

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: P1335070

Luminaire Tested: P3A02R309730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335070
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: P3A02R309730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

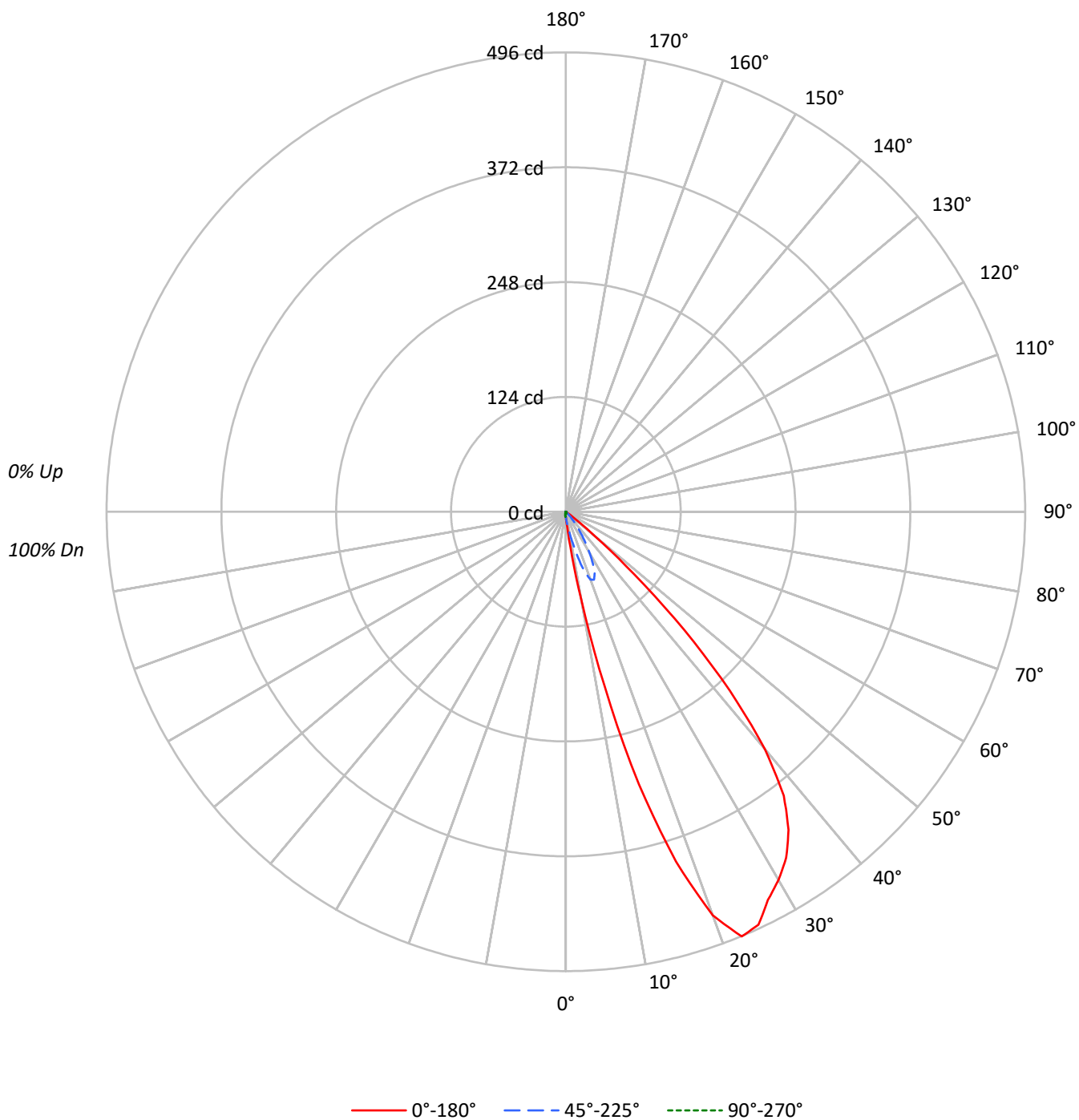
Lumens per Lamp: N/A
Luminaire Lumens: 116.9 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	91	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1228	1228	1228	1228	1228
5°	3676	2443	1145	528	418
10°	21264	5188	913	245	156
15°	69149	11782	636	45	23
20°	108206	18202	397	0	0
25°	119039	17807	218	0	0
30°	116271	12837	76	0	0
35°	112217	7308	27	0	0
40°	95694	3092	0	0	0
45°	56161	1147	31	0	31
50°	13646	205	34	34	102
55°	1185	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: 56161 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.9
10°-20°	16.1	13.8
20°-30°	40.9	34.9
30°-40°	40.7	34.8
40°-50°	16.5	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°	58.0	49.6
0°-40°	98.7	84.4
0°-60°	116.3	99.5
0°-90°	116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	17	11	5	2	2	4
15°	305	52	3	0	0	89
25°	492	74	1	0	0	222
35°	419	27	0	0	0	257
45°	181	4	0	0	0	138
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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	9.2	9.3	9.3	9.1	9.0	9.0	8.7	8.6	8.2	7.9	6.8
5°	16.7	16.4	15.9	15.9	15.0	14.4	13.7	12.8	12.2	11.1	7.9
7.5°	37.8	35.3	34.5	33.6	29.9	27.0	23.7	20.8	18.2	15.9	8.8
10°	95.5	90.4	86.3	77.8	67.2	57.1	47.7	36.8	29.3	23.3	9.4
12.5°	192.3	185.6	177.6	162.2	142.4	117.1	94.6	70.7	49.6	34.3	9.6
15°	304.6	293.2	280.6	261.1	228.7	192.3	151.8	113.6	79.6	51.9	9.4
17.5°	396.1	391.6	373.1	346.4	306.7	259.9	210.0	157.8	107.4	67.9	8.8
20°	463.7	460.6	438.2	409.8	365.1	311.4	248.0	185.4	126.8	78.0	7.8
22.5°	496.3	495.7	479.6	450.5	403.2	342.3	272.5	201.3	132.8	79.4	6.5
25°	492.0	493.9	484.7	463.1	417.7	355.1	279.8	201.3	128.4	73.6	5.5
27.5°	472.5	473.8	468.1	451.5	409.1	345.9	269.6	188.4	115.7	63.2	4.5
30°	459.2	459.7	452.6	434.8	389.9	324.9	245.7	164.4	96.4	50.7	3.3
32.5°	442.9	442.8	434.5	414.2	364.7	295.5	215.3	135.9	74.1	38.5	1.9
35°	419.2	416.5	405.2	381.8	327.0	255.9	176.5	103.5	53.3	27.3	1.2
37.5°	386.6	379.6	363.6	332.3	274.2	200.7	130.9	72.7	36.5	18.1	0.7
40°	334.3	326.9	305.1	267.1	207.4	144.4	88.2	47.4	23.0	10.8	0.4
42.5°	262.1	257.1	227.7	189.8	137.0	92.2	53.0	28.0	12.9	6.2	0.1
45°	181.1	174.6	151.5	119.3	82.2	51.1	29.7	14.6	7.4	3.7	0.0
47.5°	100.0	91.9	78.6	61.8	41.4	26.8	15.0	7.9	4.2	1.8	0.0
50°	40.0	39.7	31.5	22.5	15.8	12.2	7.5	4.3	2.1	0.6	0.1
52.5°	14.0	14.0	12.1	9.8	7.7	5.6	3.7	2.0	0.7	0.2	0.1
55°	3.1	3.4	3.2	3.0	2.9	2.5	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°	5.6	5.6	5.6	5.6	5.6
2.5°	5.6	4.4	3.6	3.2	3.1
5°	5.2	3.3	2.4	2.0	1.9
7.5°	4.7	2.5	1.6	1.3	1.2
10°	4.1	1.8	1.1	0.7	0.7
12.5°	3.4	1.4	0.6	0.3	0.2
15°	2.8	0.9	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°	0.9	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)