

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: P1336281

Luminaire Tested: P3A05R159024DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159024DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

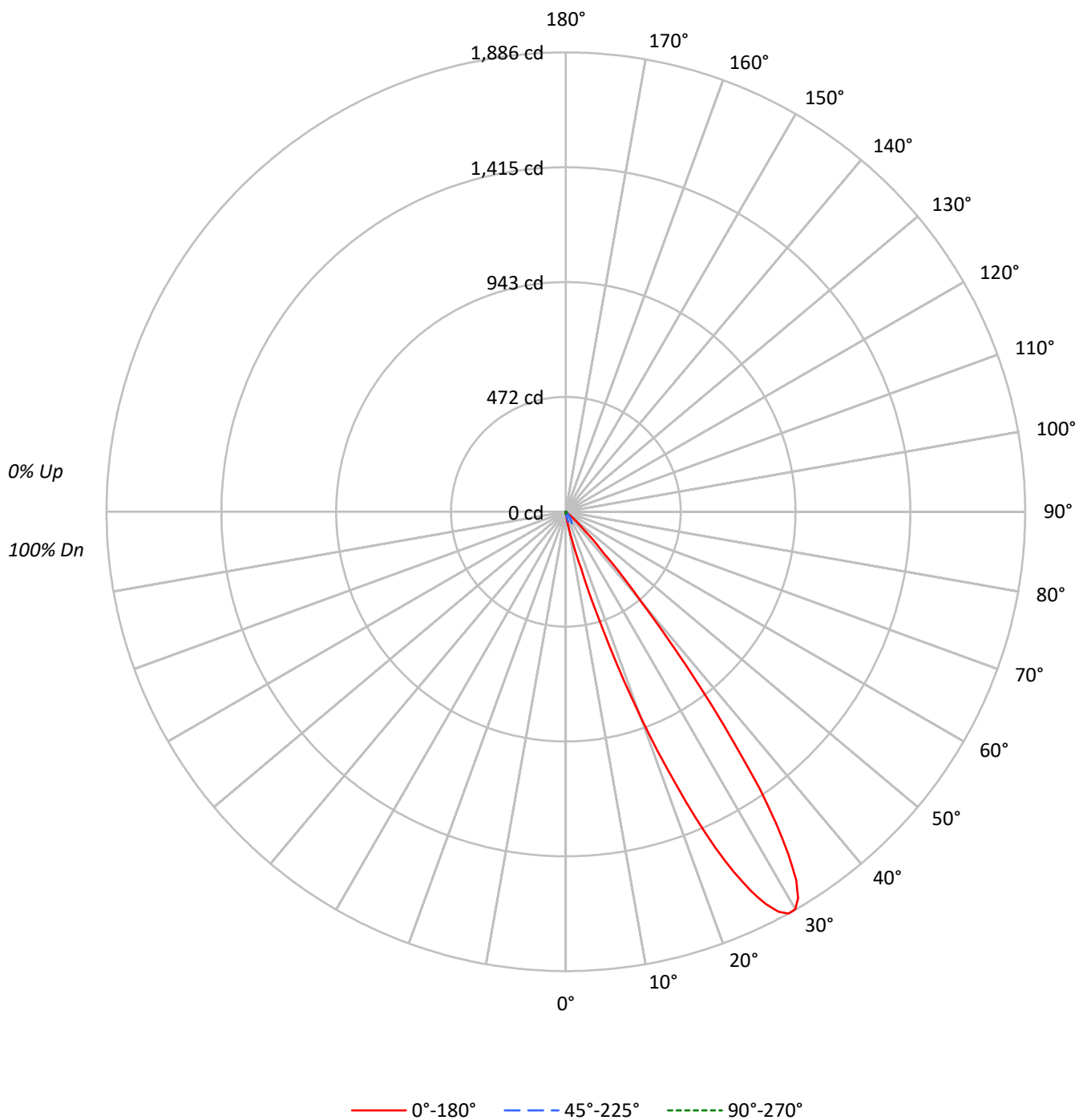
Lumens per Lamp: N/A
Luminaire Lumens: 206.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	96	92	104	99	94	91	95	92	89	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	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	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	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1491	1491	1491	1491	1491
5°	3214	2377	1409	748	616
10°	14273	4498	1113	312	223
15°	54007	10420	772	136	91
20°	207661	14678	467	47	47
25°	394886	13767	242	0	0
30°	477035	11116	101	0	0
35°	372065	7576	54	0	0
40°	135769	3721	57	0	57
45°	34856	1116	62	0	124
50°	5868	136	68	68	205
55°	765	0	153	229	382
60°	88	88	263	351	526
65°	104	104	415	519	623
70°	128	128	513	513	641
75°	169	169	678	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.8	7.7
20°-30°	87.6	42.5
30°-40°	84.6	41.1
40°-50°	14.7	7.1
50°-60°	1.1	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	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°	104.3	50.6
0°-40°	188.8	91.7
0°-60°	204.6	99.3
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	6	3	3	3
15°	238	46	3	1	0	106
25°	1632	57	1	0	0	730
35°	1390	28	0	0	0	799
45°	112	4	0	0	0	121
55°	2	0	0	1	1	4
65°	0	0	1	1	1	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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	10.0	9.6	9.8	9.8	9.8	9.8	9.8	9.4	9.4	9.6	8.6
5°	14.6	14.6	14.4	14.6	14.6	14.4	14.0	13.8	13.8	13.4	10.8
7.5°	29.3	28.9	28.9	28.5	26.5	25.8	25.4	24.4	22.6	22.2	14.0
10°	64.1	64.3	62.9	61.1	60.9	57.9	56.9	55.1	51.7	48.3	20.2
12.5°	116.4	113.8	110.4	110.6	104.8	102.8	98.2	93.2	88.0	82.6	33.3
15°	237.9	230.4	234.9	224.0	211.8	198.0	184.0	166.3	151.3	135.3	45.9
17.5°	501.0	508.2	496.0	449.7	421.2	387.7	340.7	295.2	256.3	225.0	56.1
20°	889.9	900.5	859.1	818.8	749.6	674.3	595.7	506.8	421.6	347.9	62.9
21°	1052.4	1046.0	1029.0	964.5	884.7	797.3	701.2	603.0	499.8	404.0	63.5
22°	1209.5	1212.5	1172.9	1105.3	1022.4	925.6	808.2	686.9	575.7	449.7	62.5
23°	1366.0	1375.7	1323.2	1259.8	1155.4	1046.2	910.4	779.5	642.0	502.0	60.5
24°	1510.9	1504.3	1468.8	1389.1	1277.5	1149.6	1008.5	849.8	696.5	546.7	58.9
25°	1632.1	1631.3	1575.6	1498.1	1370.4	1228.8	1073.3	907.3	743.2	576.9	56.9
26°	1731.3	1715.1	1671.2	1576.6	1450.6	1301.1	1126.4	949.2	769.5	592.1	54.9
27°	1807.9	1796.3	1737.3	1639.0	1507.3	1342.0	1160.4	970.1	781.5	597.2	52.3
28°	1859.4	1846.8	1784.0	1682.6	1538.6	1367.6	1178.5	978.9	781.5	592.3	49.9
29°	1886.0	1868.8	1806.3	1697.7	1545.8	1370.6	1174.1	970.3	769.3	577.5	47.1
30°	1884.0	1862.6	1797.1	1684.0	1524.3	1346.0	1149.4	939.2	741.6	555.5	43.9
31°	1851.6	1827.5	1754.4	1638.0	1480.1	1299.5	1102.9	897.5	703.8	526.8	40.7
32°	1785.6	1755.2	1683.8	1567.8	1411.9	1230.0	1035.4	833.2	647.0	484.9	37.3
33°	1678.2	1647.6	1571.0	1462.2	1319.7	1141.8	945.8	764.1	582.5	435.0	34.5
34°	1543.8	1515.7	1449.8	1340.2	1203.5	1030.2	842.8	668.5	515.6	385.5	31.5
35°	1389.9	1345.2	1285.5	1198.7	1065.5	891.1	731.6	579.5	446.7	333.6	28.3
36°	1181.7	1189.7	1126.4	1020.2	909.8	773.1	620.0	483.1	373.5	284.3	25.4
37°	997.1	984.5	944.2	862.1	765.9	630.2	519.6	409.6	314.2	240.5	22.4
38°	804.4	807.2	767.7	704.6	609.2	518.2	418.2	336.4	262.9	204.6	19.6
39°	629.6	627.4	616.8	558.3	471.9	412.2	338.9	278.9	219.0	172.5	16.6
40°	474.3	477.9	453.1	417.8	367.5	318.4	269.9	222.4	181.1	145.5	13.0
42.5°	230.6	236.3	219.8	210.8	188.6	169.3	142.9	116.6	99.2	85.8	5.8
45°	112.4	109.2	107.8	103.4	98.2	87.8	77.7	66.7	58.3	50.3	3.6
47.5°	57.5	55.9	55.9	54.1	52.3	48.9	43.9	40.3	36.3	31.3	1.4
50°	17.2	17.0	16.8	17.0	16.4	17.0	17.4	17.6	16.0	15.8	0.4
52.5°	6.8	7.0	6.8	7.4	7.4	7.2	7.4	7.2	7.0	6.2	0.0
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.2	2.4	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	8.0	7.0	5.8	4.8	4.4	4.2
5°	8.6	6.4	4.4	3.4	3.0	2.8
7.5°	9.2	5.8	3.4	2.4	1.8	1.6
10°	9.6	5.0	2.6	1.4	1.0	1.0
12.5°	9.6	4.0	1.8	0.8	0.6	0.6
15°	9.4	3.4	1.2	0.6	0.4	0.4
17.5°	9.2	2.6	0.8	0.4	0.2	0.4
20°	8.6	2.0	0.4	0.2	0.2	0.2
21°	8.4	1.8	0.4	0.2	0.2	0.2
22°	8.0	1.6	0.2	0.0	0.2	0.2
23°	7.6	1.2	0.2	0.0	0.0	0.0
24°	7.0	1.0	0.2	0.0	0.0	0.0
25°	6.6	1.0	0.2	0.0	0.0	0.0
26°	6.2	0.6	0.0	0.0	0.0	0.0
27°	5.6	0.4	0.0	0.0	0.0	0.0
28°	5.2	0.4	0.0	0.0	0.0	0.0
29°	4.6	0.4	0.0	0.0	0.0	0.0
30°	4.0	0.4	0.0	0.0	0.0	0.0
31°	3.2	0.2	0.0	0.0	0.0	0.0
32°	2.6	0.2	0.0	0.0	0.0	0.0
33°	1.8	0.2	0.0	0.0	0.0	0.0
34°	1.2	0.2	0.0	0.0	0.0	0.0
35°	1.0	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.2	0.0	0.0	0.0	0.2
37°	0.6	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.4	0.6	0.8
55°	0.2	0.4	0.4	0.6	0.8	1.0
57.5°	0.2	0.6	0.6	0.8	1.0	1.0
60°	0.4	0.6	0.8	0.8	1.2	1.2
62.5°	0.4	0.8	0.8	0.8	1.2	1.2
65°	0.4	0.8	0.8	1.0	1.2	1.2
67.5°	0.4	0.8	0.8	0.8	1.0	1.2
70°	0.4	0.8	0.6	0.8	1.0	1.0
72.5°	0.4	0.8	0.6	0.6	0.8	1.0
75°	0.4	0.8	0.6	0.6	0.8	0.8
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.6	0.4	0.2	0.4	0.4
85°	0.4	0.6	0.4	0.2	0.2	0.2
87.5°	0.4	0.6	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)