

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: P1334641

Luminaire Tested: P3A02R259027DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334641
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: P3A02R259027DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

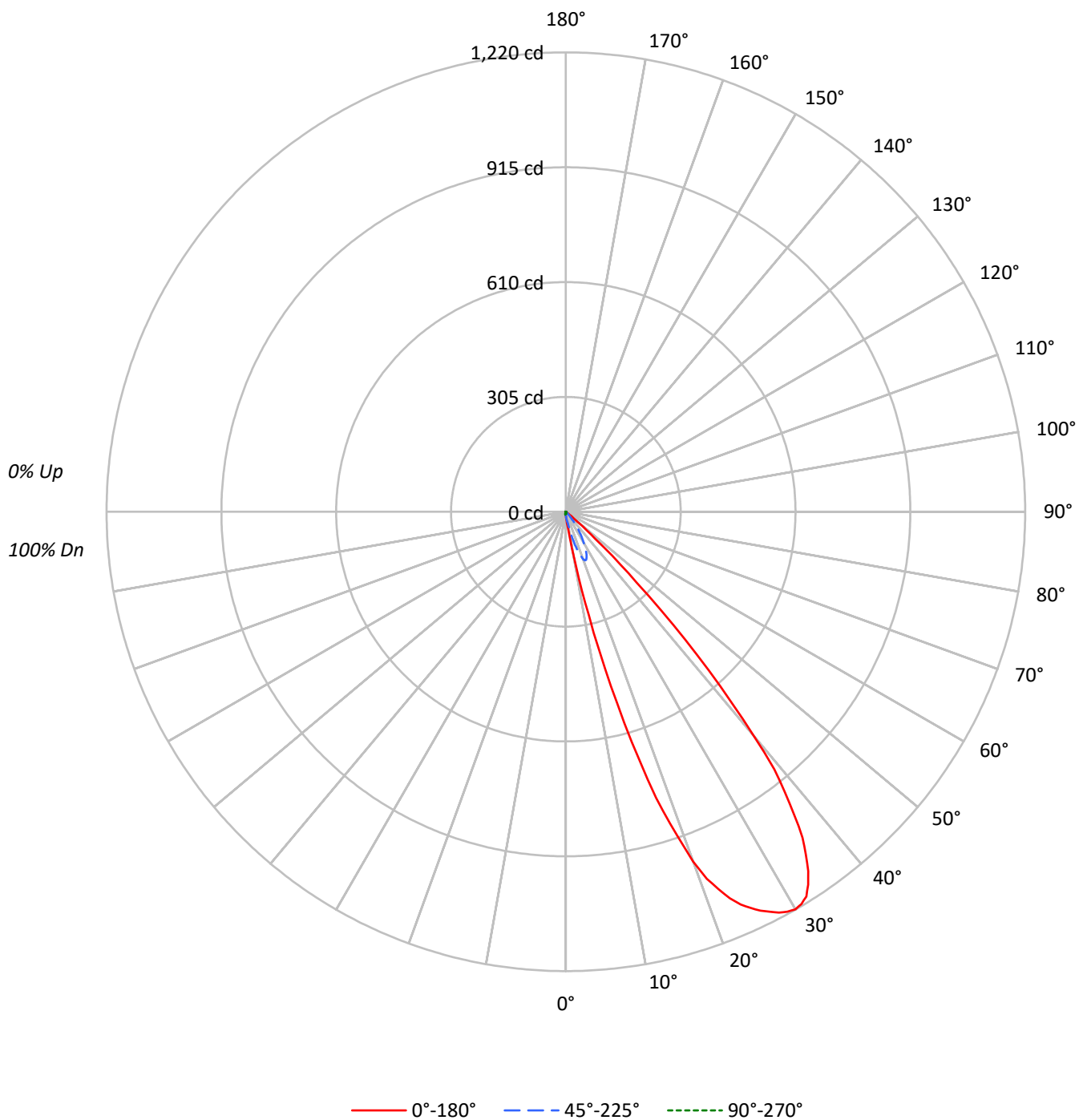
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2302	2302	2302	2302	2302
5°	5767	4270	2157	1101	858
10°	25183	7259	1781	512	356
15°	119796	19546	1249	204	159
20°	230623	31293	793	47	47
25°	280855	31550	436	0	0
30°	308782	24156	177	0	0
35°	297567	15366	54	0	0
40°	222359	6641	0	0	57
45°	82303	1768	62	62	217
50°	9722	239	171	171	307
55°	956	0	191	268	421
60°	88	0	307	395	482
65°	104	104	467	571	726
70°	128	128	577	577	898
75°	169	169	593	593	763
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	28.4	11.7
20°-30°	89.3	36.6
30°-40°	94.0	38.5
40°-50°	27.6	11.3
50°-60°	1.5	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.3
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°	119.3	48.9
0°-40°	213.3	87.4
0°-60°	242.3	99.3
0°-90°	244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	26	19	10	5	4	5
15°	528	86	6	1	1	166
25°	1161	130	2	0	0	532
35°	1112	57	0	0	0	671
45°	265	6	0	0	1	241
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°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	16.2	16.4	15.7	16.2	15.7	15.5	15.3	14.1	12.3	10.5	8.7
5°	26.2	26.2	25.0	24.8	24.4	23.4	22.5	19.4	13.9	9.8	6.8
7.5°	41.0	40.8	40.3	39.2	36.9	34.6	32.3	25.3	15.3	9.1	5.2
10°	113.1	111.6	109.5	97.2	83.3	71.0	60.3	32.6	16.4	8.0	3.9
12.5°	281.2	272.0	250.4	225.8	194.4	161.4	129.1	53.0	16.8	6.6	2.7
15°	527.7	508.8	475.1	425.9	361.7	289.6	228.1	86.1	16.4	5.5	2.0
17.5°	796.8	778.6	731.9	657.2	562.8	451.9	343.1	114.1	15.3	4.6	1.4
20°	988.3	968.9	925.2	846.0	743.7	596.0	451.7	134.1	14.3	3.4	0.7
21°	1044.3	1024.9	978.7	902.2	794.7	646.5	486.5	137.5	13.7	3.0	0.5
22°	1079.8	1068.4	1018.8	944.5	835.0	687.1	516.3	139.1	13.2	2.7	0.5
23°	1115.5	1098.4	1052.0	973.7	865.8	717.1	538.4	138.0	12.7	2.3	0.2
24°	1141.9	1127.6	1073.6	996.2	887.2	735.6	551.4	135.0	12.1	2.0	0.2
25°	1160.8	1147.6	1091.4	1011.5	901.5	745.6	555.5	130.4	11.4	1.8	0.2
26°	1178.8	1164.5	1106.2	1020.4	909.0	748.8	551.6	125.4	10.7	1.6	0.0
27°	1191.8	1177.2	1116.4	1025.6	909.5	744.9	541.1	118.6	10.0	1.4	0.0
28°	1205.7	1188.8	1123.5	1028.5	906.8	735.8	526.1	111.3	9.6	1.1	0.0
29°	1214.1	1198.1	1130.8	1031.7	901.1	720.5	504.3	102.7	8.4	0.7	0.0
30°	1219.5	1200.7	1130.1	1028.3	893.5	704.1	478.1	95.4	7.3	0.7	0.0
31°	1215.0	1195.2	1122.8	1018.8	881.5	682.7	451.2	86.3	5.9	0.5	0.0
32°	1205.2	1181.8	1110.0	1002.1	859.9	655.2	423.4	78.8	4.3	0.5	0.0
33°	1181.3	1161.5	1087.1	979.8	831.6	617.9	387.2	71.5	3.0	0.2	0.0
34°	1151.3	1131.4	1055.6	950.0	793.8	569.6	343.3	64.0	2.5	0.2	0.0
35°	1111.6	1092.1	1020.1	908.3	743.7	511.5	298.0	57.4	2.0	0.2	0.0
36°	1070.0	1044.0	975.3	864.0	676.6	445.5	249.5	49.9	1.6	0.2	0.0
37°	1008.7	991.2	914.9	796.3	604.0	382.2	214.2	43.0	1.1	0.2	0.0
38°	945.2	929.1	854.6	728.3	522.9	319.6	179.4	36.4	0.9	0.0	0.0
39°	879.7	852.8	779.3	641.1	438.0	267.7	150.9	30.5	0.5	0.0	0.0
40°	776.8	756.3	677.7	536.4	362.4	217.0	128.6	23.2	0.5	0.0	0.0
42.5°	515.0	495.8	413.4	290.9	192.6	126.8	84.9	9.1	0.0	0.2	0.0
45°	265.4	253.4	205.8	152.3	109.3	77.9	54.6	5.7	0.0	0.2	0.2
47.5°	105.4	103.4	93.3	80.6	62.1	46.2	29.8	2.5	0.0	0.2	0.2
50°	28.5	28.7	26.9	24.8	22.5	21.2	12.5	0.7	0.0	0.5	0.2
52.5°	12.1	12.3	11.8	11.2	10.0	7.5	5.0	0.2	0.2	0.5	0.5
55°	2.5	2.7	3.0	3.2	3.6	3.2	2.0	0.0	0.2	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.0	0.2	0.5	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	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	0.2	0.2	0.5	0.7	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	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°	10.5	10.5	10.5
2.5°	7.3	6.6	6.4
5°	5.0	4.3	3.9
7.5°	3.4	2.7	2.5
10°	2.3	1.8	1.6
12.5°	1.6	0.9	0.9
15°	0.9	0.7	0.7
17.5°	0.5	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	0.5
45°	0.2	0.5	0.7
47.5°	0.5	0.7	0.9
50°	0.5	0.9	0.9
52.5°	0.7	0.9	1.1
55°	0.7	1.1	1.1
57.5°	0.9	1.1	1.4
60°	0.9	1.1	1.1
62.5°	0.9	1.4	1.4
65°	1.1	1.4	1.4
67.5°	1.1	1.4	1.4
70°	0.9	1.1	1.4
72.5°	0.9	1.1	1.1
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.5	0.7	0.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
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)