

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: P1343781

Luminaire Tested: P3A13R15W2N902765DE010 E3A301GPH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343781
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 E3A301GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

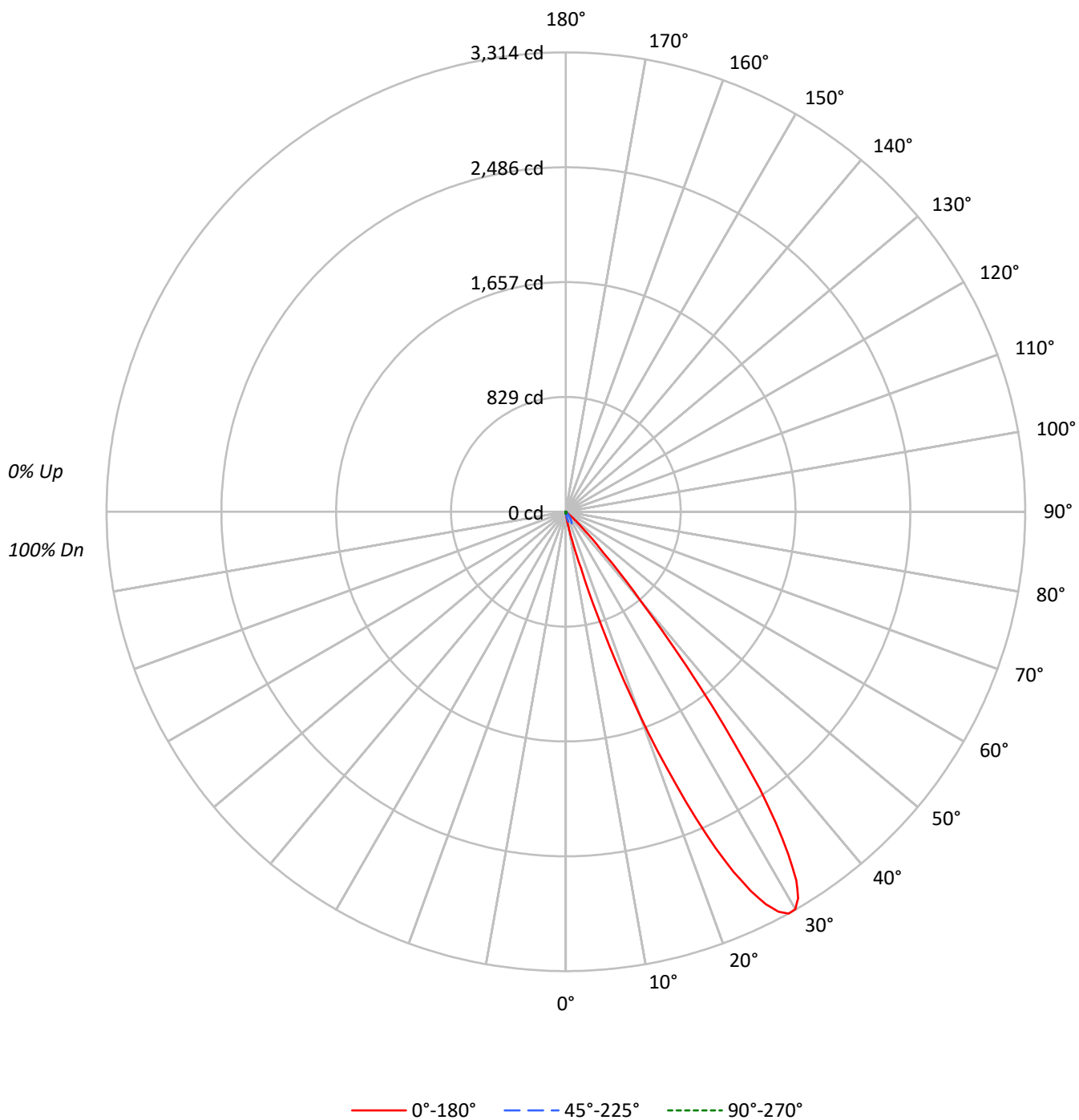
Lumens per Lamp: N/A
Luminaire Lumens: 362.1 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	96	92	104	98	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	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	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2631	2631	2631	2631	2631
5°	5657	4182	2487	1321	1079
10°	25094	7927	1959	557	401
15°	94893	18297	1362	250	159
20°	364918	25809	817	93	93
25°	693935	24195	436	0	0
30°	838306	19522	177	0	0
35°	653812	13304	107	0	0
40°	238590	6555	115	0	115
45°	61247	1954	124	0	217
50°	10337	239	136	136	375
55°	1338	0	268	421	688
60°	175	175	482	614	921
65°	208	208	726	934	1090
70°	256	256	898	898	1154
75°	339	339	1186	932	1186
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61247 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	27.7	7.7
20°-30°	153.9	42.5
30°-40°	148.6	41.1
40°-50°	25.9	7.1
50°-60°	1.9	0.5
60°-70°	1.1	0.3
70°-80°	0.9	0.3
80°-90°	0.5	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°	183.2	50.6
0°-40°	331.9	91.7
0°-60°	359.6	99.3
0°-90°	362.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	362.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	26	19	11	6	5	5
15°	418	81	6	1	1	186
25°	2868	100	2	0	0	1282
35°	2442	50	0	0	0	1405
45°	198	6	0	0	1	212
55°	4	0	1	1	2	7
65°	0	0	1	2	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	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°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2.5°	17.6	16.9	17.3	17.3	17.3	17.3	17.3	16.6	16.6	16.9	15.1
5°	25.7	25.7	25.4	25.7	25.7	25.4	24.6	24.3	24.3	23.6	19.0
7.5°	51.4	50.7	50.7	50.0	46.5	45.4	44.7	43.0	39.8	39.1	24.6
10°	112.7	113.0	110.6	107.4	107.0	101.8	100.0	96.8	90.9	84.9	35.6
12.5°	204.6	200.0	194.0	194.4	184.2	180.6	172.5	163.7	154.6	145.1	58.5
15°	418.0	405.0	412.7	393.7	372.2	347.9	323.3	292.3	265.9	237.7	80.6
17.5°	880.3	893.0	871.5	790.2	740.2	681.4	598.6	518.7	450.4	395.4	98.6
20°	1563.8	1582.5	1509.6	1438.8	1317.3	1184.9	1046.9	890.5	740.9	611.3	110.6
21°	1849.4	1838.1	1808.2	1694.8	1554.7	1401.1	1232.1	1059.6	878.2	709.9	111.6
22°	2125.5	2130.8	2061.0	1942.4	1796.6	1626.5	1420.2	1207.1	1011.7	790.2	109.9
23°	2400.5	2417.4	2325.1	2213.9	2030.4	1838.5	1599.7	1369.8	1128.2	882.1	106.3
24°	2655.1	2643.5	2581.1	2441.0	2244.9	2020.2	1772.3	1493.4	1224.0	960.6	103.5
25°	2868.1	2866.7	2768.8	2632.6	2408.3	2159.3	1886.0	1594.5	1306.1	1013.8	100.0
26°	3042.4	3013.9	2936.8	2770.6	2549.1	2286.4	1979.4	1668.1	1352.2	1040.6	96.5
27°	3177.0	3156.5	3053.0	2880.1	2648.8	2358.2	2039.2	1704.7	1373.3	1049.4	91.9
28°	3267.5	3245.3	3135.1	2956.9	2703.7	2403.3	2070.9	1720.2	1373.3	1040.9	87.7
29°	3314.3	3284.0	3174.1	2983.3	2716.4	2408.6	2063.2	1705.0	1351.8	1014.9	82.8
30°	3310.8	3273.1	3157.9	2959.3	2678.7	2365.3	2019.8	1650.5	1303.3	976.1	77.1
31°	3253.7	3211.5	3082.9	2878.4	2600.9	2283.6	1938.2	1577.2	1236.7	925.8	71.5
32°	3137.9	3084.4	2959.0	2755.1	2481.1	2161.4	1819.5	1464.2	1137.0	852.2	65.5
33°	2949.1	2895.3	2760.7	2569.5	2319.2	2006.5	1662.1	1342.7	1023.7	764.5	60.6
34°	2712.8	2663.5	2547.7	2355.1	2114.9	1810.3	1481.1	1174.7	906.0	677.5	55.3
35°	2442.4	2363.9	2258.9	2106.5	1872.3	1565.9	1285.6	1018.4	784.9	586.3	49.7
36°	2076.5	2090.6	1979.4	1792.7	1598.7	1358.5	1089.5	849.0	656.4	499.7	44.7
37°	1752.2	1730.0	1659.3	1514.9	1345.9	1107.5	913.1	719.8	552.1	422.6	39.4
38°	1413.5	1418.4	1349.0	1238.1	1070.5	910.6	734.9	591.2	462.0	359.5	34.5
39°	1106.4	1102.5	1083.9	981.0	829.3	724.3	595.5	490.2	384.9	303.2	29.2
40°	833.5	839.8	796.2	734.2	645.8	559.5	474.3	390.9	318.3	255.7	22.9
42.5°	405.3	415.2	386.3	370.4	331.4	297.6	251.1	204.9	174.3	150.7	10.2
45°	197.5	191.9	189.4	181.7	172.5	154.2	136.6	117.3	102.5	88.4	6.3
47.5°	101.1	98.2	98.2	95.1	91.9	85.9	77.1	70.8	63.7	54.9	2.5
50°	30.3	29.9	29.6	29.9	28.9	29.9	30.6	31.0	28.2	27.8	0.7
52.5°	12.0	12.3	12.0	13.0	13.0	12.7	13.0	12.7	12.3	10.9	0.0
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.9	4.2	3.9	4.2	0.0
57.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	12.0	12.0	12.0	12.0	12.0	12.0
2.5°	14.1	12.3	10.2	8.5	7.7	7.4
5°	15.1	11.3	7.7	6.0	5.3	4.9
7.5°	16.2	10.2	6.0	4.2	3.2	2.8
10°	16.9	8.8	4.6	2.5	1.8	1.8
12.5°	16.9	7.0	3.2	1.4	1.1	1.1
15°	16.6	6.0	2.1	1.1	0.7	0.7
17.5°	16.2	4.6	1.4	0.7	0.4	0.7
20°	15.1	3.5	0.7	0.4	0.4	0.4
21°	14.8	3.2	0.7	0.4	0.4	0.4
22°	14.1	2.8	0.4	0.0	0.4	0.4
23°	13.4	2.1	0.4	0.0	0.0	0.0
24°	12.3	1.8	0.4	0.0	0.0	0.0
25°	11.6	1.8	0.4	0.0	0.0	0.0
26°	10.9	1.1	0.0	0.0	0.0	0.0
27°	9.9	0.7	0.0	0.0	0.0	0.0
28°	9.2	0.7	0.0	0.0	0.0	0.0
29°	8.1	0.7	0.0	0.0	0.0	0.0
30°	7.0	0.7	0.0	0.0	0.0	0.0
31°	5.6	0.4	0.0	0.0	0.0	0.0
32°	4.6	0.4	0.0	0.0	0.0	0.0
33°	3.2	0.4	0.0	0.0	0.0	0.0
34°	2.1	0.4	0.0	0.0	0.0	0.0
35°	1.8	0.4	0.0	0.0	0.0	0.0
36°	1.1	0.4	0.0	0.0	0.0	0.4
37°	1.1	0.4	0.0	0.0	0.0	0.4
38°	0.7	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.7
45°	0.0	0.4	0.0	0.0	0.4	0.7
47.5°	0.0	0.4	0.0	0.0	0.7	0.7
50°	0.0	0.4	0.4	0.4	0.7	1.1
52.5°	0.0	0.7	0.4	0.7	1.1	1.4
55°	0.4	0.7	0.7	1.1	1.4	1.8
57.5°	0.4	1.1	1.1	1.4	1.8	1.8
60°	0.7	1.1	1.4	1.4	2.1	2.1
62.5°	0.7	1.4	1.4	1.4	2.1	2.1
65°	0.7	1.4	1.4	1.8	2.1	2.1
67.5°	0.7	1.4	1.4	1.4	1.8	2.1
70°	0.7	1.4	1.1	1.4	1.8	1.8
72.5°	0.7	1.4	1.1	1.1	1.4	1.8
75°	0.7	1.4	1.1	1.1	1.4	1.4
77.5°	0.7	1.1	1.1	0.7	1.1	1.1
80°	0.7	1.1	0.7	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.1	0.7	0.4	0.7	0.7
85°	0.7	1.1	0.7	0.4	0.4	0.4
87.5°	0.7	1.1	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)