

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: P1334945

Luminaire Tested: P3A02R309024DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309024DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

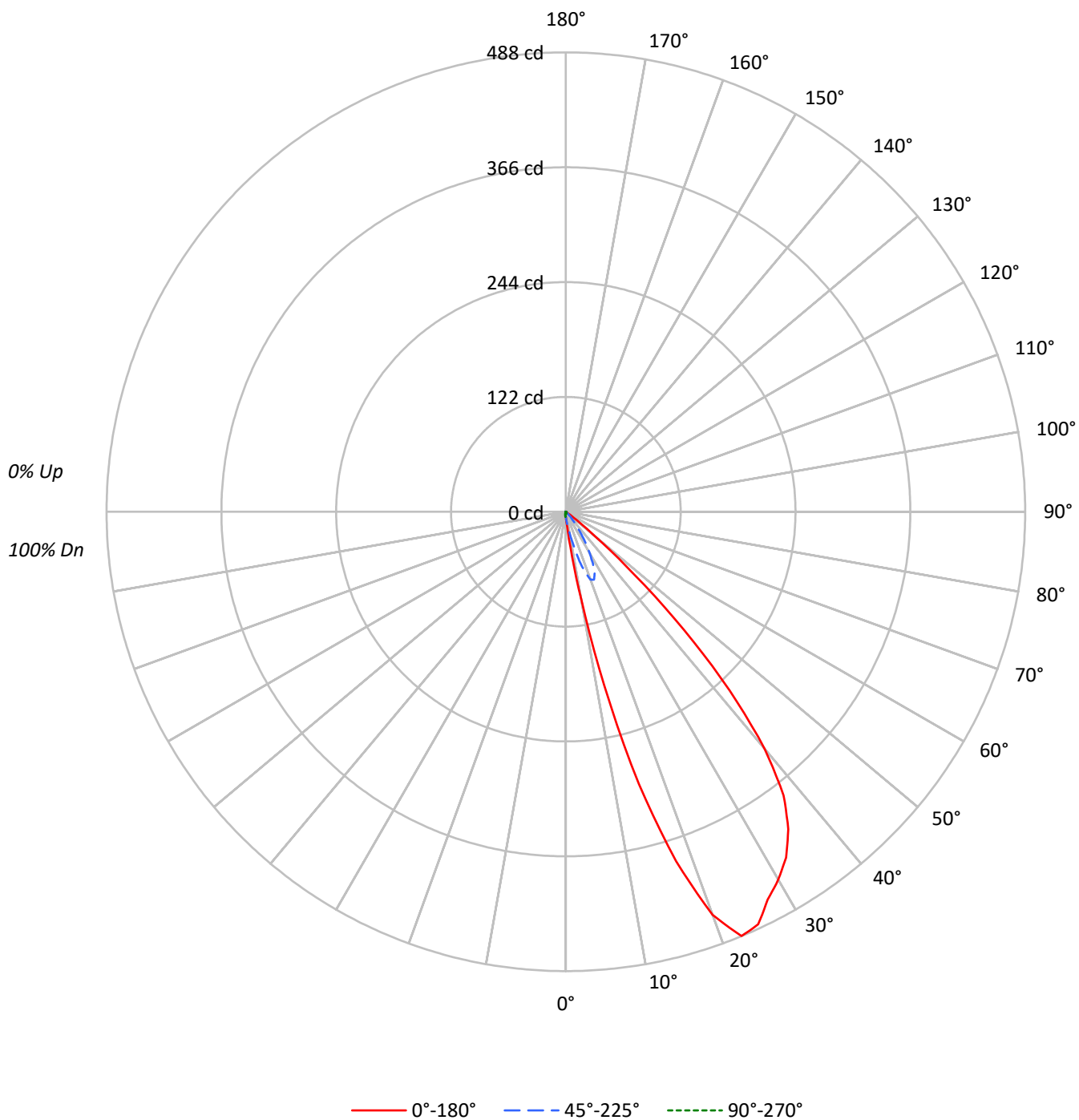
Lumens per Lamp: N/A
Luminaire Lumens: 115.0 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1206	1206	1206	1206	1206
5°	3610	2399	1123	506	418
10°	20886	5099	891	245	156
15°	67969	11578	613	45	23
20°	106339	17898	397	0	0
25°	117007	17493	194	0	0
30°	114271	12610	76	0	0
35°	110289	7174	27	0	0
40°	94062	3034	0	0	0
45°	55200	1147	31	0	31
50°	13407	205	34	34	102
55°	1147	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.9
10°-20°	15.8	13.7
20°-30°	40.2	34.9
30°-40°	40.0	34.8
40°-50°	16.2	14.1
50°-60°	1.1	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
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°	57.0	49.6
0°-40°	97.0	84.4
0°-60°	114.3	99.5
0°-90°	115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	115.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	16	11	5	2	2	4
15°	299	51	3	0	0	87
25°	484	72	1	0	0	218
35°	412	27	0	0	0	253
45°	178	4	0	0	0	136
55°	3	0	0	0	0	8
65°	0	0	0	0	0	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°	35°	40°	45°	67.5°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	9.0	9.1	9.1	8.9	8.8	8.8	8.5	8.4	8.1	7.8	6.7
5°	16.4	16.1	15.7	15.7	14.7	14.2	13.5	12.6	12.0	10.9	7.8
7.5°	37.2	34.7	33.9	33.0	29.4	26.6	23.3	20.5	17.9	15.7	8.6
10°	93.8	88.9	84.8	76.5	66.1	56.1	46.9	36.1	28.8	22.9	9.2
12.5°	189.0	182.4	174.5	159.4	140.0	115.1	93.0	69.5	48.8	33.7	9.5
15°	299.4	288.1	275.8	256.6	224.8	189.0	149.2	111.7	78.3	51.0	9.2
17.5°	389.3	384.9	366.7	340.5	301.5	255.5	206.4	155.1	105.6	66.7	8.6
20°	455.7	452.7	430.7	402.8	358.9	306.1	243.8	182.2	124.6	76.7	7.7
22.5°	487.8	487.3	471.4	442.8	396.3	336.5	267.9	197.9	130.5	78.1	6.4
25°	483.6	485.5	476.4	455.2	410.6	349.0	275.0	197.9	126.2	72.3	5.4
27.5°	464.5	465.7	460.1	443.8	402.2	339.9	265.0	185.2	113.7	62.1	4.4
30°	451.3	451.9	444.8	427.4	383.2	319.3	241.5	161.6	94.8	49.8	3.3
32.5°	435.4	435.3	427.1	407.1	358.4	290.5	211.6	133.6	72.8	37.8	1.9
35°	412.0	409.4	398.3	375.3	321.5	251.6	173.5	101.7	52.4	26.8	1.2
37.5°	380.0	373.2	357.4	326.6	269.5	197.2	128.6	71.5	35.8	17.8	0.7
40°	328.6	321.3	299.9	262.5	203.9	142.0	86.7	46.6	22.6	10.6	0.4
42.5°	257.7	252.7	223.8	186.5	134.6	90.6	52.1	27.5	12.7	6.1	0.1
45°	178.0	171.6	148.9	117.3	80.8	50.2	29.2	14.4	7.3	3.7	0.0
47.5°	98.3	90.4	77.2	60.7	40.7	26.4	14.7	7.8	4.1	1.8	0.0
50°	39.3	39.0	31.0	22.1	15.6	12.0	7.4	4.2	2.1	0.6	0.1
52.5°	13.8	13.8	11.9	9.7	7.6	5.5	3.7	2.0	0.7	0.2	0.1
55°	3.0	3.4	3.2	2.9	2.8	2.4	1.6	0.7	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	5.5	5.5	5.5	5.5	5.5
2.5°	5.5	4.3	3.6	3.2	3.0
5°	5.1	3.3	2.3	2.0	1.9
7.5°	4.6	2.4	1.6	1.3	1.2
10°	4.0	1.8	1.1	0.7	0.7
12.5°	3.4	1.4	0.6	0.3	0.2
15°	2.7	0.8	0.2	0.1	0.1
17.5°	2.1	0.5	0.0	0.0	0.0
20°	1.7	0.2	0.0	0.0	0.0
22.5°	1.3	0.1	0.0	0.0	0.0
25°	0.8	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)