

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: P1340857

Luminaire Tested: P3A09R259030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1340857
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: P3A09R259030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

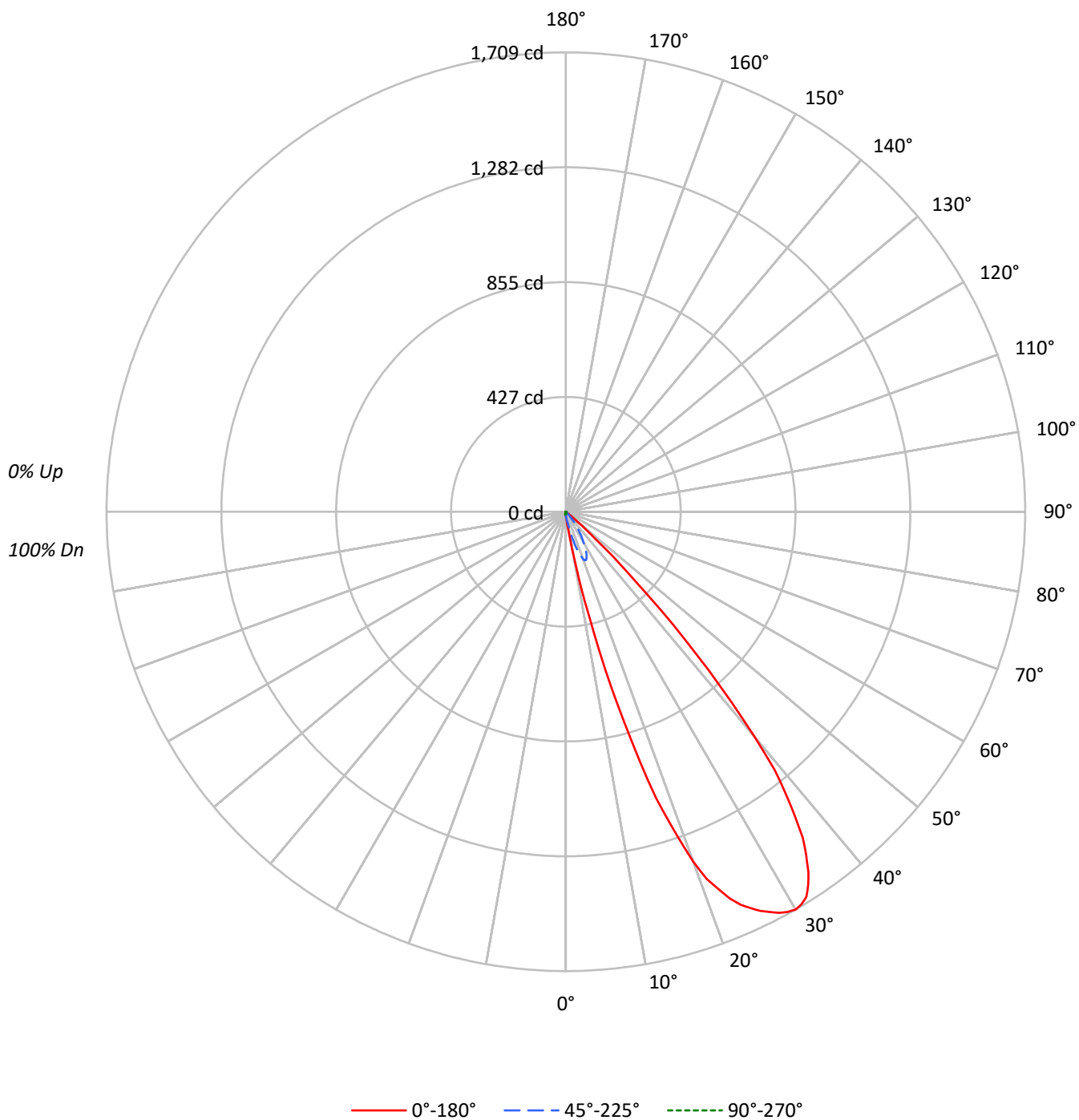
Lumens per Lamp: N/A
Luminaire Lumens: 342.0 lumens
Efficiency: N/A
Efficacy: 23.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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°	3223	3223	3223	3223	3223
5°	8078	5965	3016	1541	1189
10°	35314	10153	2494	713	490
15°	167924	27378	1748	295	227
20°	323241	43847	1120	70	70
25°	393652	44228	629	0	0
30°	432826	33853	253	0	0
35°	417091	21522	80	0	0
40°	311641	9303	0	0	86
45°	115392	2481	93	93	310
50°	13611	341	205	205	443
55°	1338	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: 115392 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.6
10°-20°	39.9	11.7
20°-30°	125.1	36.6
30°-40°	131.7	38.5
40°-50°	38.7	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°	167.2	48.9
0°-40°	298.9	87.4
0°-60°	339.7	99.3
0°-90°	342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	37	27	14	7	5	7
15°	740	121	8	1	1	233
25°	1627	183	3	0	0	746
35°	1558	80	0	0	0	940
45°	372	8	0	0	1	338
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
2.5°	22.7	23.0	22.0	22.7	22.0	21.7	21.4	19.8	17.2	14.7	12.1
5°	36.7	36.7	35.1	34.8	34.1	32.9	31.6	27.1	19.5	13.7	9.6
7.5°	57.4	57.1	56.5	54.9	51.7	48.5	45.3	35.4	21.4	12.8	7.3
10°	158.6	156.4	153.5	136.3	116.8	99.6	84.6	45.6	23.0	11.2	5.4
12.5°	394.1	381.3	351.0	316.5	272.5	226.2	180.9	74.3	23.6	9.3	3.8
15°	739.7	713.2	665.9	597.0	507.0	405.9	319.7	120.6	23.0	7.7	2.9
17.5°	1116.8	1091.3	1025.9	921.2	788.8	633.4	480.9	159.9	21.4	6.4	1.9
20°	1385.2	1358.0	1296.8	1185.7	1042.5	835.4	633.1	187.9	20.1	4.8	1.0
21°	1463.7	1436.5	1371.8	1264.6	1113.9	906.2	681.9	192.7	19.1	4.1	0.6
22°	1513.4	1497.5	1427.9	1323.9	1170.4	963.0	723.7	195.0	18.5	3.8	0.6
23°	1563.5	1539.6	1474.5	1364.7	1213.5	1005.1	754.6	193.4	17.9	3.2	0.3
24°	1600.6	1580.5	1504.8	1396.3	1243.5	1031.0	772.8	189.2	16.9	2.9	0.3
25°	1627.0	1608.5	1529.7	1417.7	1263.6	1045.0	778.6	182.8	16.0	2.6	0.3
26°	1652.2	1632.1	1550.5	1430.2	1274.1	1049.5	773.2	175.8	15.0	2.2	0.0
27°	1670.4	1650.0	1564.8	1437.5	1274.8	1044.1	758.5	166.2	14.0	1.9	0.0
28°	1689.9	1666.3	1574.7	1441.7	1270.9	1031.3	737.4	156.0	13.4	1.6	0.0
29°	1701.7	1679.4	1584.9	1446.1	1263.0	1009.9	706.8	143.9	11.8	1.0	0.0
30°	1709.4	1682.9	1584.0	1441.3	1252.4	986.9	670.1	133.7	10.2	1.0	0.0
31°	1703.0	1675.2	1573.8	1427.9	1235.5	957.0	632.4	120.9	8.3	0.6	0.0
32°	1689.3	1656.4	1555.9	1404.6	1205.2	918.3	593.5	110.4	6.1	0.6	0.0
33°	1655.8	1628.0	1523.7	1373.4	1165.6	866.0	542.8	100.2	4.1	0.3	0.0
34°	1613.6	1585.9	1479.6	1331.6	1112.7	798.4	481.2	89.7	3.5	0.3	0.0
35°	1558.1	1530.7	1429.8	1273.2	1042.5	717.0	417.7	80.4	2.9	0.3	0.0
36°	1499.7	1463.3	1367.0	1210.9	948.3	624.5	349.7	69.9	2.2	0.3	0.0
37°	1413.9	1389.3	1282.4	1116.2	846.5	535.8	300.3	60.3	1.6	0.3	0.0
38°	1324.9	1302.2	1197.9	1020.8	733.0	448.0	251.4	51.1	1.3	0.0	0.0
39°	1233.0	1195.3	1092.2	898.6	613.9	375.3	211.6	42.8	0.6	0.0	0.0
40°	1088.7	1060.0	949.9	751.8	508.0	304.1	180.3	32.5	0.6	0.0	0.0
42.5°	721.8	695.0	579.5	407.8	270.0	177.7	119.0	12.8	0.0	0.3	0.0
45°	372.1	355.1	288.5	213.5	153.2	109.1	76.6	8.0	0.0	0.3	0.3
47.5°	147.7	144.9	130.8	113.0	87.1	64.8	41.8	3.5	0.0	0.3	0.3
50°	39.9	40.2	37.7	34.8	31.6	29.7	17.5	1.0	0.0	0.6	0.3
52.5°	16.9	17.2	16.6	15.6	14.0	10.5	7.0	0.3	0.3	0.6	0.6
55°	3.5	3.8	4.1	4.5	5.1	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



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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	0.3	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	14.7	14.7	14.7
2.5°	10.2	9.3	8.9
5°	7.0	6.1	5.4
7.5°	4.8	3.8	3.5
10°	3.2	2.6	2.2
12.5°	2.2	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

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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)