

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: P1340998

Luminaire Tested: P3A09R259827DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1340998
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: P3A09R259827DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

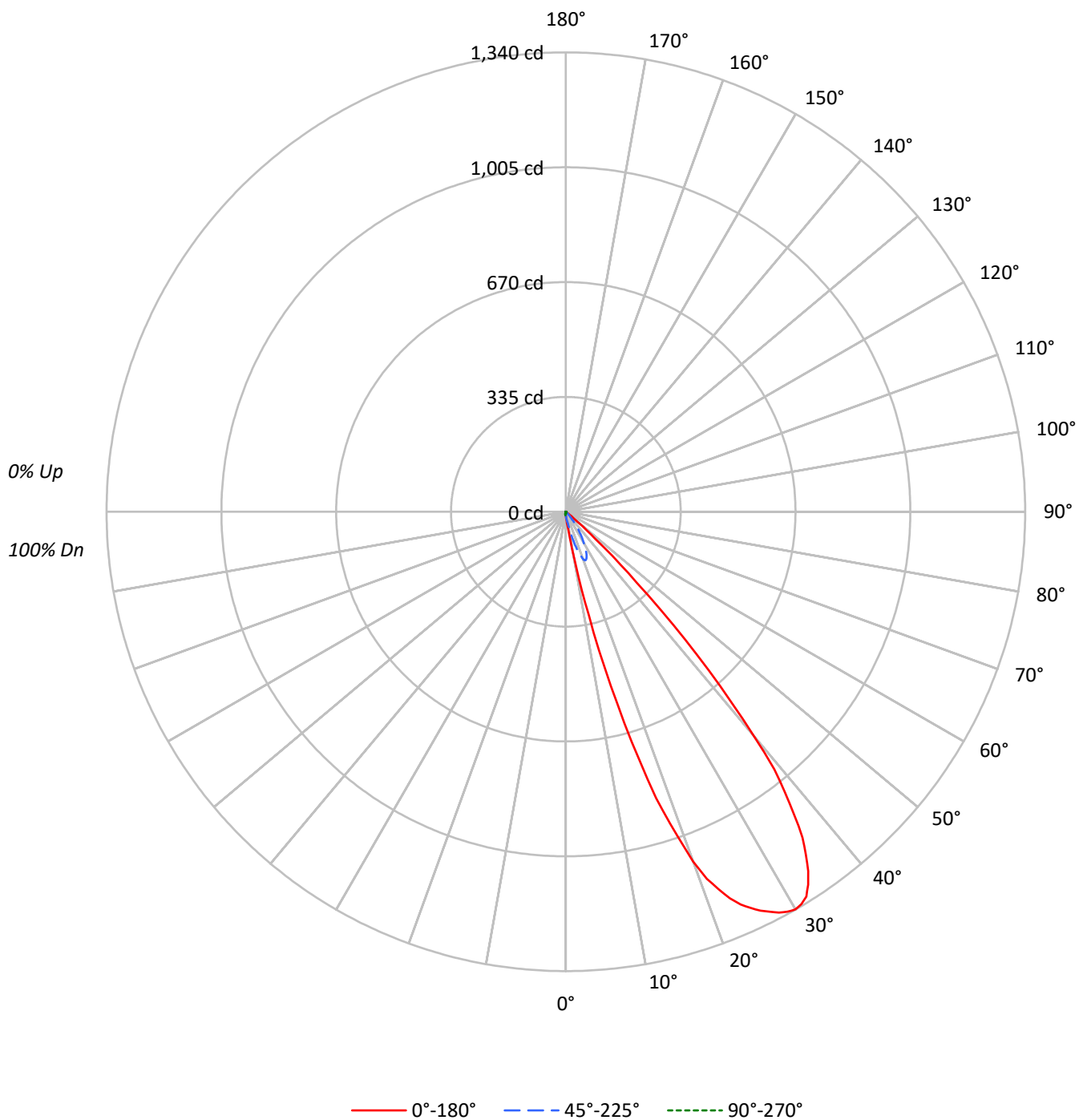
Lumens per Lamp: N/A
Luminaire Lumens: 268.1 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	87	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	51	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	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2522	2522	2522	2522	2522
5°	6339	4689	2377	1211	947
10°	27677	7971	1959	557	401
15°	131579	21453	1362	227	182
20°	253305	34373	887	70	70
25°	308486	34671	484	0	0
30°	339166	26536	203	0	0
35°	326852	16865	80	0	0
40°	244229	7299	0	0	86
45°	90428	1954	93	93	248
50°	10678	273	171	171	341
55°	1070	0	191	306	497
60°	132	0	351	439	570
65°	156	156	519	675	778
70°	192	192	641	641	962
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: 90428 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.6
10°-20°	31.2	11.7
20°-30°	98.1	36.6
30°-40°	103.2	38.5
40°-50°	30.3	11.3
50°-60°	1.6	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°	131.0	48.9
0°-40°	234.2	87.4
0°-60°	266.2	99.3
0°-90°	268.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	29	21	11	6	4	5
15°	580	94	6	1	1	183
25°	1275	143	2	0	0	585
35°	1221	63	0	0	0	737
45°	292	6	0	0	1	265
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	17.8	18.0	17.3	17.8	17.3	17.0	16.8	15.5	13.5	11.5	9.5
5°	28.8	28.8	27.5	27.3	26.8	25.8	24.8	21.3	15.3	10.8	7.5
7.5°	45.0	44.8	44.3	43.0	40.5	38.0	35.5	27.8	16.8	10.0	5.8
10°	124.3	122.5	120.3	106.8	91.5	78.0	66.3	35.8	18.0	8.8	4.3
12.5°	308.8	298.8	275.1	248.0	213.5	177.3	141.8	58.3	18.5	7.3	3.0
15°	579.6	558.9	521.8	467.8	397.3	318.1	250.5	94.5	18.0	6.0	2.3
17.5°	875.2	855.2	803.9	721.9	618.1	496.3	376.8	125.3	16.8	5.0	1.5
20°	1085.5	1064.2	1016.2	929.2	816.9	654.6	496.1	147.3	15.8	3.8	0.8
21°	1147.0	1125.7	1075.0	990.9	872.9	710.1	534.4	151.0	15.0	3.3	0.5
22°	1186.0	1173.5	1119.0	1037.4	917.2	754.6	567.1	152.8	14.5	3.0	0.5
23°	1225.2	1206.5	1155.5	1069.5	950.9	787.6	591.4	151.5	14.0	2.5	0.3
24°	1254.2	1238.5	1179.2	1094.2	974.4	807.9	605.6	148.3	13.3	2.3	0.3
25°	1275.0	1260.5	1198.7	1111.0	990.2	818.9	610.1	143.3	12.5	2.0	0.3
26°	1294.7	1279.0	1215.0	1120.7	998.4	822.4	605.9	137.8	11.8	1.8	0.0
27°	1309.0	1293.0	1226.2	1126.5	998.9	818.2	594.4	130.3	11.0	1.5	0.0
28°	1324.3	1305.7	1234.0	1129.7	995.9	808.2	577.9	122.3	10.5	1.3	0.0
29°	1333.5	1316.0	1242.0	1133.2	989.7	791.4	553.9	112.8	9.3	0.8	0.0
30°	1339.5	1318.7	1241.2	1129.5	981.4	773.4	525.1	104.8	8.0	0.8	0.0
31°	1334.5	1312.7	1233.2	1119.0	968.2	749.9	495.6	94.8	6.5	0.5	0.0
32°	1323.8	1298.0	1219.2	1100.7	944.4	719.6	465.1	86.5	4.8	0.5	0.0
33°	1297.5	1275.7	1194.0	1076.2	913.4	678.6	425.3	78.5	3.3	0.3	0.0
34°	1264.5	1242.7	1159.5	1043.4	871.9	625.6	377.1	70.3	2.8	0.3	0.0
35°	1221.0	1199.5	1120.5	997.7	816.9	561.9	327.3	63.0	2.3	0.3	0.0
36°	1175.2	1146.7	1071.2	948.9	743.1	489.3	274.1	54.8	1.8	0.3	0.0
37°	1108.0	1088.7	1004.9	874.7	663.4	419.8	235.3	47.3	1.3	0.3	0.0
38°	1038.2	1020.4	938.7	799.9	574.4	351.1	197.0	40.0	1.0	0.0	0.0
39°	966.2	936.7	855.9	704.1	481.1	294.1	165.8	33.5	0.5	0.0	0.0
40°	853.2	830.7	744.4	589.1	398.1	238.3	141.3	25.5	0.5	0.0	0.0
42.5°	565.6	544.6	454.1	319.6	211.5	139.3	93.3	10.0	0.0	0.3	0.0
45°	291.6	278.3	226.0	167.3	120.0	85.5	60.0	6.3	0.0	0.3	0.3
47.5°	115.8	113.5	102.5	88.5	68.3	50.8	32.8	2.8	0.0	0.3	0.3
50°	31.3	31.5	29.5	27.3	24.8	23.3	13.8	0.8	0.0	0.5	0.3
52.5°	13.3	13.5	13.0	12.3	11.0	8.3	5.5	0.3	0.3	0.5	0.5
55°	2.8	3.0	3.3	3.5	4.0	3.5	2.3	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



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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°	11.5	11.5	11.5
2.5°	8.0	7.3	7.0
5°	5.5	4.8	4.3
7.5°	3.8	3.0	2.8
10°	2.5	2.0	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	1.5
60°	1.0	1.3	1.3
62.5°	1.0	1.5	1.5
65°	1.3	1.5	1.5
67.5°	1.3	1.5	1.5
70°	1.0	1.3	1.5
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)