

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: P1341025

Luminaire Tested: P3A09R259835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341025
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: P3A09R259835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

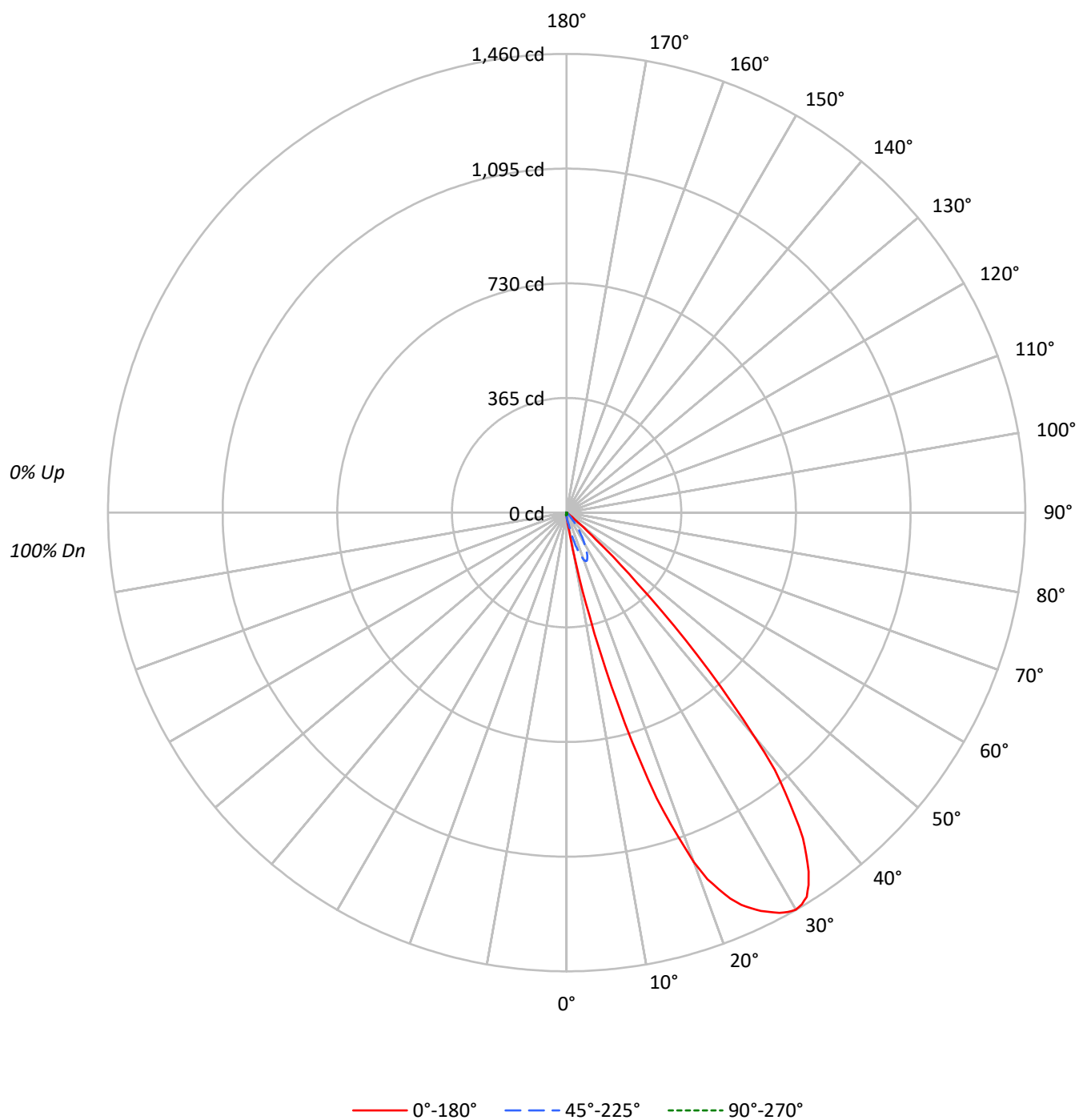
Lumens per Lamp: N/A
Luminaire Lumens: 292.0 lumens
Efficiency: N/A
Efficacy: 26.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	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	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2741	2741	2741	2741	2741
5°	6890	5107	2575	1321	1013
10°	30149	8684	2115	601	423
15°	143361	23383	1476	250	182
20°	275987	37453	957	70	70
25°	336116	37768	532	0	0
30°	369551	28916	203	0	0
35°	356111	18390	80	0	0
40°	266099	7958	0	0	86
45°	98522	2109	93	93	248
50°	11633	273	171	171	375
55°	1147	0	191	306	535
60°	132	0	351	482	614
65°	156	156	571	726	830
70°	192	192	705	705	1026
75°	254	254	678	678	932
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 98522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.6
10°-20°	34.0	11.7
20°-30°	106.9	36.6
30°-40°	112.5	38.5
40°-50°	33.0	11.3
50°-60°	1.8	0.6
60°-70°	0.9	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°	142.7	48.9
0°-40°	255.2	87.4
0°-60°	290.0	99.3
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	31	23	12	6	5	6
15°	632	103	6	1	1	199
25°	1389	156	2	0	0	637
35°	1330	69	0	0	0	803
45°	318	7	0	0	1	289
55°	3	0	0	1	1	8
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	19.3	19.6	18.8	19.3	18.8	18.5	18.3	16.9	14.7	12.5	10.4
5°	31.3	31.3	30.0	29.7	29.2	28.1	27.0	23.2	16.6	11.7	8.2
7.5°	49.0	48.8	48.2	46.9	44.1	41.4	38.7	30.2	18.3	10.9	6.3
10°	135.4	133.5	131.0	116.3	99.7	85.0	72.2	39.0	19.6	9.5	4.6
12.5°	336.5	325.6	299.7	270.3	232.7	193.2	154.5	63.5	20.2	7.9	3.3
15°	631.5	608.9	568.6	509.7	432.9	346.5	273.0	103.0	19.6	6.5	2.5
17.5°	953.5	931.7	875.9	786.5	673.5	540.8	410.6	136.5	18.3	5.4	1.6
20°	1182.7	1159.5	1107.2	1012.4	890.1	713.2	540.5	160.5	17.2	4.1	0.8
21°	1249.7	1226.5	1171.2	1079.7	951.1	773.7	582.2	164.6	16.3	3.5	0.5
22°	1292.2	1278.6	1219.2	1130.4	999.3	822.2	617.9	166.5	15.8	3.3	0.5
23°	1335.0	1314.5	1258.9	1165.2	1036.1	858.2	644.3	165.1	15.3	2.7	0.3
24°	1366.6	1349.4	1284.8	1192.2	1061.7	880.3	659.8	161.6	14.4	2.5	0.3
25°	1389.2	1373.4	1306.1	1210.4	1078.9	892.2	664.8	156.1	13.6	2.2	0.3
26°	1410.7	1393.5	1323.8	1221.1	1087.9	896.1	660.1	150.1	12.8	1.9	0.0
27°	1426.2	1408.8	1336.0	1227.3	1088.4	891.4	647.6	141.9	12.0	1.6	0.0
28°	1442.8	1422.7	1344.5	1230.9	1085.1	880.5	629.6	133.2	11.4	1.4	0.0
29°	1452.9	1433.9	1353.2	1234.7	1078.3	862.3	603.5	122.9	10.1	0.8	0.0
30°	1459.5	1436.8	1352.4	1230.6	1069.3	842.7	572.1	114.2	8.7	0.8	0.0
31°	1454.0	1430.3	1343.7	1219.2	1054.9	817.0	540.0	103.3	7.1	0.5	0.0
32°	1442.3	1414.2	1328.4	1199.3	1029.0	784.1	506.7	94.3	5.2	0.5	0.0
33°	1413.7	1390.0	1300.9	1172.6	995.2	739.4	463.4	85.5	3.5	0.3	0.0
34°	1377.7	1354.0	1263.3	1136.9	950.0	681.6	410.8	76.6	3.0	0.3	0.0
35°	1330.3	1306.9	1220.8	1087.0	890.1	612.2	356.6	68.7	2.5	0.3	0.0
36°	1280.5	1249.4	1167.1	1033.9	809.7	533.2	298.6	59.7	1.9	0.3	0.0
37°	1207.2	1186.2	1094.9	953.0	722.8	457.4	256.4	51.5	1.4	0.3	0.0
38°	1131.2	1111.8	1022.7	871.5	625.8	382.5	214.7	43.6	1.1	0.0	0.0
39°	1052.7	1020.6	932.6	767.2	524.2	320.4	180.6	36.5	0.5	0.0	0.0
40°	929.6	905.0	811.1	641.9	433.7	259.6	153.9	27.8	0.5	0.0	0.0
42.5°	616.3	593.4	494.8	348.2	230.5	151.7	101.6	10.9	0.0	0.3	0.0
45°	317.7	303.2	246.3	182.3	130.8	93.2	65.4	6.8	0.0	0.3	0.3
47.5°	126.1	123.7	111.7	96.4	74.4	55.3	35.7	3.0	0.0	0.3	0.3
50°	34.1	34.3	32.1	29.7	27.0	25.3	15.0	0.8	0.0	0.5	0.3
52.5°	14.4	14.7	14.2	13.3	12.0	9.0	6.0	0.3	0.3	0.5	0.5
55°	3.0	3.3	3.5	3.8	4.4	3.8	2.5	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	1.1
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.1	1.1
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	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



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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	0.5	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.5	12.5	12.5
2.5°	8.7	7.9	7.6
5°	6.0	5.2	4.6
7.5°	4.1	3.3	3.0
10°	2.7	2.2	1.9
12.5°	1.9	1.1	1.1
15°	1.1	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	1.1
50°	0.5	1.1	1.1
52.5°	0.8	1.1	1.4
55°	0.8	1.4	1.4
57.5°	1.1	1.4	1.6
60°	1.1	1.4	1.4
62.5°	1.1	1.6	1.6
65°	1.4	1.6	1.6
67.5°	1.4	1.6	1.6
70°	1.1	1.4	1.6
72.5°	1.1	1.4	1.4
75°	0.8	1.1	1.1
77.5°	0.8	0.8	1.1
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)