

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: P1341009

Luminaire Tested: P3A09R259830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341009
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: P3A09R259830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

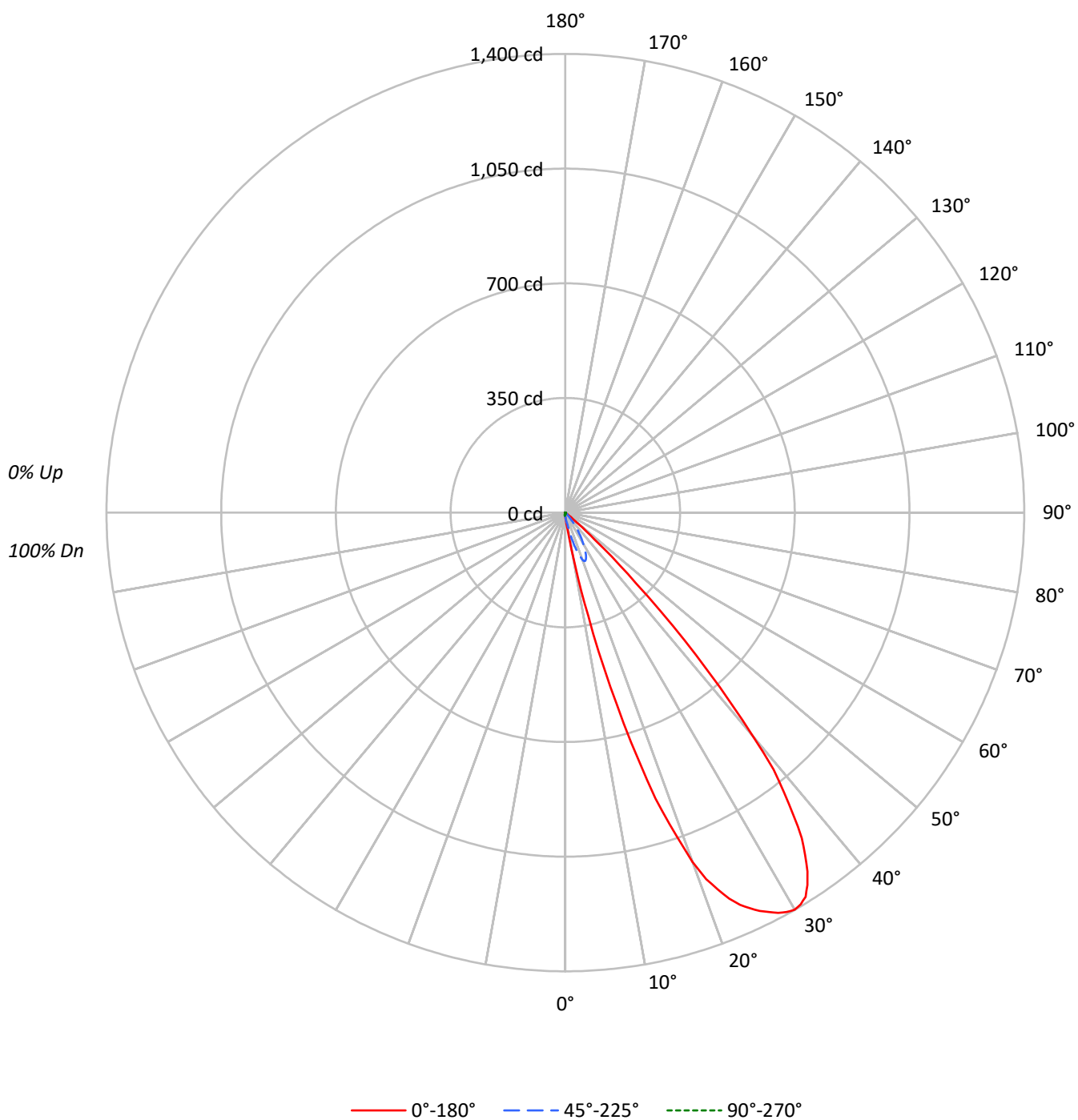
Lumens per Lamp: N/A
Luminaire Lumens: 280.0 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1341009

CATALOG NUMBER: P3A09R259830DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1341009

CATALOG NUMBER: P3A09R259830DE010 E3A301GPH

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	95	92	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	52	50
8	71	60	52	48	70	59	52	47	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	44	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2631	2631	2631	2631	2631
5°	6604	4887	2465	1255	969
10°	28902	8328	2026	579	401
15°	137481	22429	1430	227	182
20°	264646	35913	910	70	70
25°	322301	36220	508	0	0
30°	354358	27726	203	0	0
35°	341495	17614	80	0	0
40°	255164	7614	0	0	86
45°	94459	2016	93	93	248
50°	11155	273	171	171	341
55°	1109	0	191	306	497
60°	132	0	351	439	570
65°	156	156	519	675	830
70°	192	192	641	641	1026
75°	254	254	678	678	847
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94459 cd/sqm

TEST NUMBER: P1341009

CATALOG NUMBER: P3A09R259830DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.6
10°-20°	32.6	11.7
20°-30°	102.5	36.6
30°-40°	107.9	38.5
40°-50°	31.7	11.3
50°-60°	1.7	0.6
60°-70°	0.8	0.3
70°-80°	0.7	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°	136.9	48.9
0°-40°	244.7	87.4
0°-60°	278.1	99.3
0°-90°	280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	30	22	11	6	4	5
15°	606	99	6	1	1	191
25°	1332	150	2	0	0	611
35°	1276	66	0	0	0	770
45°	305	6	0	0	1	277
55°	3	0	0	1	1	7
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1341009

CATALOG NUMBER: P3A09R259830DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2.5°	18.5	18.8	18.0	18.5	18.0	17.8	17.5	16.2	14.1	12.0	9.9
5°	30.0	30.0	28.7	28.5	28.0	26.9	25.9	22.2	15.9	11.2	7.8
7.5°	47.0	46.8	46.2	44.9	42.3	39.7	37.1	29.0	17.5	10.4	6.0
10°	129.8	128.0	125.7	111.6	95.6	81.5	69.2	37.4	18.8	9.1	4.4
12.5°	322.6	312.2	287.4	259.2	223.1	185.2	148.1	60.9	19.3	7.6	3.1
15°	605.6	583.9	545.2	488.8	415.1	332.3	261.8	98.8	18.8	6.3	2.4
17.5°	914.4	893.5	839.9	754.2	645.8	518.6	393.7	130.9	17.5	5.2	1.6
20°	1134.1	1111.9	1061.7	970.8	853.5	683.9	518.3	153.9	16.5	3.9	0.8
21°	1198.3	1176.1	1123.1	1035.3	912.0	741.9	558.3	157.8	15.7	3.4	0.5
22°	1239.1	1226.0	1169.1	1083.9	958.2	788.4	592.5	159.6	15.2	3.1	0.5
23°	1280.1	1260.5	1207.2	1117.3	993.5	822.9	617.8	158.3	14.6	2.6	0.3
24°	1310.4	1293.9	1232.0	1143.2	1018.1	844.1	632.7	154.9	13.8	2.4	0.3
25°	1332.1	1316.9	1252.4	1160.7	1034.5	855.6	637.4	149.7	13.1	2.1	0.3
26°	1352.7	1336.3	1269.4	1170.9	1043.1	859.2	633.0	143.9	12.3	1.8	0.0
27°	1367.6	1350.9	1281.1	1176.9	1043.7	854.8	621.0	136.1	11.5	1.6	0.0
28°	1383.5	1364.2	1289.2	1180.3	1040.5	844.3	603.7	127.7	11.0	1.3	0.0
29°	1393.2	1374.9	1297.6	1184.0	1034.0	826.8	578.7	117.8	9.7	0.8	0.0
30°	1399.5	1377.8	1296.8	1180.0	1025.4	808.0	548.6	109.5	8.4	0.8	0.0
31°	1394.3	1371.5	1288.5	1169.1	1011.5	783.5	517.8	99.0	6.8	0.5	0.0
32°	1383.0	1356.1	1273.8	1150.0	986.7	751.9	485.9	90.4	5.0	0.5	0.0
33°	1355.6	1332.9	1247.4	1124.4	954.3	709.0	444.4	82.0	3.4	0.3	0.0
34°	1321.1	1298.4	1211.4	1090.2	911.0	653.6	394.0	73.4	2.9	0.3	0.0
35°	1275.7	1253.2	1170.6	1042.4	853.5	587.0	342.0	65.8	2.4	0.3	0.0
36°	1227.8	1198.1	1119.2	991.4	776.4	511.3	286.3	57.2	1.8	0.3	0.0
37°	1157.6	1137.5	1049.9	913.8	693.1	438.6	245.8	49.4	1.3	0.3	0.0
38°	1084.7	1066.1	980.7	835.7	600.1	366.8	205.9	41.8	1.0	0.0	0.0
39°	1009.4	978.6	894.2	735.7	502.6	307.2	173.2	35.0	0.5	0.0	0.0
40°	891.4	867.9	777.7	615.5	415.9	249.0	147.6	26.6	0.5	0.0	0.0
42.5°	590.9	569.0	474.4	333.9	221.0	145.5	97.4	10.4	0.0	0.3	0.0
45°	304.6	290.8	236.2	174.8	125.4	89.3	62.7	6.5	0.0	0.3	0.3
47.5°	121.0	118.6	107.1	92.5	71.3	53.0	34.2	2.9	0.0	0.3	0.3
50°	32.7	32.9	30.8	28.5	25.9	24.3	14.4	0.8	0.0	0.5	0.3
52.5°	13.8	14.1	13.6	12.8	11.5	8.6	5.7	0.3	0.3	0.5	0.5
55°	2.9	3.1	3.4	3.7	4.2	3.7	2.4	0.0	0.3	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.0	0.3	0.5	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	1.0
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.0	1.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	1.0
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.5



TEST NUMBER: P1341009

CATALOG NUMBER: P3A09R259830DE010 E3A301GPH

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	0.5	0.8	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1341009

CATALOG NUMBER: P3A09R259830DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.0	12.0	12.0
2.5°	8.4	7.6	7.3
5°	5.7	5.0	4.4
7.5°	3.9	3.1	2.9
10°	2.6	2.1	1.8
12.5°	1.8	1.0	1.0
15°	1.0	0.8	0.8
17.5°	0.5	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	0.5
45°	0.3	0.5	0.8
47.5°	0.5	0.8	1.0
50°	0.5	1.0	1.0
52.5°	0.8	1.0	1.3
55°	0.8	1.3	1.3
57.5°	1.0	1.3	1.6
60°	1.0	1.3	1.3
62.5°	1.0	1.6	1.6
65°	1.3	1.6	1.6
67.5°	1.3	1.6	1.6
70°	1.0	1.3	1.6
72.5°	1.0	1.3	1.3
75°	0.8	1.0	1.0
77.5°	0.8	0.8	1.0
80°	0.5	0.8	0.8

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
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)