

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: P1344415

Luminaire Tested: P3A13R259030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344415
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: P3A13R259030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

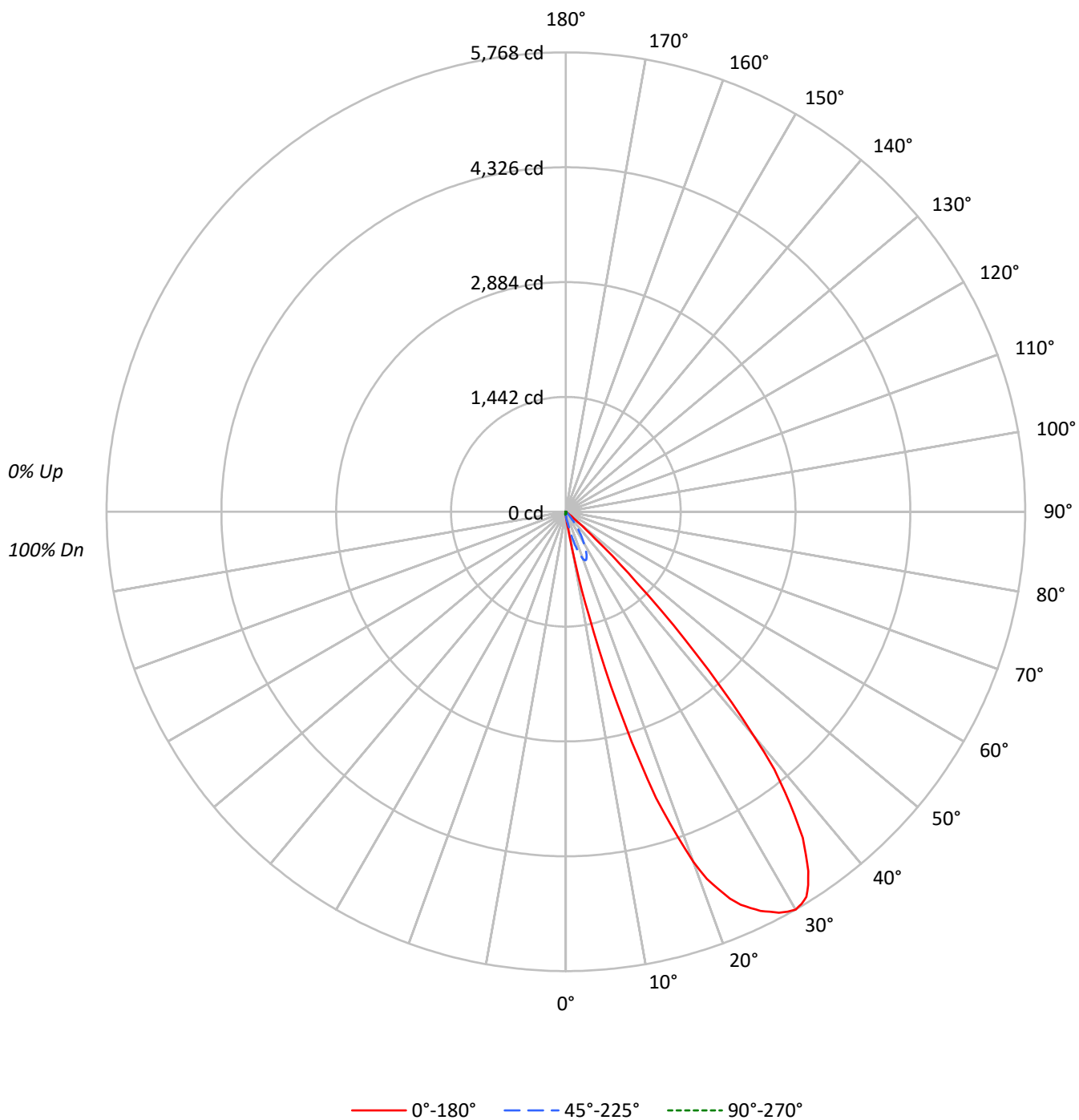
Lumens per Lamp: N/A
Luminaire Lumens: 1154.1 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1344415

CATALOG NUMBER: P3A13R259030D2WDE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1344415

CATALOG NUMBER: P3A13R259030D2WDE010 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°	10854	10854	10854	10854	10854
5°	27251	20141	10191	5217	4028
10°	119147	34290	8394	2405	1670
15°	566587	92396	5857	976	726
20°	1090671	147993	3780	257	257
25°	1328327	149259	2081	0	0
30°	1460453	114220	810	0	0
35°	1407392	72625	294	0	0
40°	1051599	31430	0	0	315
45°	389312	8342	341	341	992
50°	45917	1092	751	751	1467
55°	4511	0	841	1223	2064
60°	482	0	1403	1886	2368
65°	571	571	2231	2802	3373
70°	705	705	2757	2757	4167
75°	932	932	2711	2711	3643
80°	0	1389	4041	2778	4041
85°	0	2768	8051	2768	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 389312 cd/sqm

TEST NUMBER: P1344415

CATALOG NUMBER: P3A13R259030D2WDE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.6
10°-20°	134.5	11.7
20°-30°	422.3	36.6
30°-40°	444.5	38.5
40°-50°	130.6	11.3
50°-60°	7.0	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°	564.0	48.9
0°-40°	1008.6	87.4
0°-60°	1146.2	99.3
0°-90°	1154.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	124	92	46	24	18	22
15°	2496	407	26	4	3	787
25°	5490	617	9	0	0	2518
35°	5258	271	1	0	0	3173
45°	1255	27	1	1	3	1141
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: P1344415

CATALOG NUMBER: P3A13R259030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	76.4	77.5	74.3	76.4	74.3	73.2	72.1	66.8	58.1	49.5	40.9
5°	123.8	123.8	118.4	117.4	115.2	110.9	106.6	91.5	65.7	46.3	32.3
7.5°	193.8	192.7	190.6	185.2	174.4	163.7	152.9	119.5	72.1	43.1	24.8
10°	535.1	527.6	517.9	459.7	394.1	335.9	285.3	154.0	77.5	37.7	18.3
12.5°	1329.7	1286.7	1184.4	1068.1	919.5	763.4	610.5	250.9	79.7	31.2	12.9
15°	2495.8	2406.4	2247.1	2014.5	1710.9	1369.6	1078.9	407.0	77.5	25.8	9.7
17.5°	3768.4	3682.3	3461.6	3108.4	2661.6	2137.2	1622.6	539.4	72.1	21.5	6.5
20°	4673.9	4582.4	4375.7	4001.0	3517.6	2818.8	2136.2	634.2	67.8	16.2	3.2
21°	4938.8	4847.3	4628.7	4266.9	3758.7	3057.8	2300.9	650.3	64.6	14.0	2.2
22°	5106.8	5052.9	4818.2	4467.2	3949.3	3249.5	2441.9	657.9	62.4	12.9	2.2
23°	5275.8	5195.1	4975.4	4605.0	4094.7	3391.6	2546.4	652.5	60.3	10.8	1.1
24°	5400.7	5332.9	5077.7	4711.6	4195.9	3478.8	2607.8	638.5	57.1	9.7	1.1
25°	5490.1	5427.6	5161.7	4783.8	4263.7	3526.2	2627.1	616.9	53.8	8.6	1.1
26°	5575.1	5507.3	5231.7	4825.8	4299.2	3541.3	2608.8	593.3	50.6	7.5	0.0
27°	5636.5	5567.6	5280.1	4850.5	4301.4	3523.0	2559.3	561.0	47.4	6.5	0.0
28°	5702.2	5622.5	5313.5	4864.5	4288.5	3479.9	2488.2	526.5	45.2	5.4	0.0
29°	5742.0	5666.7	5348.0	4879.6	4261.6	3407.7	2384.9	485.6	39.8	3.2	0.0
30°	5767.9	5678.5	5344.7	4863.4	4226.0	3330.2	2261.1	451.1	34.5	3.2	0.0
31°	5746.3	5652.7	5310.3	4818.2	4169.0	3229.0	2134.0	408.1	28.0	2.2	0.0
32°	5700.0	5589.1	5250.0	4739.6	4066.7	3098.7	2002.7	372.5	20.5	2.2	0.0
33°	5587.0	5493.3	5141.2	4634.1	3933.2	2922.2	1831.5	338.1	14.0	1.1	0.0
34°	5444.9	5351.2	4992.6	4493.1	3754.4	2693.9	1623.7	302.6	11.8	1.1	0.0
35°	5257.5	5164.9	4824.7	4296.0	3517.6	2419.3	1409.4	271.3	9.7	1.1	0.0
36°	5060.5	4937.7	4612.6	4086.1	3199.9	2107.1	1180.1	235.8	7.5	1.1	0.0
37°	4770.8	4687.9	4327.2	3766.3	2856.5	1807.8	1013.2	203.5	5.4	1.1	0.0
38°	4470.4	4394.0	4041.9	3444.4	2473.2	1511.7	848.4	172.3	4.3	0.0	0.0
39°	4160.4	4033.3	3685.5	3032.0	2071.6	1266.2	713.8	144.3	2.2	0.0	0.0
40°	3673.7	3576.8	3205.3	2536.7	1714.1	1026.1	608.3	109.8	2.2	0.0	0.0
42.5°	2435.5	2345.0	1955.3	1376.0	910.9	599.7	401.6	43.1	0.0	1.1	0.0
45°	1255.4	1198.4	973.3	720.3	516.8	368.2	258.4	26.9	0.0	1.1	1.1
47.5°	498.5	488.8	441.4	381.2	293.9	218.6	141.0	11.8	0.0	1.1	1.1
50°	134.6	135.7	127.1	117.4	106.6	100.1	59.2	3.2	0.0	2.2	1.1
52.5°	57.1	58.1	56.0	52.8	47.4	35.5	23.7	1.1	1.1	2.2	2.2
55°	11.8	12.9	14.0	15.1	17.2	15.1	9.7	0.0	1.1	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	3.2	3.2	2.2	0.0	1.1	2.2	3.2
60°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2	3.2	3.2
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	4.3
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.3	4.3
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.3	4.3
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.3	4.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.3	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	2.2	3.2	3.2
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	3.2	2.2



TEST NUMBER: P1344415

CATALOG NUMBER: P3A13R259030D2WDE010 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	2.2	3.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	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

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CATALOG NUMBER: P3A13R259030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	49.5	49.5	49.5
2.5°	34.5	31.2	30.1
5°	23.7	20.5	18.3
7.5°	16.2	12.9	11.8
10°	10.8	8.6	7.5
12.5°	7.5	4.3	4.3
15°	4.3	3.2	3.2
17.5°	2.2	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	2.2
45°	1.1	2.2	3.2
47.5°	2.2	3.2	4.3
50°	2.2	4.3	4.3
52.5°	3.2	4.3	5.4
55°	3.2	5.4	5.4
57.5°	4.3	5.4	6.5
60°	4.3	5.4	5.4
62.5°	4.3	6.5	6.5
65°	5.4	6.5	6.5
67.5°	5.4	6.5	6.5
70°	4.3	5.4	6.5
72.5°	4.3	5.4	5.4
75°	3.2	4.3	4.3
77.5°	3.2	3.2	4.3
80°	2.2	3.2	3.2



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CATALOG NUMBER: P3A13R259030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.2	2.2	2.2
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)