

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: P1343856

Luminaire Tested: P3A13R15W2N902765DE010 E3CA301MW_6500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R15W2N902765DE010 E3CA301MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 6500K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

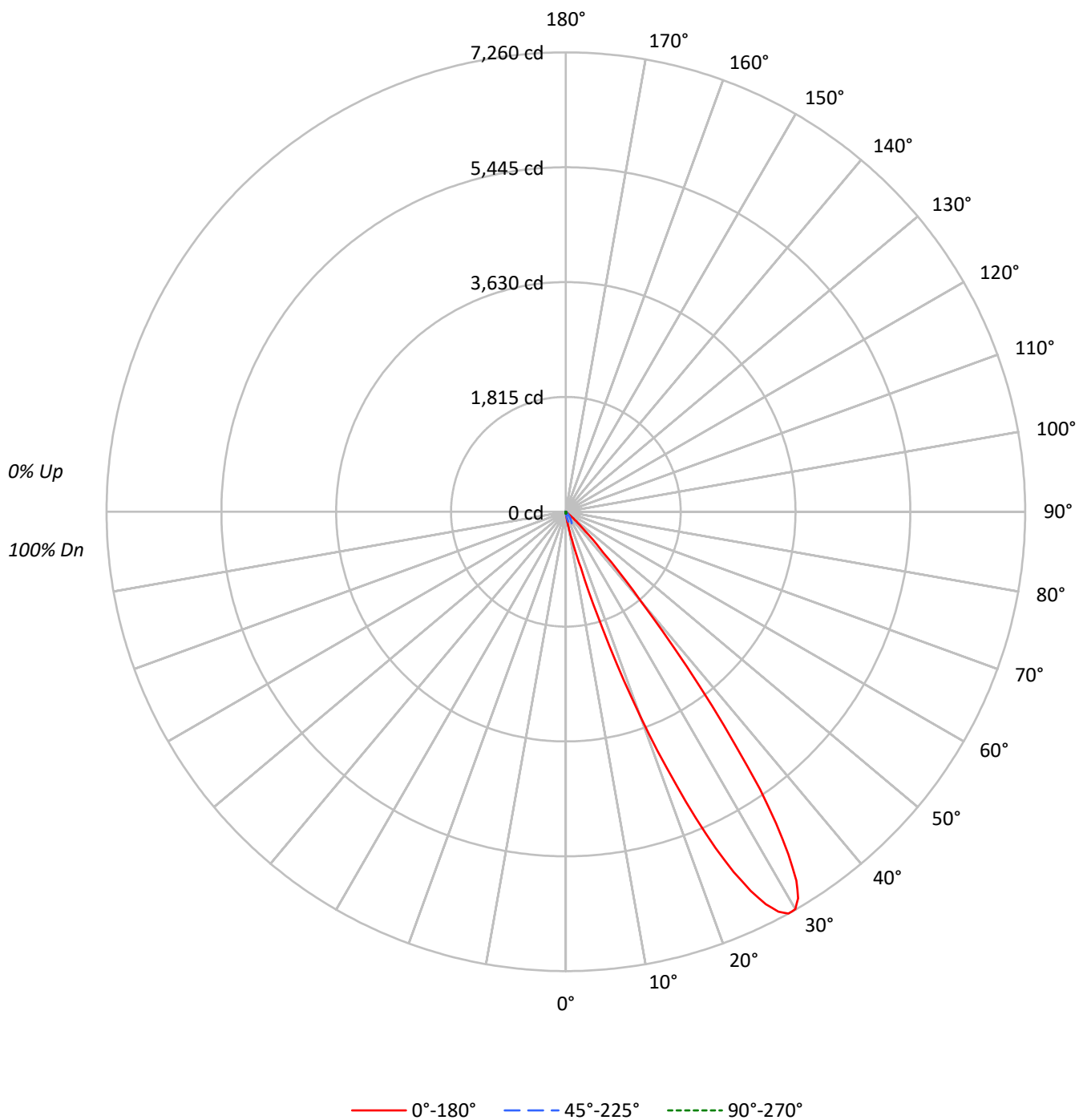
Lumens per Lamp: N/A
Luminaire Lumens: 793.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
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	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68	
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61	
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	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	43	39	49	43	39	48	43	39	47	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5745	5745	5745	5745	5745
5°	12393	9179	5437	2884	2377
10°	54953	17345	4297	1202	868
15°	207856	40091	2974	522	341
20°	799400	56518	1797	187	187
25°	1520168	53011	944	0	0
30°	1836384	42766	380	0	0
35°	1432261	29125	214	0	0
40°	522665	14341	229	0	229
45°	134184	4311	248	0	465
50°	22618	512	273	273	785
55°	2944	0	573	879	1491
60°	351	351	1009	1360	2017
65°	415	415	1608	2024	2387
70°	513	513	1988	1988	2500
75°	678	678	2626	1949	2626
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 134184 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.5
10°-20°	60.8	7.7
20°-30°	337.0	42.5
30°-40°	325.6	41.1
40°-50°	56.6	7.1
50°-60°	4.1	0.5
60°-70°	2.4	0.3
70°-80°	1.9	0.2
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°	401.4	50.6
0°-40°	727.0	91.7
0°-60°	787.7	99.3
0°-90°	793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	56	42	25	13	11	11
15°	916	177	13	2	2	408
25°	6283	219	4	0	0	2809
35°	5350	109	1	0	0	3077
45°	433	14	1	0	2	465
55°	8	0	2	2	4	15
65°	1	1	3	4	5	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	38.6	37.0	37.8	37.8	37.8	37.8	37.8	36.3	36.3	37.0	33.2
5°	56.3	56.3	55.5	56.3	56.3	55.5	54.0	53.2	53.2	51.7	41.7
7.5°	112.6	111.1	111.1	109.5	101.8	99.5	98.0	94.1	87.2	85.6	54.0
10°	246.8	247.6	242.2	235.3	234.5	222.9	219.1	212.1	199.0	185.9	77.9
12.5°	448.2	438.1	425.0	425.8	403.4	395.7	378.0	358.7	338.6	317.8	128.1
15°	915.6	887.1	904.1	862.4	815.4	762.1	708.1	640.3	582.4	520.7	176.6
17.5°	1928.5	1956.2	1909.2	1731.0	1621.5	1492.6	1311.4	1136.3	986.6	866.3	216.0
20°	3425.7	3466.6	3306.9	3151.9	2885.8	2595.7	2293.3	1950.8	1623.0	1339.1	242.2
21°	4051.3	4026.7	3961.1	3712.7	3405.7	3069.4	2699.1	2321.1	1923.8	1555.1	244.5
22°	4656.1	4667.7	4514.9	4255.0	3935.6	3563.0	3111.0	2644.3	2216.2	1731.0	240.7
23°	5258.6	5295.6	5093.5	4849.7	4447.8	4027.4	3504.4	3000.7	2471.5	1932.3	233.0
24°	5816.3	5790.8	5654.3	5347.3	4917.6	4425.5	3882.4	3271.5	2681.4	2104.4	226.8
25°	6283.0	6279.9	6065.4	5766.9	5275.5	4730.2	4131.6	3492.9	2861.1	2220.8	219.1
26°	6664.8	6602.3	6433.4	6069.3	5584.1	5008.6	4336.0	3654.1	2962.1	2279.5	211.4
27°	6959.5	6914.7	6687.9	6309.2	5802.4	5166.0	4467.1	3734.3	3008.4	2298.7	201.3
28°	7157.7	7109.1	6867.7	6477.4	5922.7	5264.7	4536.5	3768.2	3008.4	2280.2	192.1
29°	7260.3	7194.0	6953.3	6535.2	5950.5	5276.3	4519.6	3735.1	2961.4	2223.1	181.3
30°	7252.6	7170.1	6917.8	6482.8	5868.0	5181.4	4424.7	3615.5	2854.9	2138.3	168.9
31°	7127.6	7035.1	6753.5	6305.3	5697.5	5002.5	4245.7	3455.1	2709.1	2028.0	156.6
32°	6873.9	6756.6	6482.0	6035.4	5435.2	4734.8	3985.8	3207.4	2490.8	1866.8	143.5
33°	6460.4	6342.4	6047.7	5628.8	5080.4	4395.4	3641.0	2941.3	2242.4	1674.7	132.7
34°	5942.8	5834.8	5581.0	5159.1	4633.0	3965.7	3244.5	2573.4	1984.8	1484.2	121.1
35°	5350.4	5178.3	4948.5	4614.5	4101.5	3430.4	2816.3	2230.9	1719.4	1284.4	108.8
36°	4548.9	4579.7	4336.0	3927.1	3502.1	2976.0	2386.7	1859.8	1437.9	1094.6	98.0
37°	3838.4	3789.8	3634.8	3318.5	2948.3	2426.0	2000.2	1576.7	1209.5	925.7	86.4
38°	3096.4	3107.2	2955.2	2712.2	2345.0	1994.8	1609.9	1295.2	1012.1	787.6	75.6
39°	2423.7	2415.2	2374.3	2149.1	1816.6	1586.7	1304.4	1073.8	843.1	664.2	64.0
40°	1825.9	1839.8	1744.1	1608.3	1414.7	1225.7	1039.1	856.2	697.3	560.0	50.1
42.5°	887.9	909.5	846.2	811.5	725.9	651.8	550.0	448.9	381.8	330.2	22.4
45°	432.7	420.4	415.0	398.0	378.0	337.9	299.3	256.9	224.5	193.6	13.9
47.5°	221.4	215.2	215.2	208.3	201.3	188.2	168.9	155.0	139.6	120.3	5.4
50°	66.3	65.6	64.8	65.6	63.3	65.6	67.1	67.9	61.7	60.9	1.5
52.5°	26.2	27.0	26.2	28.5	28.5	27.8	28.5	27.8	27.0	23.9	0.0
55°	7.7	7.7	7.7	7.7	7.7	7.7	8.5	9.3	8.5	9.3	0.0
57.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	30.9	27.0	22.4	18.5	17.0	16.2
5°	33.2	24.7	17.0	13.1	11.6	10.8
7.5°	35.5	22.4	13.1	9.3	6.9	6.2
10°	37.0	19.3	10.0	5.4	3.9	3.9
12.5°	37.0	15.4	6.9	3.1	2.3	2.3
15°	36.3	13.1	4.6	2.3	1.5	1.5
17.5°	35.5	10.0	3.1	1.5	0.8	1.5
20°	33.2	7.7	1.5	0.8	0.8	0.8
21°	32.4	6.9	1.5	0.8	0.8	0.8
22°	30.9	6.2	0.8	0.0	0.8	0.8
23°	29.3	4.6	0.8	0.0	0.0	0.0
24°	27.0	3.9	0.8	0.0	0.0	0.0
25°	25.5	3.9	0.8	0.0	0.0	0.0
26°	23.9	2.3	0.0	0.0	0.0	0.0
27°	21.6	1.5	0.0	0.0	0.0	0.0
28°	20.1	1.5	0.0	0.0	0.0	0.0
29°	17.7	1.5	0.0	0.0	0.0	0.0
30°	15.4	1.5	0.0	0.0	0.0	0.0
31°	12.3	0.8	0.0	0.0	0.0	0.0
32°	10.0	0.8	0.0	0.0	0.0	0.0
33°	6.9	0.8	0.0	0.0	0.0	0.0
34°	4.6	0.8	0.0	0.0	0.0	0.0
35°	3.9	0.8	0.0	0.0	0.0	0.0
36°	2.3	0.8	0.0	0.0	0.0	0.8
37°	2.3	0.8	0.0	0.0	0.0	0.8
38°	1.5	0.8	0.0	0.0	0.0	0.8
39°	0.8	0.8	0.0	0.0	0.0	0.8
40°	0.8	0.8	0.0	0.0	0.0	0.8
42.5°	0.0	0.8	0.0	0.0	0.8	1.5
45°	0.0	0.8	0.0	0.0	0.8	1.5
47.5°	0.0	0.8	0.0	0.0	1.5	1.5
50°	0.0	0.8	0.8	0.8	1.5	2.3
52.5°	0.0	1.5	0.8	1.5	2.3	3.1
55°	0.8	1.5	1.5	2.3	3.1	3.9
57.5°	0.8	2.3	2.3	3.1	3.9	3.9
60°	1.5	2.3	3.1	3.1	4.6	4.6
62.5°	1.5	3.1	3.1	3.1	4.6	4.6
65°	1.5	3.1	3.1	3.9	4.6	4.6
67.5°	1.5	3.1	3.1	3.1	3.9	4.6
70°	1.5	3.1	2.3	3.1	3.9	3.9
72.5°	1.5	3.1	2.3	2.3	3.1	3.9
75°	1.5	3.1	2.3	2.3	3.1	3.1
77.5°	1.5	2.3	2.3	1.5	2.3	2.3
80°	1.5	2.3	1.5	1.5	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.5	2.3	1.5	0.8	1.5	1.5
85°	1.5	2.3	1.5	0.8	0.8	0.8
87.5°	1.5	2.3	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)