

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: P1335365

Luminaire Tested: P3A02R359040DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359040DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

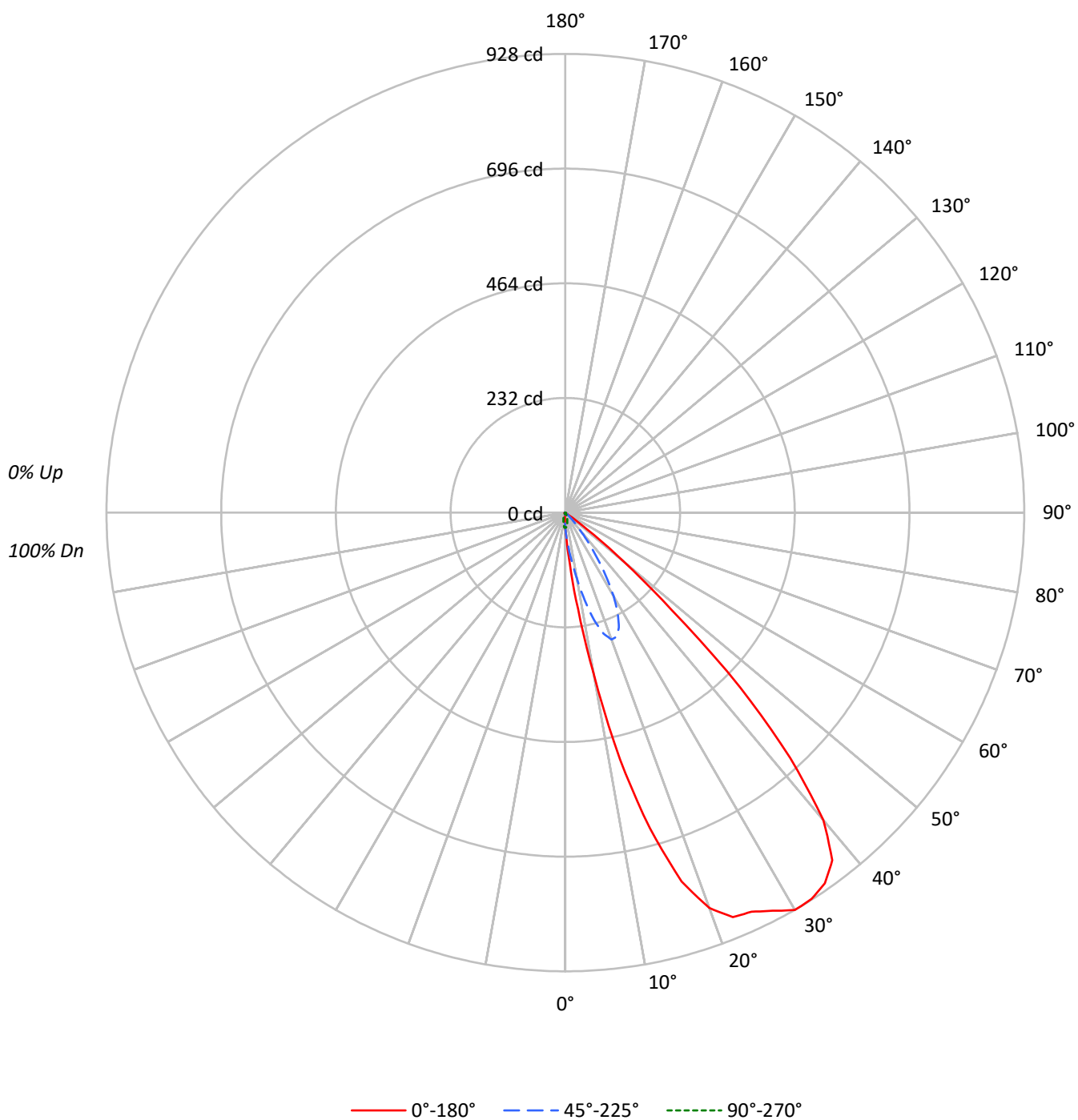
Lumens per Lamp: N/A
Luminaire Lumens: 292.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6732	6732	6732	6732	6732
5°	22914	14880	6295	2663	1959
10°	73724	30171	4965	1002	646
15°	150194	51169	3519	363	227
20°	198607	63729	2264	117	117
25°	215504	61963	1258	73	121
30°	235074	49375	532	76	127
35°	244965	30731	134	80	134
40°	232435	13425	86	143	229
45°	155179	5365	93	248	403
50°	52058	887	171	341	546
55°	2906	115	191	497	688
60°	219	132	351	570	789
65°	259	156	415	675	934
70°	192	192	513	833	1026
75°	254	254	678	847	1101
80°	0	379	1010	1010	1010
85°	0	755	2013	755	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 155179 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	1.8
10°-20°	41.9	14.4
20°-30°	88.5	30.3
30°-40°	100.4	34.4
40°-50°	49.4	16.9
50°-60°	4.3	1.5
60°-70°	0.9	0.3
70°-80°	0.8	0.3
80°-90°	0.4	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°	135.8	46.5
0°-40°	236.2	80.9
0°-60°	289.9	99.3
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	104	68	29	12	9	17
15°	662	225	16	2	1	188
25°	891	256	5	0	0	414
35°	915	115	0	0	0	564
45°	500	17	0	1	1	370
55°	8	0	0	1	2	30
65°	0	0	1	1	2	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°	35°	40°	45°	67.5°
0°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
2.5°	53.2	54.5	54.0	53.7	53.5	52.4	50.1	49.8	47.4	45.9	38.0
5°	104.1	102.0	102.5	99.6	95.9	90.7	87.3	79.9	73.9	67.6	44.3
7.5°	196.1	193.2	187.7	179.3	170.6	159.4	142.3	128.7	113.0	98.0	49.3
10°	331.1	329.5	322.4	300.9	282.0	251.9	223.6	193.7	164.3	135.5	52.7
12.5°	511.4	500.6	487.8	459.2	422.0	384.3	328.4	276.8	229.9	181.6	52.9
15°	661.6	654.8	636.7	599.5	554.6	500.1	433.8	364.3	293.6	225.4	50.3
17.5°	782.4	771.9	748.6	712.2	660.5	589.8	512.2	427.5	341.3	256.6	45.9
20°	851.1	845.6	827.8	791.3	735.0	657.7	569.3	470.8	371.2	273.1	40.1
22.5°	885.7	881.8	868.7	839.6	786.9	709.0	607.9	493.3	379.8	271.3	34.1
25°	890.7	889.6	878.4	856.3	812.3	735.2	624.6	497.5	372.7	256.1	28.3
27.5°	908.0	904.3	890.9	868.9	824.6	739.7	618.9	483.1	349.9	229.4	23.6
30°	928.4	925.8	912.4	889.6	837.2	735.5	598.4	451.1	313.5	195.0	17.6
32.5°	926.8	925.8	914.5	890.4	828.3	710.9	562.0	403.1	264.0	153.9	11.0
35°	915.1	911.4	897.2	860.0	777.4	647.4	492.8	338.1	208.9	114.8	7.1
37.5°	886.7	878.9	855.0	791.9	686.5	549.7	401.3	261.1	147.8	76.8	4.5
40°	812.0	802.1	754.1	677.8	567.5	433.0	298.6	179.6	97.5	46.9	1.8
42.5°	673.6	653.5	605.5	527.1	423.6	306.2	196.1	116.4	57.4	28.3	0.5
45°	500.4	484.9	434.6	363.6	277.6	196.3	118.7	62.9	31.7	17.3	0.3
47.5°	291.5	282.0	256.1	209.4	153.3	103.0	60.8	33.8	18.6	8.4	0.3
50°	152.6	140.8	121.1	91.7	67.6	47.4	29.6	18.1	9.2	2.6	0.3
52.5°	53.5	52.7	48.0	36.2	29.4	21.2	14.4	7.9	2.6	0.5	0.3
55°	7.6	7.6	7.1	7.9	8.4	7.6	5.0	2.1	0.5	0.3	0.3
57.5°	0.5	0.5	0.5	0.8	1.0	1.0	0.8	0.3	0.3	0.3	0.5
60°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
62.5°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
65°	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
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°	30.7	30.7	30.7	30.7	30.7
2.5°	30.4	24.4	19.4	17.0	16.3
5°	28.6	18.3	12.1	9.4	8.9
7.5°	25.4	13.1	7.3	5.2	5.0
10°	22.3	9.4	4.5	3.1	2.9
12.5°	18.6	6.6	2.9	1.8	1.6
15°	15.5	4.5	1.6	1.3	1.0
17.5°	12.3	2.9	1.0	0.8	1.0
20°	9.7	1.8	0.5	0.5	0.5
22.5°	7.3	1.0	0.5	0.5	0.5
25°	5.2	0.5	0.3	0.3	0.5
27.5°	3.7	0.3	0.3	0.3	0.5
30°	2.1	0.3	0.3	0.3	0.5
32.5°	1.0	0.3	0.3	0.5	0.5
35°	0.5	0.3	0.3	0.5	0.5
37.5°	0.3	0.3	0.3	0.5	0.8
40°	0.3	0.3	0.5	0.8	0.8
42.5°	0.3	0.3	0.5	0.8	1.0
45°	0.3	0.5	0.8	1.0	1.3
47.5°	0.5	0.5	1.0	1.3	1.6
50°	0.5	0.8	1.0	1.6	1.6
52.5°	0.5	0.8	1.3	1.6	1.8
55°	0.5	1.0	1.3	1.8	1.8
57.5°	0.8	1.0	1.3	1.8	1.8
60°	0.8	1.0	1.3	1.8	1.8
62.5°	0.8	1.0	1.3	1.8	1.8
65°	0.8	1.0	1.3	1.8	1.8
67.5°	0.8	1.0	1.3	1.6	1.8
70°	0.8	1.0	1.3	1.6	1.6
72.5°	1.0	1.0	1.3	1.6	1.6
75°	0.8	1.0	1.0	1.3	1.3
77.5°	0.8	0.8	0.8	1.0	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.5	0.5	0.8	0.8
85°	0.8	0.5	0.3	0.5	0.5
87.5°	0.5	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)