

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: P1334745

Luminaire Tested: P3A02R259730DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334745
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: P3A02R259730DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

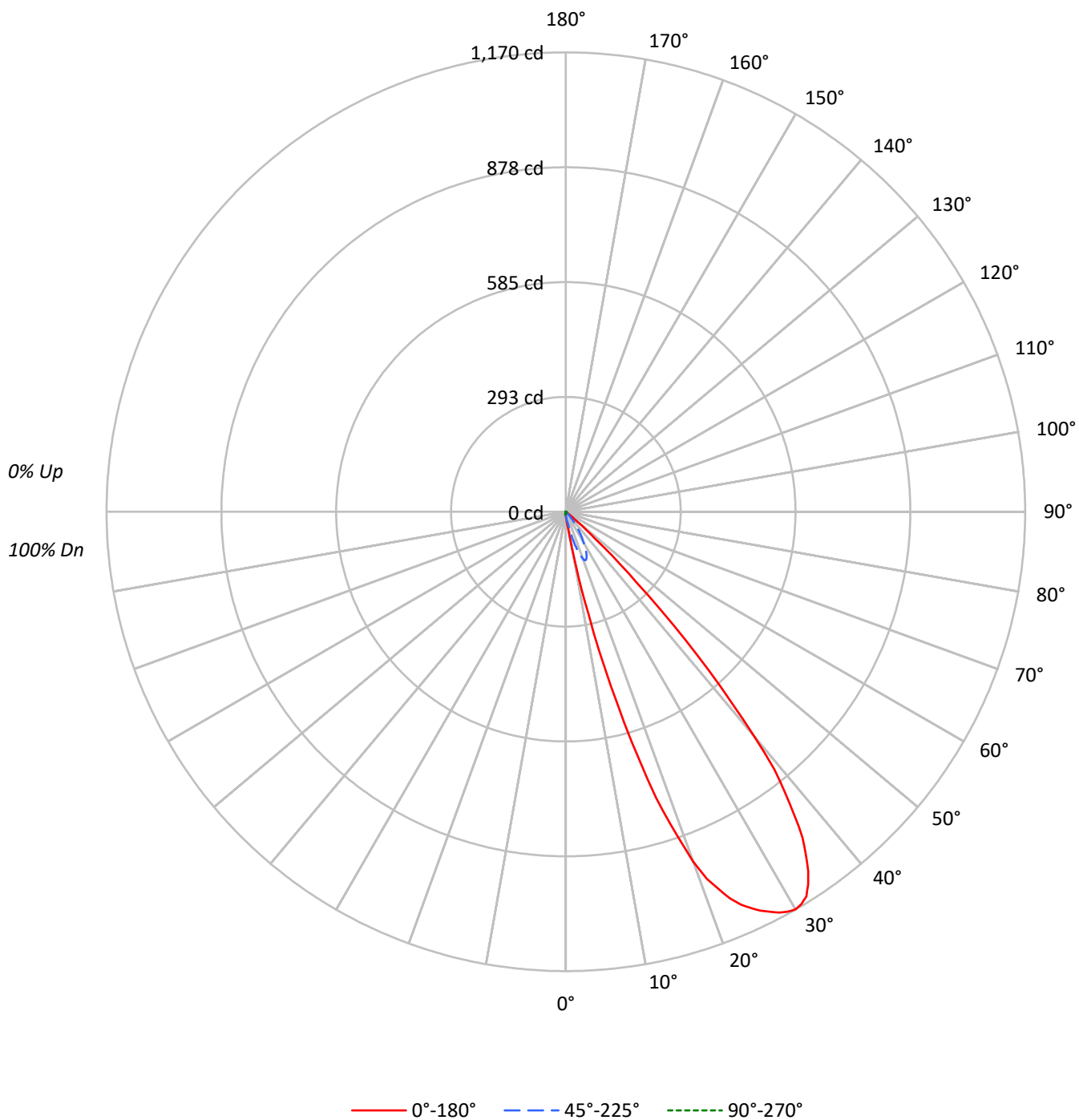
Lumens per Lamp: N/A
Luminaire Lumens: 234.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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°	2193	2193	2193	2193	2193
5°	5525	4094	2069	1057	814
10°	24159	6947	1692	490	334
15°	114893	18729	1180	204	159
20°	221149	30009	770	47	47
25°	269338	30268	411	0	0
30°	296147	23168	177	0	0
35°	285387	14723	54	0	0
40°	213228	6383	0	0	57
45°	78954	1706	62	62	217
50°	9313	239	136	136	307
55°	918	0	153	268	421
60°	88	0	307	395	482
65°	104	104	467	571	675
70°	128	128	577	577	833
75°	169	169	593	593	763
80°	0	253	884	505	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 78954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	27.3	11.7
20°-30°	85.6	36.6
30°-40°	90.1	38.5
40°-50°	26.5	11.3
50°-60°	1.4	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.3
80°-90°	0.3	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°	114.4	48.9
0°-40°	204.5	87.4
0°-60°	232.4	99.3
0°-90°	234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	234.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	25	19	9	5	4	4
15°	506	82	5	1	1	160
25°	1113	125	2	0	0	511
35°	1066	55	0	0	0	643
45°	255	6	0	0	1	231
55°	2	0	0	1	1	6
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2.5°	15.5	15.7	15.1	15.5	15.1	14.8	14.6	13.5	11.8	10.0	8.3
5°	25.1	25.1	24.0	23.8	23.4	22.5	21.6	18.6	13.3	9.4	6.5
7.5°	39.3	39.1	38.6	37.6	35.4	33.2	31.0	24.2	14.6	8.7	5.0
10°	108.5	107.0	105.0	93.2	79.9	68.1	57.9	31.2	15.7	7.6	3.7
12.5°	269.6	260.9	240.2	216.6	186.4	154.8	123.8	50.9	16.2	6.3	2.6
15°	506.1	488.0	455.6	408.5	346.9	277.7	218.8	82.5	15.7	5.2	2.0
17.5°	764.1	746.7	701.9	630.3	539.7	433.4	329.0	109.4	14.6	4.4	1.3
20°	947.7	929.2	887.3	811.3	713.3	571.6	433.2	128.6	13.8	3.3	0.7
21°	1001.5	982.9	938.6	865.2	762.2	620.0	466.6	131.9	13.1	2.8	0.4
22°	1035.5	1024.6	977.0	905.8	800.8	658.9	495.2	133.4	12.7	2.6	0.4
23°	1069.8	1053.4	1008.9	933.8	830.3	687.7	516.3	132.3	12.2	2.2	0.2
24°	1095.1	1081.4	1029.6	955.4	850.8	705.4	528.8	129.5	11.6	2.0	0.2
25°	1113.2	1100.6	1046.6	970.0	864.6	715.0	532.7	125.1	10.9	1.7	0.2
26°	1130.5	1116.7	1060.8	978.5	871.8	718.1	529.0	120.3	10.3	1.5	0.0
27°	1142.9	1129.0	1070.7	983.6	872.2	714.4	519.0	113.7	9.6	1.3	0.0
28°	1156.2	1140.1	1077.4	986.4	869.6	705.6	504.5	106.8	9.2	1.1	0.0
29°	1164.3	1149.0	1084.4	989.4	864.1	691.0	483.6	98.5	8.1	0.7	0.0
30°	1169.6	1151.4	1083.8	986.2	856.9	675.3	458.5	91.5	7.0	0.7	0.0
31°	1165.2	1146.2	1076.8	977.0	845.4	654.8	432.7	82.7	5.7	0.4	0.0
32°	1155.8	1133.3	1064.6	961.1	824.6	628.3	406.1	75.5	4.1	0.4	0.0
33°	1132.9	1113.9	1042.5	939.7	797.5	592.5	371.4	68.6	2.8	0.2	0.0
34°	1104.1	1085.1	1012.4	911.1	761.3	546.2	329.2	61.3	2.4	0.2	0.0
35°	1066.1	1047.3	978.3	871.1	713.3	490.6	285.8	55.0	2.0	0.2	0.0
36°	1026.1	1001.2	935.3	828.5	648.9	427.3	239.3	47.8	1.5	0.2	0.0
37°	967.4	950.6	877.4	763.7	579.2	366.6	205.4	41.3	1.1	0.2	0.0
38°	906.5	891.0	819.6	698.4	501.5	306.5	172.0	34.9	0.9	0.0	0.0
39°	843.6	817.8	747.3	614.8	420.1	256.8	144.7	29.3	0.4	0.0	0.0
40°	744.9	725.3	650.0	514.4	347.6	208.1	123.4	22.3	0.4	0.0	0.0
42.5°	493.9	475.5	396.5	279.0	184.7	121.6	81.4	8.7	0.0	0.2	0.0
45°	254.6	243.0	197.4	146.1	104.8	74.7	52.4	5.5	0.0	0.2	0.2
47.5°	101.1	99.1	89.5	77.3	59.6	44.3	28.6	2.4	0.0	0.2	0.2
50°	27.3	27.5	25.8	23.8	21.6	20.3	12.0	0.7	0.0	0.4	0.2
52.5°	11.6	11.8	11.4	10.7	9.6	7.2	4.8	0.2	0.2	0.4	0.4
55°	2.4	2.6	2.8	3.1	3.5	3.1	2.0	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.4	0.0	0.2	0.4	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.7	0.4



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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	0.2	0.2	0.4	0.7	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.4
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°	10.0	10.0	10.0
2.5°	7.0	6.3	6.1
5°	4.8	4.1	3.7
7.5°	3.3	2.6	2.4
10°	2.2	1.7	1.5
12.5°	1.5	0.9	0.9
15°	0.9	0.7	0.7
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
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	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.7
47.5°	0.4	0.7	0.9
50°	0.4	0.9	0.9
52.5°	0.7	0.9	1.1
55°	0.7	1.1	1.1
57.5°	0.9	1.1	1.3
60°	0.9	1.1	1.1
62.5°	0.9	1.3	1.3
65°	1.1	1.3	1.3
67.5°	1.1	1.3	1.3
70°	0.9	1.1	1.3
72.5°	0.9	1.1	1.1
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.4	0.7	0.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)