

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: P1344567

Luminaire Tested: P3A13R259830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344567
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: P3A13R259830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

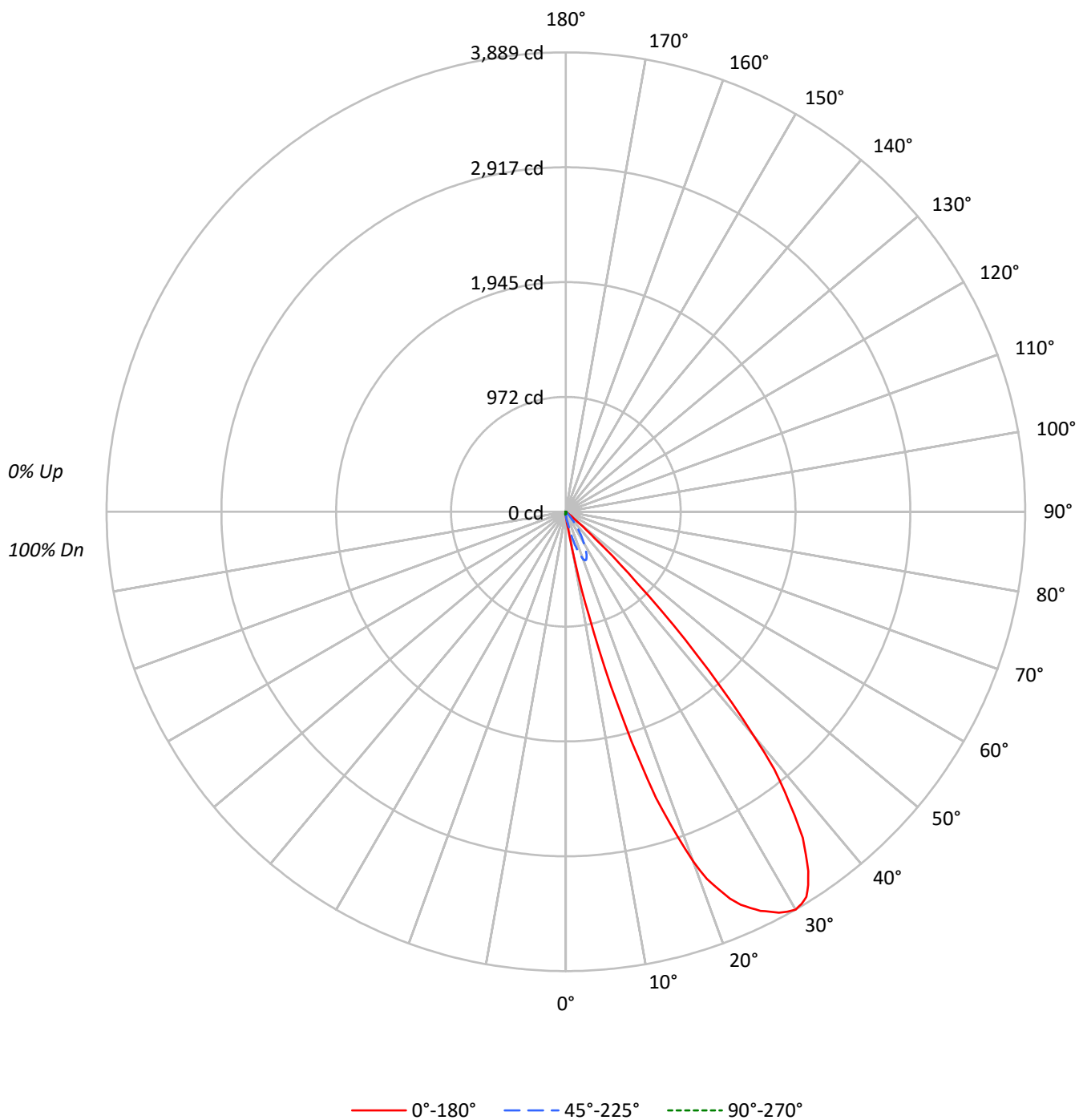
Lumens per Lamp: N/A
Luminaire Lumens: 778.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	103	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°	7324	7324	7324	7324	7324
5°	18380	13581	6868	3522	2707
10°	80337	23112	5656	1625	1136
15°	381977	62293	3950	658	499
20°	735321	99759	2544	163	163
25°	895528	100627	1403	0	0
30°	984607	76999	557	0	0
35°	948835	48961	187	0	0
40°	708957	21183	0	0	200
45°	262477	5613	217	217	682
50°	30941	751	512	512	989
55°	3058	0	573	841	1376
60°	307	0	965	1272	1579
65°	363	363	1505	1868	2283
70°	449	449	1859	1859	2821
75°	593	593	1864	1864	2457
80°	0	884	2778	1894	2778
85°	0	1761	5535	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 262477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.6
10°-20°	90.7	11.7
20°-30°	284.7	36.6
30°-40°	299.7	38.5
40°-50°	88.0	11.3
50°-60°	4.7	0.6
60°-70°	2.3	0.3
70°-80°	2.0	0.3
80°-90°	1.0	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°	380.3	48.9
0°-40°	680.0	87.4
0°-60°	772.7	99.3
0°-90°	778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	84	62	31	16	12	15
15°	1683	274	17	3	2	530
25°	3701	416	6	0	0	1698
35°	3544	183	1	0	0	2139
45°	846	18	1	1	2	769
55°	8	0	2	2	4	20
65°	1	1	3	4	4	1
75°	1	1	2	2	3	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°	45°	67.5°	90°	112.5°
0°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
2.5°	51.5	52.3	50.1	51.5	50.1	49.4	48.6	45.0	39.2	33.4	27.6
5°	83.5	83.5	79.8	79.1	77.7	74.8	71.9	61.7	44.3	31.2	21.8
7.5°	130.7	129.9	128.5	124.9	117.6	110.3	103.1	80.6	48.6	29.0	16.7
10°	360.8	355.7	349.2	310.0	265.7	226.5	192.4	103.8	52.3	25.4	12.3
12.5°	896.5	867.4	798.5	720.1	619.9	514.7	411.6	169.1	53.7	21.1	8.7
15°	1682.6	1622.4	1514.9	1358.1	1153.4	923.3	727.3	274.4	52.3	17.4	6.5
17.5°	2540.6	2482.5	2333.7	2095.6	1794.4	1440.9	1093.9	363.7	48.6	14.5	4.4
20°	3151.1	3089.4	2950.0	2697.4	2371.5	1900.4	1440.2	427.5	45.7	10.9	2.2
21°	3329.6	3267.9	3120.6	2876.7	2534.1	2061.5	1551.2	438.4	43.6	9.4	1.5
22°	3442.9	3406.6	3248.3	3011.7	2662.5	2190.7	1646.3	443.5	42.1	8.7	1.5
23°	3556.8	3502.4	3354.3	3104.6	2760.5	2286.5	1716.7	439.9	40.6	7.3	0.7
24°	3641.0	3595.3	3423.3	3176.5	2828.8	2345.3	1758.1	430.4	38.5	6.5	0.7
25°	3701.3	3659.2	3479.9	3225.1	2874.5	2377.3	1771.2	415.9	36.3	5.8	0.7
26°	3758.6	3712.9	3527.1	3253.4	2898.5	2387.4	1758.8	400.0	34.1	5.1	0.0
27°	3800.0	3753.5	3559.7	3270.1	2899.9	2375.1	1725.4	378.2	31.9	4.4	0.0
28°	3844.3	3790.6	3582.2	3279.5	2891.2	2346.1	1677.5	355.0	30.5	3.6	0.0
29°	3871.1	3820.3	3605.5	3289.7	2873.0	2297.4	1607.8	327.4	26.9	2.2	0.0
30°	3888.6	3828.3	3603.3	3278.8	2849.1	2245.2	1524.4	304.1	23.2	2.2	0.0
31°	3874.0	3810.9	3580.1	3248.3	2810.6	2176.9	1438.7	275.1	18.9	1.5	0.0
32°	3842.8	3768.1	3539.4	3195.3	2741.7	2089.1	1350.1	251.2	13.8	1.5	0.0
33°	3766.6	3703.5	3466.1	3124.2	2651.7	1970.0	1234.7	227.9	9.4	0.7	0.0
34°	3670.8	3607.6	3365.9	3029.1	2531.2	1816.2	1094.6	204.0	8.0	0.7	0.0
35°	3544.5	3482.1	3252.7	2896.3	2371.5	1631.1	950.2	182.9	6.5	0.7	0.0
36°	3411.7	3328.9	3109.7	2754.7	2157.3	1420.6	795.6	159.0	5.1	0.7	0.0
37°	3216.4	3160.5	2917.3	2539.1	1925.8	1218.8	683.1	137.2	3.6	0.7	0.0
38°	3013.9	2962.3	2725.0	2322.1	1667.4	1019.1	572.0	116.1	2.9	0.0	0.0
39°	2804.8	2719.2	2484.7	2044.1	1396.6	853.6	481.3	97.3	1.5	0.0	0.0
40°	2476.7	2411.4	2161.0	1710.2	1155.6	691.8	410.1	74.0	1.5	0.0	0.0
42.5°	1641.9	1581.0	1318.2	927.7	614.1	404.3	270.8	29.0	0.0	0.7	0.0
45°	846.4	807.9	656.2	485.6	348.4	248.3	174.2	18.1	0.0	0.7	0.7
47.5°	336.1	329.6	297.6	257.0	198.2	147.4	95.1	8.0	0.0	0.7	0.7
50°	90.7	91.5	85.7	79.1	71.9	67.5	39.9	2.2	0.0	1.5	0.7
52.5°	38.5	39.2	37.7	35.6	31.9	24.0	16.0	0.7	0.7	1.5	1.5
55°	8.0	8.7	9.4	10.2	11.6	10.2	6.5	0.0	0.7	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	2.2	2.2	1.5	0.0	0.7	1.5	2.2
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5	2.2	2.2
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.9
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.9	2.9
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.9
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.9
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.2
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.2	1.5



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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	0.7	0.7	1.5	2.2	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	1.5
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):

	135°	157.5°	180°
0°	33.4	33.4	33.4
2.5°	23.2	21.1	20.3
5°	16.0	13.8	12.3
7.5°	10.9	8.7	8.0
10°	7.3	5.8	5.1
12.5°	5.1	2.9	2.9
15°	2.9	2.2	2.2
17.5°	1.5	0.7	0.7
20°	0.7	0.7	0.7
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	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.5
45°	0.7	1.5	2.2
47.5°	1.5	2.2	2.9
50°	1.5	2.9	2.9
52.5°	2.2	2.9	3.6
55°	2.2	3.6	3.6
57.5°	2.9	3.6	4.4
60°	2.9	3.6	3.6
62.5°	2.9	4.4	4.4
65°	3.6	4.4	4.4
67.5°	3.6	4.4	4.4
70°	2.9	3.6	4.4
72.5°	2.9	3.6	3.6
75°	2.2	2.9	2.9
77.5°	2.2	2.2	2.9
80°	1.5	2.2	2.2

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)