

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: P1335461

Luminaire Tested: P3A02R359827DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335461
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: P3A02R359827DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

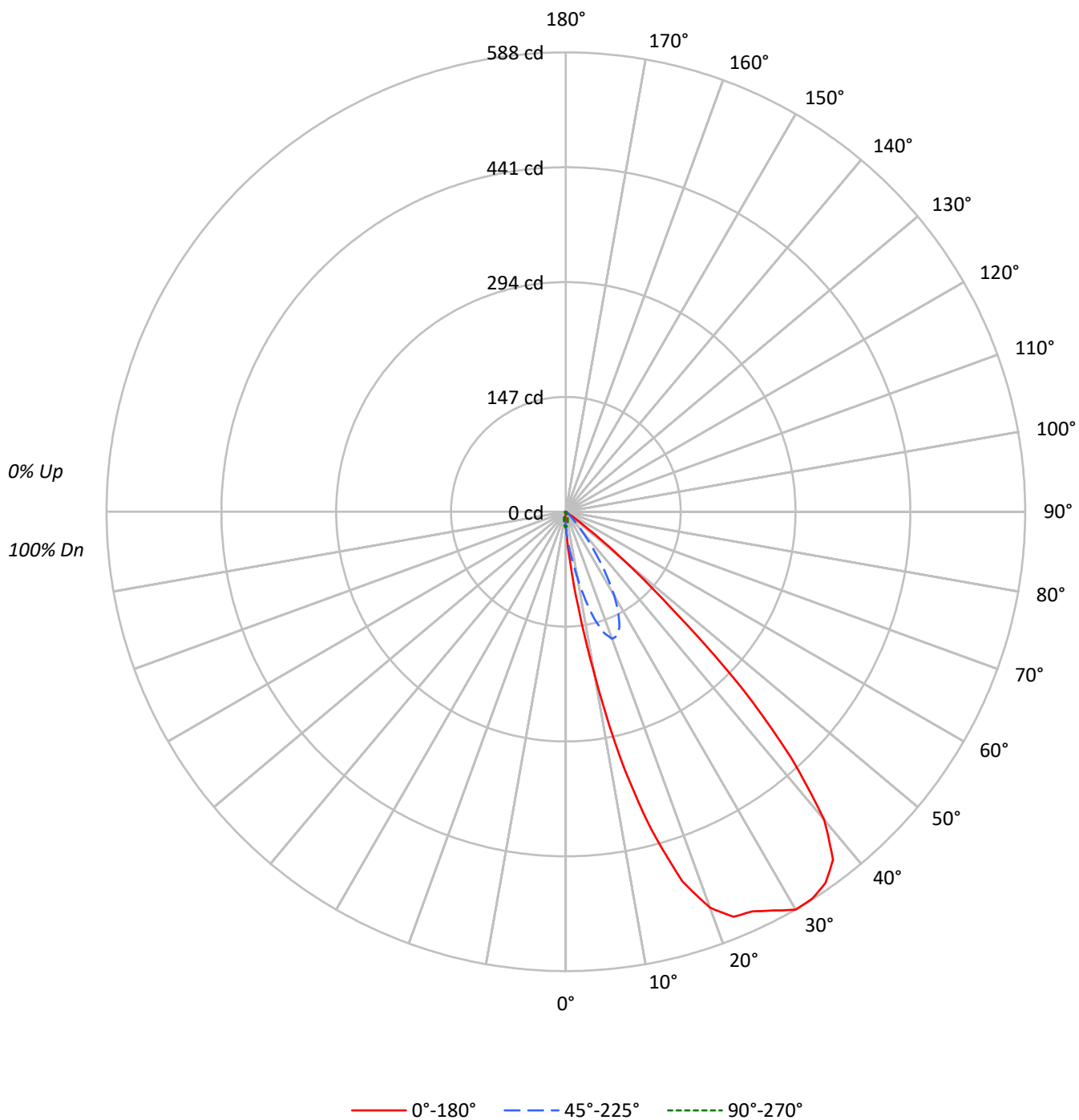
Lumens per Lamp: N/A
Luminaire Lumens: 185.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4254	4254	4254	4254	4254
5°	14506	9421	3984	1673	1233
10°	46693	19127	3140	623	401
15°	95165	32418	2225	227	159
20°	125824	40370	1423	70	70
25°	136532	39244	798	48	73
30°	148934	31296	329	51	76
35°	155181	19461	80	54	80
40°	147276	8502	57	86	143
45°	98305	3411	62	155	248
50°	32988	580	102	239	341
55°	1835	76	115	306	459
60°	132	88	219	351	526
65°	156	104	259	415	623
70°	128	128	321	513	641
75°	169	169	424	593	678
80°	0	253	631	631	631
85°	0	503	1258	503	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 98305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	1.8
10°-20°	26.6	14.4
20°-30°	56.1	30.3
30°-40°	63.6	34.4
40°-50°	31.3	16.9
50°-60°	2.7	1.5
60°-70°	0.6	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°	86.0	46.5
0°-40°	149.7	80.9
0°-60°	183.7	99.3
0°-90°	185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	185.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	66	43	18	8	6	11
15°	419	143	10	1	1	119
25°	564	162	3	0	0	263
35°	580	73	0	0	0	357
45°	317	11	0	0	1	234
55°	5	0	0	1	1	19
65°	0	0	0	1	1	0
75°	0	0	0	1	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°	35°	40°	45°	67.5°
0°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
2.5°	33.7	34.5	34.2	34.0	33.9	33.2	31.7	31.6	30.1	29.1	24.1
5°	65.9	64.6	64.9	63.1	60.8	57.5	55.3	50.7	46.8	42.8	28.1
7.5°	124.2	122.4	118.9	113.6	108.1	101.0	90.2	81.5	71.6	62.1	31.2
10°	209.7	208.7	204.3	190.6	178.7	159.6	141.7	122.7	104.1	85.9	33.4
12.5°	324.0	317.2	309.1	291.0	267.4	243.5	208.1	175.4	145.6	115.1	33.5
15°	419.2	414.8	403.4	379.8	351.4	316.9	274.8	230.8	186.0	142.8	31.9
17.5°	495.7	489.1	474.3	451.2	418.5	373.7	324.5	270.9	216.2	162.6	29.1
20°	539.2	535.7	524.4	501.4	465.7	416.7	360.7	298.3	235.2	173.0	25.4
22.5°	561.1	558.7	550.3	531.9	498.5	449.2	385.1	312.5	240.6	171.9	21.6
25°	564.3	563.6	556.5	542.5	514.6	465.8	395.7	315.2	236.1	162.2	17.9
27.5°	575.3	572.9	564.5	550.5	522.4	468.6	392.1	306.1	221.7	145.3	14.9
30°	588.2	586.6	578.1	563.6	530.4	466.0	379.1	285.8	198.6	123.6	11.1
32.5°	587.2	586.6	579.4	564.1	524.8	450.4	356.0	255.4	167.2	97.5	7.0
35°	579.7	577.4	568.4	544.9	492.6	410.2	312.2	214.2	132.4	72.7	4.5
37.5°	561.8	556.8	541.7	501.7	434.9	348.2	254.2	165.4	93.7	48.7	2.8
40°	514.5	508.2	477.8	429.5	359.5	274.3	189.2	113.8	61.8	29.7	1.2
42.5°	426.8	414.0	383.6	334.0	268.4	194.0	124.2	73.7	36.4	17.9	0.3
45°	317.0	307.2	275.3	230.3	175.9	124.4	75.2	39.9	20.1	11.0	0.2
47.5°	184.7	178.7	162.2	132.7	97.1	65.3	38.5	21.4	11.8	5.3	0.2
50°	96.7	89.2	76.7	58.1	42.8	30.1	18.8	11.5	5.8	1.7	0.2
52.5°	33.9	33.4	30.4	22.9	18.6	13.5	9.1	5.0	1.7	0.3	0.2
55°	4.8	4.8	4.5	5.0	5.3	4.8	3.2	1.3	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.3
60°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
62.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
65°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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):

	90°	112.5°	135°	157.5°	180°
0°	19.4	19.4	19.4	19.4	19.4
2.5°	19.3	15.4	12.3	10.8	10.3
5°	18.1	11.6	7.6	6.0	5.6
7.5°	16.1	8.3	4.6	3.3	3.2
10°	14.1	6.0	2.8	2.0	1.8
12.5°	11.8	4.2	1.8	1.2	1.0
15°	9.8	2.8	1.0	0.8	0.7
17.5°	7.8	1.8	0.7	0.5	0.7
20°	6.1	1.2	0.3	0.3	0.3
22.5°	4.6	0.7	0.3	0.3	0.3
25°	3.3	0.3	0.2	0.2	0.3
27.5°	2.3	0.2	0.2	0.2	0.3
30°	1.3	0.2	0.2	0.2	0.3
32.5°	0.7	0.2	0.2	0.3	0.3
35°	0.3	0.2	0.2	0.3	0.3
37.5°	0.2	0.2	0.2	0.3	0.5
40°	0.2	0.2	0.3	0.5	0.5
42.5°	0.2	0.2	0.3	0.5	0.7
45°	0.2	0.3	0.5	0.7	0.8
47.5°	0.3	0.3	0.7	0.8	1.0
50°	0.3	0.5	0.7	1.0	1.0
52.5°	0.3	0.5	0.8	1.0	1.2
55°	0.3	0.7	0.8	1.2	1.2
57.5°	0.5	0.7	0.8	1.2	1.2
60°	0.5	0.7	0.8	1.2	1.2
62.5°	0.5	0.7	0.8	1.2	1.2
65°	0.5	0.7	0.8	1.2	1.2
67.5°	0.5	0.7	0.8	1.0	1.2
70°	0.5	0.7	0.8	1.0	1.0
72.5°	0.7	0.7	0.8	1.0	1.0
75°	0.5	0.7	0.7	0.8	0.8
77.5°	0.5	0.5	0.5	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.3	0.3	0.5	0.5
85°	0.5	0.3	0.2	0.3	0.3
87.5°	0.3	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)