

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: P1344539

Luminaire Tested: P3A13R259827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344539
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: P3A13R259827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

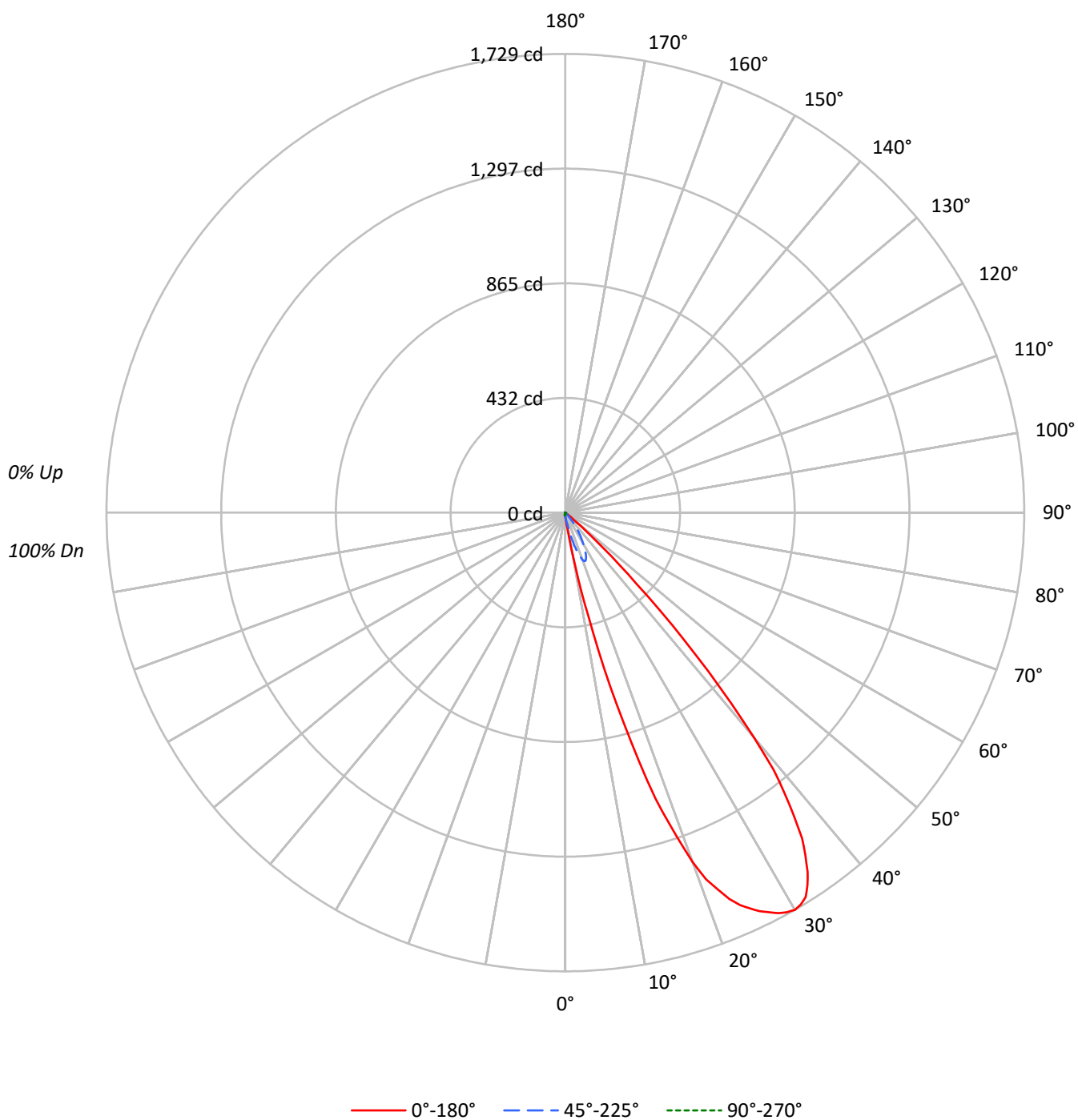
Lumens per Lamp: N/A
Luminaire Lumens: 346.0 lumens
Efficiency: N/A
Efficacy: 23.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1344539

CATALOG NUMBER: P3A13R259827DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1344539

CATALOG NUMBER: P3A13R259827DE010 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	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°	3245	3245	3245	3245	3245
5°	8166	6031	3060	1563	1211
10°	35715	10287	2516	713	512
15°	169876	27696	1748	295	227
20°	327022	44361	1120	70	70
25°	398273	44761	629	0	0
30°	437890	34258	253	0	0
35°	421963	21790	80	0	0
40°	315305	9418	0	0	86
45°	116725	2512	93	93	310
50°	13782	341	205	205	443
55°	1376	0	229	382	612
60°	132	0	439	570	702
65°	156	156	675	830	986
70°	192	192	833	833	1218
75°	254	254	847	847	1101
80°	0	379	1263	758	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 116725 cd/sqm

TEST NUMBER: P1344539

CATALOG NUMBER: P3A13R259827DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.6
10°-20°	40.3	11.7
20°-30°	126.6	36.6
30°-40°	133.3	38.5
40°-50°	39.2	11.3
50°-60°	2.1	0.6
60°-70°	1.0	0.3
70°-80°	0.9	0.3
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°	169.1	48.9
0°-40°	302.4	87.4
0°-60°	343.6	99.3
0°-90°	346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	37	27	14	7	6	7
15°	748	122	8	1	1	236
25°	1646	185	3	0	0	755
35°	1576	81	0	0	0	951
45°	376	8	0	0	1	342
55°	4	0	1	1	2	9
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: P1344539

CATALOG NUMBER: P3A13R259827DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
2.5°	22.9	23.2	22.3	22.9	22.3	22.0	21.6	20.0	17.4	14.8	12.3
5°	37.1	37.1	35.5	35.2	34.5	33.3	32.0	27.4	19.7	13.9	9.7
7.5°	58.1	57.8	57.1	55.5	52.3	49.1	45.8	35.8	21.6	12.9	7.4
10°	160.4	158.2	155.3	137.8	118.2	100.7	85.5	46.2	23.2	11.3	5.5
12.5°	398.7	385.8	355.1	320.2	275.7	228.9	183.0	75.2	23.9	9.4	3.9
15°	748.3	721.5	673.7	604.0	513.0	410.6	323.5	122.0	23.2	7.7	2.9
17.5°	1129.9	1104.1	1037.9	932.0	798.0	640.8	486.5	161.7	21.6	6.5	1.9
20°	1401.4	1373.9	1312.0	1199.6	1054.7	845.1	640.5	190.1	20.3	4.8	1.0
21°	1480.8	1453.3	1387.8	1279.3	1127.0	916.8	689.9	195.0	19.4	4.2	0.6
22°	1531.1	1515.0	1444.6	1339.4	1184.1	974.3	732.2	197.2	18.7	3.9	0.6
23°	1581.8	1557.6	1491.8	1380.7	1227.7	1016.9	763.5	195.6	18.1	3.2	0.3
24°	1619.3	1598.9	1522.4	1412.7	1258.0	1043.0	781.9	191.4	17.1	2.9	0.3
25°	1646.1	1627.3	1547.6	1434.3	1278.4	1057.2	787.7	185.0	16.1	2.6	0.3
26°	1671.6	1651.2	1568.6	1446.9	1289.0	1061.8	782.2	177.9	15.2	2.3	0.0
27°	1690.0	1669.3	1583.1	1454.3	1289.7	1056.3	767.3	168.2	14.2	1.9	0.0
28°	1709.7	1685.8	1593.1	1458.5	1285.8	1043.4	746.0	157.9	13.6	1.6	0.0
29°	1721.6	1699.0	1603.5	1463.0	1277.7	1021.7	715.1	145.6	11.9	1.0	0.0
30°	1729.4	1702.6	1602.5	1458.2	1267.1	998.5	677.9	135.3	10.3	1.0	0.0
31°	1722.9	1694.8	1592.2	1444.6	1250.0	968.1	639.8	122.3	8.4	0.6	0.0
32°	1709.0	1675.8	1574.1	1421.1	1219.3	929.1	600.4	111.7	6.1	0.6	0.0
33°	1675.1	1647.0	1541.5	1389.4	1179.3	876.1	549.1	101.4	4.2	0.3	0.0
34°	1632.5	1604.4	1496.9	1347.1	1125.7	807.7	486.8	90.7	3.6	0.3	0.0
35°	1576.3	1548.6	1446.6	1288.1	1054.7	725.4	422.6	81.4	2.9	0.3	0.0
36°	1517.3	1480.5	1383.0	1225.1	959.4	631.8	353.8	70.7	2.3	0.3	0.0
37°	1430.4	1405.6	1297.4	1129.2	856.4	542.0	303.8	61.0	1.6	0.3	0.0
38°	1340.4	1317.4	1211.9	1032.7	741.5	453.2	254.4	51.7	1.3	0.0	0.0
39°	1247.4	1209.3	1105.0	909.1	621.1	379.6	214.0	43.3	0.6	0.0	0.0
40°	1101.5	1072.4	961.0	760.6	513.9	307.6	182.4	32.9	0.6	0.0	0.0
42.5°	730.2	703.1	586.2	412.6	273.1	179.8	120.4	12.9	0.0	0.3	0.0
45°	376.4	359.3	291.8	216.0	155.0	110.4	77.5	8.1	0.0	0.3	0.3
47.5°	149.5	146.6	132.4	114.3	88.1	65.5	42.3	3.6	0.0	0.3	0.3
50°	40.4	40.7	38.1	35.2	32.0	30.0	17.8	1.0	0.0	0.6	0.3
52.5°	17.1	17.4	16.8	15.8	14.2	10.7	7.1	0.3	0.3	0.6	0.6
55°	3.6	3.9	4.2	4.5	5.2	4.5	2.9	0.0	0.3	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	1.0	1.0	0.6	0.0	0.3	0.6	1.0
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6	1.0	1.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	1.0	1.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	1.3	1.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	1.0	0.6



TEST NUMBER: P1344539

CATALOG NUMBER: P3A13R259827DE010 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	0.3	0.3	0.6	1.0	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0	0.6
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: P1344539

CATALOG NUMBER: P3A13R259827DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	14.8	14.8	14.8
2.5°	10.3	9.4	9.0
5°	7.1	6.1	5.5
7.5°	4.8	3.9	3.6
10°	3.2	2.6	2.3
12.5°	2.3	1.3	1.3
15°	1.3	1.0	1.0
17.5°	0.6	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.6
45°	0.3	0.6	1.0
47.5°	0.6	1.0	1.3
50°	0.6	1.3	1.3
52.5°	1.0	1.3	1.6
55°	1.0	1.6	1.6
57.5°	1.3	1.6	1.9
60°	1.3	1.6	1.6
62.5°	1.3	1.9	1.9
65°	1.6	1.9	1.9
67.5°	1.6	1.9	1.9
70°	1.3	1.6	1.9
72.5°	1.3	1.6	1.6
75°	1.0	1.3	1.3
77.5°	1.0	1.0	1.3
80°	0.6	1.0	1.0

TEST NUMBER: P1344539

CATALOG NUMBER: P3A13R259827DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.6	0.6	0.6
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)