

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: P1337365

Luminaire Tested: P3A05R259040DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337365
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: P3A05R259040DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

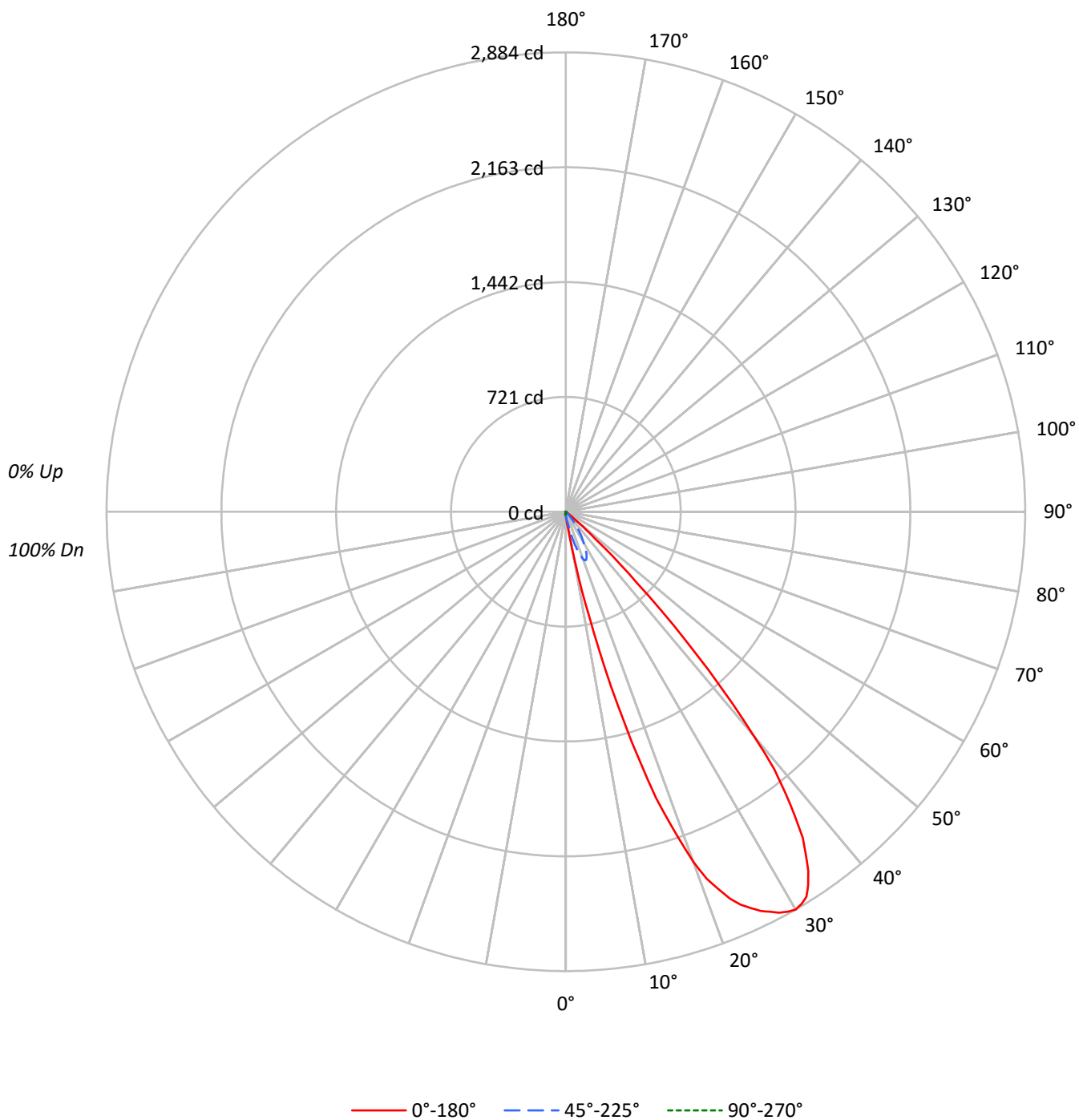
Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	5438	5438	5438	5438	5438
5°	13625	10081	5085	2597	2025
10°	59585	17145	4186	1202	846
15°	283293	46198	2929	499	363
20°	545347	73996	1890	117	117
25°	664151	74641	1040	0	0
30°	730214	57123	405	0	0
35°	703709	36326	134	0	0
40°	525785	15715	0	0	143
45°	194656	4186	155	155	496
50°	22959	546	375	375	751
55°	2256	0	421	612	1032
60°	219	0	702	965	1184
65°	259	259	1141	1401	1660
70°	321	321	1410	1410	2052
75°	424	424	1356	1356	1864
80°	0	631	2020	1389	2020
85°	0	1258	4026	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 194656 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.6
10°-20°	67.3	11.7
20°-30°	211.1	36.6
30°-40°	222.3	38.5
40°-50°	65.3	11.3
50°-60°	3.5	0.6
60°-70°	1.7	0.3
70°-80°	1.5	0.3
80°-90°	0.8	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°	282.0	48.9
0°-40°	504.3	87.4
0°-60°	573.1	99.3
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	62	46	23	12	9	11
15°	1248	204	13	2	2	393
25°	2745	308	4	0	0	1259
35°	2629	136	0	0	0	1586
45°	628	14	0	0	2	570
55°	6	0	1	2	3	15
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°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
2.5°	38.2	38.8	37.1	38.2	37.1	36.6	36.1	33.4	29.1	24.8	20.5
5°	61.9	61.9	59.2	58.7	57.6	55.4	53.3	45.8	32.8	23.1	16.2
7.5°	96.9	96.4	95.3	92.6	87.2	81.8	76.4	59.8	36.1	21.5	12.4
10°	267.6	263.8	258.9	229.9	197.0	168.0	142.7	77.0	38.8	18.8	9.2
12.5°	664.9	643.3	592.2	534.0	459.7	381.7	305.2	125.4	39.8	15.6	6.5
15°	1247.9	1203.2	1123.5	1007.2	855.4	684.8	539.4	203.5	38.8	12.9	4.8
17.5°	1884.2	1841.2	1730.8	1554.2	1330.8	1068.6	811.3	269.7	36.1	10.8	3.2
20°	2337.0	2291.2	2187.8	2000.5	1758.8	1409.4	1068.1	317.1	33.9	8.1	1.6
21°	2469.4	2423.6	2314.4	2133.5	1879.4	1528.9	1150.5	325.2	32.3	7.0	1.1
22°	2553.4	2526.5	2409.1	2233.6	1974.7	1624.7	1221.0	328.9	31.2	6.5	1.1
23°	2637.9	2597.5	2487.7	2302.5	2047.3	1695.8	1273.2	326.2	30.1	5.4	0.5
24°	2700.4	2666.4	2538.9	2355.8	2097.9	1739.4	1303.9	319.2	28.5	4.8	0.5
25°	2745.0	2713.8	2580.8	2391.9	2131.9	1763.1	1313.6	308.5	26.9	4.3	0.5
26°	2787.6	2753.7	2615.8	2412.9	2149.6	1770.6	1304.4	296.6	25.3	3.8	0.0
27°	2818.3	2783.8	2640.1	2425.3	2150.7	1761.5	1279.7	280.5	23.7	3.2	0.0
28°	2851.1	2811.3	2656.7	2432.3	2144.2	1739.9	1244.1	263.3	22.6	2.7	0.0
29°	2871.0	2833.3	2674.0	2439.8	2130.8	1703.9	1192.4	242.8	19.9	1.6	0.0
30°	2883.9	2839.2	2672.4	2431.7	2113.0	1665.1	1130.5	225.6	17.2	1.6	0.0
31°	2873.2	2826.3	2655.1	2409.1	2084.5	1614.5	1067.0	204.0	14.0	1.1	0.0
32°	2850.0	2794.6	2625.0	2369.8	2033.3	1549.4	1001.3	186.3	10.2	1.1	0.0
33°	2793.5	2746.7	2570.6	2317.1	1966.6	1461.1	915.7	169.0	7.0	0.5	0.0
34°	2722.4	2675.6	2496.3	2246.5	1877.2	1346.9	811.8	151.3	5.9	0.5	0.0
35°	2628.8	2582.5	2412.3	2148.0	1758.8	1209.7	704.7	135.7	4.8	0.5	0.0
36°	2530.2	2468.9	2306.3	2043.0	1600.0	1053.5	590.0	117.9	3.8	0.5	0.0
37°	2385.4	2344.0	2163.6	1883.1	1428.2	903.9	506.6	101.7	2.7	0.5	0.0
38°	2235.2	2197.0	2021.0	1722.2	1236.6	755.8	424.2	86.1	2.2	0.0	0.0
39°	2080.2	2016.7	1842.8	1516.0	1035.8	633.1	356.9	72.1	1.1	0.0	0.0
40°	1836.8	1788.4	1602.7	1268.3	857.1	513.0	304.2	54.9	1.1	0.0	0.0
42.5°	1217.7	1172.5	977.6	688.0	455.4	299.9	200.8	21.5	0.0	0.5	0.0
45°	627.7	599.2	486.7	360.2	258.4	184.1	129.2	13.5	0.0	0.5	0.5
47.5°	249.3	244.4	220.7	190.6	147.0	109.3	70.5	5.9	0.0	0.5	0.5
50°	67.3	67.8	63.5	58.7	53.3	50.1	29.6	1.6	0.0	1.1	0.5
52.5°	28.5	29.1	28.0	26.4	23.7	17.8	11.8	0.5	0.5	1.1	1.1
55°	5.9	6.5	7.0	7.5	8.6	7.5	4.8	0.0	0.5	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.1	0.0	0.5	1.1	1.6
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.1	1.6	1.6
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.2
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	2.2	2.2
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.2	2.2
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.2	2.2
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.2	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1	1.6	1.1



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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	1.1	1.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.1
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°	24.8	24.8	24.8
2.5°	17.2	15.6	15.1
5°	11.8	10.2	9.2
7.5°	8.1	6.5	5.9
10°	5.4	4.3	3.8
12.5°	3.8	2.2	2.2
15°	2.2	1.6	1.6
17.5°	1.1	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	1.1
45°	0.5	1.1	1.6
47.5°	1.1	1.6	2.2
50°	1.1	2.2	2.2
52.5°	1.6	2.2	2.7
55°	1.6	2.7	2.7
57.5°	2.2	2.7	3.2
60°	2.2	2.7	2.7
62.5°	2.2	3.2	3.2
65°	2.7	3.2	3.2
67.5°	2.7	3.2	3.2
70°	2.2	2.7	3.2
72.5°	2.2	2.7	2.7
75°	1.6	2.2	2.2
77.5°	1.6	1.6	2.2
80°	1.1	1.6	1.6



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CATALOG NUMBER: P3A05R259040DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.1	1.1	1.1
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)