

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: P1335381

Luminaire Tested: P3A02R359050DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335381
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: P3A02R359050DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

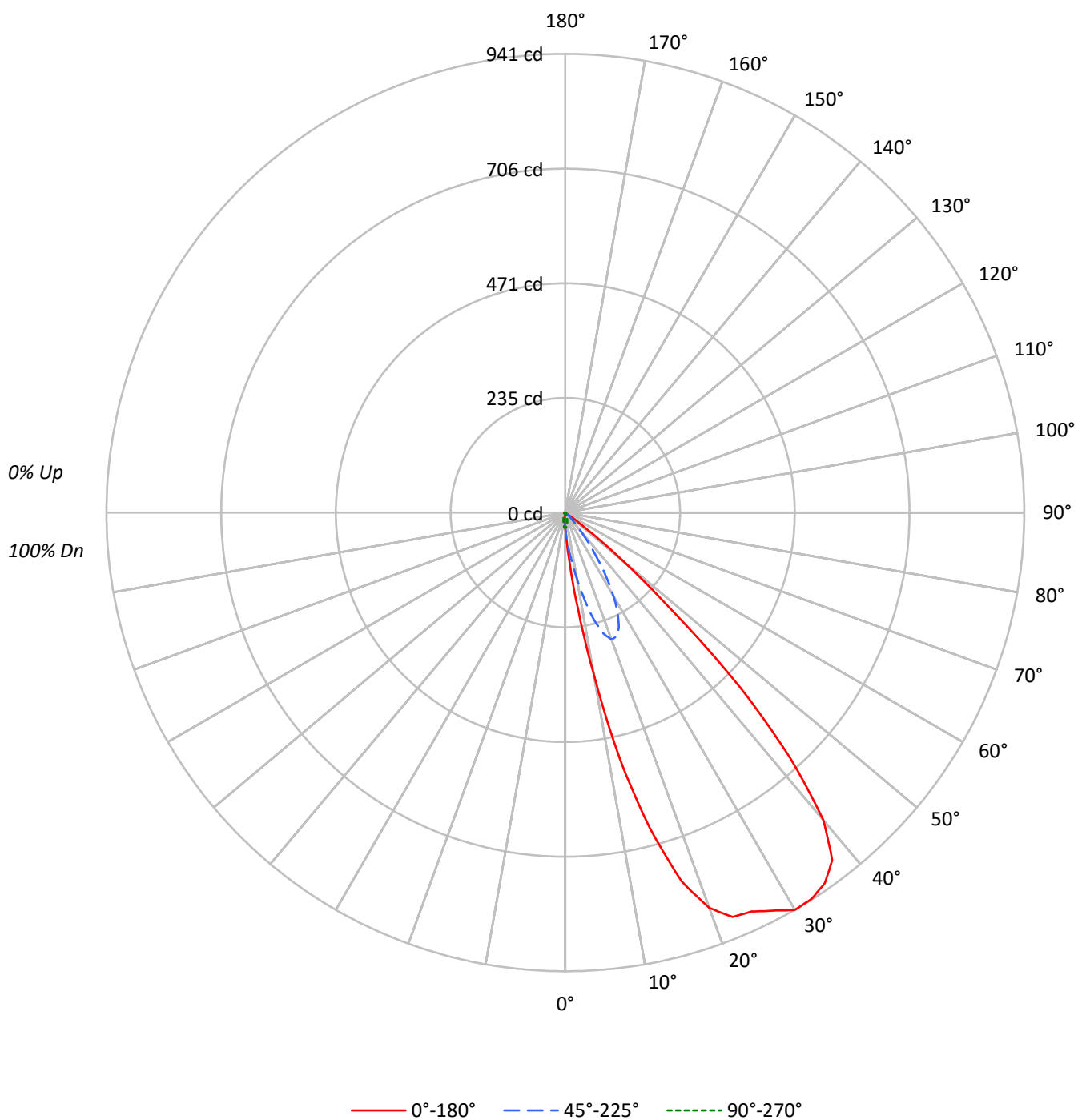
Lumens per Lamp: N/A
Luminaire Lumens: 296.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	60
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6820	6820	6820	6820	6820
5°	23222	15100	6383	2685	1981
10°	74726	30594	5032	1002	646
15°	152237	51873	3564	363	250
20°	201338	64616	2287	117	117
25°	218456	62810	1282	73	121
30°	238290	50058	532	76	127
35°	248311	31159	134	80	134
40°	235641	13626	86	143	229
45°	157288	5427	93	248	403
50°	52740	921	171	375	546
55°	2944	115	191	497	726
60°	219	132	351	570	833
65°	259	156	415	675	986
70°	192	192	513	833	1026
75°	254	254	678	932	1101
80°	0	379	1010	1010	1010
85°	0	755	2013	755	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 157288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	1.8
10°-20°	42.5	14.4
20°-30°	89.7	30.3
30°-40°	101.8	34.4
40°-50°	50.1	16.9
50°-60°	4.4	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°	137.6	46.5
0°-40°	239.4	80.9
0°-60°	293.9	99.3
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	106	69	29	12	9	17
15°	671	228	16	2	1	191
25°	903	260	5	0	0	420
35°	928	116	0	0	0	572
45°	507	18	0	1	1	375
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°	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
2.5°	53.9	55.3	54.7	54.5	54.2	53.1	50.8	50.5	48.1	46.5	38.5
5°	105.5	103.4	103.9	101.0	97.2	91.9	88.5	81.0	74.9	68.6	44.9
7.5°	198.7	195.8	190.2	181.7	173.0	161.6	144.3	130.5	114.5	99.4	50.0
10°	335.6	334.0	326.8	305.0	285.9	255.3	226.6	196.4	166.6	137.4	53.4
12.5°	518.4	507.5	494.5	465.5	427.8	389.5	332.9	280.6	233.0	184.1	53.7
15°	670.6	663.7	645.4	607.7	562.2	507.0	439.7	369.3	297.6	228.5	51.0
17.5°	793.1	782.5	758.9	721.9	669.6	597.8	519.2	433.4	346.0	260.1	46.5
20°	862.8	857.2	839.1	802.2	745.0	666.7	577.1	477.2	376.2	276.9	40.7
22.5°	897.8	893.8	880.6	851.1	797.7	718.7	616.2	500.1	385.0	275.0	34.5
25°	902.9	901.8	890.4	868.1	823.4	745.3	633.2	504.3	377.8	259.6	28.7
27.5°	920.4	916.7	903.1	880.8	835.9	749.8	627.3	489.7	354.7	232.5	23.9
30°	941.1	938.5	924.9	901.8	848.7	745.6	606.6	457.3	317.8	197.7	17.8
32.5°	939.5	938.5	927.1	902.6	839.6	720.6	569.7	408.7	267.6	156.0	11.2
35°	927.6	923.9	909.5	871.8	788.1	656.3	499.5	342.8	211.8	116.4	7.2
37.5°	898.9	890.9	866.7	802.7	695.9	557.2	406.8	264.6	149.9	77.9	4.5
40°	823.2	813.1	764.4	687.1	575.3	438.9	302.6	182.0	98.8	47.6	1.9
42.5°	682.9	662.4	613.8	534.3	429.4	310.3	198.7	118.0	58.2	28.7	0.5
45°	507.2	491.6	440.5	368.5	281.4	199.0	120.4	63.8	32.2	17.5	0.3
47.5°	295.5	285.9	259.6	212.3	155.4	104.4	61.6	34.3	18.9	8.5	0.3
50°	154.6	142.7	122.8	93.0	68.6	48.1	30.0	18.3	9.3	2.7	0.3
52.5°	54.2	53.4	48.6	36.7	29.8	21.5	14.6	8.0	2.7	0.5	0.3
55°	7.7	7.7	7.2	8.0	8.5	7.7	5.0	2.1	0.5	0.3	0.3
57.5°	0.5	0.5	0.5	0.8	1.1	1.1	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°	31.1	31.1	31.1	31.1	31.1
2.5°	30.8	24.7	19.7	17.3	16.5
5°	29.0	18.6	12.2	9.6	9.0
7.5°	25.8	13.3	7.4	5.3	5.0
10°	22.6	9.6	4.5	3.2	2.9
12.5°	18.9	6.6	2.9	1.9	1.6
15°	15.7	4.5	1.6	1.3	1.1
17.5°	12.5	2.9	1.1	0.8	1.1
20°	9.8	1.9	0.5	0.5	0.5
22.5°	7.4	1.1	0.5	0.5	0.5
25°	5.3	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°	1.1	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	1.1
45°	0.3	0.5	0.8	1.1	1.3
47.5°	0.5	0.5	1.1	1.3	1.6
50°	0.5	0.8	1.1	1.6	1.6
52.5°	0.5	0.8	1.3	1.6	1.9
55°	0.5	1.1	1.3	1.9	1.9
57.5°	0.8	1.1	1.3	1.9	1.9
60°	0.8	1.1	1.3	1.9	1.9
62.5°	0.8	1.1	1.3	1.9	1.9
65°	0.8	1.1	1.3	1.9	1.9
67.5°	0.8	1.1	1.3	1.6	1.9
70°	0.8	1.1	1.3	1.6	1.6
72.5°	1.1	1.1	1.3	1.6	1.6
75°	0.8	1.1	1.1	1.3	1.3
77.5°	0.8	0.8	0.8	1.1	1.1
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)