

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: P1344503

Luminaire Tested: P3A13R259730DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344503
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: P3A13R259730DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

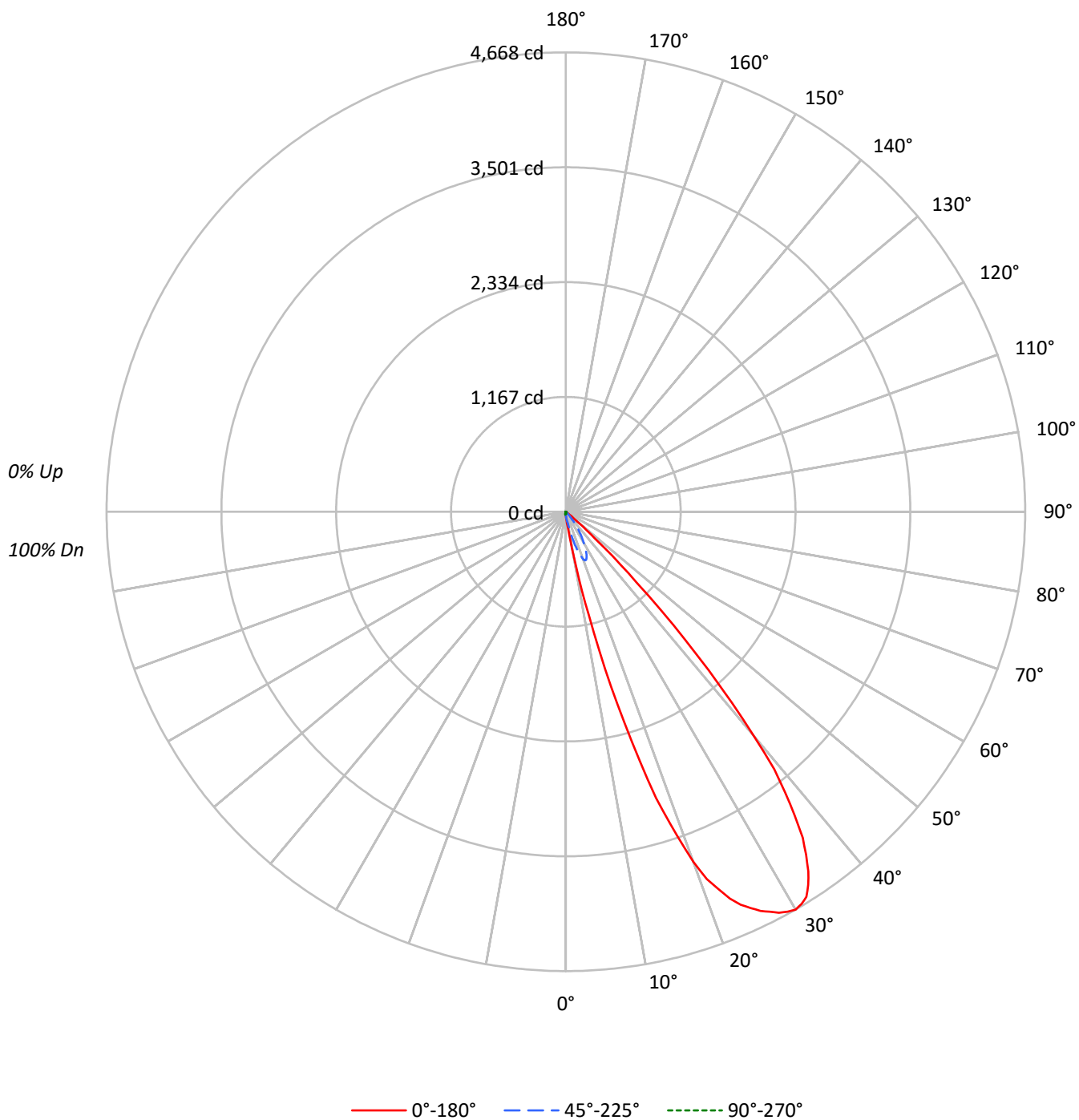
Lumens per Lamp: N/A
Luminaire Lumens: 934.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1344503

CATALOG NUMBER: P3A13R259730DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1344503

CATALOG NUMBER: P3A13R259730DE010 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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8793	8793	8793	8793	8793
5°	22056	16311	8254	4226	3258
10°	96436	27744	6791	1937	1358
15°	458572	74779	4745	795	590
20°	882753	119780	3057	210	210
25°	1075078	120805	1694	0	0
30°	1182030	92445	658	0	0
35°	1139084	58785	241	0	0
40°	851109	25448	0	0	258
45°	315102	6760	279	279	806
50°	37150	887	580	580	1194
55°	3670	0	650	994	1682
60°	395	0	1140	1535	1930
65°	467	467	1816	2283	2698
70°	577	577	2244	2244	3334
75°	763	763	2203	2203	2965
80°	0	1137	3283	2147	3283
85°	0	2264	6542	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 315102 cd/sqm

TEST NUMBER: P1344503

CATALOG NUMBER: P3A13R259730DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.6
10°-20°	108.9	11.7
20°-30°	341.8	36.6
30°-40°	359.8	38.5
40°-50°	105.7	11.3
50°-60°	5.7	0.6
60°-70°	2.8	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°	456.5	48.9
0°-40°	816.3	87.4
0°-60°	927.7	99.3
0°-90°	934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	100	74	38	19	15	18
15°	2020	329	21	4	3	637
25°	4443	499	7	0	0	2038
35°	4255	220	1	0	0	2568
45°	1016	22	1	1	3	923
55°	10	0	2	3	4	24
65°	1	1	4	4	5	1
75°	1	1	3	3	4	1
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1344503

CATALOG NUMBER: P3A13R259730DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
2.5°	61.9	62.7	60.1	61.9	60.1	59.3	58.4	54.0	47.1	40.1	33.1
5°	100.2	100.2	95.9	95.0	93.2	89.8	86.3	74.1	53.2	37.5	26.1
7.5°	156.9	156.0	154.2	149.9	141.2	132.5	123.7	96.7	58.4	34.9	20.0
10°	433.1	427.0	419.2	372.1	318.9	271.9	230.9	124.6	62.7	30.5	14.8
12.5°	1076.2	1041.4	958.6	864.5	744.2	617.8	494.1	203.0	64.5	25.3	10.5
15°	2020.0	1947.7	1818.7	1630.5	1384.7	1108.5	873.2	329.4	62.7	20.9	7.8
17.5°	3050.0	2980.3	2801.7	2515.8	2154.2	1729.8	1313.3	436.6	58.4	17.4	5.2
20°	3782.9	3708.8	3541.5	3238.2	2847.0	2281.4	1728.9	513.3	54.9	13.1	2.6
21°	3997.3	3923.2	3746.3	3453.5	3042.2	2474.9	1862.3	526.3	52.3	11.3	1.7
22°	4133.2	4089.6	3899.7	3615.6	3196.4	2630.0	1976.4	532.4	50.5	10.5	1.7
23°	4270.0	4204.7	4026.9	3727.1	3314.1	2745.0	2060.9	528.1	48.8	8.7	0.9
24°	4371.1	4316.2	4109.7	3813.4	3396.0	2815.6	2110.6	516.8	46.2	7.8	0.9
25°	4443.4	4392.9	4177.7	3871.8	3450.9	2853.9	2126.3	499.3	43.6	7.0	0.9
26°	4512.3	4457.4	4234.3	3905.8	3479.6	2866.1	2111.5	480.2	41.0	6.1	0.0
27°	4562.0	4506.2	4273.5	3925.8	3481.4	2851.3	2071.4	454.0	38.3	5.2	0.0
28°	4615.1	4550.6	4300.5	3937.1	3470.9	2816.5	2013.9	426.1	36.6	4.4	0.0
29°	4647.4	4586.4	4328.4	3949.3	3449.1	2758.1	1930.2	393.0	32.2	2.6	0.0
30°	4668.3	4595.9	4325.8	3936.3	3420.4	2695.3	1830.0	365.1	27.9	2.6	0.0
31°	4650.8	4575.0	4297.9	3899.7	3374.2	2613.4	1727.2	330.3	22.7	1.7	0.0
32°	4613.4	4523.6	4249.1	3836.1	3291.4	2508.0	1620.9	301.5	16.6	1.7	0.0
33°	4521.9	4446.1	4161.1	3750.7	3183.3	2365.1	1482.3	273.6	11.3	0.9	0.0
34°	4406.8	4331.0	4040.8	3636.5	3038.7	2180.3	1314.1	244.9	9.6	0.9	0.0
35°	4255.2	4180.3	3904.9	3477.0	2847.0	1958.1	1140.7	219.6	7.8	0.9	0.0
36°	4095.7	3996.4	3733.2	3307.1	2589.9	1705.4	955.1	190.8	6.1	0.9	0.0
37°	3861.3	3794.2	3502.3	3048.3	2311.9	1463.1	820.0	164.7	4.4	0.9	0.0
38°	3618.2	3556.3	3271.4	2787.7	2001.7	1223.5	686.7	139.4	3.5	0.0	0.0
39°	3367.2	3264.4	2982.9	2454.0	1676.6	1024.8	577.8	116.8	1.7	0.0	0.0
40°	2973.3	2894.9	2594.3	2053.1	1387.3	830.5	492.4	88.9	1.7	0.0	0.0
42.5°	1971.2	1898.0	1582.5	1113.7	737.2	485.4	325.0	34.9	0.0	0.9	0.0
45°	1016.1	969.9	787.8	583.0	418.3	298.0	209.1	21.8	0.0	0.9	0.9
47.5°	403.5	395.6	357.3	308.5	237.9	176.9	114.2	9.6	0.0	0.9	0.9
50°	108.9	109.8	102.8	95.0	86.3	81.0	47.9	2.6	0.0	1.7	0.9
52.5°	46.2	47.1	45.3	42.7	38.3	28.8	19.2	0.9	0.9	1.7	1.7
55°	9.6	10.5	11.3	12.2	13.9	12.2	7.8	0.0	0.9	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	2.6	2.6	1.7	0.0	0.9	1.7	2.6
60°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.7	2.6	2.6
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.5
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	3.5	3.5
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	3.5	3.5
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	3.5	3.5
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	3.5	2.6
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6	2.6	2.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	2.6	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7	2.6	1.7



TEST NUMBER: P1344503

CATALOG NUMBER: P3A13R259730DE010 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	0.9	0.9	1.7	2.6	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	1.7
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: P1344503

CATALOG NUMBER: P3A13R259730DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	40.1	40.1	40.1
2.5°	27.9	25.3	24.4
5°	19.2	16.6	14.8
7.5°	13.1	10.5	9.6
10°	8.7	7.0	6.1
12.5°	6.1	3.5	3.5
15°	3.5	2.6	2.6
17.5°	1.7	0.9	0.9
20°	0.9	0.9	0.9
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	0.9
39°	0.0	0.9	0.9
40°	0.0	0.9	0.9
42.5°	0.0	0.9	1.7
45°	0.9	1.7	2.6
47.5°	1.7	2.6	3.5
50°	1.7	3.5	3.5
52.5°	2.6	3.5	4.4
55°	2.6	4.4	4.4
57.5°	3.5	4.4	5.2
60°	3.5	4.4	4.4
62.5°	3.5	5.2	5.2
65°	4.4	5.2	5.2
67.5°	4.4	5.2	5.2
70°	3.5	4.4	5.2
72.5°	3.5	4.4	4.4
75°	2.6	3.5	3.5
77.5°	2.6	2.6	3.5
80°	1.7	2.6	2.6



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CATALOG NUMBER: P3A13R259730DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.7	1.7	1.7
85°	0.9	0.9	0.9
87.5°	0.9	0.9	0.9
90°	0.0	0.0	0.0

(END OF REPORT)