

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: P1344915

Luminaire Tested: P3A13R309030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

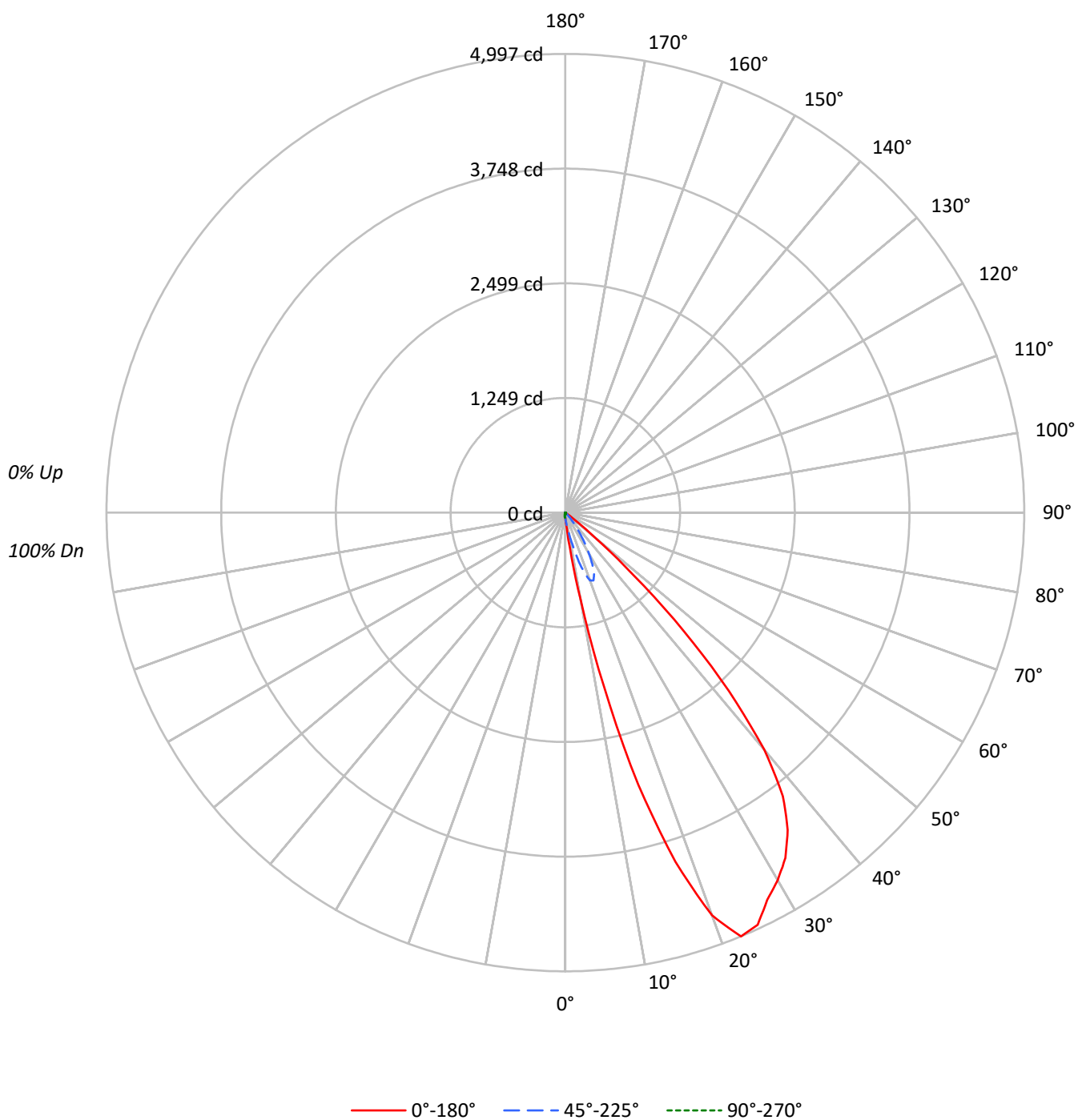
Lumens per Lamp: N/A
Luminaire Lumens: 1178.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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

TEST NUMBER: P1344915

CATALOG NUMBER: P3A13R309030D2WDE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1344915

CATALOG NUMBER: P3A13R309030D2WDE010 E3CA301MW

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	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12280	12280	12280	12280	12280
5°	36958	24631	11600	5217	4270
10°	214024	52259	9107	2405	1670
15°	696190	118525	6356	499	250
20°	1089388	183369	4014	0	0
25°	1198545	179188	2081	0	0
30°	1170610	129184	810	0	0
35°	1129849	73482	294	0	0
40°	963519	31115	0	0	0
45°	565485	11691	341	0	341
50°	137343	2217	375	375	1092
55°	11928	0	841	1223	1644
60°	482	0	965	1403	2368
65°	571	571	1660	1660	2802
70°	705	705	2052	2052	2757
75°	0	932	2711	2711	2711
80°	0	1389	4041	2778	2778
85°	0	2768	8051	2768	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 565485 cd/sqm

TEST NUMBER: P1344915

CATALOG NUMBER: P3A13R309030D2WDE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.9
10°-20°	161.9	13.7
20°-30°	411.4	34.9
30°-40°	410.1	34.8
40°-50°	166.1	14.1
50°-60°	11.5	1.0
60°-70°	2.6	0.2
70°-80°	2.6	0.2
80°-90°	1.5	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°	583.6	49.5
0°-40°	993.7	84.4
0°-60°	1171.3	99.4
0°-90°	1178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1178.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	168	112	53	24	19	39
15°	3067	522	28	2	1	892
25°	4954	741	9	0	0	2237
35°	4221	274	1	0	0	2587
45°	1824	38	1	0	1	1391
55°	31	0	2	3	4	82
65°	1	1	3	3	5	1
75°	0	1	3	3	3	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1344915

CATALOG NUMBER: P3A13R309030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2.5°	92.6	93.6	93.6	91.5	90.4	90.4	87.2	86.1	82.9	79.7	68.9
5°	167.9	164.7	160.4	160.4	150.7	145.3	137.8	129.2	122.7	111.9	79.7
7.5°	381.1	355.2	347.7	338.0	301.4	272.3	239.0	209.9	183.0	160.4	88.3
10°	961.2	910.7	868.7	783.6	677.1	574.8	480.1	370.3	294.9	234.7	94.7
12.5°	1936.5	1868.7	1787.9	1632.9	1433.8	1178.7	952.6	711.5	499.5	345.5	96.9
15°	3066.7	2951.5	2825.6	2628.6	2302.5	1936.5	1528.5	1144.2	801.9	522.1	94.7
17.5°	3988.1	3942.9	3756.7	3487.6	3088.3	2616.8	2114.1	1588.8	1081.8	683.5	88.3
20°	4668.4	4637.2	4412.3	4125.9	3676.0	3135.6	2497.3	1866.5	1276.6	785.8	78.6
22.5°	4996.8	4991.4	4828.8	4536.0	4059.2	3446.7	2743.8	2026.9	1336.9	799.8	65.7
25°	4953.7	4973.1	4880.5	4663.1	4205.6	3574.8	2817.0	2026.9	1292.8	740.6	54.9
27.5°	4757.8	4770.7	4712.6	4545.7	4119.5	3482.2	2714.7	1896.7	1164.7	636.2	45.2
30°	4623.2	4628.6	4556.5	4377.8	3925.7	3271.2	2473.6	1655.5	970.9	510.2	33.4
32.5°	4459.6	4458.5	4374.6	4170.1	3671.7	2975.2	2167.9	1368.1	746.0	387.5	19.4
35°	4220.7	4193.7	4079.6	3843.9	3292.8	2577.0	1777.2	1042.0	537.1	274.5	11.8
37.5°	3892.3	3822.4	3660.9	3345.5	2761.0	2020.4	1317.5	732.0	367.1	181.9	7.5
40°	3366.0	3291.7	3072.1	2688.9	2088.3	1454.2	888.0	476.9	231.4	108.7	4.3
42.5°	2639.4	2588.8	2292.8	1910.6	1378.9	927.9	533.9	282.0	130.2	62.4	1.1
45°	1823.5	1757.8	1525.3	1201.3	827.8	514.5	299.2	147.5	74.3	37.7	0.0
47.5°	1006.5	925.7	791.2	622.2	416.6	270.2	150.7	79.7	42.0	18.3	0.0
50°	402.6	399.4	317.5	226.0	159.3	122.7	75.3	43.1	21.5	6.5	1.1
52.5°	141.0	141.0	121.6	99.0	77.5	56.0	37.7	20.5	7.5	2.2	1.1
55°	31.2	34.4	32.3	30.1	29.1	24.8	16.1	7.5	2.2	0.0	1.1
57.5°	3.2	3.2	3.2	4.3	5.4	5.4	4.3	2.2	0.0	0.0	1.1
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2
62.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	2.2
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
75°	0.0	0.0	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	3.2
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1344915

CATALOG NUMBER: P3A13R309030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	56.0	56.0	56.0	56.0	56.0
2.5°	56.0	44.1	36.6	32.3	31.2
5°	52.7	33.4	23.7	20.5	19.4
7.5°	47.4	24.8	16.1	12.9	11.8
10°	40.9	18.3	10.8	7.5	7.5
12.5°	34.4	14.0	6.5	3.2	2.2
15°	28.0	8.6	2.2	1.1	1.1
17.5°	21.5	5.4	0.0	0.0	0.0
20°	17.2	2.2	0.0	0.0	0.0
22.5°	12.9	1.1	0.0	0.0	0.0
25°	8.6	0.0	0.0	0.0	0.0
27.5°	5.4	0.0	0.0	0.0	0.0
30°	3.2	0.0	0.0	0.0	0.0
32.5°	1.1	0.0	0.0	0.0	0.0
35°	1.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.1	0.0	0.0	1.1	1.1
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	2.2	3.2
52.5°	2.2	1.1	2.2	3.2	3.2
55°	2.2	2.2	3.2	4.3	4.3
57.5°	2.2	2.2	3.2	4.3	4.3
60°	2.2	2.2	3.2	4.3	5.4
62.5°	3.2	3.2	3.2	4.3	4.3
65°	3.2	3.2	3.2	4.3	5.4
67.5°	3.2	3.2	3.2	4.3	5.4
70°	3.2	3.2	3.2	4.3	4.3
72.5°	4.3	3.2	3.2	4.3	4.3
75°	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	2.2	3.2	3.2
80°	3.2	2.2	2.2	2.2	2.2
82.5°	3.2	2.2	2.2	2.2	2.2
85°	3.2	2.2	1.1	1.1	1.1
87.5°	3.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)