

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: P1336415

Luminaire Tested: P3A05R159735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336415
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: P3A05R159735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

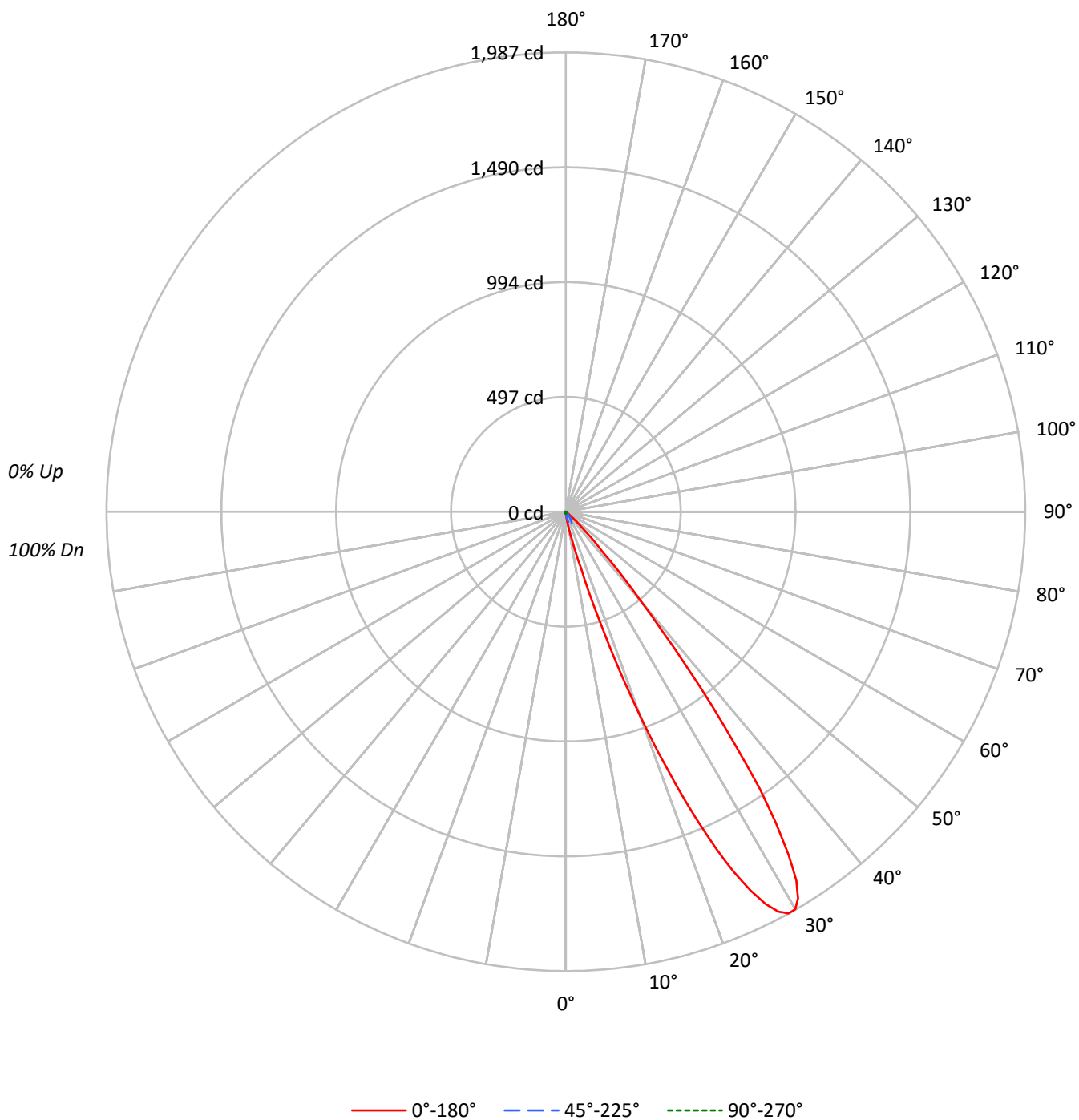
Lumens per Lamp: N/A
Luminaire Lumens: 216.9 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64		72	67	64		71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1579	1579	1579	1579	1579
5°	3390	2509	1497	792	660
10°	15030	4743	1180	334	245
15°	56890	10965	817	136	91
20°	218746	15471	490	47	47
25°	415984	14493	266	0	0
30°	502508	11698	101	0	0
35°	391928	7977	54	0	0
40°	143011	3922	57	0	57
45°	36717	1178	62	0	124
50°	6209	136	68	68	205
55°	803	0	153	229	421
60°	88	88	263	351	570
65°	104	104	415	571	675
70°	128	128	513	513	705
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: 36717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	16.6	7.7
20°-30°	92.2	42.5
30°-40°	89.1	41.1
40°-50°	15.5	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°	109.8	50.6
0°-40°	198.9	91.7
0°-60°	215.5	99.4
0°-90°	216.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	7	4	3	3
15°	251	48	4	1	0	112
25°	1719	60	1	0	0	769
35°	1464	30	0	0	0	842
45°	118	4	0	0	0	127
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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	10.6	10.1	10.3	10.3	10.3	10.3	10.3	9.9	9.9	10.1	9.1
5°	15.4	15.4	15.2	15.4	15.4	15.2	14.8	14.6	14.6	14.1	11.4
7.5°	30.8	30.4	30.4	30.0	27.9	27.2	26.8	25.8	23.9	23.4	14.8
10°	67.5	67.8	66.3	64.4	64.2	61.0	59.9	58.0	54.5	50.9	21.3
12.5°	122.6	119.9	116.3	116.5	110.4	108.3	103.4	98.2	92.7	87.0	35.0
15°	250.6	242.7	247.4	236.0	223.1	208.6	193.8	175.2	159.4	142.5	48.3
17.5°	527.7	535.3	522.4	473.7	443.7	408.5	358.8	310.9	270.0	237.1	59.1
20°	937.4	948.6	904.9	862.5	789.7	710.3	627.6	533.8	444.1	366.4	66.3
21°	1108.6	1101.9	1083.9	1016.0	931.9	839.9	738.6	635.2	526.4	425.6	66.9
22°	1274.1	1277.3	1235.5	1164.4	1077.0	975.0	851.3	723.6	606.5	473.7	65.9
23°	1439.0	1449.1	1393.8	1327.1	1217.1	1102.1	959.0	821.1	676.3	528.8	63.7
24°	1591.6	1584.6	1547.3	1463.3	1345.7	1211.0	1062.4	895.2	733.7	575.8	62.1
25°	1719.3	1718.5	1659.8	1578.1	1443.6	1294.4	1130.6	955.8	782.9	607.7	59.9
26°	1823.8	1806.7	1760.5	1660.8	1528.1	1370.6	1186.5	999.9	810.6	623.8	57.8
27°	1904.4	1892.2	1830.1	1726.5	1587.8	1413.6	1222.4	1021.9	823.2	629.0	55.1
28°	1958.7	1945.4	1879.3	1772.5	1620.7	1440.7	1241.4	1031.2	823.2	624.0	52.6
29°	1986.7	1968.6	1902.7	1788.3	1628.3	1443.8	1236.8	1022.1	810.4	608.4	49.6
30°	1984.6	1962.0	1893.0	1774.0	1605.7	1417.9	1210.8	989.4	781.2	585.1	46.2
31°	1950.4	1925.1	1848.1	1725.4	1559.1	1368.9	1161.8	945.5	741.3	554.9	42.9
32°	1881.0	1848.9	1773.8	1651.5	1487.3	1295.6	1090.7	877.7	681.6	510.8	39.3
33°	1767.8	1735.6	1654.9	1540.3	1390.2	1202.8	996.3	804.9	613.6	458.3	36.3
34°	1626.2	1596.7	1527.2	1411.7	1267.8	1085.2	887.8	704.2	543.1	406.1	33.1
35°	1464.1	1417.0	1354.1	1262.7	1122.3	938.7	770.7	610.5	470.5	351.5	29.8
36°	1244.8	1253.2	1186.5	1074.6	958.3	814.4	653.1	508.9	393.5	299.5	26.8
37°	1050.4	1037.1	994.6	908.1	806.8	663.9	547.3	431.5	331.0	253.3	23.6
38°	847.3	850.3	808.7	742.2	641.7	545.9	440.5	354.4	276.9	215.5	20.7
39°	663.2	660.9	649.7	588.1	497.1	434.2	356.9	293.8	230.7	181.7	17.5
40°	499.6	503.4	477.3	440.1	387.1	335.4	284.3	234.3	190.8	153.2	13.7
42.5°	243.0	248.9	231.6	222.1	198.6	178.4	150.5	122.9	104.5	90.3	6.1
45°	118.4	115.0	113.6	108.9	103.4	92.5	81.9	70.3	61.4	53.0	3.8
47.5°	60.6	58.9	58.9	57.0	55.1	51.5	46.2	42.4	38.2	32.9	1.5
50°	18.2	17.9	17.7	17.9	17.3	17.9	18.4	18.6	16.9	16.7	0.4
52.5°	7.2	7.4	7.2	7.8	7.8	7.6	7.8	7.6	7.4	6.5	0.0
55°	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.3	2.5	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°	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	8.4	7.4	6.1	5.1	4.6	4.4
5°	9.1	6.8	4.6	3.6	3.2	3.0
7.5°	9.7	6.1	3.6	2.5	1.9	1.7
10°	10.1	5.3	2.7	1.5	1.1	1.1
12.5°	10.1	4.2	1.9	0.8	0.6	0.6
15°	9.9	3.6	1.3	0.6	0.4	0.4
17.5°	9.7	2.7	0.8	0.4	0.2	0.4
20°	9.1	2.1	0.4	0.2	0.2	0.2
21°	8.9	1.9	0.4	0.2	0.2	0.2
22°	8.4	1.7	0.2	0.0	0.2	0.2
23°	8.0	1.3	0.2	0.0	0.0	0.0
24°	7.4	1.1	0.2	0.0	0.0	0.0
25°	7.0	1.1	0.2	0.0	0.0	0.0
26°	6.5	0.6	0.0	0.0	0.0	0.0
27°	5.9	0.4	0.0	0.0	0.0	0.0
28°	5.5	0.4	0.0	0.0	0.0	0.0
29°	4.9	0.4	0.0	0.0	0.0	0.0
30°	4.2	0.4	0.0	0.0	0.0	0.0
31°	3.4	0.2	0.0	0.0	0.0	0.0
32°	2.7	0.2	0.0	0.0	0.0	0.0
33°	1.9	0.2	0.0	0.0	0.0	0.0
34°	1.3	0.2	0.0	0.0	0.0	0.0
35°	1.1	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	1.1
57.5°	0.2	0.6	0.6	0.8	1.1	1.1
60°	0.4	0.6	0.8	0.8	1.3	1.3
62.5°	0.4	0.8	0.8	0.8	1.3	1.3
65°	0.4	0.8	0.8	1.1	1.3	1.3
67.5°	0.4	0.8	0.8	0.8	1.1	1.3
70°	0.4	0.8	0.6	0.8	1.1	1.1
72.5°	0.4	0.8	0.6	0.6	0.8	1.1
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)