

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: P1337293

Luminaire Tested: P3A05R259024DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337293
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: P3A05R259024DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

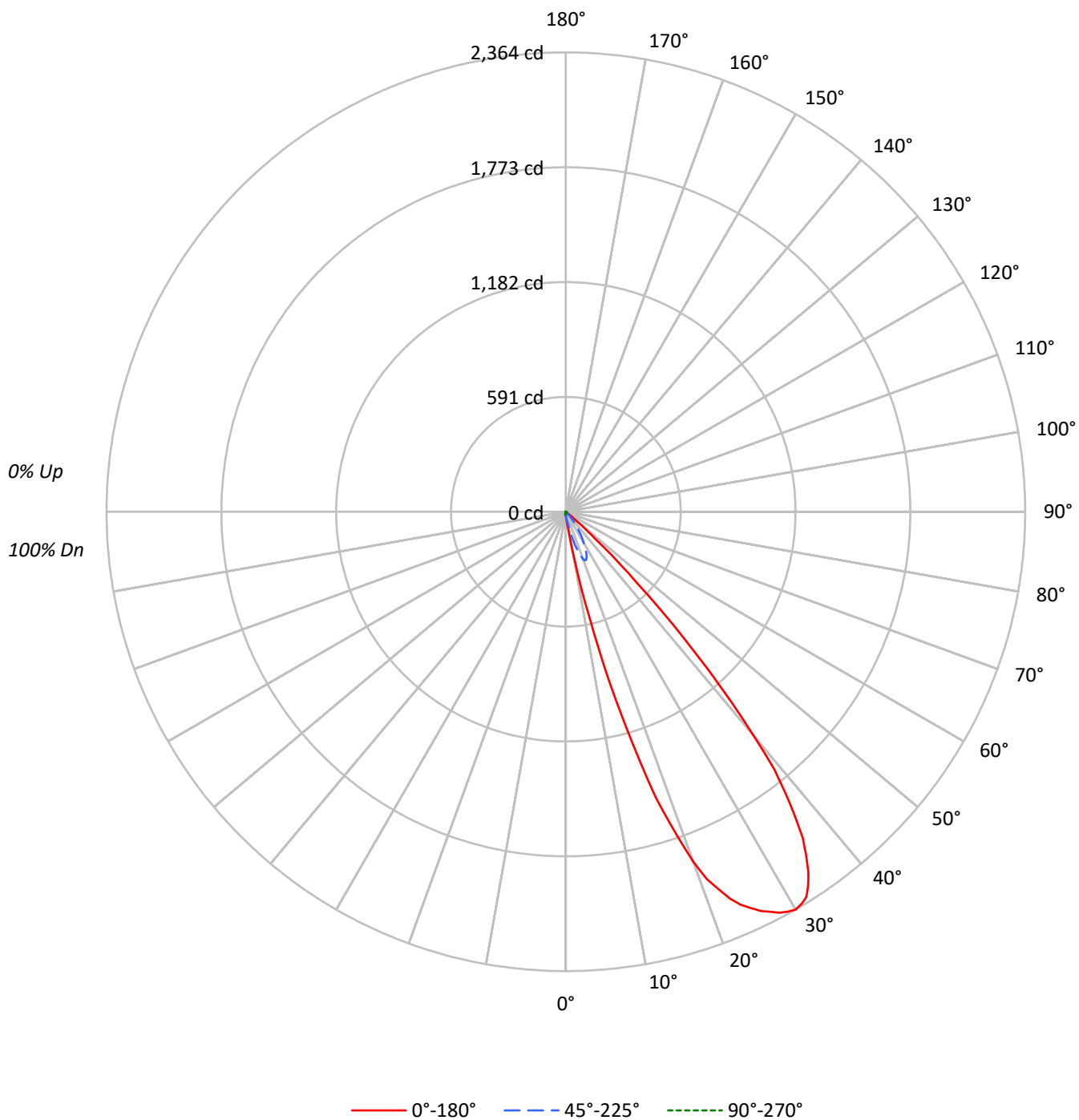
Lumens per Lamp: N/A
Luminaire Lumens: 472.9 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4451	4451	4451	4451	4451
5°	11182	8254	4182	2135	1651
10°	48830	14050	3429	980	690
15°	232237	37866	2406	409	295
20°	447036	60649	1540	93	93
25°	544459	61189	847	0	0
30°	598598	46817	329	0	0
35°	576850	29767	107	0	0
40°	431036	12881	0	0	115
45°	159582	3411	124	124	403
50°	18831	443	307	307	614
55°	1873	0	344	497	841
60°	175	0	570	789	965
65°	208	208	934	1141	1349
70°	256	256	1154	1154	1667
75°	339	339	1101	1101	1525
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 159582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.6
10°-20°	55.1	11.7
20°-30°	173.1	36.6
30°-40°	182.2	38.5
40°-50°	53.5	11.3
50°-60°	2.9	0.6
60°-70°	1.4	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	231.2	48.9
0°-40°	413.4	87.4
0°-60°	469.8	99.3
0°-90°	472.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	51	38	19	10	8	9
15°	1023	167	11	2	1	322
25°	2250	253	4	0	0	1032
35°	2155	111	0	0	0	1300
45°	515	11	0	0	1	468
55°	5	0	1	1	2	12
65°	0	0	2	2	3	0
75°	0	0	1	1	2	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°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
2.5°	31.3	31.8	30.5	31.3	30.5	30.0	29.6	27.4	23.8	20.3	16.8
5°	50.8	50.8	48.5	48.1	47.2	45.5	43.7	37.5	26.9	19.0	13.2
7.5°	79.4	79.0	78.1	75.9	71.5	67.1	62.7	49.0	29.6	17.7	10.2
10°	219.3	216.2	212.3	188.4	161.5	137.7	116.9	63.1	31.8	15.4	7.5
12.5°	545.0	527.4	485.4	437.8	376.9	312.9	250.2	102.8	32.7	12.8	5.3
15°	1023.0	986.3	921.0	825.7	701.2	561.4	442.2	166.8	31.8	10.6	4.0
17.5°	1544.6	1509.3	1418.8	1274.1	1090.9	876.0	665.1	221.1	29.6	8.8	2.6
20°	1915.7	1878.2	1793.5	1639.9	1441.8	1155.4	875.6	259.9	27.8	6.6	1.3
21°	2024.3	1986.8	1897.2	1748.9	1540.6	1253.3	943.1	266.6	26.5	5.7	0.9
22°	2093.2	2071.1	1974.9	1831.0	1618.7	1331.9	1000.9	269.6	25.6	5.3	0.9
23°	2162.4	2129.3	2039.3	1887.5	1678.3	1390.1	1043.7	267.4	24.7	4.4	0.4
24°	2213.6	2185.8	2081.2	1931.2	1719.8	1425.9	1068.9	261.7	23.4	4.0	0.4
25°	2250.3	2224.7	2115.7	1960.8	1747.6	1445.3	1076.8	252.9	22.1	3.5	0.4
26°	2285.1	2257.3	2144.3	1978.0	1762.2	1451.5	1069.3	243.2	20.7	3.1	0.0
27°	2310.3	2282.0	2164.2	1988.1	1763.1	1444.0	1049.0	229.9	19.4	2.6	0.0
28°	2337.2	2304.5	2177.9	1993.9	1757.8	1426.3	1019.9	215.8	18.5	2.2	0.0
29°	2353.5	2322.6	2192.0	2000.0	1746.7	1396.8	977.5	199.0	16.3	1.3	0.0
30°	2364.1	2327.5	2190.7	1993.4	1732.2	1365.0	926.8	184.9	14.1	1.3	0.0
31°	2355.3	2316.9	2176.6	1974.9	1708.8	1323.5	874.7	167.3	11.5	0.9	0.0
32°	2336.3	2290.9	2151.9	1942.7	1666.8	1270.1	820.8	152.7	8.4	0.9	0.0
33°	2290.0	2251.6	2107.3	1899.4	1612.1	1197.7	750.7	138.6	5.7	0.4	0.0
34°	2231.7	2193.3	2046.4	1841.6	1538.9	1104.2	665.5	124.0	4.9	0.4	0.0
35°	2154.9	2117.0	1977.5	1760.8	1441.8	991.6	577.7	111.2	4.0	0.4	0.0
36°	2074.2	2023.9	1890.6	1674.8	1311.6	863.7	483.7	96.6	3.1	0.4	0.0
37°	1955.5	1921.5	1773.6	1543.7	1170.8	741.0	415.3	83.4	2.2	0.4	0.0
38°	1832.3	1801.0	1656.7	1411.8	1013.7	619.6	347.8	70.6	1.8	0.0	0.0
39°	1705.2	1653.2	1510.6	1242.7	849.1	519.0	292.6	59.1	0.9	0.0	0.0
40°	1505.8	1466.0	1313.8	1039.7	702.6	420.6	249.3	45.0	0.9	0.0	0.0
42.5°	998.3	961.2	801.4	564.0	373.4	245.8	164.6	17.7	0.0	0.4	0.0
45°	514.6	491.2	398.9	295.2	211.8	150.9	105.9	11.0	0.0	0.4	0.4
47.5°	204.3	200.4	180.9	156.2	120.5	89.6	57.8	4.9	0.0	0.4	0.4
50°	55.2	55.6	52.1	48.1	43.7	41.0	24.3	1.3	0.0	0.9	0.4
52.5°	23.4	23.8	22.9	21.6	19.4	14.6	9.7	0.4	0.4	0.9	0.9
55°	4.9	5.3	5.7	6.2	7.1	6.2	4.0	0.0	0.4	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.0	0.4	0.9	1.3
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9	1.3	1.3
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.8	1.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	0.9



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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	0.4	0.4	0.9	1.3	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
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°	20.3	20.3	20.3
2.5°	14.1	12.8	12.4
5°	9.7	8.4	7.5
7.5°	6.6	5.3	4.9
10°	4.4	3.5	3.1
12.5°	3.1	1.8	1.8
15°	1.8	1.3	1.3
17.5°	0.9	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.9
45°	0.4	0.9	1.3
47.5°	0.9	1.3	1.8
50°	0.9	1.8	1.8
52.5°	1.3	1.8	2.2
55°	1.3	2.2	2.2
57.5°	1.8	2.2	2.6
60°	1.8	2.2	2.2
62.5°	1.8	2.6	2.6
65°	2.2	2.6	2.6
67.5°	2.2	2.6	2.6
70°	1.8	2.2	2.6
72.5°	1.8	2.2	2.2
75°	1.3	1.8	1.8
77.5°	1.3	1.3	1.8
80°	0.9	1.3	1.3

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.9	0.9	0.9
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)