	16.8	11.2	0.5	0.5	1.0	1.0
55°	5.6	6.1	6.6	7.1	8.2	7.1	4.6	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°	23.4	23.4	23.4
2.5°	16.3	14.8	14.3
5°	11.2	9.7	8.7
7.5°	7.6	6.1	5.6
10°	5.1	4.1	3.6
12.5°	3.6	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	3.1
60°	2.0	2.5	2.5
62.5°	2.0	3.1	3.1
65°	2.5	3.1	3.1
67.5°	2.5	3.1	3.1
70°	2.0	2.5	3.1
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)