

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: P1334729

Luminaire Tested: P3A02R259727DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334729
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: P3A02R259727DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

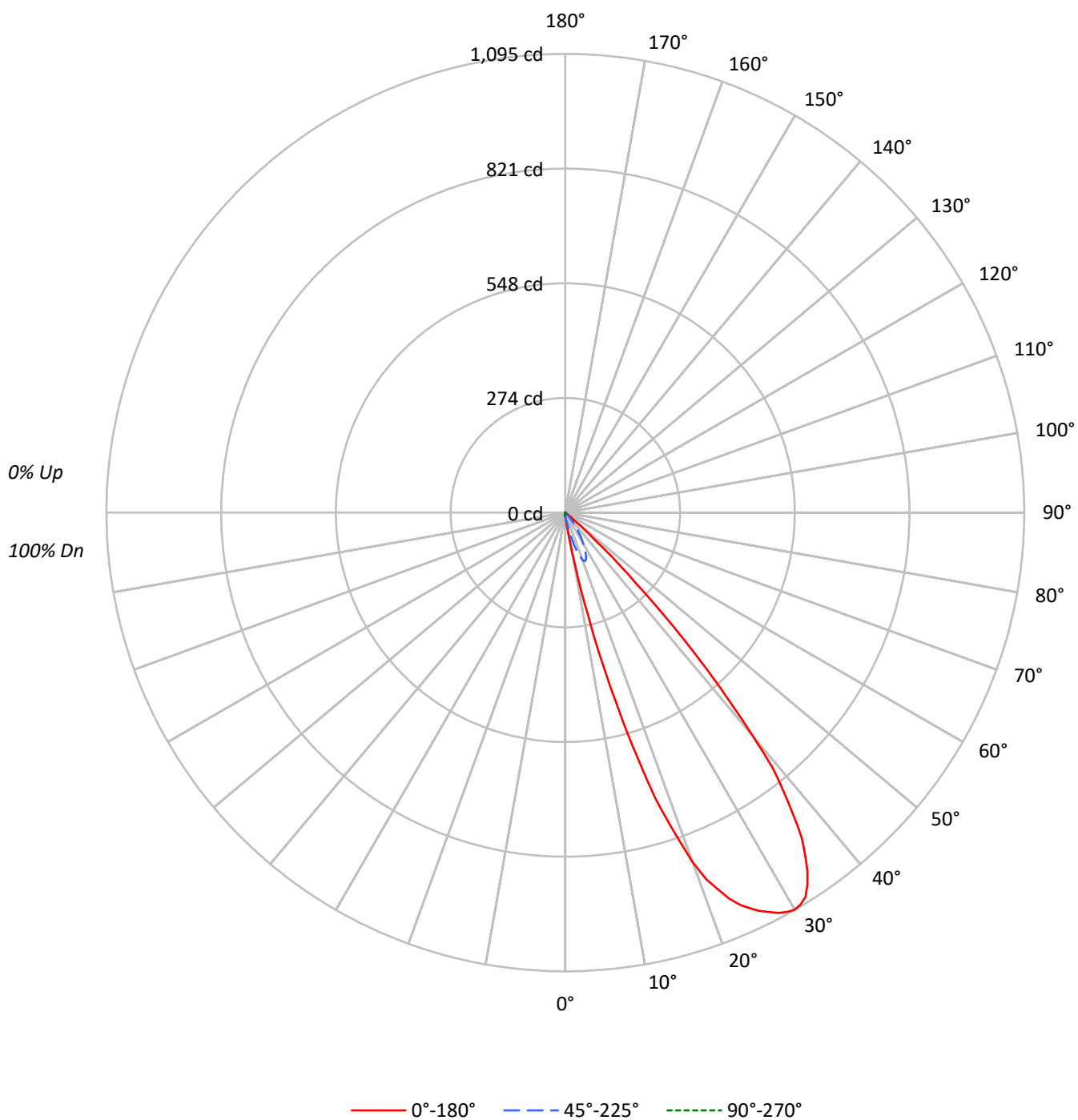
Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	104	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°	2061	2061	2061	2061	2061
5°	5173	3830	1937	991	770
10°	22623	6502	1603	445	312
15°	107515	17526	1112	182	136
20°	206985	28096	723	47	47
25°	252087	28332	387	0	0
30°	277157	21674	152	0	0
35°	267077	13786	54	0	0
40°	199574	5954	0	0	57
45°	73868	1582	62	62	186
50°	8699	205	136	136	273
55°	841	0	153	229	382
60°	88	0	263	351	439
65°	104	104	415	519	623
70°	128	128	513	513	769
75°	169	169	508	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.6
10°-20°	25.5	11.7
20°-30°	80.1	36.6
30°-40°	84.4	38.5
40°-50°	24.8	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	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°	107.0	48.9
0°-40°	191.4	87.4
0°-60°	217.5	99.3
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	24	17	9	4	4	4
15°	474	77	5	1	1	149
25°	1042	117	2	0	0	478
35°	998	52	0	0	0	602
45°	238	5	0	0	1	216
55°	2	0	0	1	1	6
65°	0	0	1	1	1	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°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	14.5	14.7	14.1	14.5	14.1	13.9	13.7	12.7	11.0	9.4	7.8
5°	23.5	23.5	22.5	22.3	21.9	21.0	20.2	17.4	12.5	8.8	6.1
7.5°	36.8	36.6	36.2	35.1	33.1	31.1	29.0	22.7	13.7	8.2	4.7
10°	101.6	100.1	98.3	87.2	74.8	63.8	54.1	29.2	14.7	7.2	3.5
12.5°	252.3	244.2	224.8	202.7	174.5	144.9	115.9	47.6	15.1	5.9	2.5
15°	473.6	456.7	426.4	382.3	324.7	259.9	204.7	77.2	14.7	4.9	1.8
17.5°	715.2	698.8	656.9	589.9	505.1	405.6	307.9	102.4	13.7	4.1	1.2
20°	887.0	869.6	830.4	759.3	667.5	534.9	405.4	120.4	12.9	3.1	0.6
21°	937.3	919.9	878.4	809.8	713.3	580.3	436.7	123.4	12.3	2.7	0.4
22°	969.1	958.9	914.4	847.8	749.5	616.7	463.4	124.8	11.9	2.5	0.4
23°	1001.2	985.9	944.2	873.9	777.1	643.6	483.2	123.8	11.4	2.0	0.2
24°	1024.9	1012.0	963.6	894.1	796.3	660.2	494.9	121.2	10.8	1.8	0.2
25°	1041.9	1030.0	979.6	907.8	809.1	669.2	498.6	117.1	10.2	1.6	0.2
26°	1058.0	1045.1	992.8	915.8	815.9	672.0	495.1	112.6	9.6	1.4	0.0
27°	1069.7	1056.6	1002.0	920.5	816.3	668.6	485.7	106.5	9.0	1.2	0.0
28°	1082.1	1067.0	1008.4	923.2	813.8	660.4	472.2	99.9	8.6	1.0	0.0
29°	1089.7	1075.4	1014.9	926.0	808.7	646.7	452.6	92.2	7.6	0.6	0.0
30°	1094.6	1077.6	1014.3	923.0	802.0	632.0	429.1	85.6	6.5	0.6	0.0
31°	1090.5	1072.7	1007.8	914.4	791.2	612.8	405.0	77.4	5.3	0.4	0.0
32°	1081.7	1060.7	996.3	899.5	771.8	588.1	380.1	70.7	3.9	0.4	0.0
33°	1060.3	1042.5	975.7	879.4	746.4	554.6	347.6	64.2	2.7	0.2	0.0
34°	1033.3	1015.5	947.5	852.7	712.5	511.2	308.1	57.4	2.2	0.2	0.0
35°	997.7	980.2	915.6	815.3	667.5	459.1	267.5	51.5	1.8	0.2	0.0
36°	960.3	937.1	875.3	775.4	607.3	399.9	223.9	44.7	1.4	0.2	0.0
37°	905.4	889.7	821.2	714.7	542.1	343.1	192.3	38.6	1.0	0.2	0.0
38°	848.4	833.9	767.1	653.7	469.3	286.9	161.0	32.7	0.8	0.0	0.0
39°	789.5	765.4	699.4	575.4	393.1	240.3	135.5	27.4	0.4	0.0	0.0
40°	697.2	678.8	608.3	481.4	325.3	194.7	115.4	20.8	0.4	0.0	0.0
42.5°	462.2	445.0	371.1	261.1	172.9	113.8	76.2	8.2	0.0	0.2	0.0
45°	238.2	227.4	184.7	136.7	98.1	69.9	49.0	5.1	0.0	0.2	0.2
47.5°	94.6	92.8	83.8	72.3	55.8	41.5	26.8	2.2	0.0	0.2	0.2
50°	25.5	25.7	24.1	22.3	20.2	19.0	11.2	0.6	0.0	0.4	0.2
52.5°	10.8	11.0	10.6	10.0	9.0	6.7	4.5	0.2	0.2	0.4	0.4
55°	2.2	2.5	2.7	2.9	3.3	2.9	1.8	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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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	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
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°	9.4	9.4	9.4
2.5°	6.5	5.9	5.7
5°	4.5	3.9	3.5
7.5°	3.1	2.5	2.2
10°	2.0	1.6	1.4
12.5°	1.4	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
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	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)