

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: P1334650

Luminaire Tested: P3A02R259030D2WDE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334650
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: P3A02R259030D2WDE010 E3A301WMH
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

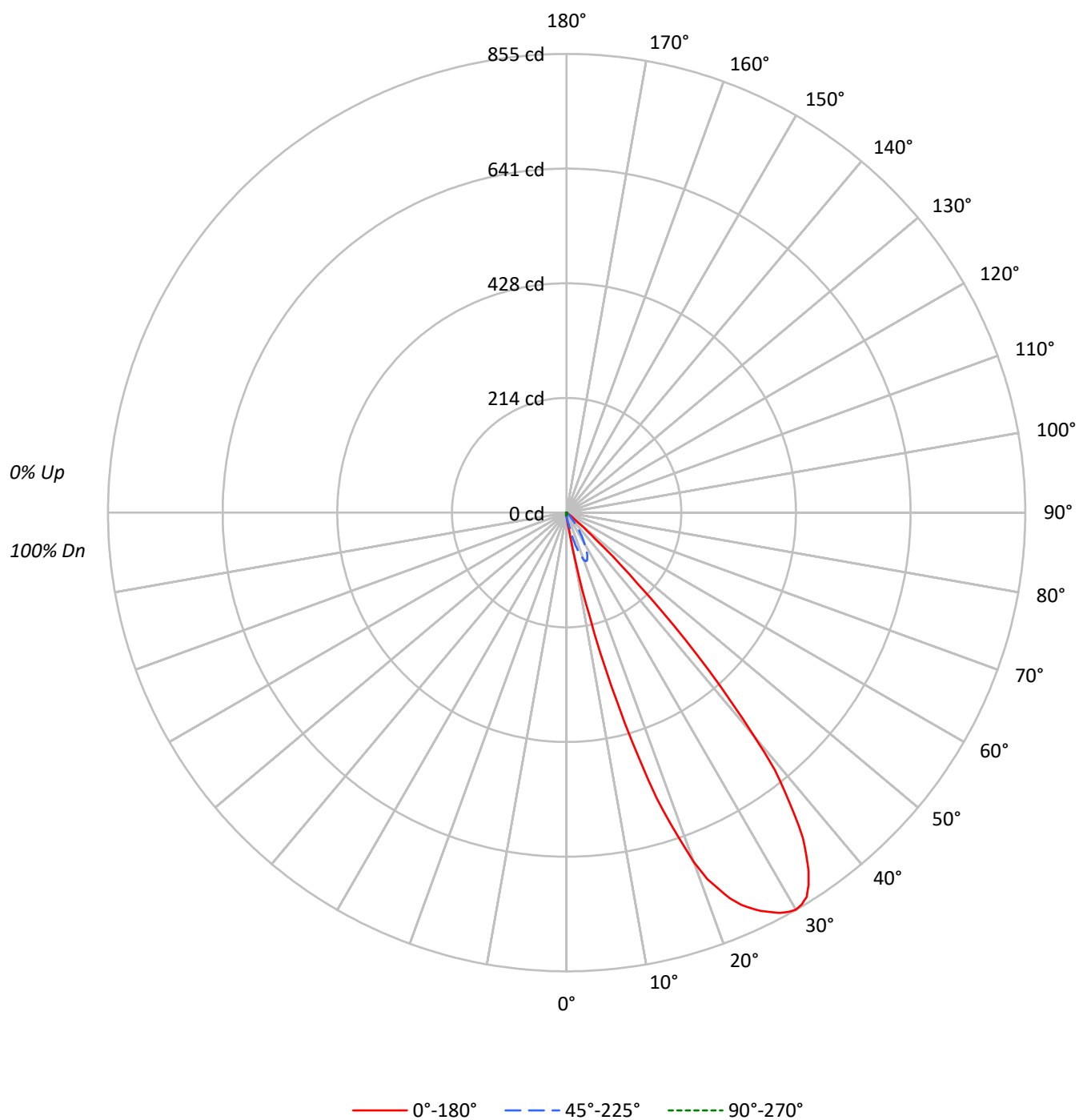
Lumens per Lamp: N/A
Luminaire Lumens: 171.0 lumens
Efficiency: N/A
Efficacy: 23.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	87	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	69	59	52	47	58	52	47	57	51	47	56	50	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	43	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1601	1601	1601	1601	1601
5°	4028	2994	1519	770	594
10°	17657	5077	1247	356	245
15°	83951	13689	863	136	114
20°	161621	21935	560	47	47
25°	196826	22114	315	0	0
30°	216413	16914	127	0	0
35°	208559	10761	54	0	0
40°	155835	4666	0	0	57
45°	57680	1240	62	62	155
50°	6789	171	102	102	205
55°	688	0	115	191	306
60°	88	0	219	263	351
65°	104	104	311	415	519
70°	128	128	385	385	641
75°	169	169	424	424	508
80°	0	253	631	379	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57680 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.6
10°-20°	19.9	11.7
20°-30°	62.6	36.6
30°-40°	65.9	38.5
40°-50°	19.4	11.3
50°-60°	1.0	0.6
60°-70°	0.5	0.3
70°-80°	0.4	0.3
80°-90°	0.2	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°	83.6	48.9
0°-40°	149.5	87.4
0°-60°	169.9	99.3
0°-90°	171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	171.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	18	14	7	4	3	3
15°	370	60	4	1	0	117
25°	814	91	1	0	0	373
35°	779	40	0	0	0	470
45°	186	4	0	0	0	169
55°	2	0	0	0	1	4
65°	0	0	1	1	1	0
75°	0	0	0	0	1	0
85°	0	0	0	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°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
2.5°	11.3	11.5	11.0	11.3	11.0	10.8	10.7	9.9	8.6	7.3	6.1
5°	18.3	18.3	17.5	17.4	17.1	16.4	15.8	13.6	9.7	6.9	4.8
7.5°	28.7	28.6	28.2	27.4	25.8	24.3	22.7	17.7	10.7	6.4	3.7
10°	79.3	78.2	76.7	68.1	58.4	49.8	42.3	22.8	11.5	5.6	2.7
12.5°	197.0	190.7	175.5	158.3	136.3	113.1	90.5	37.2	11.8	4.6	1.9
15°	369.8	356.6	333.0	298.5	253.5	202.9	159.9	60.3	11.5	3.8	1.4
17.5°	558.4	545.6	512.9	460.6	394.4	316.7	240.4	79.9	10.7	3.2	1.0
20°	692.6	679.0	648.4	592.9	521.2	417.7	316.5	94.0	10.1	2.4	0.5
21°	731.8	718.3	685.9	632.3	557.0	453.1	340.9	96.4	9.6	2.1	0.3
22°	756.7	748.7	714.0	662.0	585.2	481.5	361.8	97.5	9.3	1.9	0.3
23°	781.8	769.8	737.3	682.4	606.8	502.6	377.3	96.7	8.9	1.6	0.2
24°	800.3	790.2	752.4	698.2	621.7	515.5	386.4	94.6	8.5	1.4	0.2
25°	813.5	804.3	764.9	708.9	631.8	522.5	389.3	91.4	8.0	1.3	0.2
26°	826.1	816.1	775.2	715.1	637.1	524.7	386.6	87.9	7.5	1.1	0.0
27°	835.2	825.0	782.4	718.8	637.4	522.0	379.2	83.1	7.0	1.0	0.0
28°	845.0	833.1	787.4	720.8	635.5	515.6	368.7	78.0	6.7	0.8	0.0
29°	850.9	839.7	792.5	723.1	631.5	505.0	353.4	72.0	5.9	0.5	0.0
30°	854.7	841.4	792.0	720.7	626.2	493.5	335.0	66.8	5.1	0.5	0.0
31°	851.5	837.6	786.9	714.0	617.8	478.5	316.2	60.5	4.1	0.3	0.0
32°	844.6	828.2	777.9	702.3	602.6	459.2	296.8	55.2	3.0	0.3	0.0
33°	827.9	814.0	761.8	686.7	582.8	433.0	271.4	50.1	2.1	0.2	0.0
34°	806.8	792.9	739.8	665.8	556.3	399.2	240.6	44.8	1.8	0.2	0.0
35°	779.1	765.3	714.9	636.6	521.2	358.5	208.8	40.2	1.4	0.2	0.0
36°	749.9	731.7	683.5	605.5	474.2	312.2	174.9	34.9	1.1	0.2	0.0
37°	706.9	694.7	641.2	558.1	423.3	267.9	150.1	30.2	0.8	0.2	0.0
38°	662.4	651.1	598.9	510.4	366.5	224.0	125.7	25.5	0.6	0.0	0.0
39°	616.5	597.7	546.1	449.3	307.0	187.6	105.8	21.4	0.3	0.0	0.0
40°	544.4	530.0	475.0	375.9	254.0	152.0	90.1	16.3	0.3	0.0	0.0
42.5°	360.9	347.5	289.7	203.9	135.0	88.9	59.5	6.4	0.0	0.2	0.0
45°	186.0	177.6	144.2	106.7	76.6	54.6	38.3	4.0	0.0	0.2	0.2
47.5°	73.9	72.4	65.4	56.5	43.6	32.4	20.9	1.8	0.0	0.2	0.2
50°	19.9	20.1	18.8	17.4	15.8	14.8	8.8	0.5	0.0	0.3	0.2
52.5°	8.5	8.6	8.3	7.8	7.0	5.3	3.5	0.2	0.2	0.3	0.3
55°	1.8	1.9	2.1	2.2	2.6	2.2	1.4	0.0	0.2	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.0	0.2	0.3	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.6
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.6
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.6
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.3



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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	0.3	0.5	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
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°	7.3	7.3	7.3
2.5°	5.1	4.6	4.5
5°	3.5	3.0	2.7
7.5°	2.4	1.9	1.8
10°	1.6	1.3	1.1
12.5°	1.1	0.6	0.6
15°	0.6	0.5	0.5
17.5°	0.3	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	0.3
45°	0.2	0.3	0.5
47.5°	0.3	0.5	0.6
50°	0.3	0.6	0.6
52.5°	0.5	0.6	0.8
55°	0.5	0.8	0.8
57.5°	0.6	0.8	1.0
60°	0.6	0.8	0.8
62.5°	0.6	1.0	1.0
65°	0.8	1.0	1.0
67.5°	0.8	1.0	1.0
70°	0.6	0.8	1.0
72.5°	0.6	0.8	0.8
75°	0.5	0.6	0.6
77.5°	0.5	0.5	0.6
80°	0.3	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.3	0.3	0.3
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)