

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: P1344471

Luminaire Tested: P3A13R259050DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344471
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: P3A13R259050DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

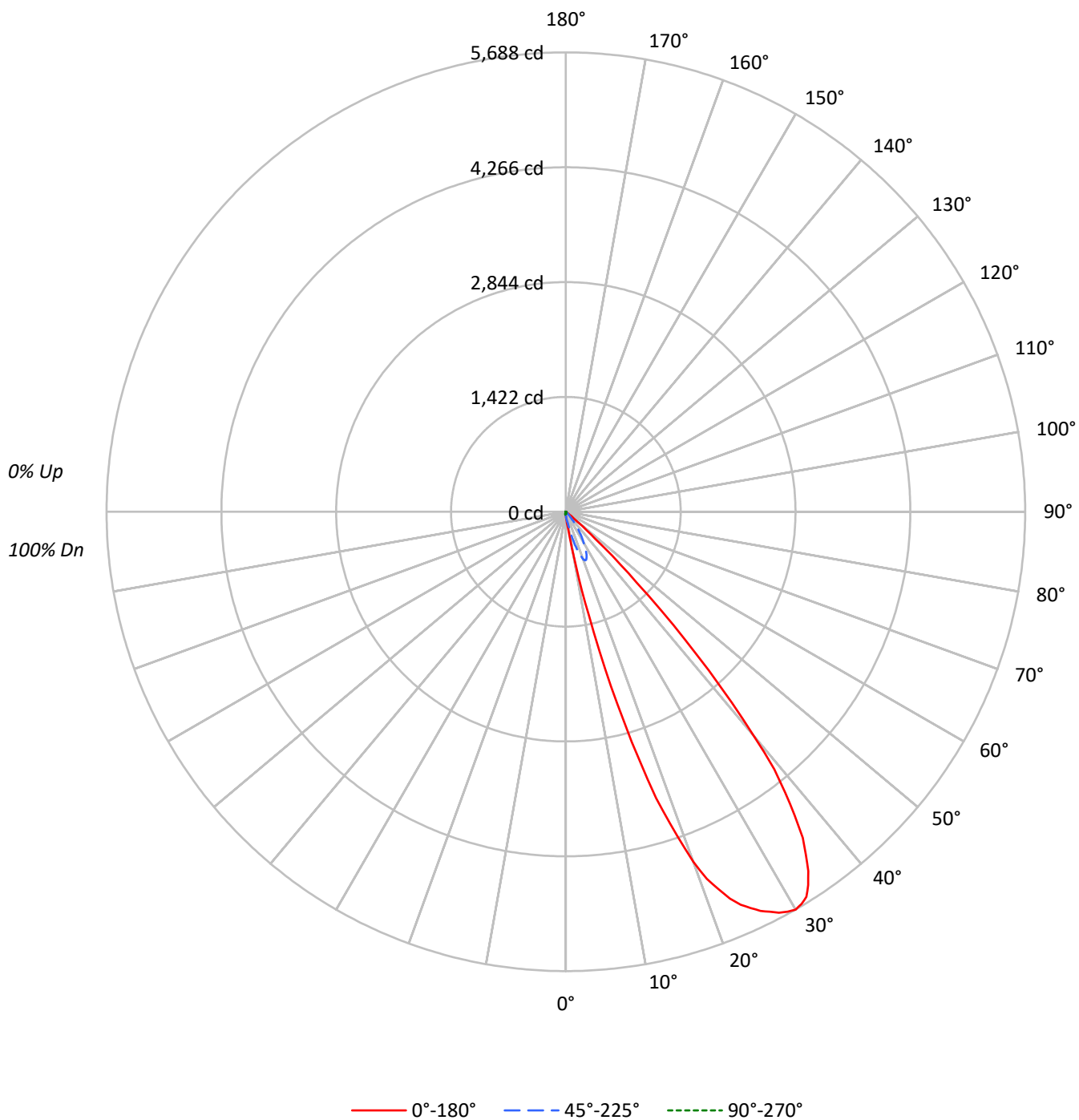
Lumens per Lamp: N/A
Luminaire Lumens: 1138.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1344471

CATALOG NUMBER: P3A13R259050DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1344471

CATALOG NUMBER: P3A13R259050DE010 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
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	103	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°	10701	10701	10701	10701	10701
5°	26876	19877	10059	5151	3984
10°	117499	33800	8283	2360	1648
15°	558732	91102	5789	953	726
20°	1075550	145939	3710	257	257
25°	1309914	147202	2057	0	0
30°	1440196	112650	810	0	0
35°	1387877	71634	294	0	0
40°	1037029	31001	0	0	315
45°	383916	8218	341	341	992
50°	45269	1092	716	716	1433
55°	4473	0	803	1223	2026
60°	482	0	1403	1842	2324
65°	571	571	2179	2750	3321
70°	705	705	2693	2693	4103
75°	932	932	2711	2711	3558
80°	0	1389	4041	2652	4041
85°	0	2768	8051	2768	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 383916 cd/sqm

TEST NUMBER: P1344471

CATALOG NUMBER: P3A13R259050DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.6
10°-20°	132.7	11.7
20°-30°	416.4	36.6
30°-40°	438.4	38.5
40°-50°	128.8	11.3
50°-60°	6.9	0.6
60°-70°	3.4	0.3
70°-80°	2.9	0.3
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°	556.2	48.9
0°-40°	994.6	87.4
0°-60°	1130.3	99.3
0°-90°	1138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	122	90	46	23	18	22
15°	2461	401	26	4	3	776
25°	5414	608	8	0	0	2483
35°	5185	268	1	0	0	3129
45°	1238	26	1	1	3	1125
55°	12	0	2	3	5	30
65°	1	1	4	5	6	1
75°	1	1	3	3	4	1
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1344471

CATALOG NUMBER: P3A13R259050DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
2.5°	75.4	76.4	73.3	75.4	73.3	72.2	71.1	65.8	57.3	48.8	40.3
5°	122.1	122.1	116.8	115.7	113.6	109.4	105.1	90.3	64.8	45.7	31.9
7.5°	191.1	190.1	187.9	182.6	172.0	161.4	150.8	117.9	71.1	42.5	24.4
10°	527.7	520.3	510.7	453.4	388.6	331.3	281.4	151.8	76.4	37.2	18.1
12.5°	1311.3	1268.8	1167.9	1053.3	906.8	752.8	602.0	247.4	78.6	30.8	12.7
15°	2461.2	2373.1	2215.9	1986.6	1687.2	1350.6	1063.9	401.3	76.4	25.5	9.6
17.5°	3716.2	3631.2	3413.6	3065.3	2624.7	2107.6	1600.1	531.9	71.1	21.2	6.4
20°	4609.1	4518.9	4315.0	3945.5	3468.8	2779.7	2106.5	625.4	66.9	15.9	3.2
21°	4870.3	4780.1	4564.5	4207.8	3706.6	3015.4	2269.0	641.3	63.7	13.8	2.1
22°	5036.0	4982.9	4751.4	4405.3	3894.6	3204.4	2408.1	648.7	61.6	12.7	2.1
23°	5202.7	5123.0	4906.4	4541.2	4037.9	3344.6	2511.1	643.4	59.5	10.6	1.1
24°	5325.8	5258.9	5007.3	4646.3	4137.7	3430.6	2571.6	629.6	56.3	9.6	1.1
25°	5414.0	5352.4	5090.1	4717.4	4204.6	3477.3	2590.7	608.4	53.1	8.5	1.1
26°	5497.8	5430.9	5159.1	4758.8	4239.6	3492.2	2572.7	585.0	49.9	7.4	0.0
27°	5558.4	5490.4	5206.9	4783.3	4241.8	3474.1	2523.8	553.2	46.7	6.4	0.0
28°	5623.1	5544.6	5239.8	4797.1	4229.0	3431.6	2453.7	519.2	44.6	5.3	0.0
29°	5662.4	5588.1	5273.8	4811.9	4202.5	3360.5	2351.8	478.9	39.3	3.2	0.0
30°	5687.9	5599.8	5270.6	4796.0	4167.4	3284.0	2229.7	444.9	34.0	3.2	0.0
31°	5666.7	5574.3	5236.6	4751.4	4111.2	3184.2	2104.4	402.4	27.6	2.1	0.0
32°	5621.0	5511.6	5177.2	4673.9	4010.3	3055.8	1974.9	367.4	20.2	2.1	0.0
33°	5509.5	5417.1	5069.9	4569.9	3878.6	2881.6	1806.1	333.4	13.8	1.1	0.0
34°	5369.4	5277.0	4923.4	4430.8	3702.4	2656.5	1601.1	298.4	11.7	1.1	0.0
35°	5184.6	5093.3	4757.8	4236.5	3468.8	2385.8	1389.9	267.6	9.6	1.1	0.0
36°	4990.3	4869.3	4548.6	4029.4	3155.6	2077.9	1163.7	232.5	7.4	1.1	0.0
37°	4704.7	4622.9	4267.2	3714.1	2816.9	1782.7	999.1	200.7	5.3	1.1	0.0
38°	4408.5	4333.1	3985.9	3396.6	2438.9	1490.7	836.7	169.9	4.2	0.0	0.0
39°	4102.7	3977.4	3634.4	2989.9	2042.8	1248.6	704.0	142.3	2.1	0.0	0.0
40°	3622.8	3527.2	3160.9	2501.5	1690.3	1011.9	599.9	108.3	2.1	0.0	0.0
42.5°	2401.7	2312.5	1928.2	1356.9	898.3	591.4	396.0	42.5	0.0	1.1	0.0
45°	1238.0	1181.7	959.8	710.3	509.6	363.1	254.8	26.5	0.0	1.1	1.1
47.5°	491.6	482.0	435.3	375.9	289.9	215.5	139.1	11.7	0.0	1.1	1.1
50°	132.7	133.8	125.3	115.7	105.1	98.7	58.4	3.2	0.0	2.1	1.1
52.5°	56.3	57.3	55.2	52.0	46.7	35.0	23.4	1.1	1.1	2.1	2.1
55°	11.7	12.7	13.8	14.9	17.0	14.9	9.6	0.0	1.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	3.2	3.2	2.1	0.0	1.1	2.1	3.2
60°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.1	3.2	3.2
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	3.2	4.2
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	4.2	4.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.2	4.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.2	4.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.2	3.2
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	3.2	3.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.1	3.2	3.2
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.1	3.2	2.1



TEST NUMBER: P1344471

CATALOG NUMBER: P3A13R259050DE010 E3CA301MW

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	1.1	1.1	2.1	3.2	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2	2.1
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: P1344471

CATALOG NUMBER: P3A13R259050DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	48.8	48.8	48.8
2.5°	34.0	30.8	29.7
5°	23.4	20.2	18.1
7.5°	15.9	12.7	11.7
10°	10.6	8.5	7.4
12.5°	7.4	4.2	4.2
15°	4.2	3.2	3.2
17.5°	2.1	1.1	1.1
20°	1.1	1.1	1.1
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	1.1
39°	0.0	1.1	1.1
40°	0.0	1.1	1.1
42.5°	0.0	1.1	2.1
45°	1.1	2.1	3.2
47.5°	2.1	3.2	4.2
50°	2.1	4.2	4.2
52.5°	3.2	4.2	5.3
55°	3.2	5.3	5.3
57.5°	4.2	5.3	6.4
60°	4.2	5.3	5.3
62.5°	4.2	6.4	6.4
65°	5.3	6.4	6.4
67.5°	5.3	6.4	6.4
70°	4.2	5.3	6.4
72.5°	4.2	5.3	5.3
75°	3.2	4.2	4.2
77.5°	3.2	3.2	4.2
80°	2.1	3.2	3.2

TEST NUMBER: P1344471

CATALOG NUMBER: P3A13R259050DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.1	2.1	2.1
85°	1.1	1.1	1.1
87.5°	1.1	1.1	1.1
90°	0.0	0.0	0.0

(END OF REPORT)