

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: P1335102

Luminaire Tested: P3A02R309740DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335102
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: P3A02R309740DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

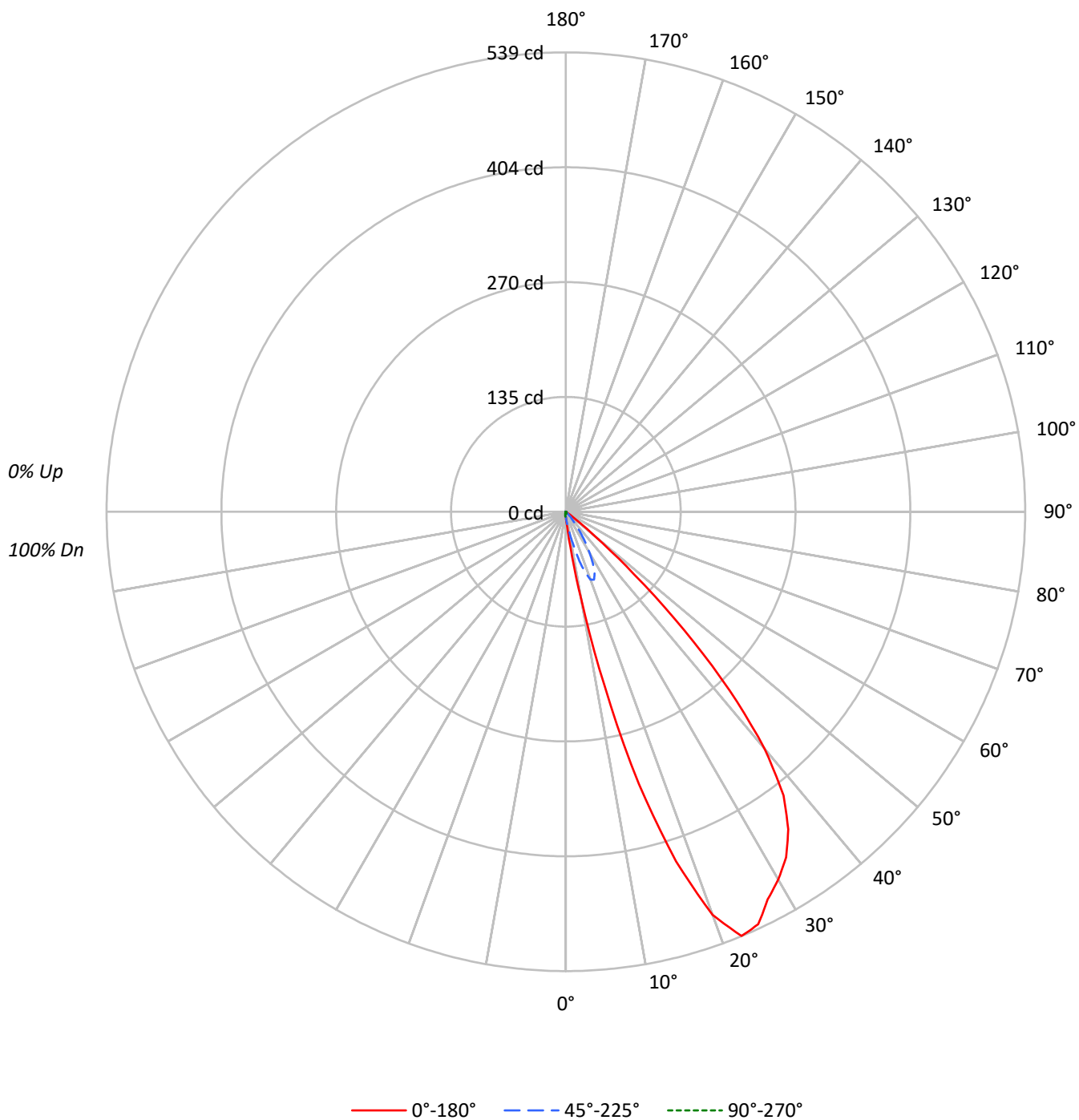
Lumens per Lamp: N/A
Luminaire Lumens: 126.9 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	89	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	81	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	50	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1316	1316	1316	1316	1316
5°	3984	2663	1255	572	462
10°	23068	5633	980	267	178
15°	75052	12781	681	45	23
20°	117447	19765	443	0	0
25°	129225	19308	218	0	0
30°	126197	13926	76	0	0
35°	121800	7924	27	0	0
40°	103880	3349	0	0	0
45°	60968	1271	31	0	31
50°	14805	239	34	34	102
55°	1300	0	76	115	191
60°	44	0	88	132	263
65°	52	52	156	156	311
70°	64	64	192	192	321
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: 60968 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.9
10°-20°	17.5	13.8
20°-30°	44.4	35.0
30°-40°	44.2	34.8
40°-50°	17.9	14.1
50°-60°	1.2	1.0
60°-70°	0.3	0.2
70°-80°	0.3	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°	62.9	49.6
0°-40°	107.1	84.4
0°-60°	126.3	99.5
0°-90°	126.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	126.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	18	12	6	3	2	4
15°	331	56	3	0	0	96
25°	534	80	1	0	0	241
35°	455	30	0	0	0	279
45°	197	4	0	0	0	150
55°	3	0	0	0	0	9
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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	10.0	10.1	10.1	9.9	9.7	9.7	9.4	9.3	8.9	8.6	7.4
5°	18.1	17.8	17.3	17.3	16.2	15.7	14.9	13.9	13.2	12.1	8.6
7.5°	41.1	38.3	37.5	36.4	32.5	29.4	25.8	22.6	19.7	17.3	9.5
10°	103.6	98.2	93.7	84.5	73.0	62.0	51.8	39.9	31.8	25.3	10.2
12.5°	208.8	201.5	192.8	176.0	154.6	127.1	102.7	76.7	53.8	37.3	10.4
15°	330.6	318.2	304.6	283.4	248.2	208.8	164.8	123.4	86.5	56.3	10.2
17.5°	430.0	425.1	405.0	376.0	332.9	282.1	227.9	171.3	116.6	73.7	9.5
20°	503.3	499.9	475.7	444.8	396.3	338.1	269.2	201.2	137.6	84.7	8.5
22.5°	538.7	538.1	520.6	489.0	437.6	371.6	295.8	218.5	144.1	86.2	7.1
25°	534.1	536.1	526.2	502.7	453.4	385.4	303.7	218.5	139.4	79.8	5.9
27.5°	512.9	514.3	508.1	490.1	444.1	375.4	292.7	204.5	125.6	68.6	4.9
30°	498.4	499.0	491.2	472.0	423.2	352.7	266.7	178.5	104.7	55.0	3.6
32.5°	480.8	480.7	471.6	449.6	395.8	320.8	233.7	147.5	80.4	41.8	2.1
35°	455.0	452.1	439.8	414.4	355.0	277.8	191.6	112.3	57.9	29.6	1.3
37.5°	419.6	412.1	394.7	360.7	297.7	217.8	142.0	78.9	39.6	19.6	0.8
40°	362.9	354.9	331.2	289.9	225.1	156.8	95.7	51.4	25.0	11.7	0.5
42.5°	284.6	279.1	247.2	206.0	148.7	100.0	57.6	30.4	14.0	6.7	0.1
45°	196.6	189.5	164.4	129.5	89.2	55.5	32.3	15.9	8.0	4.1	0.0
47.5°	108.5	99.8	85.3	67.1	44.9	29.1	16.2	8.6	4.5	2.0	0.0
50°	43.4	43.1	34.2	24.4	17.2	13.2	8.1	4.6	2.3	0.7	0.1
52.5°	15.2	15.2	13.1	10.7	8.4	6.0	4.1	2.2	0.8	0.2	0.1
55°	3.4	3.7	3.5	3.2	3.1	2.7	1.7	0.8	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.5	0.6	0.6	0.5	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°	6.0	6.0	6.0	6.0	6.0
2.5°	6.0	4.8	3.9	3.5	3.4
5°	5.7	3.6	2.6	2.2	2.1
7.5°	5.1	2.7	1.7	1.4	1.3
10°	4.4	2.0	1.2	0.8	0.8
12.5°	3.7	1.5	0.7	0.3	0.2
15°	3.0	0.9	0.2	0.1	0.1
17.5°	2.3	0.6	0.0	0.0	0.0
20°	1.9	0.2	0.0	0.0	0.0
22.5°	1.4	0.1	0.0	0.0	0.0
25°	0.9	0.0	0.0	0.0	0.0
27.5°	0.6	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	0.5	0.5
57.5°	0.2	0.2	0.3	0.5	0.5
60°	0.2	0.2	0.3	0.5	0.6
62.5°	0.3	0.3	0.3	0.5	0.5
65°	0.3	0.3	0.3	0.5	0.6
67.5°	0.3	0.3	0.3	0.5	0.6
70°	0.3	0.3	0.3	0.5	0.5
72.5°	0.5	0.3	0.3	0.5	0.5
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)