

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: P1335486

Luminaire Tested: P3A02R359835DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359835DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

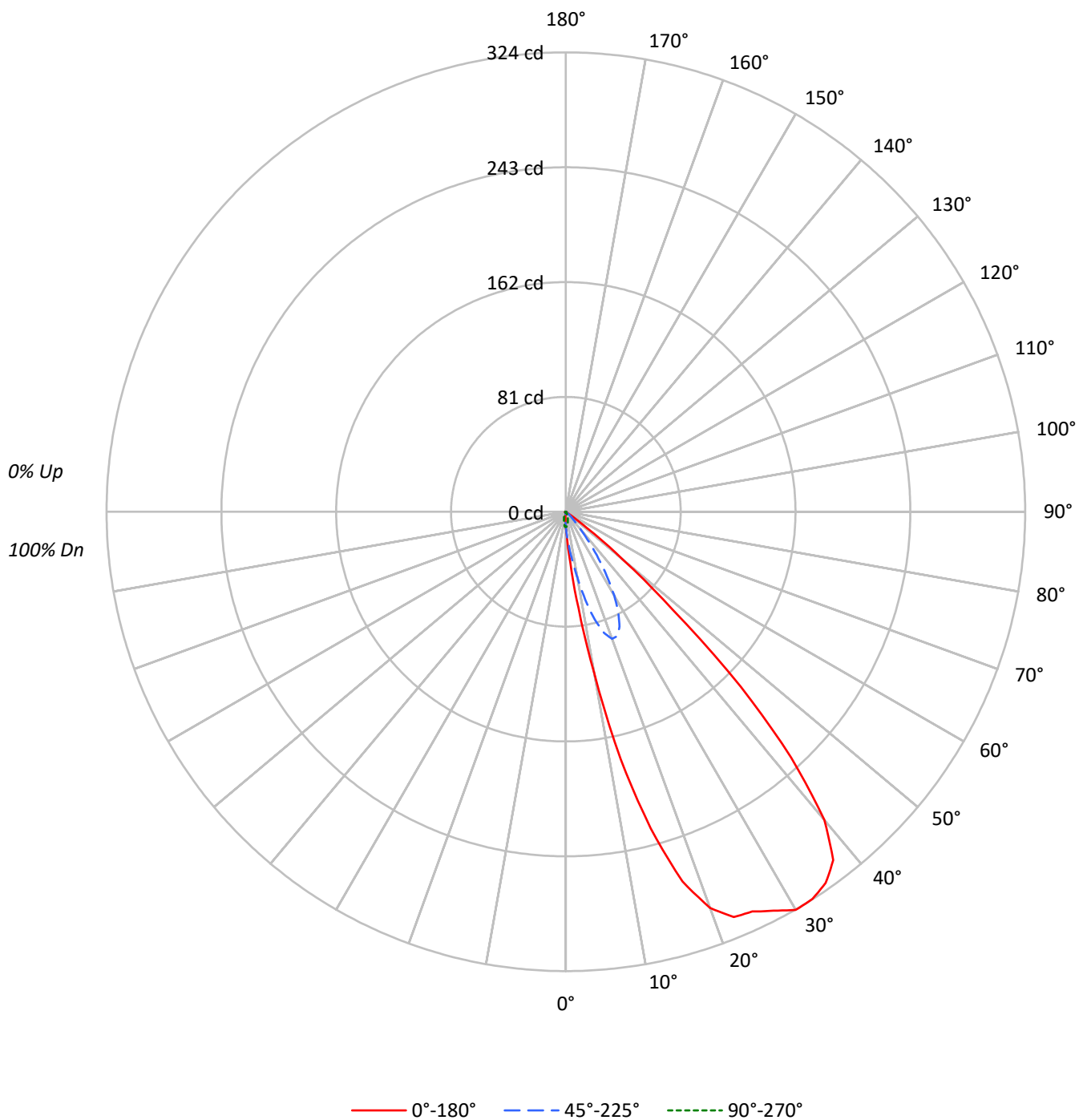
Lumens per Lamp: N/A
Luminaire Lumens: 102.1 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2346	2346	2346	2346	2346
5°	7990	5195	2201	924	682
10°	25740	10532	1737	356	223
15°	52463	17866	1226	114	91
20°	69376	22262	793	47	47
25°	75270	21654	436	24	48
30°	82114	17243	177	25	51
35°	85554	10734	54	27	54
40°	81209	4695	29	57	86
45°	54207	1861	31	93	155
50°	18183	307	68	136	171
55°	1032	38	76	191	229
60°	88	44	132	219	263
65°	104	52	156	259	311
70°	64	64	192	321	321
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54207 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	1.8
10°-20°	14.6	14.4
20°-30°	30.9	30.3
30°-40°	35.1	34.4
40°-50°	17.3	16.9
50°-60°	1.5	1.5
60°-70°	0.3	0.3
70°-80°	0.3	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°	47.4	46.5
0°-40°	82.5	80.9
0°-60°	101.3	99.2
0°-90°	102.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	102.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	36	24	10	4	3	6
15°	231	79	5	0	0	66
25°	311	90	2	0	0	145
35°	320	40	0	0	0	197
45°	175	6	0	0	0	129
55°	3	0	0	0	1	10
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°	35°	40°	45°	67.5°
0°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
2.5°	18.6	19.0	18.9	18.8	18.7	18.3	17.5	17.4	16.6	16.0	13.3
5°	36.3	35.6	35.8	34.8	33.5	31.7	30.5	27.9	25.8	23.6	15.5
7.5°	68.5	67.5	65.6	62.6	59.6	55.7	49.7	45.0	39.5	34.2	17.2
10°	115.6	115.1	112.6	105.1	98.5	88.0	78.1	67.7	57.4	47.3	18.4
12.5°	178.6	174.9	170.4	160.4	147.4	134.2	114.7	96.7	80.3	63.5	18.5
15°	231.1	228.7	222.4	209.4	193.7	174.7	151.5	127.3	102.5	78.7	17.6
17.5°	273.3	269.6	261.5	248.8	230.7	206.0	178.9	149.3	119.2	89.6	16.0
20°	297.3	295.4	289.2	276.4	256.7	229.7	198.9	164.4	129.7	95.4	14.0
22.5°	309.4	308.0	303.4	293.3	274.9	247.7	212.3	172.3	132.7	94.8	11.9
25°	311.1	310.8	306.8	299.1	283.7	256.8	218.2	173.8	130.2	89.5	9.9
27.5°	317.2	315.9	311.2	303.5	288.1	258.4	216.2	168.7	122.2	80.1	8.2
30°	324.3	323.4	318.7	310.8	292.4	256.9	209.0	157.6	109.5	68.1	6.1
32.5°	323.8	323.4	319.5	311.0	289.3	248.3	196.3	140.8	92.2	53.7	3.8
35°	319.6	318.4	313.4	300.4	271.6	226.2	172.1	118.1	73.0	40.1	2.5
37.5°	309.8	307.0	298.7	276.6	239.8	192.0	140.2	91.2	51.6	26.8	1.6
40°	283.7	280.2	263.4	236.8	198.2	151.3	104.3	62.7	34.1	16.4	0.6
42.5°	235.3	228.3	211.5	184.1	148.0	106.9	68.5	40.7	20.1	9.9	0.2
45°	174.8	169.4	151.8	127.0	97.0	68.6	41.5	22.0	11.1	6.0	0.1
47.5°	101.8	98.5	89.5	73.2	53.6	36.0	21.2	11.8	6.5	2.9	0.1
50°	53.3	49.2	42.3	32.0	23.6	16.6	10.3	6.3	3.2	0.9	0.1
52.5°	18.7	18.4	16.8	12.6	10.3	7.4	5.0	2.7	0.9	0.2	0.1
55°	2.7	2.7	2.5	2.7	2.9	2.7	1.7	0.7	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	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°	10.7	10.7	10.7	10.7	10.7
2.5°	10.6	8.5	6.8	6.0	5.7
5°	10.0	6.4	4.2	3.3	3.1
7.5°	8.9	4.6	2.6	1.8	1.7
10°	7.8	3.3	1.6	1.1	1.0
12.5°	6.5	2.3	1.0	0.6	0.5
15°	5.4	1.6	0.5	0.5	0.4
17.5°	4.3	1.0	0.4	0.3	0.4
20°	3.4	0.6	0.2	0.2	0.2
22.5°	2.6	0.4	0.2	0.2	0.2
25°	1.8	0.2	0.1	0.1	0.2
27.5°	1.3	0.1	0.1	0.1	0.2
30°	0.7	0.1	0.1	0.1	0.2
32.5°	0.4	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.5
50°	0.2	0.3	0.4	0.5	0.5
52.5°	0.2	0.3	0.5	0.5	0.6
55°	0.2	0.4	0.5	0.6	0.6
57.5°	0.3	0.4	0.5	0.6	0.6
60°	0.3	0.4	0.5	0.6	0.6
62.5°	0.3	0.4	0.5	0.6	0.6
65°	0.3	0.4	0.5	0.6	0.6
67.5°	0.3	0.4	0.5	0.5	0.6
70°	0.3	0.4	0.5	0.5	0.5
72.5°	0.4	0.4	0.5	0.5	0.5
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)