

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: P1335493

Luminaire Tested: P3A02R359835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335493
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: P3A02R359835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

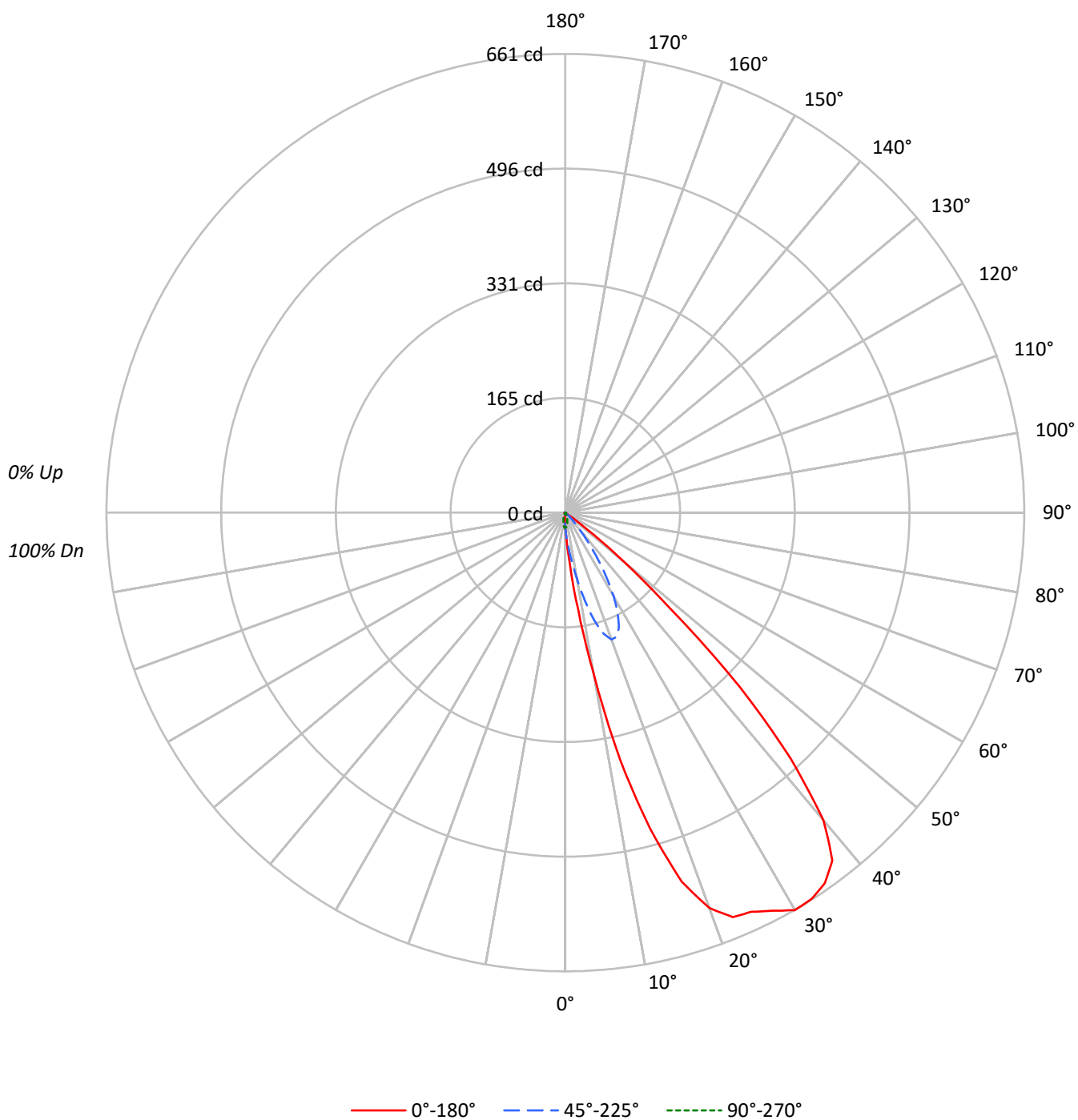
Lumens per Lamp: N/A
Luminaire Lumens: 208.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	4780	4780	4780	4780	4780
5°	16311	10610	4490	1893	1387
10°	52504	21487	3540	713	468
15°	106993	36459	2497	250	159
20°	141482	45411	1610	93	93
25°	153517	44132	895	48	97
30°	167443	35170	380	51	101
35°	174482	21897	107	54	107
40°	165567	9561	57	115	172
45°	110523	3814	62	186	279
50°	37082	648	136	239	375
55°	2064	76	153	344	497
60°	175	88	263	395	570
65°	208	104	311	467	675
70°	128	128	385	577	705
75°	169	169	508	593	763
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 110523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	1.8
10°-20°	29.9	14.4
20°-30°	63.1	30.3
30°-40°	71.5	34.4
40°-50°	35.2	16.9
50°-60°	3.1	1.5
60°-70°	0.6	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°	96.7	46.5
0°-40°	168.3	80.9
0°-60°	206.5	99.3
0°-90°	208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	74	48	20	9	6	12
15°	471	161	11	1	1	134
25°	634	182	4	0	0	295
35°	652	82	0	0	0	402
45°	356	12	0	1	1	263
55°	5	0	0	1	1	21
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°	35°	40°	45°	67.5°
0°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
2.5°	37.9	38.8	38.5	38.3	38.1	37.3	35.7	35.5	33.8	32.7	27.1
5°	74.1	72.6	73.0	71.0	68.3	64.6	62.2	56.9	52.7	48.2	31.6
7.5°	139.7	137.6	133.7	127.7	121.6	113.5	101.4	91.7	80.5	69.8	35.1
10°	235.8	234.7	229.7	214.3	200.9	179.4	159.3	138.0	117.1	96.5	37.5
12.5°	364.3	356.6	347.5	327.1	300.6	273.7	234.0	197.2	163.7	129.4	37.7
15°	471.3	466.4	453.5	427.0	395.1	356.3	309.0	259.5	209.1	160.6	35.8
17.5°	557.3	549.9	533.3	507.3	470.5	420.1	364.8	304.5	243.1	182.8	32.7
20°	606.3	602.3	589.6	563.7	523.5	468.5	405.5	335.3	264.4	194.6	28.6
22.5°	630.9	628.1	618.8	598.0	560.5	505.1	433.0	351.4	270.5	193.2	24.3
25°	634.5	633.7	625.7	610.0	578.6	523.7	444.9	354.4	265.5	182.4	20.2
27.5°	646.8	644.2	634.6	619.0	587.4	526.9	440.8	344.1	249.3	163.4	16.8
30°	661.3	659.5	650.0	633.7	596.4	523.9	426.3	321.3	223.3	138.9	12.5
32.5°	660.2	659.5	651.4	634.3	590.0	506.4	400.3	287.2	188.0	109.6	7.8
35°	651.8	649.2	639.1	612.6	553.8	461.2	351.0	240.9	148.8	81.8	5.0
37.5°	631.7	626.1	609.1	564.1	489.0	391.5	285.9	186.0	105.3	54.7	3.2
40°	578.4	571.3	537.2	482.8	404.2	308.5	212.7	127.9	69.5	33.4	1.3
42.5°	479.9	465.5	431.3	375.5	301.7	218.1	139.7	82.9	40.9	20.2	0.4
45°	356.4	345.4	309.6	259.0	197.7	139.8	84.6	44.8	22.6	12.3	0.2
47.5°	207.6	200.9	182.4	149.2	109.2	73.4	43.3	24.1	13.3	6.0	0.2
50°	108.7	100.3	86.3	65.3	48.2	33.8	21.1	12.9	6.5	1.9	0.2
52.5°	38.1	37.5	34.2	25.8	20.9	15.1	10.3	5.6	1.9	0.4	0.2
55°	5.4	5.4	5.0	5.6	6.0	5.4	3.5	1.5	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.7	0.7	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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):

	90°	112.5°	135°	157.5°	180°
0°	21.8	21.8	21.8	21.8	21.8
2.5°	21.7	17.4	13.8	12.1	11.6
5°	20.4	13.1	8.6	6.7	6.3
7.5°	18.1	9.3	5.2	3.7	3.5
10°	15.9	6.7	3.2	2.2	2.1
12.5°	13.3	4.7	2.1	1.3	1.1
15°	11.0	3.2	1.1	0.9	0.7
17.5°	8.8	2.1	0.7	0.6	0.7
20°	6.9	1.3	0.4	0.4	0.4
22.5°	5.2	0.7	0.4	0.4	0.4
25°	3.7	0.4	0.2	0.2	0.4
27.5°	2.6	0.2	0.2	0.2	0.4
30°	1.5	0.2	0.2	0.2	0.4
32.5°	0.7	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.7
45°	0.2	0.4	0.6	0.7	0.9
47.5°	0.4	0.4	0.7	0.9	1.1
50°	0.4	0.6	0.7	1.1	1.1
52.5°	0.4	0.6	0.9	1.1	1.3
55°	0.4	0.7	0.9	1.3	1.3
57.5°	0.6	0.7	0.9	1.3	1.3
60°	0.6	0.7	0.9	1.3	1.3
62.5°	0.6	0.7	0.9	1.3	1.3
65°	0.6	0.7	0.9	1.3	1.3
67.5°	0.6	0.7	0.9	1.1	1.3
70°	0.6	0.7	0.9	1.1	1.1
72.5°	0.7	0.7	0.9	1.1	1.1
75°	0.6	0.7	0.7	0.9	0.9
77.5°	0.6	0.6	0.6	0.7	0.7
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)