

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: P1344583

Luminaire Tested: P3A13R259835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344583
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: P3A13R259835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

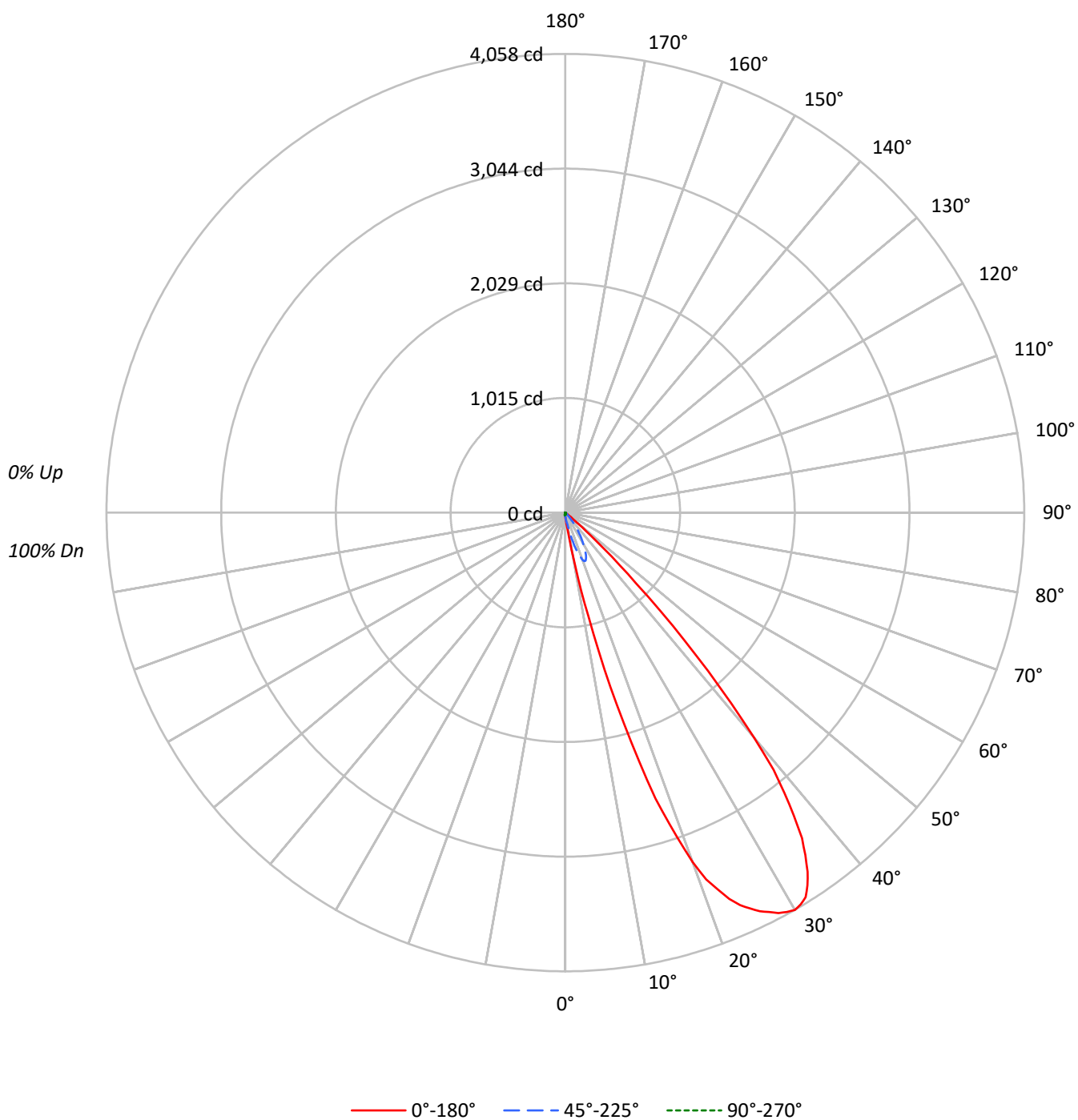
Lumens per Lamp: N/A
Luminaire Lumens: 812.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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
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	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°	7631	7631	7631	7631	7631
5°	19172	14176	7176	3676	2840
10°	83833	24114	5901	1692	1180
15°	398663	65017	4132	681	522
20°	767453	104122	2660	187	187
25°	934651	105030	1476	0	0
30°	1027626	80367	582	0	0
35°	990301	51102	214	0	0
40°	739958	22127	0	0	229
45°	273951	5861	248	248	713
50°	32306	785	512	512	1023
55°	3173	0	573	879	1453
60°	351	0	1009	1316	1667
65°	415	415	1557	1972	2335
70°	513	513	1923	1923	2885
75°	678	678	1949	1949	2542
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 273951 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.6
10°-20°	94.7	11.7
20°-30°	297.1	36.6
30°-40°	312.8	38.5
40°-50°	91.9	11.3
50°-60°	4.9	0.6
60°-70°	2.4	0.3
70°-80°	2.1	0.3
80°-90°	1.1	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°	396.9	48.9
0°-40°	709.7	87.4
0°-60°	806.5	99.3
0°-90°	812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	812.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	87	64	33	17	13	16
15°	1756	286	18	3	2	554
25°	3863	434	6	0	0	1772
35°	3699	191	1	0	0	2232
45°	883	19	1	1	2	803
55°	8	0	2	2	4	21
65°	1	1	3	4	4	1
75°	1	1	2	2	3	1
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°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
2.5°	53.8	54.5	52.3	53.8	52.3	51.5	50.8	47.0	40.9	34.8	28.8
5°	87.1	87.1	83.3	82.6	81.1	78.0	75.0	64.4	46.2	32.6	22.7
7.5°	136.4	135.6	134.1	130.3	122.7	115.2	107.6	84.1	50.8	30.3	17.4
10°	376.5	371.2	364.4	323.5	277.3	236.4	200.8	108.3	54.5	26.5	12.9
12.5°	935.6	905.3	833.4	751.5	647.0	537.1	429.6	176.5	56.1	22.0	9.1
15°	1756.1	1693.3	1581.1	1417.5	1203.8	963.7	759.1	286.4	54.5	18.2	6.8
17.5°	2651.6	2591.0	2435.7	2187.2	1872.8	1503.8	1141.7	379.6	50.8	15.2	4.5
20°	3288.8	3224.4	3078.9	2815.3	2475.1	1983.4	1503.1	446.2	47.7	11.4	2.3
21°	3475.1	3410.7	3256.9	3002.4	2644.8	2151.6	1619.0	457.6	45.5	9.8	1.5
22°	3593.3	3555.4	3390.3	3143.3	2778.9	2286.5	1718.3	462.9	43.9	9.1	1.5
23°	3712.3	3655.5	3500.9	3240.3	2881.2	2386.5	1791.7	459.1	42.4	7.6	0.8
24°	3800.2	3752.4	3572.9	3315.3	2952.4	2447.8	1834.9	449.3	40.2	6.8	0.8
25°	3863.0	3819.1	3632.0	3366.0	3000.1	2481.2	1848.6	434.1	37.9	6.1	0.8
26°	3922.9	3875.2	3681.2	3395.6	3025.1	2491.8	1835.7	417.4	35.6	5.3	0.0
27°	3966.1	3917.6	3715.3	3413.0	3026.6	2478.9	1800.8	394.7	33.3	4.5	0.0
28°	4012.3	3956.2	3738.8	3422.9	3017.5	2448.6	1750.8	370.5	31.8	3.8	0.0
29°	4040.3	3987.3	3763.0	3433.5	2998.6	2397.8	1678.1	341.7	28.0	2.3	0.0
30°	4058.5	3995.6	3760.8	3422.1	2973.6	2343.3	1591.0	317.4	24.2	2.3	0.0
31°	4043.3	3977.4	3736.5	3390.3	2933.5	2272.1	1501.6	287.1	19.7	1.5	0.0
32°	4010.8	3932.7	3694.1	3335.0	2861.5	2180.4	1409.1	262.1	14.4	1.5	0.0
33°	3931.2	3865.3	3617.6	3260.7	2767.5	2056.1	1288.7	237.9	9.8	0.8	0.0
34°	3831.2	3765.3	3513.0	3161.5	2641.8	1895.5	1142.5	212.9	8.3	0.8	0.0
35°	3699.4	3634.2	3394.8	3022.8	2475.1	1702.3	991.7	190.9	6.8	0.8	0.0
36°	3560.7	3474.4	3245.6	2875.1	2251.6	1482.6	830.3	165.9	5.3	0.8	0.0
37°	3357.0	3298.6	3044.8	2650.1	2009.9	1272.0	712.9	143.2	3.8	0.8	0.0
38°	3145.6	3091.8	2844.1	2423.6	1740.2	1063.7	597.0	121.2	3.0	0.0	0.0
39°	2927.4	2838.0	2593.3	2133.4	1457.6	890.9	502.3	101.5	1.5	0.0	0.0
40°	2585.0	2516.8	2255.4	1784.9	1206.1	722.0	428.0	77.3	1.5	0.0	0.0
42.5°	1713.7	1650.1	1375.8	968.2	640.9	422.0	282.6	30.3	0.0	0.8	0.0
45°	883.4	843.2	684.9	506.8	363.7	259.1	181.8	18.9	0.0	0.8	0.8
47.5°	350.8	344.0	310.6	268.2	206.8	153.8	99.2	8.3	0.0	0.8	0.8
50°	94.7	95.5	89.4	82.6	75.0	70.5	41.7	2.3	0.0	1.5	0.8
52.5°	40.2	40.9	39.4	37.1	33.3	25.0	16.7	0.8	0.8	1.5	1.5
55°	8.3	9.1	9.8	10.6	12.1	10.6	6.8	0.0	0.8	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	0.0	0.8	1.5	2.3
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5	2.3	2.3
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.0
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.0	3.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	3.0
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	3.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	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	0.8	0.8	1.5	2.3	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	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°	34.8	34.8	34.8
2.5°	24.2	22.0	21.2
5°	16.7	14.4	12.9
7.5°	11.4	9.1	8.3
10°	7.6	6.1	5.3
12.5°	5.3	3.0	3.0
15°	3.0	2.3	2.3
17.5°	1.5	0.8	0.8
20°	0.8	0.8	0.8
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	0.8
39°	0.0	0.8	0.8
40°	0.0	0.8	0.8
42.5°	0.0	0.8	1.5
45°	0.8	1.5	2.3
47.5°	1.5	2.3	3.0
50°	1.5	3.0	3.0
52.5°	2.3	3.0	3.8
55°	2.3	3.8	3.8
57.5°	3.0	3.8	4.5
60°	3.0	3.8	3.8
62.5°	3.0	4.5	4.5
65°	3.8	4.5	4.5
67.5°	3.8	4.5	4.5
70°	3.0	3.8	4.5
72.5°	3.0	3.8	3.8
75°	2.3	3.0	3.0
77.5°	2.3	2.3	3.0
80°	1.5	2.3	2.3



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CATALOG NUMBER: P3A13R259835DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
85°	0.8	0.8	0.8
87.5°	0.8	0.8	0.8
90°	0.0	0.0	0.0

(END OF REPORT)