

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: P1344555

Luminaire Tested: P3A13R259830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344555
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: P3A13R259830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

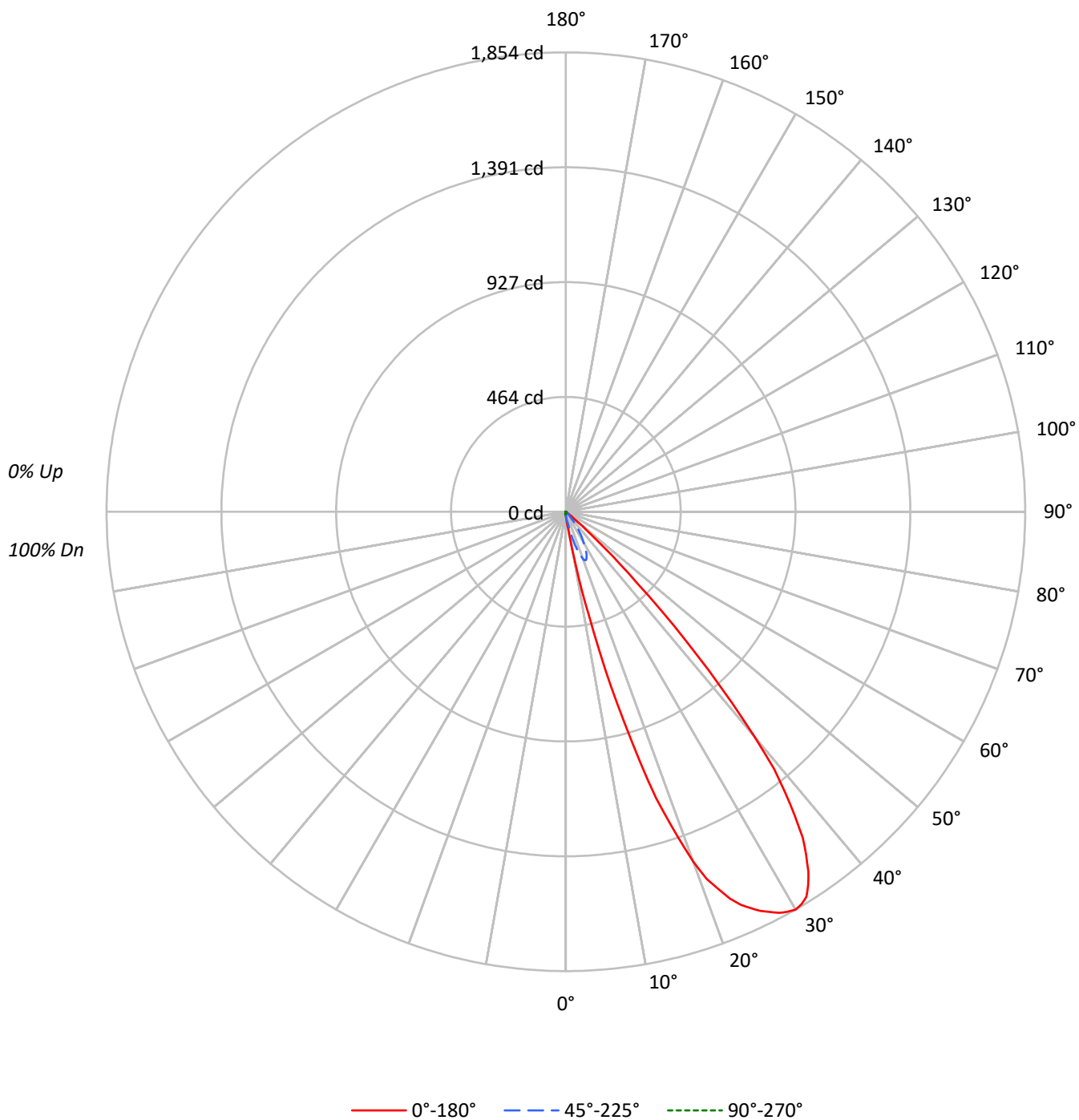
Lumens per Lamp: N/A
Luminaire Lumens: 370.9 lumens
Efficiency: N/A
Efficacy: 25.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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°	3487	3487	3487	3487	3487
5°	8761	6471	3280	1673	1299
10°	38298	11022	2694	779	534
15°	182158	29694	1884	318	227
20°	350637	47581	1213	70	70
25°	427041	47979	677	0	0
30°	469515	36715	253	0	0
35°	452453	23343	80	0	0
40°	338091	10105	0	0	86
45°	125160	2698	93	93	310
50°	14771	341	239	239	478
55°	1453	0	268	382	650
60°	132	0	439	614	746
65°	156	156	726	882	1090
70°	192	192	898	898	1346
75°	254	254	847	847	1186
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 125160 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.6
10°-20°	43.3	11.7
20°-30°	135.8	36.6
30°-40°	142.9	38.5
40°-50°	42.0	11.3
50°-60°	2.2	0.6
60°-70°	1.1	0.3
70°-80°	0.9	0.2
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°	181.3	48.9
0°-40°	324.2	87.4
0°-60°	368.5	99.3
0°-90°	370.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	370.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	40	29	15	8	6	7
15°	802	131	8	1	1	253
25°	1765	198	3	0	0	810
35°	1690	87	0	0	0	1020
45°	404	9	0	0	1	367
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
2.5°	24.6	24.9	23.9	24.6	23.9	23.5	23.2	21.5	18.7	15.9	13.2
5°	39.8	39.8	38.1	37.7	37.0	35.7	34.3	29.4	21.1	14.9	10.4
7.5°	62.3	62.0	61.3	59.5	56.1	52.6	49.2	38.4	23.2	13.8	8.0
10°	172.0	169.6	166.5	147.8	126.7	108.0	91.7	49.5	24.9	12.1	5.9
12.5°	427.5	413.6	380.8	343.4	295.6	245.4	196.3	80.7	25.6	10.0	4.2
15°	802.4	773.6	722.4	647.6	550.0	440.3	346.8	130.8	24.9	8.3	3.1
17.5°	1211.5	1183.8	1112.9	999.3	855.7	687.1	521.6	173.4	23.2	6.9	2.1
20°	1502.6	1473.2	1406.7	1286.3	1130.9	906.2	686.8	203.9	21.8	5.2	1.0
21°	1587.8	1558.4	1488.1	1371.8	1208.4	983.1	739.7	209.1	20.8	4.5	0.7
22°	1641.8	1624.5	1549.0	1436.2	1269.7	1044.7	785.1	211.5	20.1	4.2	0.7
23°	1696.1	1670.2	1599.5	1480.5	1316.4	1090.4	818.6	209.8	19.4	3.5	0.3
24°	1736.3	1714.5	1632.4	1514.7	1348.9	1118.4	838.4	205.3	18.3	3.1	0.3
25°	1765.0	1744.9	1659.4	1537.9	1370.7	1133.6	844.6	198.3	17.3	2.8	0.3
26°	1792.4	1770.5	1681.9	1551.4	1382.2	1138.5	838.7	190.7	16.3	2.4	0.0
27°	1812.1	1789.9	1697.5	1559.4	1382.9	1132.6	822.8	180.3	15.2	2.1	0.0
28°	1833.2	1807.6	1708.2	1563.9	1378.7	1118.7	799.9	169.3	14.5	1.7	0.0
29°	1846.0	1821.8	1719.3	1568.7	1370.1	1095.6	766.7	156.1	12.8	1.0	0.0
30°	1854.3	1825.6	1718.3	1563.5	1358.6	1070.6	726.9	145.0	11.1	1.0	0.0
31°	1847.4	1817.3	1707.2	1549.0	1340.3	1038.1	686.1	131.2	9.0	0.7	0.0
32°	1832.5	1796.9	1687.8	1523.7	1307.4	996.2	643.8	119.8	6.6	0.7	0.0
33°	1796.2	1766.0	1652.9	1489.8	1264.5	939.4	588.8	108.7	4.5	0.3	0.0
34°	1750.5	1720.4	1605.1	1444.5	1207.0	866.1	522.0	97.3	3.8	0.3	0.0
35°	1690.2	1660.5	1551.1	1381.1	1130.9	777.8	453.1	87.2	3.1	0.3	0.0
36°	1626.9	1587.4	1482.9	1313.6	1028.8	677.4	379.4	75.8	2.4	0.3	0.0
37°	1533.8	1507.1	1391.2	1210.8	918.3	581.2	325.7	65.4	1.7	0.3	0.0
38°	1437.2	1412.6	1299.4	1107.3	795.1	486.0	272.8	55.4	1.4	0.0	0.0
39°	1337.5	1296.7	1184.9	974.8	666.0	407.1	229.5	46.4	0.7	0.0	0.0
40°	1181.1	1149.9	1030.5	815.5	551.1	329.9	195.6	35.3	0.7	0.0	0.0
42.5°	783.0	753.9	628.6	442.4	292.8	192.8	129.1	13.8	0.0	0.3	0.0
45°	403.6	385.3	312.9	231.6	166.2	118.4	83.1	8.7	0.0	0.3	0.3
47.5°	160.3	157.2	141.9	122.5	94.5	70.3	45.3	3.8	0.0	0.3	0.3
50°	43.3	43.6	40.8	37.7	34.3	32.2	19.0	1.0	0.0	0.7	0.3
52.5°	18.3	18.7	18.0	17.0	15.2	11.4	7.6	0.3	0.3	0.7	0.7
55°	3.8	4.2	4.5	4.8	5.5	4.8	3.1	0.0	0.3	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.0	0.3	0.7	1.0
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7	1.0	1.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	1.4
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.4	1.4
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.4
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.4
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	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	0.7	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	0.7



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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	0.7	1.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	15.9	15.9	15.9
2.5°	11.1	10.0	9.7
5°	7.6	6.6	5.9
7.5°	5.2	4.2	3.8
10°	3.5	2.8	2.4
12.5°	2.4	1.4	1.4
15°	1.4	1.0	1.0
17.5°	0.7	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	0.7
45°	0.3	0.7	1.0
47.5°	0.7	1.0	1.4
50°	0.7	1.4	1.4
52.5°	1.0	1.4	1.7
55°	1.0	1.7	1.7
57.5°	1.4	1.7	2.1
60°	1.4	1.7	1.7
62.5°	1.4	2.1	2.1
65°	1.7	2.1	2.1
67.5°	1.7	2.1	2.1
70°	1.4	1.7	2.1
72.5°	1.4	1.7	1.7
75°	1.0	1.4	1.4
77.5°	1.0	1.0	1.4
80°	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
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)