

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: P1343780

Luminaire Tested: P3A13R15W2N902765DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343780
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

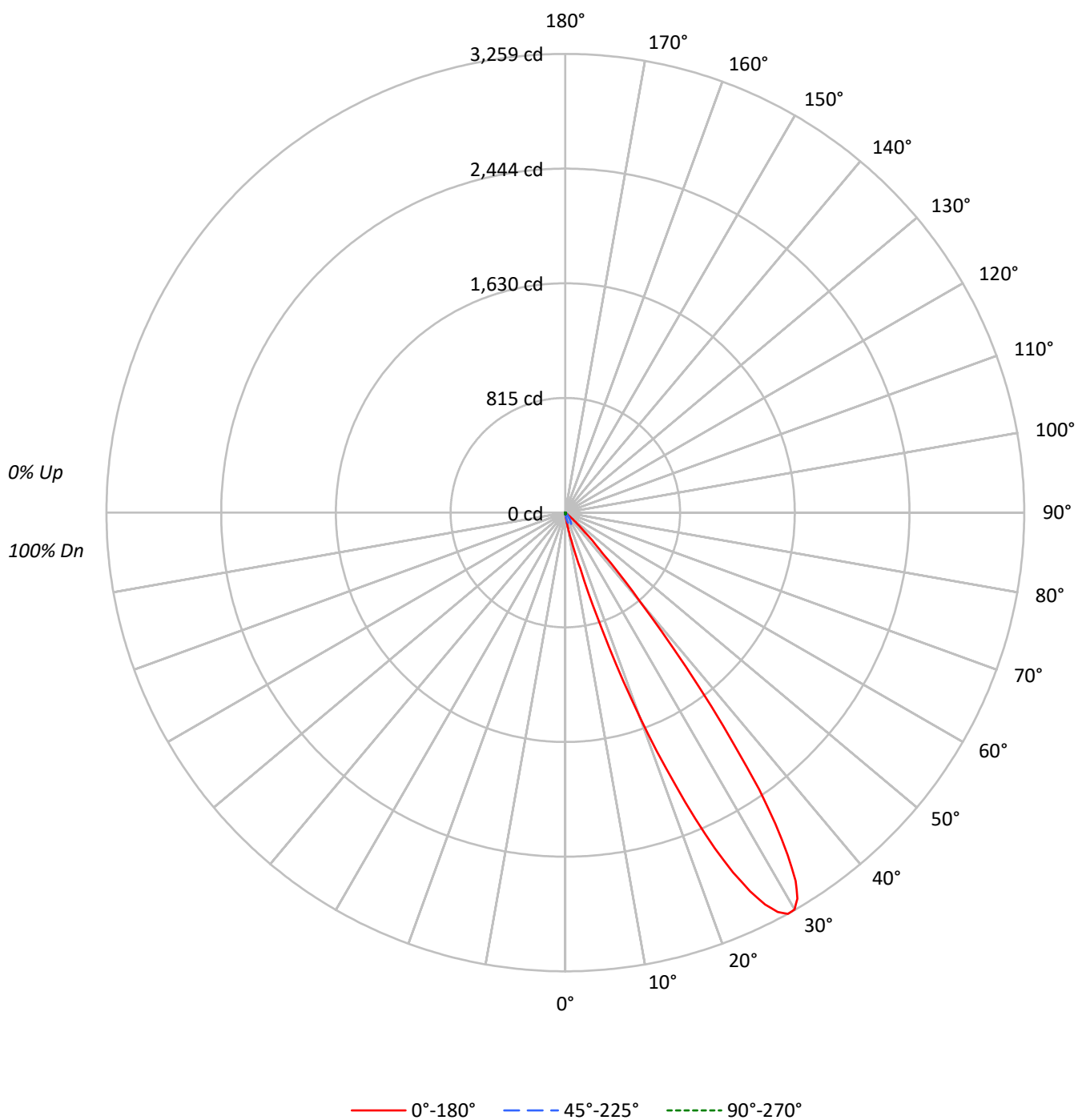
Lumens per Lamp: N/A
Luminaire Lumens: 355.9 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	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°	2588	2588	2588	2588	2588
5°	5569	4116	2443	1299	1057
10°	24671	7793	1937	534	379
15°	93326	18002	1339	227	159
20°	358875	25366	817	70	70
25°	682443	23784	411	0	0
30°	824405	19193	177	0	0
35°	642970	13063	80	0	0
40°	234640	6441	86	0	86
45°	60254	1923	93	0	217
50°	10166	239	102	102	341
55°	1338	0	268	382	650
60°	132	132	439	614	921
65°	156	156	726	882	1090
70°	192	192	898	898	1090
75°	254	254	1186	847	1186
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	27.3	7.7
20°-30°	151.3	42.5
30°-40°	146.2	41.1
40°-50°	25.4	7.1
50°-60°	1.8	0.5
60°-70°	1.1	0.3
70°-80°	0.9	0.2
80°-90°	0.4	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°	180.2	50.6
0°-40°	326.4	91.7
0°-60°	353.6	99.3
0°-90°	355.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	25	19	11	6	5	5
15°	411	79	6	1	1	183
25°	2821	98	2	0	0	1261
35°	2402	49	0	0	0	1381
45°	194	6	0	0	1	209
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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	17.3	16.6	17.0	17.0	17.0	17.0	17.0	16.3	16.3	16.6	14.9
5°	25.3	25.3	24.9	25.3	25.3	24.9	24.2	23.9	23.9	23.2	18.7
7.5°	50.6	49.9	49.9	49.2	45.7	44.7	44.0	42.2	39.1	38.4	24.2
10°	110.8	111.2	108.7	105.6	105.3	100.1	98.3	95.2	89.3	83.5	35.0
12.5°	201.2	196.7	190.8	191.2	181.1	177.7	169.7	161.0	152.0	142.7	57.5
15°	411.1	398.2	405.9	387.2	366.0	342.1	317.9	287.4	261.5	233.8	79.3
17.5°	865.7	878.2	857.1	777.1	727.9	670.1	588.7	510.1	442.9	388.9	97.0
20°	1537.9	1556.3	1484.6	1415.0	1295.5	1165.3	1029.5	875.8	728.6	601.2	108.7
21°	1818.8	1807.7	1778.2	1666.7	1528.9	1377.9	1211.7	1042.0	863.7	698.1	109.8
22°	2090.3	2095.5	2026.9	1910.2	1766.8	1599.6	1396.6	1187.1	994.9	777.1	108.0
23°	2360.7	2377.3	2286.6	2177.2	1996.8	1808.0	1573.2	1347.1	1109.5	867.5	104.6
24°	2611.1	2599.7	2538.4	2400.5	2207.7	1986.7	1742.9	1468.7	1203.7	944.7	101.8
25°	2820.6	2819.2	2722.9	2588.9	2368.3	2123.5	1854.8	1568.0	1284.4	997.0	98.3
26°	2992.0	2964.0	2888.1	2724.7	2506.9	2248.5	1946.5	1640.4	1329.8	1023.3	94.9
27°	3124.3	3104.2	3002.4	2832.4	2604.9	2319.2	2005.4	1676.4	1350.6	1032.0	90.4
28°	3213.3	3191.5	3083.1	2907.9	2658.9	2363.5	2036.6	1691.7	1350.6	1023.7	86.2
29°	3259.4	3229.6	3121.5	2933.8	2671.3	2368.7	2029.0	1676.8	1329.4	998.0	81.4
30°	3255.9	3218.8	3105.6	2910.3	2634.3	2326.1	1986.4	1623.1	1281.7	959.9	75.8
31°	3199.8	3158.2	3031.8	2830.6	2557.8	2245.7	1906.0	1551.1	1216.2	910.4	70.3
32°	3085.9	3033.2	2909.9	2709.4	2440.0	2125.6	1789.3	1439.9	1118.2	838.0	64.4
33°	2900.2	2847.3	2715.0	2526.9	2280.7	1973.2	1634.5	1320.4	1006.7	751.8	59.6
34°	2667.9	2619.4	2505.5	2316.0	2079.9	1780.3	1456.5	1155.3	891.0	666.3	54.4
35°	2401.9	2324.7	2221.5	2071.6	1841.3	1540.0	1264.3	1001.5	771.9	576.6	48.8
36°	2042.1	2056.0	1946.5	1763.0	1572.2	1336.0	1071.4	834.9	645.5	491.4	44.0
37°	1723.2	1701.4	1631.8	1489.8	1323.6	1089.1	898.0	707.8	543.0	415.6	38.8
38°	1390.0	1394.9	1326.7	1217.6	1052.7	895.5	722.7	581.4	454.3	353.6	33.9
39°	1088.1	1084.3	1065.9	964.8	815.5	712.3	585.6	482.0	378.5	298.2	28.7
40°	819.7	825.9	783.0	722.0	635.1	550.3	466.5	384.4	313.1	251.4	22.5
42.5°	398.6	408.3	379.9	364.3	325.9	292.6	246.9	201.5	171.4	148.2	10.0
45°	194.3	188.7	186.3	178.7	169.7	151.7	134.4	115.3	100.8	86.9	6.2
47.5°	99.4	96.6	96.6	93.5	90.4	84.5	75.8	69.6	62.7	54.0	2.4
50°	29.8	29.4	29.1	29.4	28.4	29.4	30.1	30.5	27.7	27.4	0.7
52.5°	11.8	12.1	11.8	12.8	12.8	12.5	12.8	12.5	12.1	10.7	0.0
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.8	4.2	3.8	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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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	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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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CATALOG NUMBER: P3A13R15W2N902765DE010 E3A301GPH_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	13.9	12.1	10.0	8.3	7.6	7.3
5°	14.9	11.1	7.6	5.9	5.2	4.8
7.5°	15.9	10.0	5.9	4.2	3.1	2.8
10°	16.6	8.7	4.5	2.4	1.7	1.7
12.5°	16.6	6.9	3.1	1.4	1.0	1.0
15°	16.3	5.9	2.1	1.0	0.7	0.7
17.5°	15.9	4.5	1.4	0.7	0.3	0.7
20°	14.9	3.5	0.7	0.3	0.3	0.3
21°	14.5	3.1	0.7	0.3	0.3	0.3
22°	13.9	2.8	0.3	0.0	0.3	0.3
23°	13.2	2.1	0.3	0.0	0.0	0.0
24°	12.1	1.7	0.3	0.0	0.0	0.0
25°	11.4	1.7	0.3	0.0	0.0	0.0
26°	10.7	1.0	0.0	0.0	0.0	0.0
27°	9.7	0.7	0.0	0.0	0.0	0.0
28°	9.0	0.7	0.0	0.0	0.0	0.0
29°	8.0	0.7	0.0	0.0	0.0	0.0
30°	6.9	0.7	0.0	0.0	0.0	0.0
31°	5.5	0.3	0.0	0.0	0.0	0.0
32°	4.5	0.3	0.0	0.0	0.0	0.0
33°	3.1	0.3	0.0	0.0	0.0	0.0
34°	2.1	0.3	0.0	0.0	0.0	0.0
35°	1.7	0.3	0.0	0.0	0.0	0.0
36°	1.0	0.3	0.0	0.0	0.0	0.3
37°	1.0	0.3	0.0	0.0	0.0	0.3
38°	0.7	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.7
45°	0.0	0.3	0.0	0.0	0.3	0.7
47.5°	0.0	0.3	0.0	0.0	0.7	0.7
50°	0.0	0.3	0.3	0.3	0.7	1.0
52.5°	0.0	0.7	0.3	0.7	1.0	1.4
55°	0.3	0.7	0.7	1.0	1.4	1.7
57.5°	0.3	1.0	1.0	1.4	1.7	1.7
60°	0.7	1.0	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	1.7	2.1	2.1
67.5°	0.7	1.4	1.4	1.4	1.7	2.1
70°	0.7	1.4	1.0	1.4	1.7	1.7
72.5°	0.7	1.4	1.0	1.0	1.4	1.7
75°	0.7	1.4	1.0	1.0	1.4	1.4
77.5°	0.7	1.0	1.0	0.7	1.0	1.0
80°	0.7	1.0	0.7	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.0	0.7	0.3	0.7	0.7
85°	0.7	1.0	0.7	0.3	0.3	0.3
87.5°	0.7	1.0	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)