

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: P1337323

Luminaire Tested: P3A05R259030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337323
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: P3A05R259030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

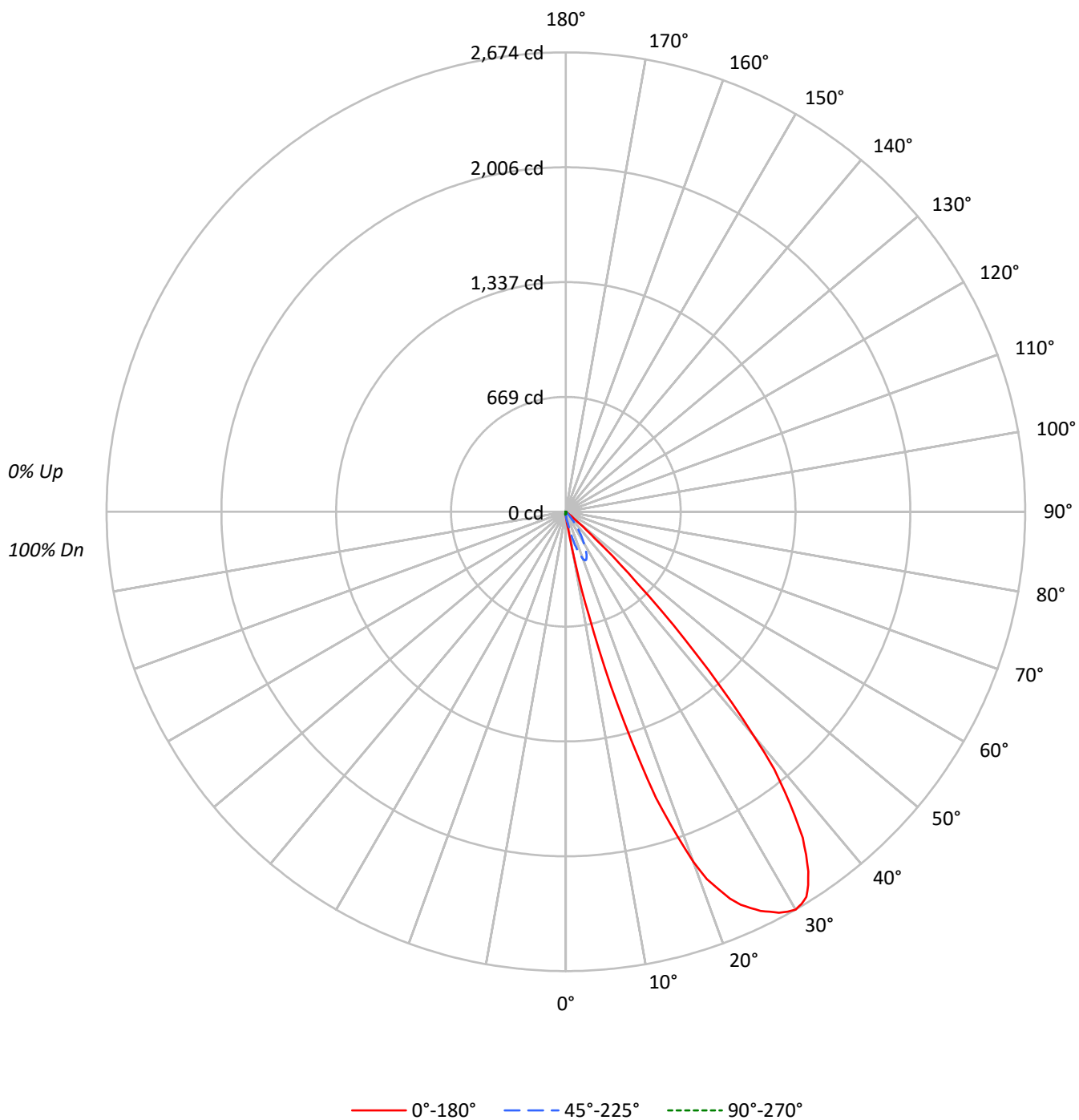
Lumens per Lamp: N/A
Luminaire Lumens: 535.0 lumens
Efficiency: N/A
Efficacy: 48.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	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°	5043	5043	5043	5043	5043
5°	12635	9333	4733	2421	1871
10°	55243	15898	3897	1113	779
15°	262680	42838	2724	454	341
20°	505654	68606	1750	117	117
25°	615810	69198	968	0	0
30°	677066	52945	380	0	0
35°	652473	33676	134	0	0
40°	487513	14570	0	0	143
45°	180484	3876	155	155	465
50°	21287	512	341	341	682
55°	2103	0	382	573	956
60°	219	0	658	877	1096
65°	259	259	1038	1297	1557
70°	321	321	1282	1282	1923
75°	424	424	1271	1271	1694
80°	0	631	1894	1263	1894
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 180484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.6
10°-20°	62.4	11.7
20°-30°	195.8	36.6
30°-40°	206.1	38.5
40°-50°	60.5	11.3
50°-60°	3.2	0.6
60°-70°	1.6	0.3
70°-80°	1.4	0.3
80°-90°	0.7	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°	261.5	48.9
0°-40°	467.6	87.4
0°-60°	531.4	99.3
0°-90°	535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	57	42	22	11	8	10
15°	1157	189	12	2	2	365
25°	2545	286	4	0	0	1167
35°	2437	126	0	0	0	1471
45°	582	12	0	0	2	529
55°	6	0	1	2	2	14
65°	0	0	2	2	3	0
75°	0	0	2	2	2	0
85°	0	0	2	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°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	35.4	35.9	34.4	35.4	34.4	33.9	33.4	30.9	27.0	23.0	19.0
5°	57.4	57.4	54.9	54.4	53.4	51.4	49.4	42.4	30.4	21.5	15.0
7.5°	89.8	89.3	88.4	85.9	80.9	75.9	70.9	55.4	33.4	20.0	11.5
10°	248.1	244.6	240.1	213.1	182.7	155.7	132.3	71.4	35.9	17.5	8.5
12.5°	616.5	596.5	549.1	495.2	426.3	353.9	283.0	116.3	36.9	14.5	6.0
15°	1157.1	1115.6	1041.8	933.9	793.2	634.9	500.2	188.7	35.9	12.0	4.5
17.5°	1747.1	1707.1	1604.8	1441.1	1233.9	990.8	752.2	250.1	33.4	10.0	3.0
20°	2166.9	2124.4	2028.6	1854.9	1630.8	1306.8	990.3	294.0	31.4	7.5	1.5
21°	2289.7	2247.2	2145.9	1978.2	1742.6	1417.6	1066.7	301.5	29.9	6.5	1.0
22°	2367.5	2342.6	2233.7	2071.0	1830.9	1506.5	1132.1	305.0	29.0	6.0	1.0
23°	2445.9	2408.5	2306.6	2134.9	1898.3	1572.4	1180.5	302.5	28.0	5.0	0.5
24°	2503.8	2472.3	2354.0	2184.3	1945.2	1612.8	1209.0	296.0	26.5	4.5	0.5
25°	2545.2	2516.3	2393.0	2217.8	1976.7	1634.8	1218.0	286.0	25.0	4.0	0.5
26°	2584.7	2553.2	2425.4	2237.2	1993.2	1641.7	1209.5	275.0	23.5	3.5	0.0
27°	2613.1	2581.2	2447.9	2248.7	1994.2	1633.3	1186.5	260.1	22.0	3.0	0.0
28°	2643.6	2606.6	2463.4	2255.2	1988.2	1613.3	1153.6	244.1	21.0	2.5	0.0
29°	2662.0	2627.1	2479.3	2262.2	1975.7	1579.8	1105.6	225.1	18.5	1.5	0.0
30°	2674.0	2632.6	2477.8	2254.7	1959.2	1543.9	1048.2	209.1	16.0	1.5	0.0
31°	2664.0	2620.6	2461.9	2233.7	1932.8	1497.0	989.3	189.2	13.0	1.0	0.0
32°	2642.6	2591.1	2433.9	2197.3	1885.3	1436.6	928.4	172.7	9.5	1.0	0.0
33°	2590.2	2546.7	2383.5	2148.4	1823.4	1354.7	849.1	156.7	6.5	0.5	0.0
34°	2524.3	2480.8	2314.6	2083.0	1740.6	1248.9	752.7	140.3	5.5	0.5	0.0
35°	2437.4	2394.5	2236.7	1991.7	1630.8	1121.6	653.4	125.8	4.5	0.5	0.0
36°	2346.1	2289.2	2138.4	1894.3	1483.5	976.9	547.1	109.3	3.5	0.5	0.0
37°	2211.8	2173.4	2006.1	1746.1	1324.3	838.1	469.7	94.3	2.5	0.5	0.0
38°	2072.5	2037.1	1873.9	1596.8	1146.6	700.8	393.3	79.9	2.0	0.0	0.0
39°	1928.8	1869.9	1708.6	1405.6	960.4	587.0	330.9	66.9	1.0	0.0	0.0
40°	1703.1	1658.2	1486.0	1176.0	794.7	475.7	282.0	50.9	1.0	0.0	0.0
42.5°	1129.1	1087.2	906.5	637.9	422.3	278.0	186.2	20.0	0.0	0.5	0.0
45°	582.0	555.6	451.2	333.9	239.6	170.7	119.8	12.5	0.0	0.5	0.5
47.5°	231.1	226.6	204.7	176.7	136.3	101.3	65.4	5.5	0.0	0.5	0.5
50°	62.4	62.9	58.9	54.4	49.4	46.4	27.5	1.5	0.0	1.0	0.5
52.5°	26.5	27.0	26.0	24.5	22.0	16.5	11.0	0.5	0.5	1.0	1.0
55°	5.5	6.0	6.5	7.0	8.0	7.0	4.5	0.0	0.5	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.0	0.0	0.5	1.0	1.5
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.5	1.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.0	2.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.0	2.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.0	2.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.0	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.5	1.0



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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	0.5	0.5	1.0	1.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.0
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°	23.0	23.0	23.0
2.5°	16.0	14.5	14.0
5°	11.0	9.5	8.5
7.5°	7.5	6.0	5.5
10°	5.0	4.0	3.5
12.5°	3.5	2.0	2.0
15°	2.0	1.5	1.5
17.5°	1.0	0.5	0.5
20°	0.5	0.5	0.5
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	0.5
39°	0.0	0.5	0.5
40°	0.0	0.5	0.5
42.5°	0.0	0.5	1.0
45°	0.5	1.0	1.5
47.5°	1.0	1.5	2.0
50°	1.0	2.0	2.0
52.5°	1.5	2.0	2.5
55°	1.5	2.5	2.5
57.5°	2.0	2.5	3.0
60°	2.0	2.5	2.5
62.5°	2.0	3.0	3.0
65°	2.5	3.0	3.0
67.5°	2.5	3.0	3.0
70°	2.0	2.5	3.0
72.5°	2.0	2.5	2.5
75°	1.5	2.0	2.0
77.5°	1.5	1.5	2.0
80°	1.0	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.0	1.0	1.0
85°	0.5	0.5	0.5
87.5°	0.5	0.5	0.5
90°	0.0	0.0	0.0

(END OF REPORT)