

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: P1334657

Luminaire Tested: P3A02R259030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334657
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: P3A02R259030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

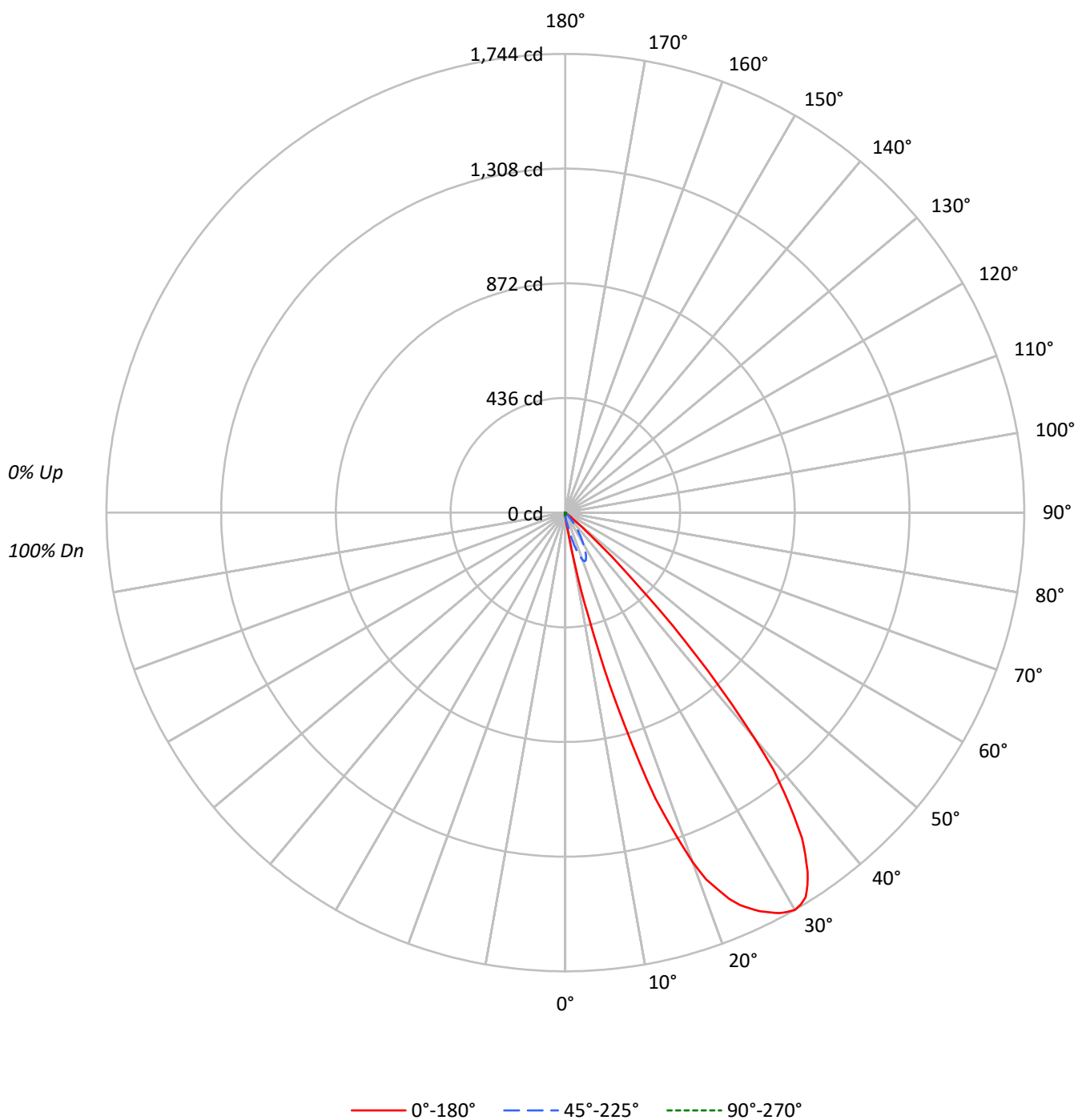
Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	103	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°	3289	3289	3289	3289	3289
5°	8232	6097	3082	1585	1211
10°	36027	10376	2538	735	512
15°	171352	27946	1771	295	227
20°	329845	44757	1143	70	70
25°	401709	45148	629	0	0
30°	441688	34537	253	0	0
35°	425631	21978	80	0	0
40°	318024	9504	0	0	86
45°	117749	2512	93	93	310
50°	13884	341	239	239	443
55°	1376	0	268	382	612
60°	132	0	439	570	702
65°	156	156	675	830	1038
70°	192	192	833	833	1282
75°	254	254	847	847	1101
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 117749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.6
10°-20°	40.7	11.7
20°-30°	127.7	36.6
30°-40°	134.4	38.5
40°-50°	39.5	11.3
50°-60°	2.1	0.6
60°-70°	1.0	0.3
70°-80°	0.9	0.3
80°-90°	0.5	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°	170.6	48.9
0°-40°	305.0	87.4
0°-60°	346.6	99.3
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	37	28	14	7	6	7
15°	755	123	8	1	1	238
25°	1660	187	3	0	0	762
35°	1590	82	0	0	0	959
45°	380	8	0	0	1	345
55°	4	0	1	1	2	9
65°	0	0	1	2	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°	45°	67.5°	90°	112.5°
0°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2.5°	23.1	23.4	22.5	23.1	22.5	22.1	21.8	20.2	17.6	15.0	12.4
5°	37.4	37.4	35.8	35.5	34.8	33.5	32.2	27.7	19.9	14.0	9.8
7.5°	58.6	58.3	57.6	56.0	52.8	49.5	46.2	36.1	21.8	13.0	7.5
10°	161.8	159.6	156.6	139.0	119.2	101.6	86.3	46.6	23.4	11.4	5.5
12.5°	402.1	389.1	358.2	323.0	278.1	230.9	184.6	75.9	24.1	9.4	3.9
15°	754.8	727.8	679.6	609.2	517.4	414.2	326.3	123.1	23.4	7.8	2.9
17.5°	1139.7	1113.6	1046.9	940.1	804.9	646.4	490.7	163.1	21.8	6.5	2.0
20°	1413.5	1385.8	1323.3	1210.0	1063.8	852.5	646.0	191.8	20.5	4.9	1.0
21°	1493.6	1465.9	1399.8	1290.4	1136.7	924.8	695.9	196.7	19.5	4.2	0.7
22°	1544.4	1528.1	1457.2	1351.0	1194.4	982.7	738.5	199.0	18.9	3.9	0.7
23°	1595.5	1571.1	1504.7	1392.7	1238.3	1025.7	770.1	197.3	18.2	3.3	0.3
24°	1633.3	1612.8	1535.6	1424.9	1268.9	1052.1	788.7	193.1	17.3	2.9	0.3
25°	1660.3	1641.5	1561.0	1446.7	1289.5	1066.4	794.5	186.6	16.3	2.6	0.3
26°	1686.1	1665.6	1582.2	1459.4	1300.2	1071.0	789.0	179.4	15.3	2.3	0.0
27°	1704.6	1683.8	1596.8	1466.9	1300.9	1065.4	774.0	169.6	14.3	2.0	0.0
28°	1724.5	1700.4	1606.9	1471.2	1297.0	1052.4	752.5	159.2	13.7	1.6	0.0
29°	1736.5	1713.7	1617.4	1475.7	1288.8	1030.6	721.3	146.9	12.0	1.0	0.0
30°	1744.4	1717.3	1616.4	1470.8	1278.1	1007.1	683.8	136.4	10.4	1.0	0.0
31°	1737.8	1709.5	1606.0	1457.2	1260.8	976.5	645.4	123.4	8.5	0.7	0.0
32°	1723.8	1690.3	1587.7	1433.4	1229.9	937.1	605.7	112.7	6.2	0.7	0.0
33°	1689.6	1661.3	1554.8	1401.5	1189.5	883.7	553.9	102.2	4.2	0.3	0.0
34°	1646.7	1618.3	1509.9	1358.8	1135.4	814.7	491.0	91.5	3.6	0.3	0.0
35°	1590.0	1562.0	1459.1	1299.2	1063.8	731.7	426.2	82.1	2.9	0.3	0.0
36°	1530.4	1493.3	1395.0	1235.7	967.7	637.2	356.9	71.3	2.3	0.3	0.0
37°	1442.8	1417.8	1308.7	1139.0	863.9	546.7	306.4	61.5	1.6	0.3	0.0
38°	1352.0	1328.9	1222.4	1041.7	748.0	457.2	256.6	52.1	1.3	0.0	0.0
39°	1258.2	1219.8	1114.6	916.9	626.5	382.9	215.9	43.6	0.7	0.0	0.0
40°	1111.0	1081.7	969.4	767.2	518.4	310.3	184.0	33.2	0.7	0.0	0.0
42.5°	736.6	709.2	591.3	416.1	275.5	181.4	121.5	13.0	0.0	0.3	0.0
45°	379.7	362.4	294.4	217.8	156.3	111.4	78.1	8.1	0.0	0.3	0.3
47.5°	150.8	147.8	133.5	115.3	88.9	66.1	42.7	3.6	0.0	0.3	0.3
50°	40.7	41.0	38.4	35.5	32.2	30.3	17.9	1.0	0.0	0.7	0.3
52.5°	17.3	17.6	16.9	16.0	14.3	10.7	7.2	0.3	0.3	0.7	0.7
55°	3.6	3.9	4.2	4.6	5.2	4.6	2.9	0.0	0.3	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.0	0.3	0.7	1.0
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7	1.0	1.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	1.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.3	1.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	0.7



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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	0.3	0.3	0.7	1.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
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°	15.0	15.0	15.0
2.5°	10.4	9.4	9.1
5°	7.2	6.2	5.5
7.5°	4.9	3.9	3.6
10°	3.3	2.6	2.3
12.5°	2.3	1.3	1.3
15°	1.3	1.0	1.0
17.5°	0.7	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.7
45°	0.3	0.7	1.0
47.5°	0.7	1.0	1.3
50°	0.7	1.3	1.3
52.5°	1.0	1.3	1.6
55°	1.0	1.6	1.6
57.5°	1.3	1.6	2.0
60°	1.3	1.6	1.6
62.5°	1.3	2.0	2.0
65°	1.6	2.0	2.0
67.5°	1.6	2.0	2.0
70°	1.3	1.6	2.0
72.5°	1.3	1.6	1.6
75°	1.0	1.3	1.3
77.5°	1.0	1.0	1.3
80°	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)