

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: P1345783

Luminaire Tested: P3A13R35W2N902750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35W2N902750DE010 E3CA301MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

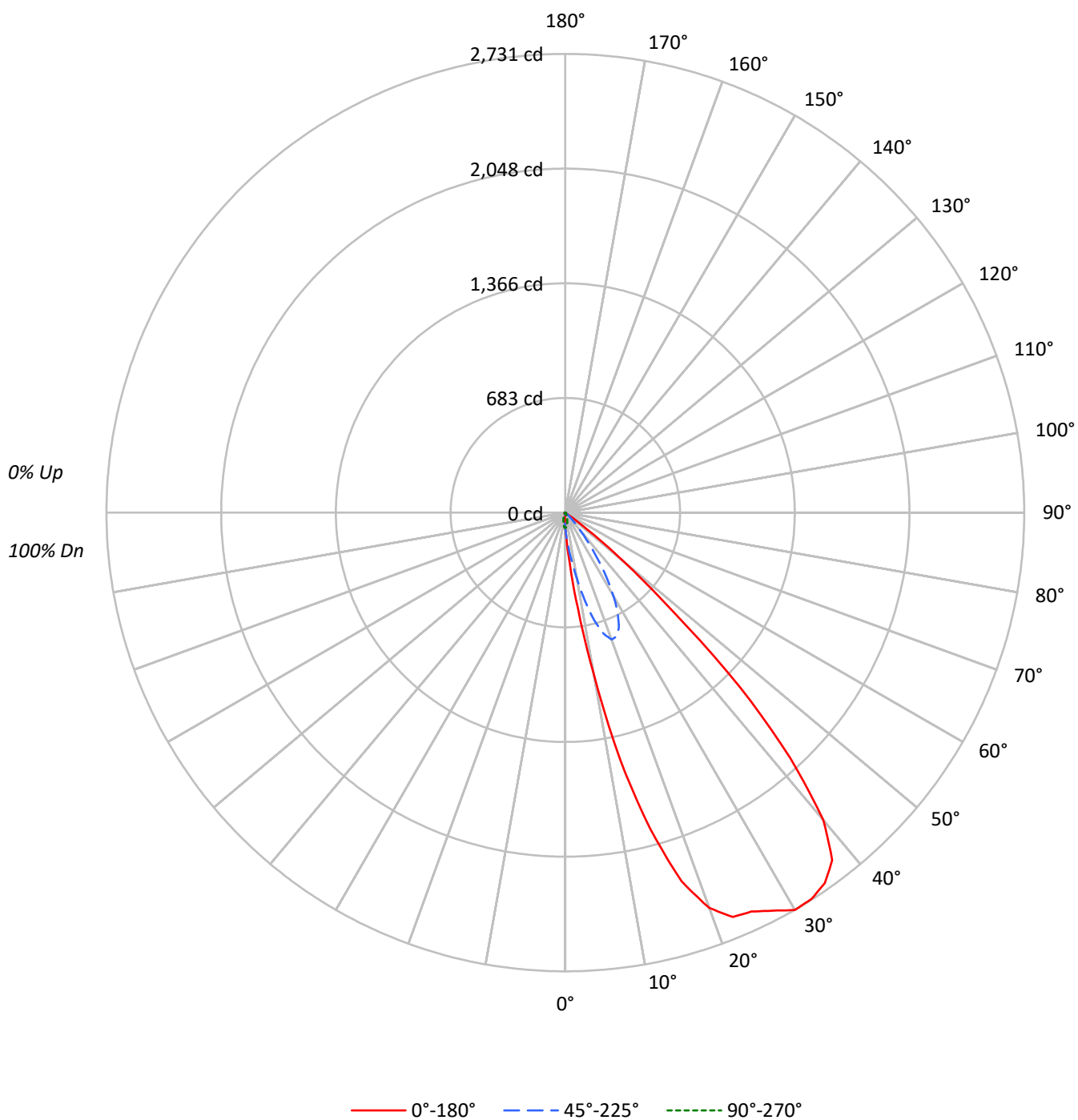
Lumens per Lamp: N/A
Luminaire Lumens: 859.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19779	19779	19779	19779	19779
5°	67378	43782	18490	7814	5767
10°	216852	88776	14584	2917	1893
15°	441819	150534	10329	1044	704
20°	584247	187500	6651	350	350
25°	633956	182285	3726	194	363
30°	691549	145263	1570	203	380
35°	720601	90400	402	214	402
40°	683795	39503	229	429	658
45°	456481	15785	248	713	1209
50°	153104	2627	512	1058	1569
55°	8564	306	573	1491	2064
60°	658	351	1009	1710	2368
65°	778	415	1193	2024	2802
70°	513	513	1475	2500	2949
75°	678	678	1949	2626	3304
80°	0	1010	2904	2904	2904
85°	0	2013	5787	2013	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 456481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	1.8
10°-20°	123.4	14.4
20°-30°	260.4	30.3
30°-40°	295.4	34.4
40°-50°	145.4	16.9
50°-60°	12.6	1.5
60°-70°	2.6	0.3
70°-80°	2.4	0.3
80°-90°	1.2	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°	399.4	46.5
0°-40°	694.9	80.9
0°-60°	852.9	99.3
0°-90°	859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	859.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	90	90	90	90	90	
5°	306	199	84	36	26	50
15°	1946	663	46	5	3	553
25°	2620	753	15	1	2	1219
35°	2692	338	2	1	2	1659
45°	1472	51	1	2	4	1088
55°	22	1	2	4	5	88
65°	2	1	2	4	5	1
75°	1	1	2	3	4	1
85°	0	1	2	1	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
2.5°	156.5	160.4	158.8	158.1	157.3	154.2	147.3	146.5	139.6	134.9	111.8
5°	306.1	300.0	301.5	293.0	282.2	266.8	256.8	235.2	217.4	198.9	130.3
7.5°	576.8	568.3	552.1	527.4	502.0	468.8	418.7	378.6	332.3	288.4	145.0
10°	973.9	969.3	948.4	885.2	829.7	741.0	657.7	569.8	483.5	398.7	155.0
12.5°	1504.4	1472.8	1435.0	1351.0	1241.5	1130.4	966.2	814.3	676.2	534.4	155.8
15°	1946.2	1926.2	1873.0	1763.5	1631.6	1471.2	1276.2	1071.8	863.6	663.1	148.0
17.5°	2301.7	2270.9	2202.2	2095.1	1943.2	1735.0	1506.7	1257.7	1004.0	754.9	134.9
20°	2503.7	2487.5	2435.1	2327.9	2162.1	1934.7	1674.8	1384.9	1091.9	803.5	118.0
22.5°	2605.5	2594.0	2555.4	2469.8	2314.8	2085.8	1788.2	1451.2	1117.3	798.1	100.2
25°	2620.2	2617.1	2583.9	2519.2	2389.6	2162.9	1837.5	1463.5	1096.5	753.4	83.3
27.5°	2671.1	2660.3	2620.9	2556.2	2425.9	2176.0	1820.5	1421.1	1029.4	674.7	69.4
30°	2731.2	2723.5	2684.2	2617.1	2462.9	2163.7	1760.4	1327.1	922.2	573.7	51.7
32.5°	2726.6	2723.5	2690.3	2619.4	2436.7	2091.2	1653.2	1185.9	776.5	452.6	32.4
35°	2691.9	2681.1	2639.4	2530.0	2287.1	1904.6	1449.7	994.7	614.6	337.7	20.8
37.5°	2608.6	2585.5	2515.3	2329.5	2019.5	1617.0	1180.5	768.0	434.9	225.9	13.1
40°	2388.8	2359.5	2218.4	1994.0	1669.4	1273.8	878.3	528.2	286.8	138.0	5.4
42.5°	1981.7	1922.3	1781.2	1550.7	1246.1	900.6	576.8	342.4	168.9	83.3	1.5
45°	1472.0	1426.5	1278.5	1069.5	816.6	577.5	349.3	185.1	93.3	50.9	0.8
47.5°	857.5	829.7	753.4	616.1	451.1	303.0	178.9	99.5	54.7	24.7	0.8
50°	448.8	414.1	356.2	269.9	198.9	139.6	87.1	53.2	27.0	7.7	0.8
52.5°	157.3	155.0	141.1	106.4	86.4	62.5	42.4	23.1	7.7	1.5	0.8
55°	22.4	22.4	20.8	23.1	24.7	22.4	14.7	6.2	1.5	0.8	0.8
57.5°	1.5	1.5	1.5	2.3	3.1	3.1	2.3	0.8	0.8	0.8	1.5
60°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
62.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
65°	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
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):

	90°	112.5°	135°	157.5°	180°
0°	90.2	90.2	90.2	90.2	90.2
2.5°	89.4	71.7	57.1	50.1	47.8
5°	84.0	54.0	35.5	27.8	26.2
7.5°	74.8	38.6	21.6	15.4	14.7
10°	65.5	27.8	13.1	9.3	8.5
12.5°	54.7	19.3	8.5	5.4	4.6
15°	45.5	13.1	4.6	3.9	3.1
17.5°	36.2	8.5	3.1	2.3	3.1
20°	28.5	5.4	1.5	1.5	1.5
22.5°	21.6	3.1	1.5	1.5	1.5
25°	15.4	1.5	0.8	0.8	1.5
27.5°	10.8	0.8	0.8	0.8	1.5
30°	6.2	0.8	0.8	0.8	1.5
32.5°	3.1	0.8	0.8	1.5	1.5
35°	1.5	0.8	0.8	1.5	1.5
37.5°	0.8	0.8	0.8	1.5	2.3
40°	0.8	0.8	1.5	2.3	2.3
42.5°	0.8	0.8	1.5	2.3	3.1
45°	0.8	1.5	2.3	3.1	3.9
47.5°	1.5	1.5	3.1	3.9	4.6
50°	1.5	2.3	3.1	4.6	4.6
52.5°	1.5	2.3	3.9	4.6	5.4
55°	1.5	3.1	3.9	5.4	5.4
57.5°	2.3	3.1	3.9	5.4	5.4
60°	2.3	3.1	3.9	5.4	5.4
62.5°	2.3	3.1	3.9	5.4	5.4
65°	2.3	3.1	3.9	5.4	5.4
67.5°	2.3	3.1	3.9	4.6	5.4
70°	2.3	3.1	3.9	4.6	4.6
72.5°	3.1	3.1	3.9	4.6	4.6
75°	2.3	3.1	3.1	3.9	3.9
77.5°	2.3	2.3	2.3	3.1	3.1
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	1.5	1.5	2.3	2.3
85°	2.3	1.5	0.8	1.5	1.5
87.5°	1.5	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)