

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: P1334722

Luminaire Tested: P3A02R259727DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334722
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 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

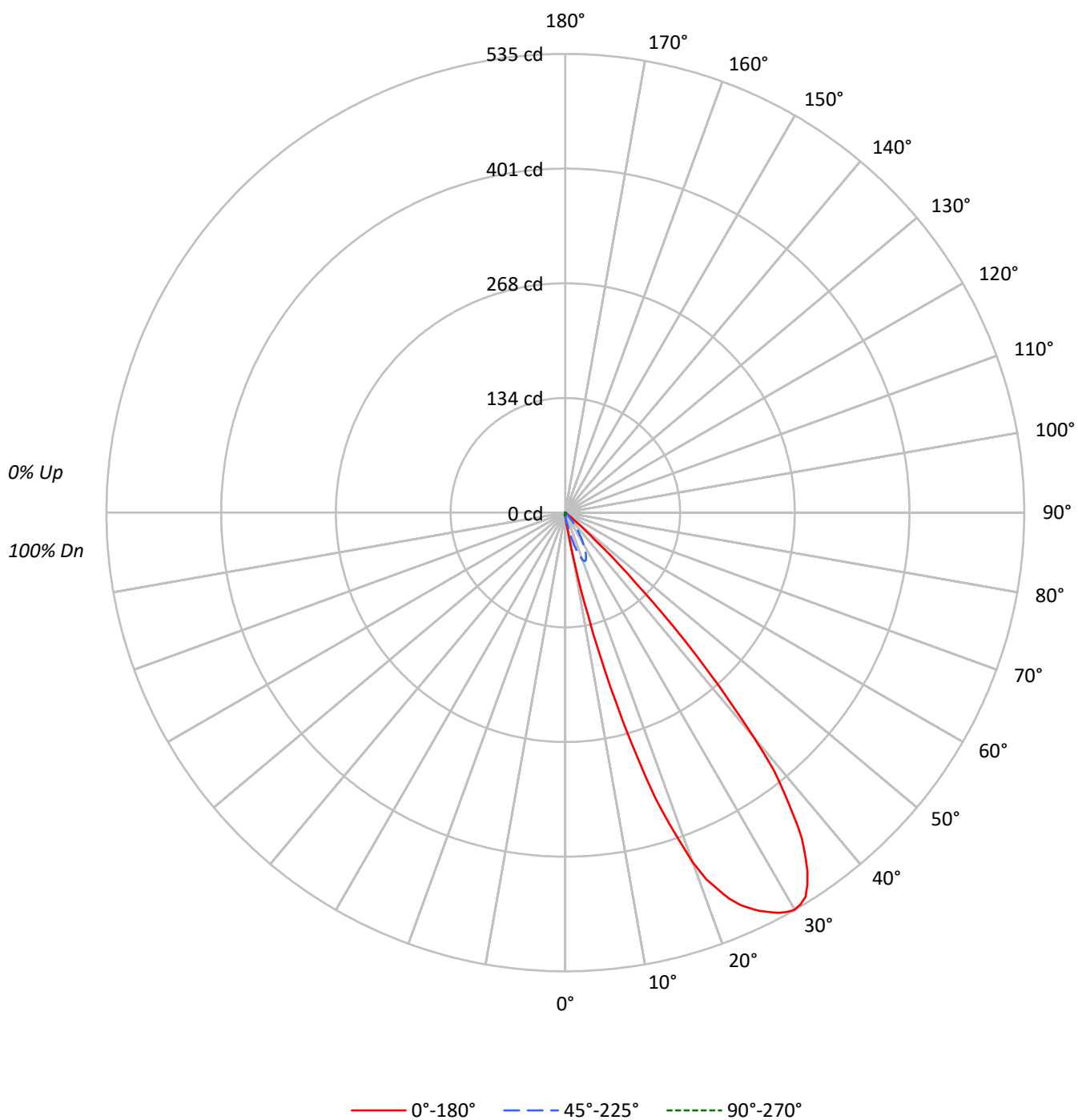
Lumens per Lamp: N/A
Luminaire Lumens: 107.0 lumens
Efficiency: N/A
Efficacy: 29.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1009	1009	1009	1009	1009
5°	2531	1871	947	484	374
10°	11044	3184	779	223	156
15°	52532	8559	545	91	68
20°	101135	13721	350	23	23
25°	123152	13840	194	0	0
30°	135413	10584	76	0	0
35°	130500	6746	27	0	0
40°	97497	2920	0	0	29
45°	36097	775	31	31	93
50°	4264	102	68	68	136
55°	421	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
75°	85	85	254	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36097 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	12.5	11.7
20°-30°	39.2	36.6
30°-40°	41.2	38.5
40°-50°	12.1	11.3
50°-60°	0.6	0.6
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.1	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°	52.3	48.9
0°-40°	93.5	87.4
0°-60°	106.3	99.3
0°-90°	107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	107.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	12	8	4	2	2	2
15°	231	38	2	0	0	73
25°	509	57	1	0	0	233
35°	488	25	0	0	0	294
45°	116	2	0	0	0	106
55°	1	0	0	0	0	3
65°	0	0	0	0	1	0
75°	0	0	0	0	0	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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	7.1	7.2	6.9	7.1	6.9	6.8	6.7	6.2	5.4	4.6	3.8
5°	11.5	11.5	11.0	10.9	10.7	10.3	9.9	8.5	6.1	4.3	3.0
7.5°	18.0	17.9	17.7	17.2	16.2	15.2	14.2	11.1	6.7	4.0	2.3
10°	49.6	48.9	48.0	42.6	36.5	31.1	26.5	14.3	7.2	3.5	1.7
12.5°	123.3	119.3	109.8	99.0	85.3	70.8	56.6	23.3	7.4	2.9	1.2
15°	231.4	223.1	208.4	186.8	158.6	127.0	100.0	37.7	7.2	2.4	0.9
17.5°	349.4	341.4	321.0	288.2	246.8	198.2	150.4	50.0	6.7	2.0	0.6
20°	433.4	424.9	405.7	371.0	326.2	261.4	198.1	58.8	6.3	1.5	0.3
21°	457.9	449.4	429.2	395.6	348.5	283.5	213.3	60.3	6.0	1.3	0.2
22°	473.5	468.5	446.7	414.2	366.2	301.3	226.4	61.0	5.8	1.2	0.2
23°	489.2	481.7	461.3	427.0	379.7	314.5	236.1	60.5	5.6	1.0	0.1
24°	500.8	494.5	470.8	436.9	389.0	322.6	241.8	59.2	5.3	0.9	0.1
25°	509.0	503.3	478.6	443.6	395.3	327.0	243.6	57.2	5.0	0.8	0.1
26°	516.9	510.6	485.1	447.4	398.6	328.3	241.9	55.0	4.7	0.7	0.0
27°	522.6	516.2	489.6	449.7	398.8	326.7	237.3	52.0	4.4	0.6	0.0
28°	528.7	521.3	492.7	451.0	397.6	322.7	230.7	48.8	4.2	0.5	0.0
29°	532.4	525.4	495.9	452.4	395.1	316.0	221.1	45.0	3.7	0.3	0.0
30°	534.8	526.5	495.6	450.9	391.8	308.8	209.6	41.8	3.2	0.3	0.0
31°	532.8	524.1	492.4	446.7	386.6	299.4	197.9	37.8	2.6	0.2	0.0
32°	528.5	518.2	486.8	439.5	377.1	287.3	185.7	34.5	1.9	0.2	0.0
33°	518.0	509.3	476.7	429.7	364.7	270.9	169.8	31.3	1.3	0.1	0.0
34°	504.9	496.2	462.9	416.6	348.1	249.8	150.5	28.1	1.1	0.1	0.0
35°	487.5	478.9	447.3	398.3	326.2	224.3	130.7	25.2	0.9	0.1	0.0
36°	469.2	457.8	427.7	378.9	296.7	195.4	109.4	21.9	0.7	0.1	0.0
37°	442.4	434.7	401.2	349.2	264.9	167.6	93.9	18.9	0.5	0.1	0.0
38°	414.5	407.4	374.8	319.4	229.3	140.2	78.7	16.0	0.4	0.0	0.0
39°	385.8	374.0	341.7	281.1	192.1	117.4	66.2	13.4	0.2	0.0	0.0
40°	340.6	331.6	297.2	235.2	158.9	95.1	56.4	10.2	0.2	0.0	0.0
42.5°	225.8	217.4	181.3	127.6	84.5	55.6	37.2	4.0	0.0	0.1	0.0
45°	116.4	111.1	90.2	66.8	47.9	34.1	24.0	2.5	0.0	0.1	0.1
47.5°	46.2	45.3	40.9	35.3	27.3	20.3	13.1	1.1	0.0	0.1	0.1
50°	12.5	12.6	11.8	10.9	9.9	9.3	5.5	0.3	0.0	0.2	0.1
52.5°	5.3	5.4	5.2	4.9	4.4	3.3	2.2	0.1	0.1	0.2	0.2
55°	1.1	1.2	1.3	1.4	1.6	1.4	0.9	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



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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	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
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°	4.6	4.6	4.6
2.5°	3.2	2.9	2.8
5°	2.2	1.9	1.7
7.5°	1.5	1.2	1.1
10°	1.0	0.8	0.7
12.5°	0.7	0.4	0.4
15°	0.4	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
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	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
80°	0.2	0.3	0.3

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)