

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: P1345871

Luminaire Tested: P3A13R35W2N902765DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345871
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: P3A13R35W2N902765DE010 E3CA301MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

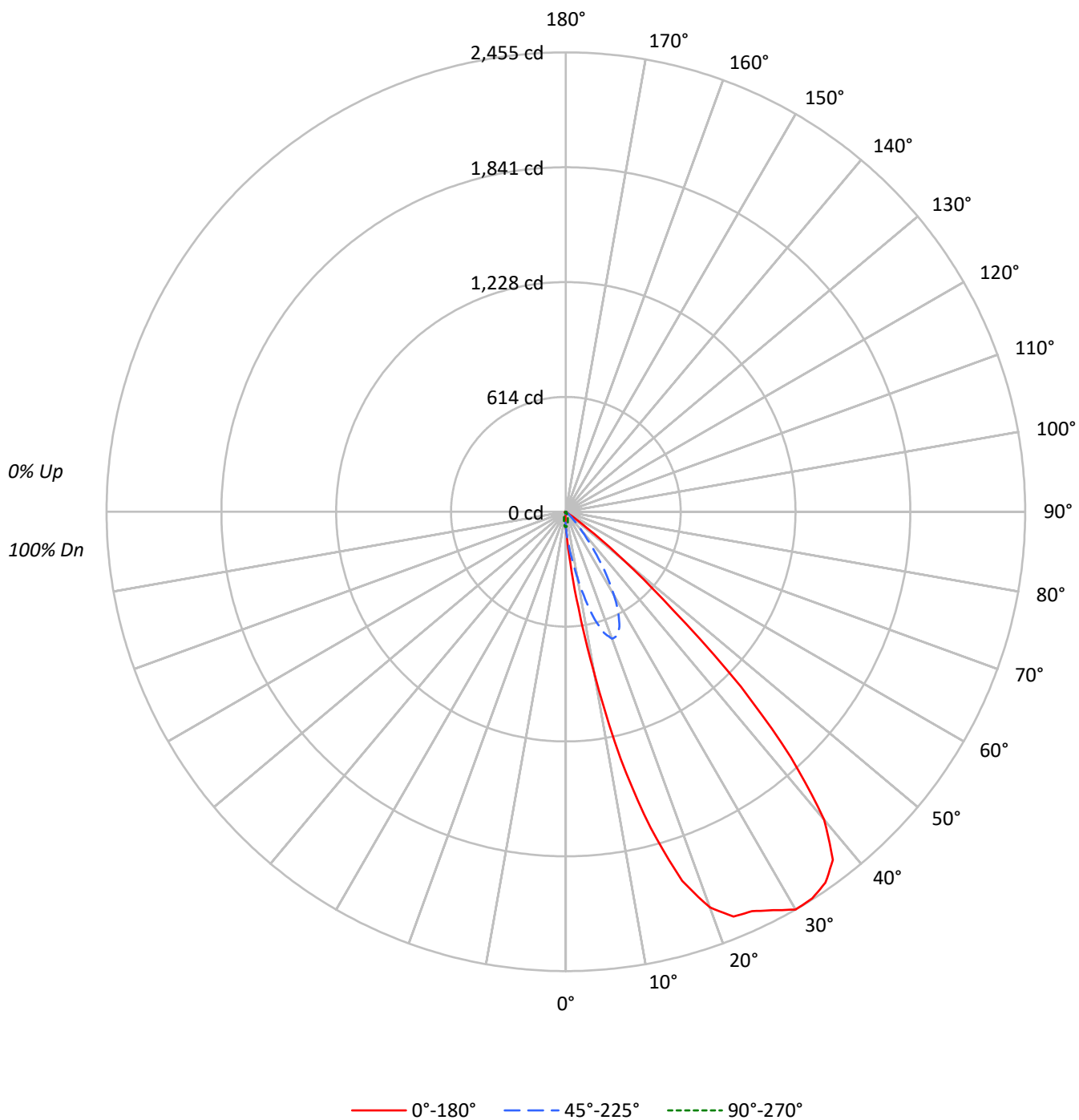
Lumens per Lamp: N/A
Luminaire Lumens: 772.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	17784	17784	17784	17784	17784
5°	60555	39357	16619	7022	5195
10°	194897	79780	13115	2627	1692
15°	397074	135302	9285	953	636
20°	525092	168505	5974	327	327
25°	569743	163824	3363	169	339
30°	621513	130552	1393	177	354
35°	647601	81245	375	187	375
40°	614551	35495	200	401	601
45°	410244	14172	217	651	1085
50°	137582	2354	478	955	1433
55°	7684	268	535	1338	1873
60°	614	307	921	1535	2149
65°	726	363	1090	1816	2542
70°	449	449	1346	2244	2693
75°	593	593	1779	2372	2965
80°	0	884	2652	2652	2652
85°	0	1761	5284	1761	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 410244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	1.8
10°-20°	110.9	14.4
20°-30°	234.0	30.3
30°-40°	265.5	34.4
40°-50°	130.7	16.9
50°-60°	11.3	1.5
60°-70°	2.3	0.3
70°-80°	2.2	0.3
80°-90°	1.1	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°	359.0	46.5
0°-40°	624.5	80.9
0°-60°	766.5	99.3
0°-90°	772.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	81	81	81	81	81	
5°	275	179	76	32	24	45
15°	1749	596	41	4	3	497
25°	2355	677	14	1	1	1096
35°	2419	304	1	1	1	1491
45°	1323	46	1	2	4	977
55°	20	1	1	4	5	79
65°	1	1	2	4	5	1
75°	1	1	2	3	4	0
85°	0	1	2	1	1	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°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	140.7	144.1	142.8	142.1	141.4	138.6	132.4	131.7	125.4	121.3	100.5
5°	275.1	269.6	271.0	263.3	253.6	239.8	230.8	211.4	195.4	178.8	117.1
7.5°	518.4	510.7	496.2	474.0	451.1	421.3	376.3	340.3	298.7	259.2	130.3
10°	875.3	871.1	852.4	795.6	745.7	666.0	591.1	512.1	434.5	358.3	139.3
12.5°	1352.0	1323.6	1289.7	1214.1	1115.7	1015.9	868.3	731.8	607.8	480.2	140.0
15°	1749.1	1731.1	1683.3	1584.9	1466.4	1322.2	1146.9	963.3	776.2	596.0	133.1
17.5°	2068.6	2040.9	1979.2	1882.9	1746.3	1559.2	1354.1	1130.3	902.3	678.4	121.3
20°	2250.2	2235.6	2188.5	2092.2	1943.2	1738.7	1505.2	1244.6	981.3	722.1	106.0
22.5°	2341.6	2331.2	2296.6	2219.7	2080.4	1874.6	1607.1	1304.2	1004.2	717.3	90.1
25°	2354.8	2352.0	2322.2	2264.0	2147.6	1943.9	1651.4	1315.3	985.4	677.1	74.8
27.5°	2400.5	2390.8	2355.5	2297.3	2180.2	1955.6	1636.2	1277.2	925.1	606.4	62.4
30°	2454.6	2447.7	2412.3	2352.0	2213.4	1944.5	1582.1	1192.6	828.8	515.6	46.4
32.5°	2450.4	2447.7	2417.9	2354.1	2189.9	1879.4	1485.8	1065.8	697.8	406.8	29.1
35°	2419.2	2409.5	2372.1	2273.7	2055.4	1711.7	1302.8	894.0	552.3	303.5	18.7
37.5°	2344.4	2323.6	2260.6	2093.5	1815.0	1453.2	1061.0	690.2	390.8	203.0	11.8
40°	2146.9	2120.6	1993.7	1792.1	1500.3	1144.8	789.3	474.7	257.8	124.0	4.9
42.5°	1781.0	1727.6	1600.8	1393.6	1119.9	809.4	518.4	307.7	151.8	74.8	1.4
45°	1322.9	1282.0	1149.0	961.2	733.9	519.1	313.9	166.3	83.9	45.7	0.7
47.5°	770.6	745.7	677.1	553.7	405.4	272.3	160.8	89.4	49.2	22.2	0.7
50°	403.3	372.1	320.2	242.5	178.8	125.4	78.3	47.8	24.3	6.9	0.7
52.5°	141.4	139.3	126.8	95.6	77.6	56.1	38.1	20.8	6.9	1.4	0.7
55°	20.1	20.1	18.7	20.8	22.2	20.1	13.2	5.5	1.4	0.7	0.7
57.5°	1.4	1.4	1.4	2.1	2.8	2.8	2.1	0.7	0.7	0.7	1.4
60°	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
62.5°	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
65°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
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°	81.1	81.1	81.1	81.1	81.1
2.5°	80.4	64.4	51.3	45.0	43.0
5°	75.5	48.5	31.9	24.9	23.6
7.5°	67.2	34.6	19.4	13.9	13.2
10°	58.9	24.9	11.8	8.3	7.6
12.5°	49.2	17.3	7.6	4.9	4.2
15°	40.9	11.8	4.2	3.5	2.8
17.5°	32.6	7.6	2.8	2.1	2.8
20°	25.6	4.9	1.4	1.4	1.4
22.5°	19.4	2.8	1.4	1.4	1.4
25°	13.9	1.4	0.7	0.7	1.4
27.5°	9.7	0.7	0.7	0.7	1.4
30°	5.5	0.7	0.7	0.7	1.4
32.5°	2.8	0.7	0.7	1.4	1.4
35°	1.4	0.7	0.7	1.4	1.4
37.5°	0.7	0.7	0.7	1.4	2.1
40°	0.7	0.7	1.4	2.1	2.1
42.5°	0.7	0.7	1.4	2.1	2.8
45°	0.7	1.4	2.1	2.8	3.5
47.5°	1.4	1.4	2.8	3.5	4.2
50°	1.4	2.1	2.8	4.2	4.2
52.5°	1.4	2.1	3.5	4.2	4.9
55°	1.4	2.8	3.5	4.9	4.9
57.5°	2.1	2.8	3.5	4.9	4.9
60°	2.1	2.8	3.5	4.9	4.9
62.5°	2.1	2.8	3.5	4.9	4.9
65°	2.1	2.8	3.5	4.9	4.9
67.5°	2.1	2.8	3.5	4.2	4.9
70°	2.1	2.8	3.5	4.2	4.2
72.5°	2.8	2.8	3.5	4.2	4.2
75°	2.1	2.8	2.8	3.5	3.5
77.5°	2.1	2.1	2.1	2.8	2.8
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	1.4	1.4	2.1	2.1
85°	2.1	1.4	0.7	1.4	1.4
87.5°	1.4	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)