

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: P1344491

Luminaire Tested: P3A13R259730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344491
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: P3A13R259730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

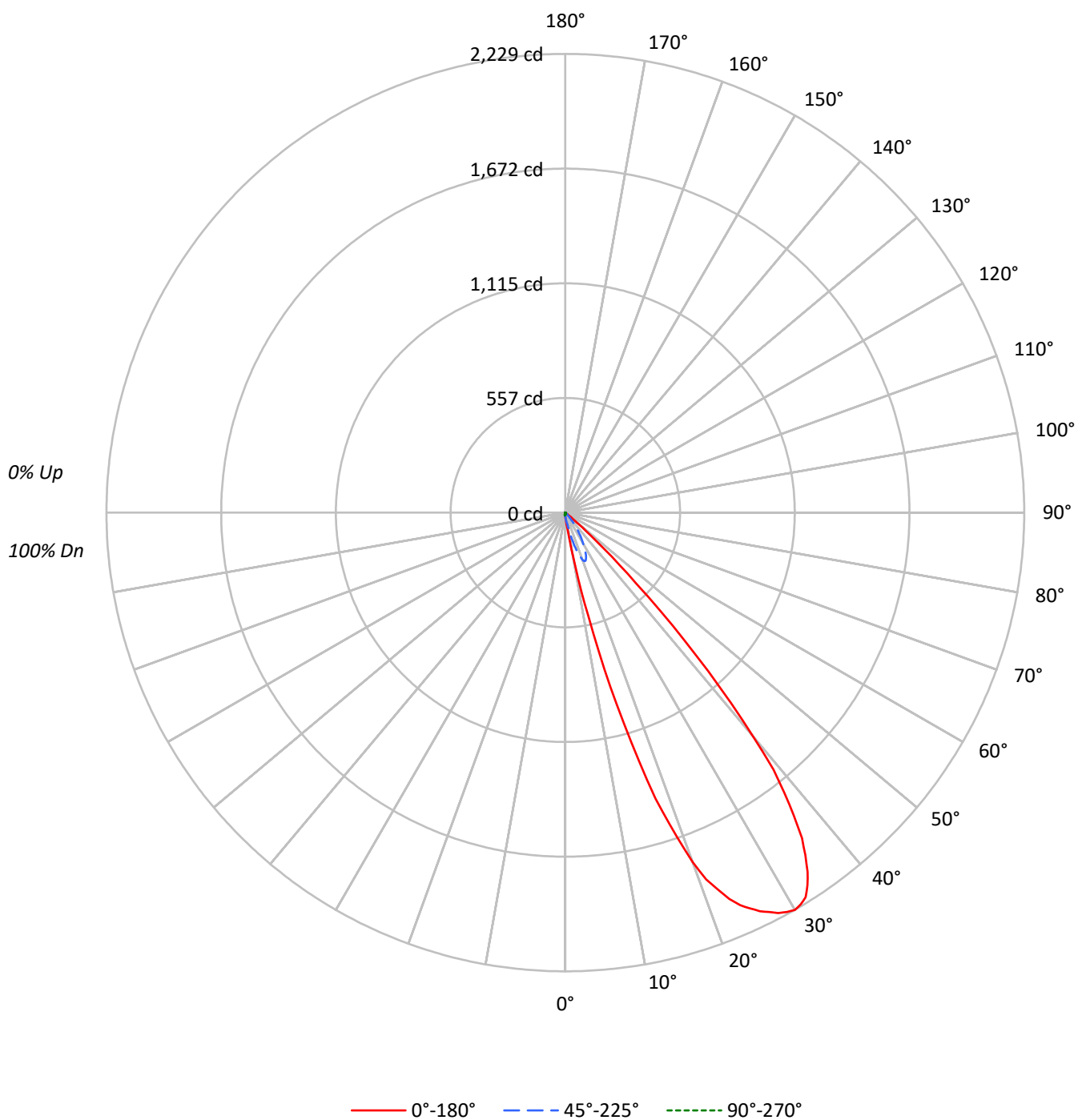
Lumens per Lamp: N/A
Luminaire Lumens: 445.9 lumens
Efficiency: N/A
Efficacy: 30.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	104	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4188	4188	4188	4188	4188
5°	10544	7792	3940	2025	1563
10°	46047	13248	3251	935	646
15°	218980	35710	2270	386	272
20°	421530	57195	1447	93	93
25°	513368	57681	798	0	0
30°	564441	44159	304	0	0
35°	543924	28081	107	0	0
40°	406419	12137	0	0	115
45°	150465	3225	124	124	372
50°	17739	409	273	273	580
55°	1759	0	306	459	803
60°	175	0	526	746	921
65°	208	208	882	1090	1297
70°	256	256	1090	1090	1603
75°	339	339	1017	1017	1440
80°	0	505	1515	1010	1515
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 150465 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.6
10°-20°	52.0	11.7
20°-30°	163.2	36.6
30°-40°	171.8	38.5
40°-50°	50.5	11.3
50°-60°	2.7	0.6
60°-70°	1.3	0.3
70°-80°	1.1	0.2
80°-90°	0.6	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°	218.0	48.9
0°-40°	389.8	87.4
0°-60°	443.0	99.3
0°-90°	445.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	48	35	18	9	7	9
15°	965	157	10	2	1	304
25°	2122	238	3	0	0	973
35°	2032	105	0	0	0	1226
45°	485	10	0	0	1	441
55°	5	0	1	1	2	12
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	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°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	29.5	30.0	28.7	29.5	28.7	28.3	27.9	25.8	22.5	19.1	15.8
5°	47.9	47.9	45.8	45.4	44.5	42.9	41.2	35.4	25.4	17.9	12.5
7.5°	74.9	74.5	73.7	71.6	67.4	63.3	59.1	46.2	27.9	16.6	9.6
10°	206.8	203.9	200.2	177.7	152.3	129.8	110.3	59.5	30.0	14.6	7.1
12.5°	513.9	497.3	457.7	412.8	355.4	295.0	235.9	97.0	30.8	12.1	5.0
15°	964.6	930.0	868.5	778.6	661.2	529.3	417.0	157.3	30.0	10.0	3.7
17.5°	1456.4	1423.1	1337.8	1201.3	1028.7	826.0	627.1	208.5	27.9	8.3	2.5
20°	1806.4	1771.0	1691.1	1546.3	1359.5	1089.4	825.6	245.1	26.2	6.2	1.2
21°	1908.8	1873.4	1788.9	1649.1	1452.7	1181.8	889.3	251.3	25.0	5.4	0.8
22°	1973.7	1952.9	1862.2	1726.5	1526.3	1255.9	943.8	254.3	24.1	5.0	0.8
23°	2039.0	2007.8	1922.9	1779.8	1582.5	1310.8	984.1	252.2	23.3	4.2	0.4
24°	2087.3	2061.1	1962.4	1821.0	1621.6	1344.5	1007.9	246.8	22.1	3.7	0.4
25°	2121.8	2097.7	1994.9	1848.8	1647.8	1362.8	1015.3	238.4	20.8	3.3	0.4
26°	2154.7	2128.5	2021.9	1865.1	1661.6	1368.6	1008.3	229.3	19.6	2.9	0.0
27°	2178.4	2151.8	2040.7	1874.6	1662.4	1361.6	989.1	216.8	18.3	2.5	0.0
28°	2203.8	2173.0	2053.6	1880.0	1657.4	1344.9	961.7	203.5	17.5	2.1	0.0
29°	2219.2	2190.1	2066.9	1885.9	1647.0	1317.0	921.7	187.7	15.4	1.2	0.0
30°	2229.2	2194.6	2065.6	1879.6	1633.3	1287.1	873.9	174.4	13.3	1.2	0.0
31°	2220.9	2184.6	2052.3	1862.2	1611.2	1248.0	824.8	157.7	10.8	0.8	0.0
32°	2203.0	2160.1	2029.0	1831.8	1571.7	1197.6	774.0	144.0	7.9	0.8	0.0
33°	2159.3	2123.1	1987.0	1791.0	1520.1	1129.4	707.8	130.7	5.4	0.4	0.0
34°	2104.3	2068.1	1929.6	1736.5	1451.0	1041.1	627.5	116.9	4.6	0.4	0.0
35°	2031.9	1996.1	1864.7	1660.3	1359.5	935.0	544.7	104.9	3.7	0.4	0.0
36°	1955.8	1908.3	1782.7	1579.2	1236.7	814.4	456.1	91.1	2.9	0.4	0.0
37°	1843.8	1811.8	1672.4	1455.6	1104.0	698.7	391.6	78.6	2.1	0.4	0.0
38°	1727.7	1698.2	1562.1	1331.2	955.8	584.2	327.9	66.6	1.7	0.0	0.0
39°	1607.9	1558.8	1424.4	1171.8	800.6	489.4	275.9	55.8	0.8	0.0	0.0
40°	1419.8	1382.4	1238.8	980.4	662.5	396.6	235.1	42.4	0.8	0.0	0.0
42.5°	941.3	906.3	755.7	531.8	352.0	231.8	155.2	16.6	0.0	0.4	0.0
45°	485.2	463.1	376.2	278.4	199.7	142.3	99.9	10.4	0.0	0.4	0.4
47.5°	192.7	188.9	170.6	147.3	113.6	84.5	54.5	4.6	0.0	0.4	0.4
50°	52.0	52.4	49.1	45.4	41.2	38.7	22.9	1.2	0.0	0.8	0.4
52.5°	22.1	22.5	21.6	20.4	18.3	13.7	9.2	0.4	0.4	0.8	0.8
55°	4.6	5.0	5.4	5.8	6.7	5.8	3.7	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.0	0.4	0.8	1.2
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.2	1.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.7	1.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.7	1.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.7	1.7
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.7	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	0.8



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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	0.4	0.4	0.8	1.2	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	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):

	135°	157.5°	180°
0°	19.1	19.1	19.1
2.5°	13.3	12.1	11.7
5°	9.2	7.9	7.1
7.5°	6.2	5.0	4.6
10°	4.2	3.3	2.9
12.5°	2.9	1.7	1.7
15°	1.7	1.2	1.2
17.5°	0.8	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.8
45°	0.4	0.8	1.2
47.5°	0.8	1.2	1.7
50°	0.8	1.7	1.7
52.5°	1.2	1.7	2.1
55°	1.2	2.1	2.1
57.5°	1.7	2.1	2.5
60°	1.7	2.1	2.1
62.5°	1.7	2.5	2.5
65°	2.1	2.5	2.5
67.5°	2.1	2.5	2.5
70°	1.7	2.1	2.5
72.5°	1.7	2.1	2.1
75°	1.2	1.7	1.7
77.5°	1.2	1.2	1.7
80°	0.8	1.2	1.2

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)