

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: P1344507

Luminaire Tested: P3A13R259735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344507
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: P3A13R259735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

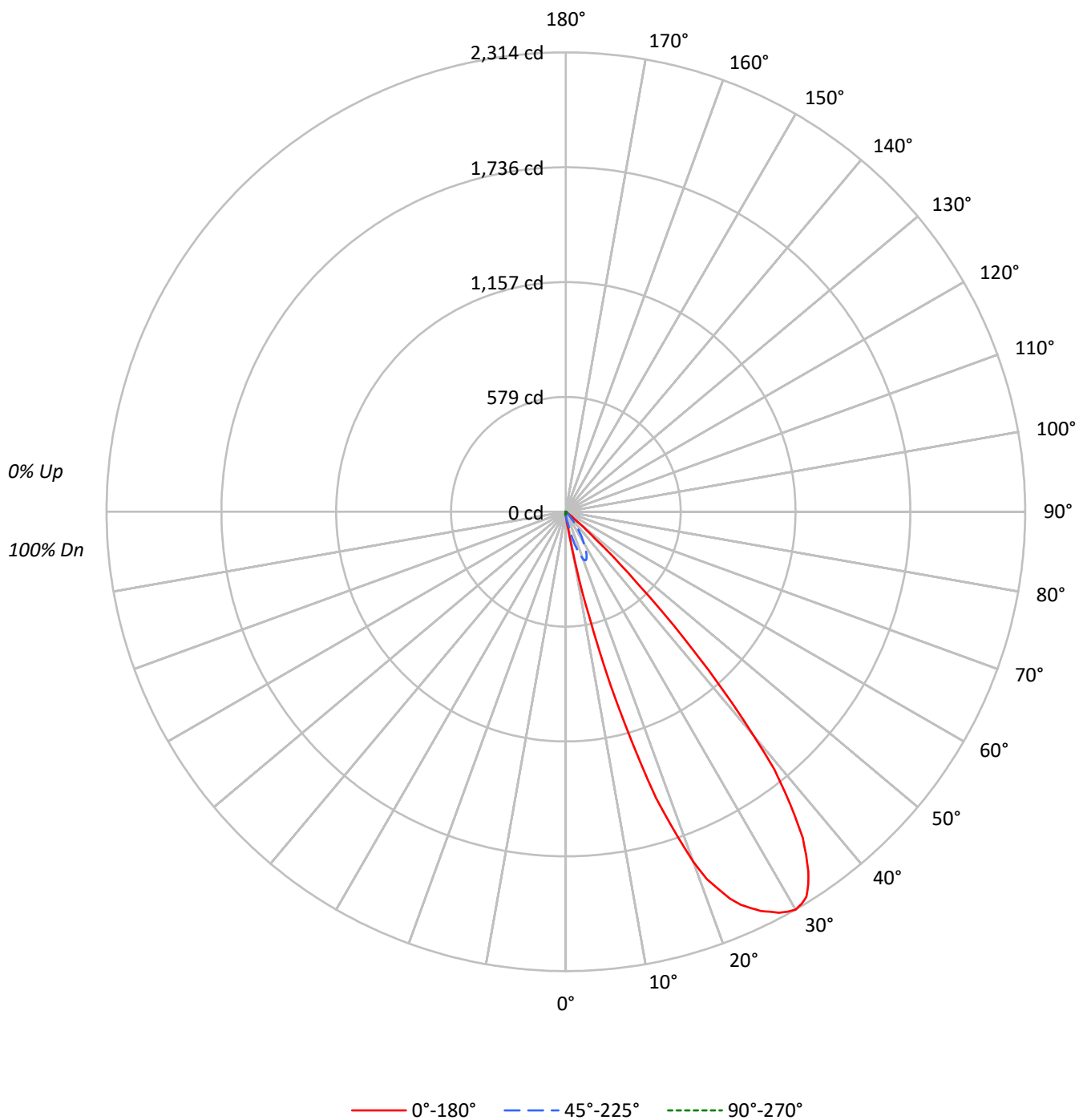
Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4364	4364	4364	4364	4364
5°	10940	8078	4094	2091	1607
10°	47806	13761	3362	957	668
15°	227311	37072	2361	386	295
20°	437585	59365	1517	93	93
25°	532942	59882	847	0	0
30°	585938	45830	329	0	0
35°	564670	29152	107	0	0
40°	421905	12624	0	0	115
45°	156202	3349	124	124	403
50°	18422	443	307	307	580
55°	1835	0	344	497	841
60°	175	0	570	746	965
65°	208	208	882	1141	1349
70°	256	256	1090	1090	1667
75°	339	339	1101	1101	1440
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 156202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.6
10°-20°	54.0	11.7
20°-30°	169.4	36.6
30°-40°	178.4	38.5
40°-50°	52.4	11.3
50°-60°	2.8	0.6
60°-70°	1.4	0.3
70°-80°	1.2	0.3
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°	226.3	48.9
0°-40°	404.6	87.4
0°-60°	459.9	99.3
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	50	37	19	10	7	9
15°	1001	163	10	2	1	316
25°	2203	248	4	0	0	1010
35°	2109	109	0	0	0	1273
45°	504	11	0	0	1	458
55°	5	0	1	1	2	12
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°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
2.5°	30.7	31.1	29.8	30.7	29.8	29.4	28.9	26.8	23.3	19.9	16.4
5°	49.7	49.7	47.5	47.1	46.2	44.5	42.8	36.7	26.4	18.6	13.0
7.5°	77.8	77.3	76.5	74.3	70.0	65.7	61.3	48.0	28.9	17.3	9.9
10°	214.7	211.7	207.8	184.5	158.1	134.8	114.5	61.8	31.1	15.1	7.3
12.5°	533.5	516.2	475.2	428.5	368.9	306.3	244.9	100.7	32.0	12.5	5.2
15°	1001.3	965.5	901.6	808.2	686.4	549.5	432.8	163.3	31.1	10.4	3.9
17.5°	1511.9	1477.4	1388.8	1247.1	1067.9	857.5	651.0	216.4	28.9	8.6	2.6
20°	1875.2	1838.5	1755.6	1605.3	1411.3	1130.9	857.1	254.4	27.2	6.5	1.3
21°	1981.5	1944.8	1857.1	1712.0	1508.1	1226.8	923.2	260.9	25.9	5.6	0.9
22°	2048.9	2027.3	1933.1	1792.3	1584.5	1303.7	979.7	263.9	25.1	5.2	0.9
23°	2116.7	2084.3	1996.2	1847.6	1642.8	1360.8	1021.6	261.8	24.2	4.3	0.4
24°	2166.8	2139.6	2037.2	1890.4	1683.4	1395.7	1046.3	256.2	22.9	3.9	0.4
25°	2202.7	2177.6	2070.9	1919.3	1710.7	1414.8	1054.0	247.5	21.6	3.5	0.4
26°	2236.8	2209.6	2099.0	1936.2	1724.9	1420.8	1046.7	238.0	20.3	3.0	0.0
27°	2261.4	2233.8	2118.5	1946.1	1725.8	1413.5	1026.8	225.1	19.0	2.6	0.0
28°	2287.8	2255.8	2131.8	1951.7	1720.6	1396.2	998.3	211.2	18.1	2.2	0.0
29°	2303.8	2273.5	2145.7	1957.8	1709.8	1367.2	956.8	194.8	16.0	1.3	0.0
30°	2314.1	2278.3	2144.4	1951.3	1695.5	1336.1	907.2	181.0	13.8	1.3	0.0
31°	2305.5	2267.9	2130.5	1933.1	1672.6	1295.5	856.2	163.7	11.2	0.9	0.0
32°	2286.9	2242.4	2106.4	1901.6	1631.6	1243.3	803.5	149.5	8.2	0.9	0.0
33°	2241.6	2204.0	2062.7	1859.3	1578.0	1172.4	734.8	135.6	5.6	0.4	0.0
34°	2184.5	2147.0	2003.1	1802.7	1506.3	1080.8	651.4	121.4	4.8	0.4	0.0
35°	2109.4	2072.2	1935.7	1723.6	1411.3	970.7	565.5	108.9	3.9	0.4	0.0
36°	2030.3	1981.1	1850.6	1639.4	1283.9	845.4	473.5	94.6	3.0	0.4	0.0
37°	1914.1	1880.9	1736.1	1511.1	1146.1	725.3	406.5	81.6	2.2	0.4	0.0
38°	1793.6	1762.9	1621.7	1381.9	992.3	606.5	340.4	69.1	1.7	0.0	0.0
39°	1669.2	1618.2	1478.7	1216.5	831.1	508.0	286.4	57.9	0.9	0.0	0.0
40°	1473.9	1435.1	1286.0	1017.8	687.7	411.7	244.1	44.1	0.9	0.0	0.0
42.5°	977.1	940.9	784.5	552.1	365.5	240.6	161.1	17.3	0.0	0.4	0.0
45°	503.7	480.8	390.5	289.0	207.4	147.7	103.7	10.8	0.0	0.4	0.4
47.5°	200.0	196.1	177.1	152.9	117.9	87.7	56.6	4.8	0.0	0.4	0.4
50°	54.0	54.4	51.0	47.1	42.8	40.2	23.8	1.3	0.0	0.9	0.4
52.5°	22.9	23.3	22.5	21.2	19.0	14.3	9.5	0.4	0.4	0.9	0.9
55°	4.8	5.2	5.6	6.0	6.9	6.0	3.9	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	1.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.7	1.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.7
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	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°	19.9	19.9	19.9
2.5°	13.8	12.5	12.1
5°	9.5	8.2	7.3
7.5°	6.5	5.2	4.8
10°	4.3	3.5	3.0
12.5°	3.0	1.7	1.7
15°	1.7	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	1.7
50°	0.9	1.7	1.7
52.5°	1.3	1.7	2.2
55°	1.3	2.2	2.2
57.5°	1.7	2.2	2.6
60°	1.7	2.2	2.2
62.5°	1.7	2.6	2.6
65°	2.2	2.6	2.6
67.5°	2.2	2.6	2.6
70°	1.7	2.2	2.6
72.5°	1.7	2.2	2.2
75°	1.3	1.7	1.7
77.5°	1.3	1.3	1.7
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)