

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: P1344571

Luminaire Tested: P3A13R259835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344571
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: P3A13R259835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

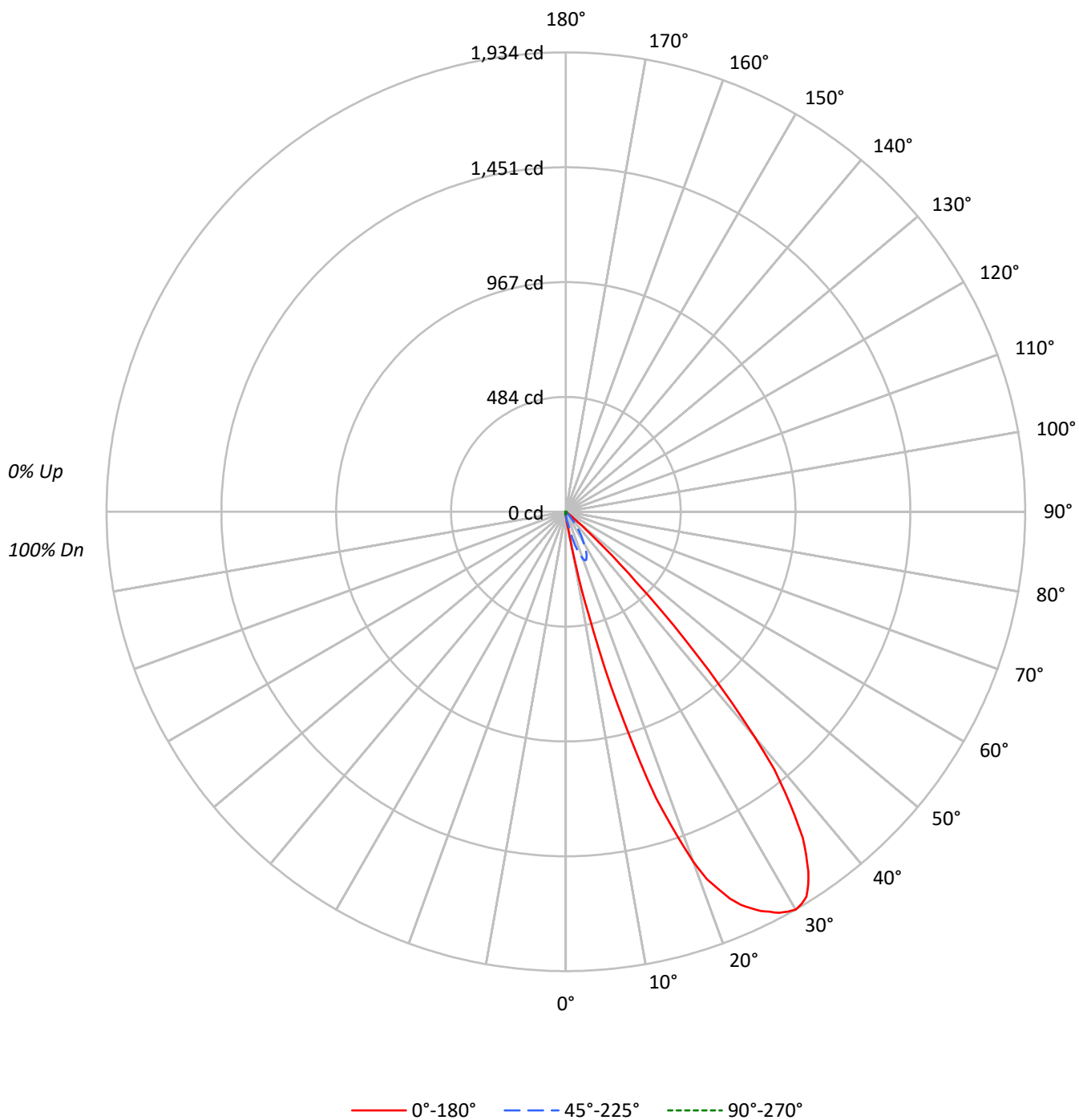
Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 26.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

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	103	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°	3640	3640	3640	3640	3640
5°	9135	6758	3412	1739	1343
10°	39968	11489	2806	802	557
15°	190012	30988	1975	318	250
20°	365758	49634	1260	93	93
25°	445453	50059	702	0	0
30°	489772	38310	279	0	0
35°	471968	24360	107	0	0
40°	352661	10534	0	0	115
45°	130556	2791	124	124	341
50°	15385	375	239	239	478
55°	1529	0	268	421	688
60°	175	0	482	614	789
65°	208	208	726	934	1141
70°	256	256	898	898	1410
75°	339	339	932	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: 130556 cd/sqm

TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.6
10°-20°	45.1	11.7
20°-30°	141.6	36.6
30°-40°	149.1	38.5
40°-50°	43.8	11.3
50°-60°	2.3	0.6
60°-70°	1.1	0.3
70°-80°	1.0	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°	189.2	48.9
0°-40°	338.2	87.4
0°-60°	384.4	99.3
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	42	31	16	8	6	7
15°	837	136	9	1	1	264
25°	1841	207	3	0	0	844
35°	1763	91	0	0	0	1064
45°	421	9	0	0	1	383
55°	4	0	1	1	2	10
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	

TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	25.6	26.0	24.9	25.6	24.9	24.6	24.2	22.4	19.5	16.6	13.7
5°	41.5	41.5	39.7	39.4	38.6	37.2	35.7	30.7	22.0	15.5	10.8
7.5°	65.0	64.6	63.9	62.1	58.5	54.9	51.3	40.1	24.2	14.4	8.3
10°	179.5	176.9	173.7	154.2	132.2	112.7	95.7	51.6	26.0	12.6	6.1
12.5°	445.9	431.5	397.2	358.2	308.4	256.0	204.7	84.1	26.7	10.5	4.3
15°	837.0	807.0	753.6	675.6	573.7	459.3	361.8	136.5	26.0	8.7	3.2
17.5°	1263.8	1234.9	1160.9	1042.4	892.6	716.7	544.1	180.9	24.2	7.2	2.2
20°	1567.4	1536.7	1467.4	1341.8	1179.6	945.3	716.4	212.7	22.7	5.4	1.1
21°	1656.3	1625.6	1552.3	1430.9	1260.5	1025.5	771.6	218.1	21.7	4.7	0.7
22°	1712.6	1694.5	1615.8	1498.1	1324.4	1089.7	818.9	220.6	20.9	4.3	0.7
23°	1769.3	1742.2	1668.5	1544.3	1373.2	1137.4	853.9	218.8	20.2	3.6	0.4
24°	1811.2	1788.4	1702.8	1580.1	1407.1	1166.6	874.5	214.1	19.1	3.2	0.4
25°	1841.1	1820.2	1731.0	1604.3	1429.9	1182.5	881.0	206.9	18.1	2.9	0.4
26°	1869.7	1846.9	1754.5	1618.3	1441.8	1187.6	874.9	199.0	17.0	2.5	0.0
27°	1890.2	1867.1	1770.7	1626.6	1442.5	1181.4	858.3	188.1	15.9	2.2	0.0
28°	1912.3	1885.5	1781.9	1631.3	1438.2	1167.0	834.4	176.6	15.2	1.8	0.0
29°	1925.6	1900.3	1793.5	1636.4	1429.1	1142.8	799.8	162.8	13.4	1.1	0.0
30°	1934.3	1904.3	1792.4	1631.0	1417.2	1116.8	758.3	151.3	11.6	1.1	0.0
31°	1927.1	1895.6	1780.8	1615.8	1398.1	1082.9	715.7	136.8	9.4	0.7	0.0
32°	1911.5	1874.3	1760.6	1589.5	1363.8	1039.2	671.6	124.9	6.9	0.7	0.0
33°	1873.6	1842.2	1724.1	1554.1	1319.0	980.0	614.2	113.4	4.7	0.4	0.0
34°	1826.0	1794.5	1674.3	1506.8	1259.1	903.4	544.5	101.5	4.0	0.4	0.0
35°	1763.1	1732.1	1618.0	1440.7	1179.6	811.3	472.6	91.0	3.2	0.4	0.0
36°	1697.1	1655.9	1546.8	1370.3	1073.1	706.6	395.7	79.1	2.5	0.4	0.0
37°	1599.9	1572.1	1451.2	1263.0	957.9	606.2	339.8	68.2	1.8	0.4	0.0
38°	1499.2	1473.6	1355.5	1155.1	829.4	507.0	284.5	57.8	1.4	0.0	0.0
39°	1395.2	1352.6	1236.0	1016.8	694.7	424.6	239.4	48.4	0.7	0.0	0.0
40°	1232.0	1199.5	1074.9	850.7	574.8	344.1	204.0	36.8	0.7	0.0	0.0
42.5°	816.8	786.4	655.7	461.5	305.5	201.1	134.7	14.4	0.0	0.4	0.0
45°	421.0	401.9	326.4	241.6	173.3	123.5	86.7	9.0	0.0	0.4	0.4
47.5°	167.2	163.9	148.0	127.8	98.6	73.3	47.3	4.0	0.0	0.4	0.4
50°	45.1	45.5	42.6	39.4	35.7	33.6	19.9	1.1	0.0	0.7	0.4
52.5°	19.1	19.5	18.8	17.7	15.9	11.9	7.9	0.4	0.4	0.7	0.7
55°	4.0	4.3	4.7	5.1	5.8	5.1	3.2	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.4	1.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

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	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	16.6	16.6	16.6
2.5°	11.6	10.5	10.1
5°	7.9	6.9	6.1
7.5°	5.4	4.3	4.0
10°	3.6	2.9	2.5
12.5°	2.5	1.4	1.4
15°	1.4	1.1	1.1
17.5°	0.7	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	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.4
50°	0.7	1.4	1.4
52.5°	1.1	1.4	1.8
55°	1.1	1.8	1.8
57.5°	1.4	1.8	2.2
60°	1.4	1.8	1.8
62.5°	1.4	2.2	2.2
65°	1.8	2.2	2.2
67.5°	1.8	2.2	2.2
70°	1.4	1.8	2.2
72.5°	1.4	1.8	1.8
75°	1.1	1.4	1.4
77.5°	1.1	1.1	1.4
80°	0.7	1.1	1.1

TEST NUMBER: P1344571

CATALOG NUMBER: P3A13R259835DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
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)