

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: P1336479

Luminaire Tested: P3A05R159835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336479
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: P3A05R159835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

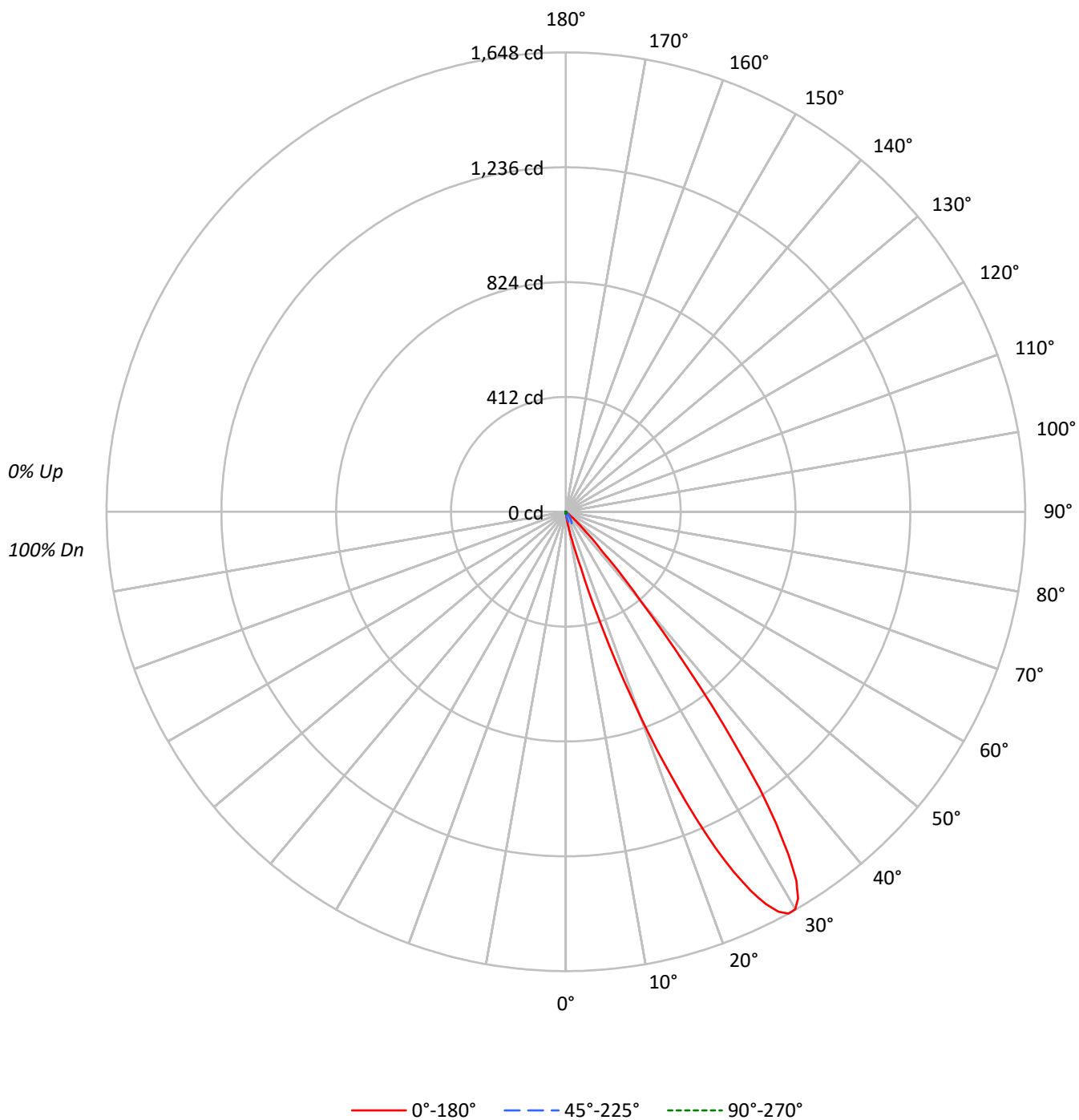
Lumens per Lamp: N/A
Luminaire Lumens: 180.1 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	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	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1316	1316	1316	1316	1316
5°	2818	2091	1233	660	550
10°	12469	3941	980	267	200
15°	47174	9103	681	114	91
20°	181456	12834	420	47	47
25°	345044	12025	218	0	0
30°	416824	9698	101	0	0
35°	325112	6612	54	0	0
40°	118622	3263	57	0	57
45°	30453	992	62	0	124
50°	5151	136	68	68	171
55°	688	0	153	191	344
60°	88	88	219	307	482
65°	104	104	363	467	571
70°	128	128	449	449	577
75°	169	169	593	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.5
10°-20°	13.8	7.7
20°-30°	76.5	42.5
30°-40°	73.9	41.0
40°-50°	12.9	7.1
50°-60°	0.9	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.2	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°	91.1	50.6
0°-40°	165.0	91.6
0°-60°	178.8	99.3
0°-90°	180.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	180.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	13	10	6	3	2	3
15°	208	40	3	0	0	93
25°	1426	50	1	0	0	638
35°	1214	25	0	0	0	698
45°	98	3	0	0	0	106
55°	2	0	0	0	1	3
65°	0	0	1	1	1	0
75°	0	0	1	0	1	0
85°	0	0	0	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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	8.8	8.4	8.6	8.6	8.6	8.6	8.6	8.2	8.2	8.4	7.5
5°	12.8	12.8	12.6	12.8	12.8	12.6	12.3	12.1	12.1	11.7	9.5
7.5°	25.6	25.2	25.2	24.9	23.1	22.6	22.2	21.4	19.8	19.4	12.3
10°	56.0	56.2	55.0	53.4	53.2	50.6	49.7	48.2	45.2	42.2	17.7
12.5°	101.7	99.5	96.5	96.7	91.6	89.8	85.8	81.4	76.9	72.1	29.1
15°	207.8	201.4	205.2	195.8	185.1	173.0	160.7	145.3	132.2	118.2	40.1
17.5°	437.7	444.0	433.4	392.9	368.0	338.8	297.7	257.9	223.9	196.6	49.0
20°	777.6	786.9	750.6	715.4	655.0	589.2	520.6	442.8	368.4	304.0	55.0
21°	919.6	914.0	899.1	842.7	773.0	696.7	612.7	526.9	436.7	353.0	55.5
22°	1056.9	1059.5	1024.8	965.8	893.3	808.8	706.2	600.2	503.0	392.9	54.6
23°	1193.6	1202.0	1156.2	1100.8	1009.6	914.2	795.5	681.1	561.0	438.6	52.9
24°	1320.2	1314.4	1283.4	1213.8	1116.2	1004.5	881.3	742.6	608.6	477.7	51.5
25°	1426.1	1425.4	1376.8	1309.0	1197.5	1073.7	937.8	792.8	649.4	504.1	49.7
26°	1512.8	1498.6	1460.3	1377.6	1267.5	1136.9	984.2	829.4	672.4	517.4	48.0
27°	1579.7	1569.5	1518.1	1432.1	1317.1	1172.6	1014.0	847.6	682.9	521.8	45.7
28°	1624.7	1613.7	1558.9	1470.3	1344.4	1195.0	1029.7	855.3	682.9	517.6	43.6
29°	1648.0	1632.9	1578.3	1483.4	1350.7	1197.6	1025.9	847.8	672.2	504.6	41.1
30°	1646.2	1627.5	1570.2	1471.5	1331.9	1176.1	1004.3	820.7	648.0	485.4	38.3
31°	1617.9	1596.9	1533.0	1431.2	1293.2	1135.5	963.7	784.2	614.9	460.3	35.5
32°	1560.3	1533.7	1471.3	1369.9	1233.7	1074.7	904.7	728.0	565.4	423.7	32.6
33°	1466.4	1439.6	1372.7	1277.7	1153.2	997.7	826.4	667.6	509.0	380.1	30.1
34°	1348.9	1324.4	1266.8	1171.0	1051.6	900.2	736.4	584.1	450.5	336.9	27.5
35°	1214.5	1175.4	1123.2	1047.4	931.0	778.6	639.3	506.4	390.3	291.5	24.7
36°	1032.5	1039.5	984.2	891.4	794.9	675.5	541.7	422.2	326.4	248.5	22.2
37°	871.3	860.2	825.0	753.3	669.2	550.7	454.0	357.9	274.5	210.1	19.6
38°	702.8	705.3	670.8	615.6	532.3	452.8	365.4	294.0	229.7	178.8	17.2
39°	550.1	548.2	538.9	487.8	412.3	360.2	296.1	243.7	191.4	150.8	14.5
40°	414.4	417.6	395.9	365.1	321.1	278.2	235.9	194.4	158.3	127.1	11.4
42.5°	201.5	206.4	192.1	184.2	164.8	148.0	124.8	101.9	86.7	74.9	5.1
45°	98.2	95.4	94.2	90.3	85.8	76.7	67.9	58.3	51.0	43.9	3.2
47.5°	50.3	48.9	48.9	47.3	45.7	42.7	38.3	35.2	31.7	27.3	1.2
50°	15.1	14.9	14.7	14.9	14.4	14.9	15.2	15.4	14.0	13.8	0.4
52.5°	6.0	6.1	6.0	6.5	6.5	6.3	6.5	6.3	6.1	5.4	0.0
55°	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.1	1.9	2.1	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°	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	7.0	6.1	5.1	4.2	3.9	3.7
5°	7.5	5.6	3.9	3.0	2.6	2.5
7.5°	8.1	5.1	3.0	2.1	1.6	1.4
10°	8.4	4.4	2.3	1.2	0.9	0.9
12.5°	8.4	3.5	1.6	0.7	0.5	0.5
15°	8.2	3.0	1.1	0.5	0.4	0.4
17.5°	8.1	2.3	0.7	0.4	0.2	0.4
20°	7.5	1.8	0.4	0.2	0.2	0.2
21°	7.4	1.6	0.4	0.2	0.2	0.2
22°	7.0	1.4	0.2	0.0	0.2	0.2
23°	6.7	1.1	0.2	0.0	0.0	0.0
24°	6.1	0.9	0.2	0.0	0.0	0.0
25°	5.8	0.9	0.2	0.0	0.0	0.0
26°	5.4	0.5	0.0	0.0	0.0	0.0
27°	4.9	0.4	0.0	0.0	0.0	0.0
28°	4.6	0.4	0.0	0.0	0.0	0.0
29°	4.0	0.4	0.0	0.0	0.0	0.0
30°	3.5	0.4	0.0	0.0	0.0	0.0
31°	2.8	0.2	0.0	0.0	0.0	0.0
32°	2.3	0.2	0.0	0.0	0.0	0.0
33°	1.6	0.2	0.0	0.0	0.0	0.0
34°	1.1	0.2	0.0	0.0	0.0	0.0
35°	0.9	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.2	0.0	0.0	0.0	0.2
37°	0.5	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	0.5
52.5°	0.0	0.4	0.2	0.4	0.5	0.7
55°	0.2	0.4	0.4	0.5	0.7	0.9
57.5°	0.2	0.5	0.5	0.7	0.9	0.9
60°	0.4	0.5	0.7	0.7	1.1	1.1
62.5°	0.4	0.7	0.7	0.7	1.1	1.1
65°	0.4	0.7	0.7	0.9	1.1	1.1
67.5°	0.4	0.7	0.7	0.7	0.9	1.1
70°	0.4	0.7	0.5	0.7	0.9	0.9
72.5°	0.4	0.7	0.5	0.5	0.7	0.9
75°	0.4	0.7	0.5	0.5	0.7	0.7
77.5°	0.4	0.5	0.5	0.4	0.5	0.5
80°	0.4	0.5	0.4	0.4	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.5	0.4	0.2	0.4	0.4
85°	0.4	0.5	0.4	0.2	0.2	0.2
87.5°	0.4	0.5	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)