

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: P1334793

Luminaire Tested: P3A02R259827DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334793
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: P3A02R259827DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

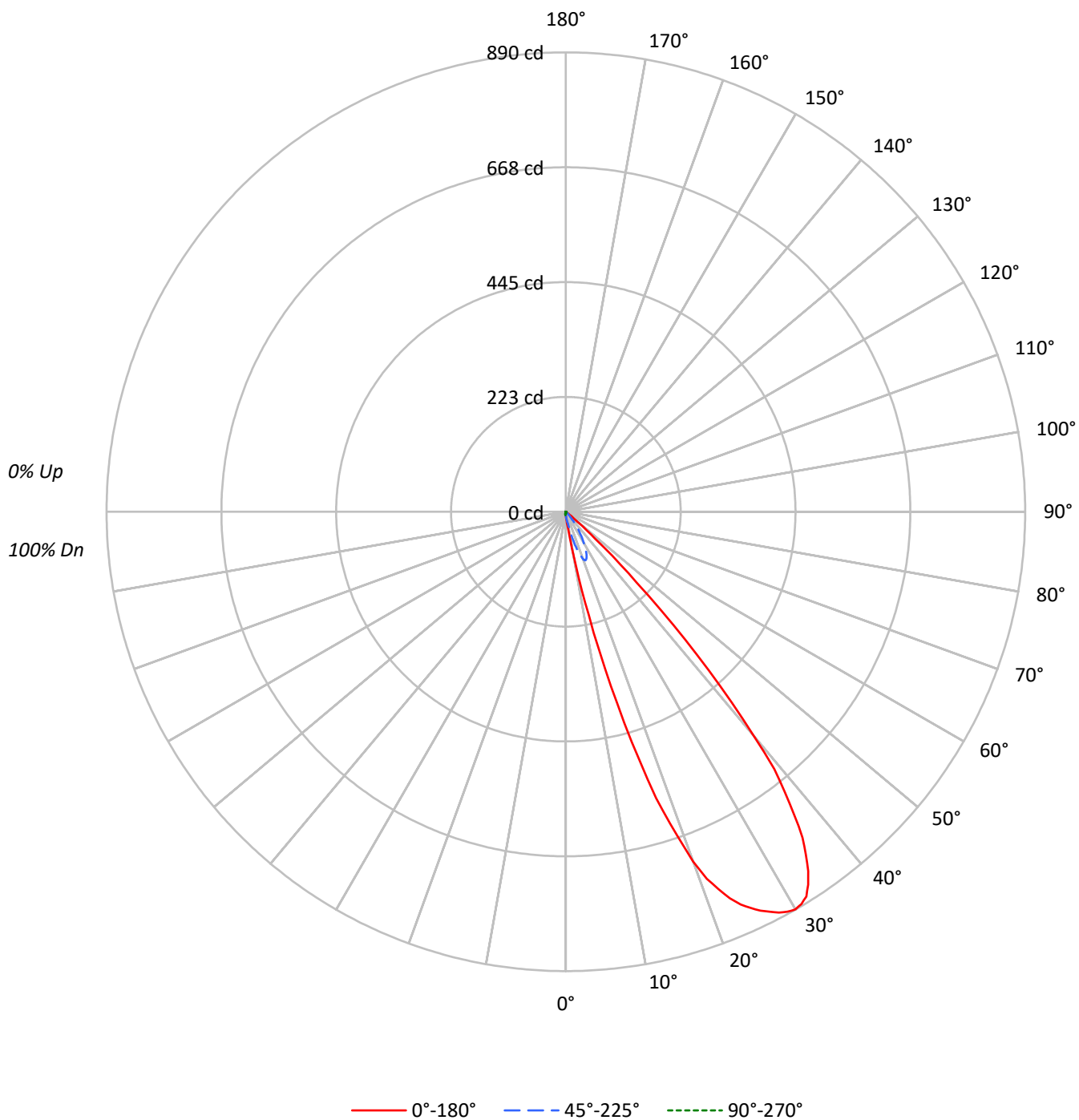
Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1667	1667	1667	1667	1667
5°	4204	3104	1563	814	616
10°	18370	5277	1291	379	267
15°	87401	14257	908	159	114
20°	168225	22822	583	47	47
25°	204883	23034	315	0	0
30°	225275	17623	127	0	0
35°	217098	11216	54	0	0
40°	162218	4838	0	0	57
45°	60037	1302	62	62	155
50°	7096	171	102	102	239
55°	688	0	115	191	306
60°	88	0	219	307	351
65°	104	104	363	415	519
70°	128	128	449	449	641
75°	169	169	424	424	593
80°	0	253	631	379	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60037 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.6
10°-20°	20.8	11.7
20°-30°	65.1	36.6
30°-40°	68.6	38.5
40°-50°	20.1	11.3
50°-60°	1.1	0.6
60°-70°	0.5	0.3
70°-80°	0.5	0.3
80°-90°	0.2	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°	87.0	48.9
0°-40°	155.6	87.4
0°-60°	176.8	99.3
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	19	14	7	4	3	3
15°	385	63	4	1	0	121
25°	847	95	1	0	0	388
35°	811	42	0	0	0	489
45°	194	4	0	0	0	176
55°	2	0	0	0	1	5
65°	0	0	1	1	1	0
75°	0	0	0	0	1	0
85°	0	0	0	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°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	11.8	12.0	11.5	11.8	11.5	11.3	11.1	10.3	9.0	7.6	6.3
5°	19.1	19.1	18.3	18.1	17.8	17.1	16.4	14.1	10.1	7.1	5.0
7.5°	29.9	29.7	29.4	28.6	26.9	25.2	23.6	18.4	11.1	6.6	3.8
10°	82.5	81.4	79.9	70.9	60.8	51.8	44.0	23.7	12.0	5.8	2.8
12.5°	205.1	198.5	182.7	164.7	141.8	117.7	94.2	38.7	12.3	4.8	2.0
15°	385.0	371.2	346.6	310.7	263.9	211.2	166.4	62.8	12.0	4.0	1.5
17.5°	581.3	568.0	533.9	479.5	410.5	329.7	250.3	83.2	11.1	3.3	1.0
20°	720.9	706.8	674.9	617.1	542.6	434.8	329.5	97.8	10.5	2.5	0.5
21°	761.8	747.7	714.0	658.2	579.8	471.7	354.9	100.3	10.0	2.2	0.3
22°	787.7	779.4	743.2	689.1	609.2	501.2	376.7	101.5	9.6	2.0	0.3
23°	813.8	801.3	767.4	710.3	631.6	523.1	392.8	100.6	9.3	1.7	0.2
24°	833.0	822.6	783.2	726.7	647.2	536.6	402.2	98.5	8.8	1.5	0.2
25°	846.8	837.2	796.2	737.9	657.7	543.9	405.2	95.2	8.3	1.3	0.2
26°	859.9	849.5	807.0	744.4	663.1	546.2	402.4	91.5	7.8	1.2	0.0
27°	869.4	858.8	814.4	748.2	663.5	543.4	394.8	86.5	7.3	1.0	0.0
28°	879.5	867.3	819.6	750.3	661.5	536.8	383.8	81.2	7.0	0.8	0.0
29°	885.7	874.1	824.9	752.7	657.3	525.6	367.9	74.9	6.1	0.5	0.0
30°	889.7	875.9	824.4	750.2	651.8	513.7	348.8	69.6	5.3	0.5	0.0
31°	886.3	871.9	819.1	743.2	643.0	498.1	329.2	62.9	4.3	0.3	0.0
32°	879.2	862.1	809.8	731.1	627.3	478.0	308.9	57.5	3.2	0.3	0.0
33°	861.8	847.3	793.0	714.8	606.7	450.7	282.5	52.1	2.2	0.2	0.0
34°	839.8	825.4	770.1	693.0	579.1	415.5	250.4	46.7	1.8	0.2	0.0
35°	811.0	796.7	744.2	662.6	542.6	373.2	217.4	41.9	1.5	0.2	0.0
36°	780.6	761.6	711.5	630.3	493.6	325.0	182.0	36.4	1.2	0.2	0.0
37°	735.9	723.1	667.5	580.9	440.6	278.8	156.3	31.4	0.8	0.2	0.0
38°	689.5	677.8	623.5	531.3	381.5	233.2	130.9	26.6	0.7	0.0	0.0
39°	641.7	622.1	568.5	467.7	319.5	195.3	110.1	22.3	0.3	0.0	0.0
40°	566.7	551.7	494.4	391.3	264.4	158.3	93.8	16.9	0.3	0.0	0.0
42.5°	375.7	361.7	301.6	212.2	140.5	92.5	61.9	6.6	0.0	0.2	0.0
45°	193.6	184.8	150.1	111.1	79.7	56.8	39.9	4.2	0.0	0.2	0.2
47.5°	76.9	75.4	68.1	58.8	45.3	33.7	21.8	1.8	0.0	0.2	0.2
50°	20.8	20.9	19.6	18.1	16.4	15.4	9.1	0.5	0.0	0.3	0.2
52.5°	8.8	9.0	8.6	8.1	7.3	5.5	3.7	0.2	0.2	0.3	0.3
55°	1.8	2.0	2.2	2.3	2.7	2.3	1.5	0.0	0.2	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.0	0.2	0.3	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.7	0.7
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.3



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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	0.3	0.5	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
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°	7.6	7.6	7.6
2.5°	5.3	4.8	4.7
5°	3.7	3.2	2.8
7.5°	2.5	2.0	1.8
10°	1.7	1.3	1.2
12.5°	1.2	0.7	0.7
15°	0.7	0.5	0.5
17.5°	0.3	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	0.3
45°	0.2	0.3	0.5
47.5°	0.3	0.5	0.7
50°	0.3	0.7	0.7
52.5°	0.5	0.7	0.8
55°	0.5	0.8	0.8
57.5°	0.7	0.8	1.0
60°	0.7	0.8	0.8
62.5°	0.7	1.0	1.0
65°	0.8	1.0	1.0
67.5°	0.8	1.0	1.0
70°	0.7	0.8	1.0
72.5°	0.7	0.8	0.8
75°	0.5	0.7	0.7
77.5°	0.5	0.5	0.7
80°	0.3	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.3	0.3	0.3
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)