

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: P1337351

Luminaire Tested: P3A05R259035DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337351
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: P3A05R259035DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

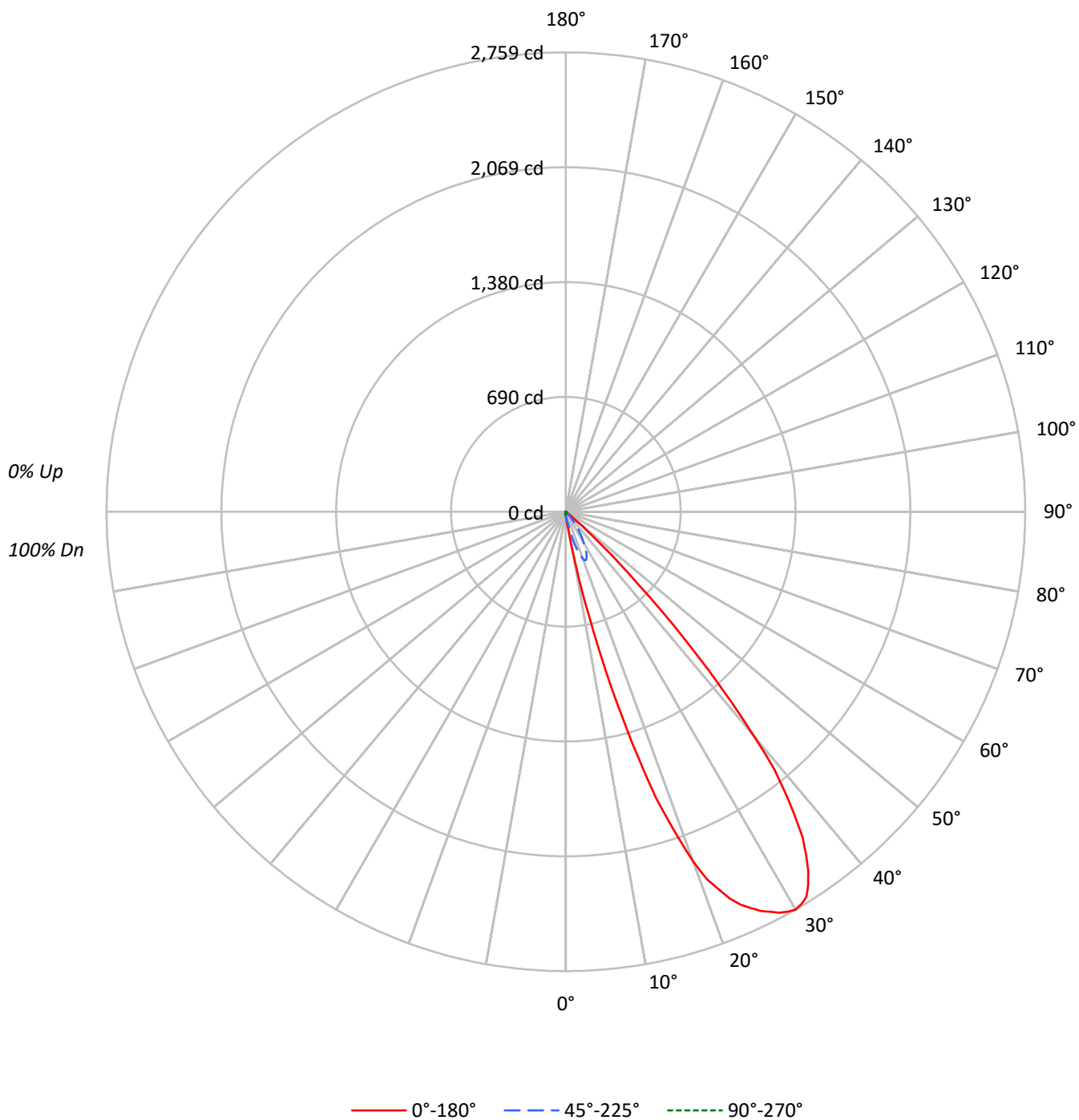
Lumens per Lamp: N/A
Luminaire Lumens: 551.9 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5197	5197	5197	5197	5197
5°	13031	9641	4865	2487	1937
10°	57002	16388	4008	1158	802
15°	271012	44200	2815	477	341
20°	521709	70776	1797	117	117
25°	635383	71399	992	0	0
30°	698588	54641	380	0	0
35°	673219	34746	134	0	0
40°	503028	15028	0	0	143
45°	186221	4000	155	155	465
50°	21969	512	341	341	716
55°	2179	0	382	573	994
60°	219	0	658	921	1140
65°	259	259	1090	1349	1608
70°	321	321	1346	1346	1988
75°	424	424	1271	1271	1779
80°	0	631	1894	1263	1894
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 186221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.6
10°-20°	64.4	11.7
20°-30°	202.0	36.6
30°-40°	212.6	38.5
40°-50°	62.5	11.3
50°-60°	3.3	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°	269.8	48.9
0°-40°	482.4	87.4
0°-60°	548.2	99.3
0°-90°	551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	59	44	22	11	9	11
15°	1194	195	12	2	2	376
25°	2626	295	4	0	0	1205
35°	2515	130	0	0	0	1518
45°	600	13	0	0	2	546
55°	6	0	1	2	3	14
65°	0	0	2	3	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°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	36.6	37.1	35.5	36.6	35.5	35.0	34.5	31.9	27.8	23.7	19.6
5°	59.2	59.2	56.7	56.1	55.1	53.0	51.0	43.8	31.4	22.1	15.5
7.5°	92.7	92.2	91.2	88.6	83.4	78.3	73.1	57.2	34.5	20.6	11.8
10°	256.0	252.4	247.7	219.9	188.5	160.7	136.5	73.6	37.1	18.0	8.8
12.5°	636.1	615.5	566.5	510.9	439.8	365.2	292.0	120.0	38.1	14.9	6.2
15°	1193.8	1151.1	1074.9	963.6	818.4	655.1	516.1	194.7	37.1	12.4	4.6
17.5°	1802.6	1761.4	1655.8	1486.9	1273.1	1022.3	776.1	258.0	34.5	10.3	3.1
20°	2235.7	2191.9	2093.1	1913.8	1682.6	1348.3	1021.8	303.3	32.4	7.7	1.5
21°	2362.4	2318.6	2214.1	2041.0	1797.9	1462.7	1100.6	311.1	30.9	6.7	1.0
22°	2442.8	2417.0	2304.7	2136.8	1889.1	1554.3	1168.1	314.7	29.9	6.2	1.0
23°	2523.6	2485.0	2379.9	2202.8	1958.6	1622.3	1218.0	312.1	28.8	5.2	0.5
24°	2583.4	2550.9	2428.8	2253.7	2007.0	1664.0	1247.4	305.4	27.3	4.6	0.5
25°	2626.1	2596.2	2469.0	2288.2	2039.5	1686.7	1256.7	295.1	25.8	4.1	0.5
26°	2666.8	2634.3	2502.5	2308.3	2056.5	1693.9	1247.9	283.8	24.2	3.6	0.0
27°	2696.1	2663.2	2525.7	2320.2	2057.5	1685.2	1224.2	268.3	22.7	3.1	0.0
28°	2727.6	2689.5	2541.6	2326.9	2051.3	1664.6	1190.2	251.8	21.6	2.6	0.0
29°	2746.6	2710.6	2558.1	2334.1	2038.5	1630.0	1140.8	232.3	19.1	1.5	0.0
30°	2759.0	2716.2	2556.6	2326.4	2021.5	1593.0	1081.5	215.8	16.5	1.5	0.0
31°	2748.7	2703.9	2540.1	2304.7	1994.2	1544.6	1020.8	195.2	13.4	1.0	0.0
32°	2726.5	2673.5	2511.3	2267.1	1945.2	1482.2	957.9	178.2	9.8	1.0	0.0
33°	2672.5	2627.6	2459.2	2216.7	1881.4	1397.8	876.1	161.7	6.7	0.5	0.0
34°	2604.5	2559.7	2388.2	2149.2	1795.9	1288.6	776.7	144.7	5.7	0.5	0.0
35°	2514.9	2470.6	2307.8	2054.9	1682.6	1157.3	674.2	129.8	4.6	0.5	0.0
36°	2420.6	2361.9	2206.4	1954.5	1530.6	1007.9	564.5	112.8	3.6	0.5	0.0
37°	2282.1	2242.4	2069.9	1801.6	1366.4	864.7	484.6	97.3	2.6	0.5	0.0
38°	2138.4	2101.8	1933.4	1647.6	1183.0	723.1	405.8	82.4	2.1	0.0	0.0
39°	1990.0	1929.3	1762.9	1450.3	990.9	605.7	341.5	69.0	1.0	0.0	0.0
40°	1757.3	1710.9	1533.2	1213.4	819.9	490.8	291.0	52.5	1.0	0.0	0.0
42.5°	1165.0	1121.7	935.3	658.2	435.7	286.9	192.1	20.6	0.0	0.5	0.0
45°	600.5	573.2	465.6	344.6	247.2	176.1	123.6	12.9	0.0	0.5	0.5
47.5°	238.5	233.8	211.2	182.3	140.6	104.5	67.5	5.7	0.0	0.5	0.5
50°	64.4	64.9	60.8	56.1	51.0	47.9	28.3	1.5	0.0	1.0	0.5
52.5°	27.3	27.8	26.8	25.2	22.7	17.0	11.3	0.5	0.5	1.0	1.0
55°	5.7	6.2	6.7	7.2	8.2	7.2	4.6	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	2.1
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.1	2.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.1	2.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.1	2.1
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.1	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°	23.7	23.7	23.7
2.5°	16.5	14.9	14.4
5°	11.3	9.8	8.8
7.5°	7.7	6.2	5.7
10°	5.2	4.1	3.6
12.5°	3.6	2.1	2.1
15°	2.1	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	2.1
50°	1.0	2.1	2.1
52.5°	1.5	2.1	2.6
55°	1.5	2.6	2.6
57.5°	2.1	2.6	3.1
60°	2.1	2.6	2.6
62.5°	2.1	3.1	3.1
65°	2.6	3.1	3.1
67.5°	2.6	3.1	3.1
70°	2.1	2.6	3.1
72.5°	2.1	2.6	2.6
75°	1.5	2.1	2.1
77.5°	1.5	1.5	2.1
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)