

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: P1341041

Luminaire Tested: P3A09R259840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341041
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: P3A09R259840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

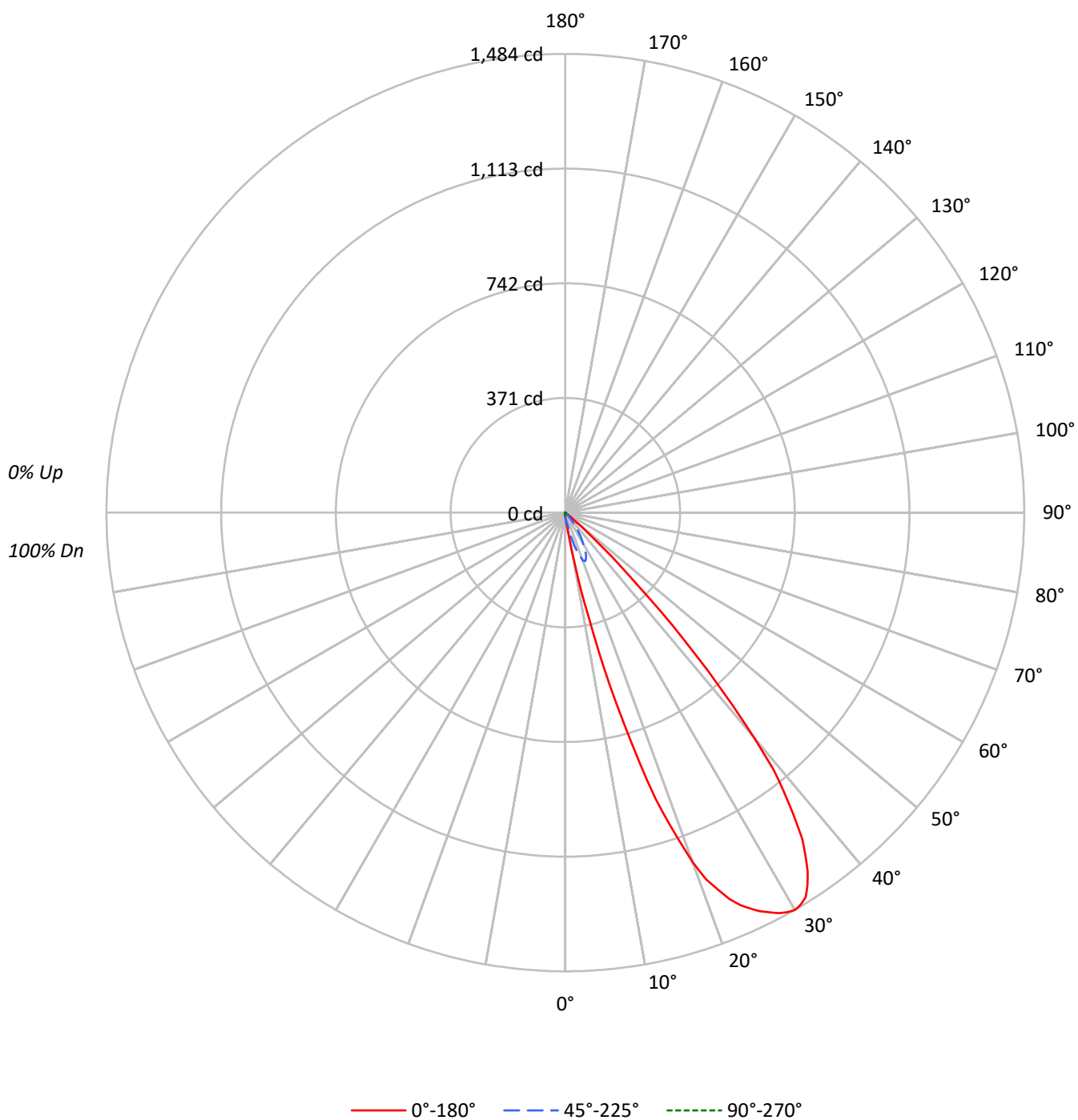
Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 27.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
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	69	59	52	47	58	52	47	57	51	47	56	50	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°	2785	2785	2785	2785	2785
5°	7022	5195	2619	1343	1035
10°	30661	8817	2160	623	423
15°	145812	23769	1521	250	182
20°	280701	38083	980	70	70
25°	341875	38422	532	0	0
30°	375881	29397	203	0	0
35°	362214	18685	80	0	0
40°	270650	8101	0	0	86
45°	100196	2140	93	93	248
50°	11803	273	205	205	375
55°	1147	0	229	306	535
60°	132	0	351	482	614
65°	156	156	571	726	882
70°	192	192	705	705	1090
75°	254	254	678	678	932
80°	0	379	1010	758	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.6
10°-20°	34.6	11.7
20°-30°	108.7	36.6
30°-40°	114.4	38.5
40°-50°	33.6	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°	145.2	48.9
0°-40°	259.6	87.4
0°-60°	295.0	99.3
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	32	24	12	6	5	6
15°	642	105	7	1	1	202
25°	1413	159	2	0	0	648
35°	1353	70	0	0	0	817
45°	323	7	0	0	1	294
55°	3	0	1	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°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	19.7	20.0	19.1	19.7	19.1	18.8	18.6	17.2	15.0	12.7	10.5
5°	31.9	31.9	30.5	30.2	29.7	28.5	27.4	23.6	16.9	11.9	8.3
7.5°	49.9	49.6	49.0	47.7	44.9	42.1	39.3	30.8	18.6	11.1	6.4
10°	137.7	135.8	133.3	118.3	101.4	86.5	73.4	39.6	20.0	9.7	4.7
12.5°	342.2	331.1	304.8	274.9	236.6	196.5	157.1	64.6	20.5	8.0	3.3
15°	642.3	619.3	578.3	518.5	440.3	352.5	277.7	104.7	20.0	6.7	2.5
17.5°	969.9	947.7	890.9	800.0	685.0	550.1	417.6	138.8	18.6	5.5	1.7
20°	1202.9	1179.4	1126.2	1029.7	905.3	725.5	549.8	163.2	17.5	4.2	0.8
21°	1271.1	1247.5	1191.3	1098.2	967.4	787.0	592.2	167.4	16.6	3.6	0.6
22°	1314.3	1300.5	1240.0	1149.7	1016.4	836.3	628.5	169.3	16.1	3.3	0.6
23°	1357.8	1337.0	1280.5	1185.2	1053.8	872.9	655.4	167.9	15.5	2.8	0.3
24°	1390.0	1372.5	1306.8	1212.6	1079.9	895.3	671.1	164.3	14.7	2.5	0.3
25°	1413.0	1396.9	1328.4	1231.2	1097.3	907.5	676.1	158.8	13.9	2.2	0.3
26°	1434.8	1417.4	1346.5	1242.0	1106.5	911.4	671.4	152.7	13.0	1.9	0.0
27°	1450.6	1432.9	1358.9	1248.4	1107.0	906.7	658.7	144.4	12.2	1.7	0.0
28°	1467.5	1447.0	1367.5	1252.0	1103.7	895.6	640.4	135.5	11.6	1.4	0.0
29°	1477.8	1458.4	1376.4	1255.8	1096.8	877.0	613.8	125.0	10.3	0.8	0.0
30°	1484.5	1461.5	1375.5	1251.7	1087.6	857.1	581.9	116.1	8.9	0.8	0.0
31°	1478.9	1454.8	1366.7	1240.0	1072.9	831.0	549.2	105.0	7.2	0.6	0.0
32°	1467.0	1438.5	1351.2	1219.8	1046.6	797.5	515.4	95.9	5.3	0.6	0.0
33°	1437.9	1413.8	1323.2	1192.7	1012.3	752.1	471.4	87.0	3.6	0.3	0.0
34°	1401.3	1377.2	1284.9	1156.4	966.3	693.3	417.9	77.9	3.0	0.3	0.0
35°	1353.1	1329.3	1241.7	1105.6	905.3	622.7	362.7	69.8	2.5	0.3	0.0
36°	1302.4	1270.8	1187.1	1051.6	823.6	542.3	303.7	60.7	1.9	0.3	0.0
37°	1227.9	1206.5	1113.7	969.3	735.2	465.3	260.8	52.4	1.4	0.3	0.0
38°	1150.5	1130.9	1040.3	886.5	636.5	389.1	218.4	44.3	1.1	0.0	0.0
39°	1070.7	1038.0	948.5	780.3	533.1	325.9	183.7	37.1	0.6	0.0	0.0
40°	945.5	920.5	824.9	652.9	441.2	264.1	156.6	28.3	0.6	0.0	0.0
42.5°	626.8	603.5	503.2	354.1	234.4	154.3	103.4	11.1	0.0	0.3	0.0
45°	323.1	308.4	250.5	185.4	133.0	94.8	66.5	6.9	0.0	0.3	0.3
47.5°	128.3	125.8	113.6	98.1	75.6	56.3	36.3	3.0	0.0	0.3	0.3
50°	34.6	34.9	32.7	30.2	27.4	25.8	15.2	0.8	0.0	0.6	0.3
52.5°	14.7	15.0	14.4	13.6	12.2	9.1	6.1	0.3	0.3	0.6	0.6
55°	3.0	3.3	3.6	3.9	4.4	3.9	2.5	0.0	0.3	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.8	0.8	0.6	0.0	0.3	0.6	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.8	1.1
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	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	0.6	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.8	0.6



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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	0.6	0.8	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	0.6
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°	12.7	12.7	12.7
2.5°	8.9	8.0	7.8
5°	6.1	5.3	4.7
7.5°	4.2	3.3	3.0
10°	2.8	2.2	1.9
12.5°	1.9	1.1	1.1
15°	1.1	0.8	0.8
17.5°	0.6	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	0.6
45°	0.3	0.6	0.8
47.5°	0.6	0.8	1.1
50°	0.6	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	1.7
60°	1.1	1.4	1.4
62.5°	1.1	1.7	1.7
65°	1.4	1.7	1.7
67.5°	1.4	1.7	1.7
70°	1.1	1.4	1.7
72.5°	1.1	1.4	1.4
75°	0.8	1.1	1.1
77.5°	0.8	0.8	1.1
80°	0.6	0.8	0.8

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.6	0.6	0.6
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)