

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: P1335349

Luminaire Tested: P3A02R359035DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335349
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: P3A02R359035DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

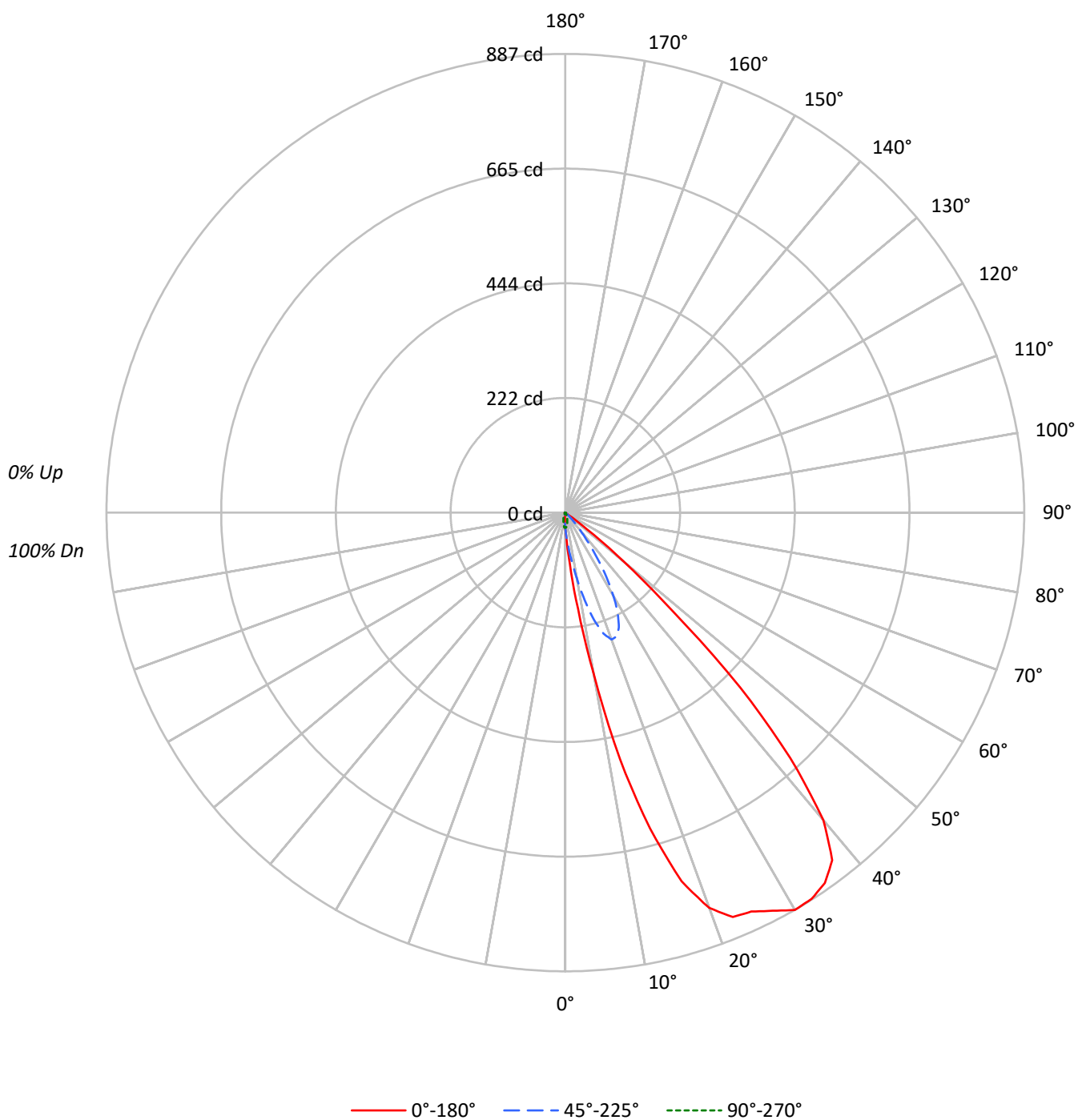
Lumens per Lamp: N/A
Luminaire Lumens: 279.1 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	60	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6425	6425	6425	6425	6425
5°	21880	14220	6009	2531	1871
10°	70428	28835	4743	957	623
15°	143497	48899	3360	341	227
20°	189763	60905	2170	117	117
25°	205899	59205	1210	73	121
30°	224617	47172	506	76	127
35°	234043	29366	134	80	134
40°	222102	12824	86	143	229
45°	148263	5117	93	248	403
50°	49738	853	171	341	512
55°	2791	115	191	497	688
60°	219	132	351	570	789
65°	259	156	415	675	934
70°	192	192	513	833	962
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: 148263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	1.8
10°-20°	40.1	14.4
20°-30°	84.6	30.3
30°-40°	96.0	34.4
40°-50°	47.2	16.9
50°-60°	4.1	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°	129.7	46.5
0°-40°	225.7	80.9
0°-60°	277.1	99.3
0°-90°	279.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	99	65	27	12	8	16
15°	632	215	15	2	1	180
25°	851	245	5	0	0	396
35°	874	110	0	0	0	539
45°	478	16	0	1	1	353
55°	7	0	0	1	2	29
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°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
2.5°	50.8	52.1	51.6	51.3	51.1	50.1	47.8	47.6	45.3	43.8	36.3
5°	99.4	97.4	97.9	95.2	91.7	86.7	83.4	76.4	70.6	64.6	42.3
7.5°	187.3	184.6	179.3	171.3	163.0	152.3	136.0	123.0	107.9	93.7	47.1
10°	316.3	314.8	308.1	287.5	269.5	240.7	213.6	185.1	157.0	129.5	50.3
12.5°	488.6	478.4	466.1	438.8	403.2	367.2	313.8	264.5	219.6	173.6	50.6
15°	632.1	625.6	608.3	572.8	529.9	477.9	414.5	348.1	280.5	215.4	48.1
17.5°	747.6	737.6	715.3	680.5	631.1	563.5	489.4	408.5	326.1	245.2	43.8
20°	813.2	807.9	790.9	756.1	702.3	628.4	544.0	449.8	354.6	261.0	38.3
22.5°	846.3	842.5	830.0	802.2	751.8	677.5	580.8	471.3	362.9	259.2	32.6
25°	851.0	850.0	839.3	818.2	776.1	702.5	596.8	475.4	356.1	244.7	27.0
27.5°	867.6	864.0	851.3	830.2	787.9	706.8	591.3	461.6	334.3	219.1	22.5
30°	887.1	884.6	871.8	850.0	799.9	702.8	571.8	431.0	299.5	186.3	16.8
32.5°	885.6	884.6	873.8	850.8	791.4	679.2	537.0	385.2	252.2	147.0	10.5
35°	874.3	870.8	857.3	821.7	742.8	618.6	470.8	323.1	199.6	109.7	6.8
37.5°	847.3	839.8	817.0	756.6	655.9	525.2	383.4	249.4	141.3	73.4	4.3
40°	775.9	766.4	720.5	647.7	542.2	413.7	285.3	171.6	93.2	44.8	1.8
42.5°	643.7	624.4	578.5	503.7	404.7	292.5	187.3	111.2	54.8	27.0	0.5
45°	478.1	463.3	415.2	347.4	265.2	187.6	113.5	60.1	30.3	16.5	0.3
47.5°	278.5	269.5	244.7	200.1	146.5	98.4	58.1	32.3	17.8	8.0	0.3
50°	145.8	134.5	115.7	87.7	64.6	45.3	28.3	17.3	8.8	2.5	0.3
52.5°	51.1	50.3	45.8	34.6	28.1	20.3	13.8	7.5	2.5	0.5	0.3
55°	7.3	7.3	6.8	7.5	8.0	7.3	4.8	2.0	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°	29.3	29.3	29.3	29.3	29.3
2.5°	29.1	23.3	18.5	16.3	15.5
5°	27.3	17.5	11.5	9.0	8.5
7.5°	24.3	12.5	7.0	5.0	4.8
10°	21.3	9.0	4.3	3.0	2.8
12.5°	17.8	6.3	2.8	1.8	1.5
15°	14.8	4.3	1.5	1.3	1.0
17.5°	11.8	2.8	1.0	0.8	1.0
20°	9.3	1.8	0.5	0.5	0.5
22.5°	7.0	1.0	0.5	0.5	0.5
25°	5.0	0.5	0.3	0.3	0.5
27.5°	3.5	0.3	0.3	0.3	0.5
30°	2.0	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	1.5
50°	0.5	0.8	1.0	1.5	1.5
52.5°	0.5	0.8	1.3	1.5	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	1.5	1.8
70°	0.8	1.0	1.3	1.5	1.5
72.5°	1.0	1.0	1.3	1.5	1.5
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)