

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: P1344523

Luminaire Tested: P3A13R259740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344523
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: P3A13R259740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

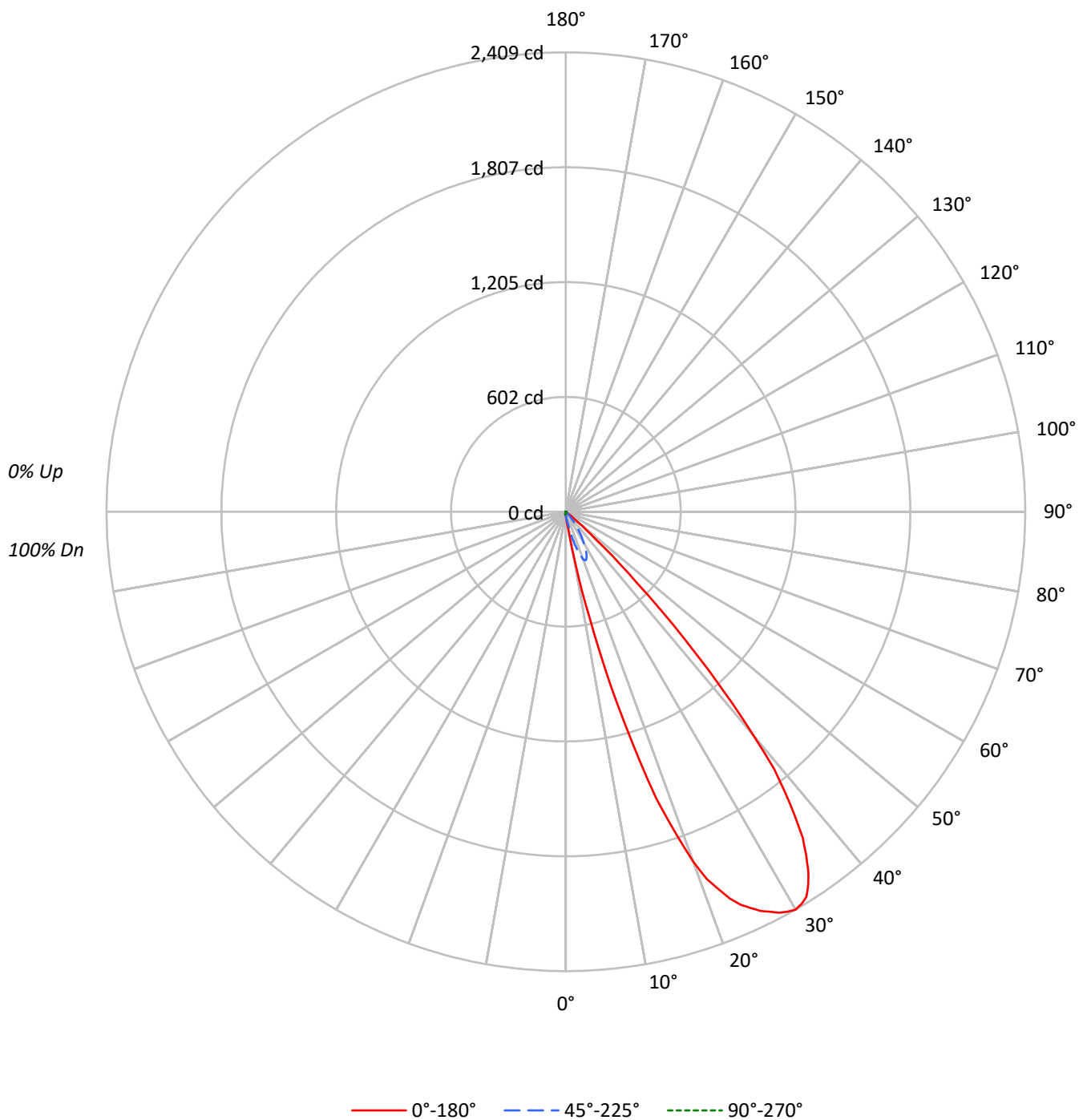
Lumens per Lamp: N/A
Luminaire Lumens: 481.9 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4539	4539	4539	4539	4539
5°	11380	8409	4248	2179	1673
10°	49765	14317	3496	1002	690
15°	236642	38593	2452	409	295
20°	455553	61815	1563	93	93
25°	554814	62350	871	0	0
30°	609993	47704	329	0	0
35°	587825	30330	107	0	0
40°	439223	13139	0	0	115
45°	162622	3473	124	124	403
50°	19172	443	307	307	614
55°	1873	0	344	497	841
60°	175	0	570	789	965
65°	208	208	934	1141	1401
70°	256	256	1154	1154	1731
75°	339	339	1101	1101	1525
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 162622 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.6
10°-20°	56.2	11.7
20°-30°	176.4	36.6
30°-40°	185.7	38.5
40°-50°	54.5	11.3
50°-60°	2.9	0.6
60°-70°	1.4	0.3
70°-80°	1.2	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°	235.6	48.9
0°-40°	421.2	87.4
0°-60°	478.7	99.3
0°-90°	481.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	52	38	19	10	8	9
15°	1042	170	11	2	1	329
25°	2293	258	4	0	0	1052
35°	2196	113	0	0	0	1325
45°	524	11	0	0	1	477
55°	5	0	1	1	2	13
65°	0	0	2	2	3	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°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
2.5°	31.9	32.4	31.0	31.9	31.0	30.6	30.1	27.9	24.3	20.7	17.1
5°	51.7	51.7	49.5	49.0	48.1	46.3	44.5	38.2	27.4	19.3	13.5
7.5°	80.9	80.5	79.6	77.4	72.9	68.4	63.9	49.9	30.1	18.0	10.3
10°	223.5	220.4	216.3	192.0	164.6	140.3	119.2	64.3	32.4	15.7	7.6
12.5°	555.4	537.4	494.7	446.1	384.1	318.8	255.0	104.8	33.3	13.0	5.4
15°	1042.4	1005.1	938.5	841.4	714.6	572.0	450.6	170.0	32.4	10.8	4.0
17.5°	1574.0	1538.0	1445.8	1298.3	1111.7	892.7	677.7	225.3	30.1	9.0	2.7
20°	1952.2	1914.0	1827.6	1671.1	1469.2	1177.3	892.2	264.9	28.3	6.7	1.3
21°	2062.8	2024.6	1933.3	1782.2	1569.9	1277.2	961.0	271.6	27.0	5.8	0.9
22°	2133.0	2110.5	2012.5	1865.9	1649.5	1357.2	1019.9	274.8	26.1	5.4	0.9
23°	2203.6	2169.9	2078.1	1923.4	1710.3	1416.6	1063.6	272.5	25.2	4.5	0.4
24°	2255.8	2227.4	2120.8	1967.9	1752.5	1453.0	1089.2	266.7	23.8	4.0	0.4
25°	2293.1	2267.0	2155.9	1998.1	1780.9	1472.8	1097.3	257.7	22.5	3.6	0.4
26°	2328.6	2300.3	2185.2	2015.6	1795.7	1479.1	1089.7	247.8	21.1	3.1	0.0
27°	2354.2	2325.5	2205.4	2026.0	1796.6	1471.5	1069.0	234.3	19.8	2.7	0.0
28°	2381.7	2348.4	2219.3	2031.8	1791.2	1453.5	1039.3	219.9	18.9	2.2	0.0
29°	2398.3	2366.8	2233.7	2038.1	1780.0	1423.3	996.1	202.8	16.6	1.3	0.0
30°	2409.1	2371.8	2232.4	2031.3	1765.1	1391.0	944.4	188.4	14.4	1.3	0.0
31°	2400.1	2361.0	2218.0	2012.5	1741.3	1348.7	891.3	170.4	11.7	0.9	0.0
32°	2380.8	2334.5	2192.8	1979.6	1698.6	1294.3	836.5	155.6	8.5	0.9	0.0
33°	2333.6	2294.4	2147.4	1935.6	1642.8	1220.5	765.0	141.2	5.8	0.4	0.0
34°	2274.2	2235.1	2085.3	1876.6	1568.1	1125.2	678.2	126.4	4.9	0.4	0.0
35°	2195.9	2157.3	2015.2	1794.4	1469.2	1010.5	588.7	113.3	4.0	0.4	0.0
36°	2113.6	2062.4	1926.6	1706.7	1336.5	880.1	492.9	98.5	3.1	0.4	0.0
37°	1992.7	1958.0	1807.4	1573.1	1193.1	755.1	423.2	85.0	2.2	0.4	0.0
38°	1867.2	1835.3	1688.2	1438.6	1033.0	631.4	354.4	72.0	1.8	0.0	0.0
39°	1737.7	1684.6	1539.4	1266.4	865.2	528.9	298.2	60.3	0.9	0.0	0.0
40°	1534.4	1493.9	1338.8	1059.5	715.9	428.6	254.1	45.9	0.9	0.0	0.0
42.5°	1017.2	979.5	816.7	574.7	380.5	250.5	167.7	18.0	0.0	0.4	0.0
45°	524.4	500.5	406.5	300.9	215.9	153.8	107.9	11.2	0.0	0.4	0.4
47.5°	208.2	204.2	184.4	159.2	122.8	91.3	58.9	4.9	0.0	0.4	0.4
50°	56.2	56.7	53.1	49.0	44.5	41.8	24.7	1.3	0.0	0.9	0.4
52.5°	23.8	24.3	23.4	22.0	19.8	14.8	9.9	0.4	0.4	0.9	0.9
55°	4.9	5.4	5.8	6.3	7.2	6.3	4.0	0.0	0.4	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.0	0.4	0.9	1.3
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9	1.3	1.3
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.8	1.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.8
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.8	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	0.9



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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	0.9	1.3	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
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°	20.7	20.7	20.7
2.5°	14.4	13.0	12.6
5°	9.9	8.5	7.6
7.5°	6.7	5.4	4.9
10°	4.5	3.6	3.1
12.5°	3.1	1.8	1.8
15°	1.8	1.3	1.3
17.5°	0.9	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	0.9
45°	0.4	0.9	1.3
47.5°	0.9	1.3	1.8
50°	0.9	1.8	1.8
52.5°	1.3	1.8	2.2
55°	1.3	2.2	2.2
57.5°	1.8	2.2	2.7
60°	1.8	2.2	2.2
62.5°	1.8	2.7	2.7
65°	2.2	2.7	2.7
67.5°	2.2	2.7	2.7
70°	1.8	2.2	2.7
72.5°	1.8	2.2	2.2
75°	1.3	1.8	1.8
77.5°	1.3	1.3	1.8
80°	0.9	1.3	1.3

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.9	0.9	0.9
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)