

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: P1334627

Luminaire Tested: P3A02R259024DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259024DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

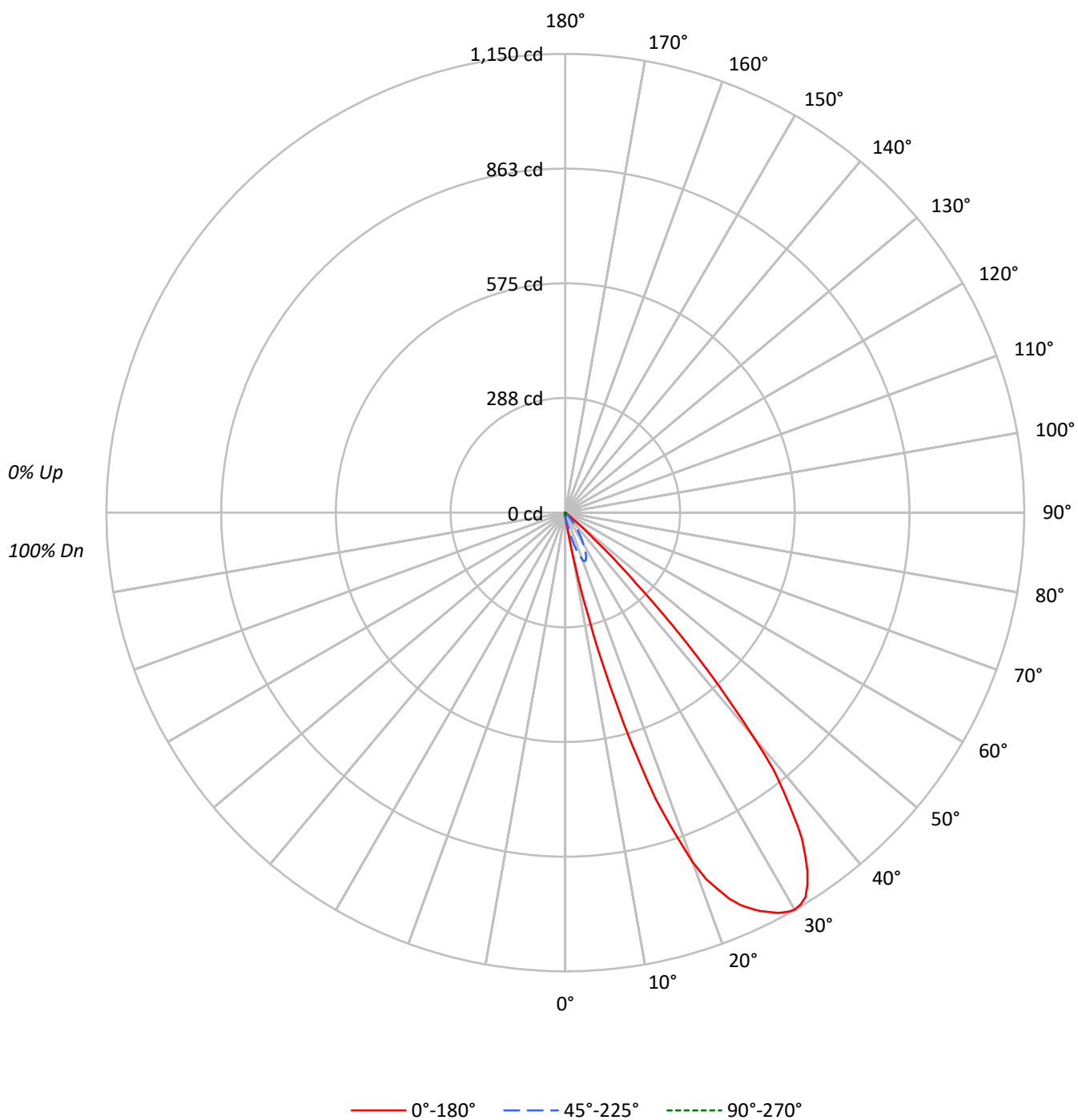
Lumens per Lamp: N/A
Luminaire Lumens: 230.0 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2171	2171	2171	2171	2171
5°	5437	4006	2025	1035	792
10°	23758	6836	1670	468	334
15°	112918	18411	1180	204	136
20°	217369	29496	747	47	47
25°	264741	29760	411	0	0
30°	291083	22763	152	0	0
35°	280515	14482	54	0	0
40°	209593	6269	0	0	57
45°	77589	1675	62	62	186
50°	9143	205	136	136	307
55°	918	0	153	229	421
60°	88	0	263	395	482
65°	104	104	467	571	675
70°	128	128	577	577	833
75°	169	169	508	508	763
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.6
10°-20°	26.8	11.7
20°-30°	84.2	36.6
30°-40°	88.6	38.5
40°-50°	26.0	11.3
50°-60°	1.4	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.2
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°	112.4	48.9
0°-40°	201.0	87.4
0°-60°	228.4	99.3
0°-90°	230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	25	18	9	5	4	4
15°	497	81	5	1	1	157
25°	1094	123	2	0	0	502
35°	1048	54	0	0	0	632
45°	250	5	0	0	1	227
55°	2	0	0	1	1	6
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°	45°	67.5°	90°	112.5°
0°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
2.5°	15.2	15.5	14.8	15.2	14.8	14.6	14.4	13.3	11.6	9.9	8.2
5°	24.7	24.7	23.6	23.4	23.0	22.1	21.2	18.2	13.1	9.2	6.4
7.5°	38.6	38.4	38.0	36.9	34.8	32.6	30.5	23.8	14.4	8.6	4.9
10°	106.7	105.2	103.2	91.6	78.5	67.0	56.9	30.7	15.5	7.5	3.6
12.5°	265.0	256.4	236.1	212.9	183.3	152.1	121.7	50.0	15.9	6.2	2.6
15°	497.4	479.6	447.9	401.5	341.0	273.0	215.0	81.1	15.5	5.2	1.9
17.5°	751.1	733.9	689.9	619.5	530.5	426.0	323.4	107.5	14.4	4.3	1.3
20°	931.5	913.3	872.1	797.4	701.1	561.8	425.8	126.4	13.5	3.2	0.6
21°	984.3	966.1	922.5	850.4	749.1	609.4	458.6	129.6	12.9	2.8	0.4
22°	1017.8	1007.1	960.3	890.3	787.1	647.6	486.7	131.1	12.4	2.6	0.4
23°	1051.5	1035.4	991.6	917.8	816.1	676.0	507.5	130.0	12.0	2.1	0.2
24°	1076.4	1062.9	1012.0	939.1	836.3	693.3	519.7	127.3	11.4	1.9	0.2
25°	1094.2	1081.8	1028.8	953.4	849.8	702.8	523.6	123.0	10.7	1.7	0.2
26°	1111.2	1097.6	1042.7	961.8	856.9	705.8	520.0	118.2	10.1	1.5	0.0
27°	1123.4	1109.7	1052.4	966.7	857.3	702.1	510.1	111.8	9.4	1.3	0.0
28°	1136.5	1120.6	1059.0	969.5	854.7	693.6	495.9	104.9	9.0	1.1	0.0
29°	1144.4	1129.4	1065.9	972.5	849.4	679.2	475.3	96.8	7.9	0.6	0.0
30°	1149.6	1131.8	1065.2	969.3	842.3	663.7	450.6	89.9	6.9	0.6	0.0
31°	1145.3	1126.6	1058.4	960.3	830.9	643.6	425.3	81.3	5.6	0.4	0.0
32°	1136.1	1114.0	1046.4	944.6	810.5	617.6	399.1	74.2	4.1	0.4	0.0
33°	1113.5	1094.9	1024.7	923.6	783.9	582.4	365.0	67.4	2.8	0.2	0.0
34°	1085.2	1066.5	995.1	895.5	748.3	536.9	323.6	60.3	2.4	0.2	0.0
35°	1047.9	1029.4	961.6	856.2	701.1	482.2	280.9	54.1	1.9	0.2	0.0
36°	1008.6	984.1	919.3	814.4	637.8	420.0	235.2	47.0	1.5	0.2	0.0
37°	950.9	934.3	862.4	750.6	569.3	360.3	201.9	40.6	1.1	0.2	0.0
38°	891.0	875.8	805.6	686.5	492.9	301.3	169.1	34.3	0.9	0.0	0.0
39°	829.2	803.9	734.6	604.3	412.9	252.4	142.3	28.8	0.4	0.0	0.0
40°	732.2	712.9	638.8	505.6	341.6	204.5	121.2	21.9	0.4	0.0	0.0
42.5°	485.4	467.4	389.7	274.2	181.5	119.5	80.0	8.6	0.0	0.2	0.0
45°	250.2	238.8	194.0	143.6	103.0	73.4	51.5	5.4	0.0	0.2	0.2
47.5°	99.4	97.4	88.0	76.0	58.6	43.6	28.1	2.4	0.0	0.2	0.2
50°	26.8	27.0	25.3	23.4	21.2	20.0	11.8	0.6	0.0	0.4	0.2
52.5°	11.4	11.6	11.2	10.5	9.4	7.1	4.7	0.2	0.2	0.4	0.4
55°	2.4	2.6	2.8	3.0	3.4	3.0	1.9	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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):

	135°	157.5°	180°
0°	9.9	9.9	9.9
2.5°	6.9	6.2	6.0
5°	4.7	4.1	3.6
7.5°	3.2	2.6	2.4
10°	2.1	1.7	1.5
12.5°	1.5	0.9	0.9
15°	0.9	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.9
50°	0.4	0.9	0.9
52.5°	0.6	0.9	1.1
55°	0.6	1.1	1.1
57.5°	0.9	1.1	1.3
60°	0.9	1.1	1.1
62.5°	0.9	1.3	1.3
65°	1.1	1.3	1.3
67.5°	1.1	1.3	1.3
70°	0.9	1.1	1.3
72.5°	0.9	1.1	1.1
75°	0.6	0.9	0.9
77.5°	0.6	0.6	0.9
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)