

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: P1271025

Luminaire Tested: P3AS02R509827DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R509827DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

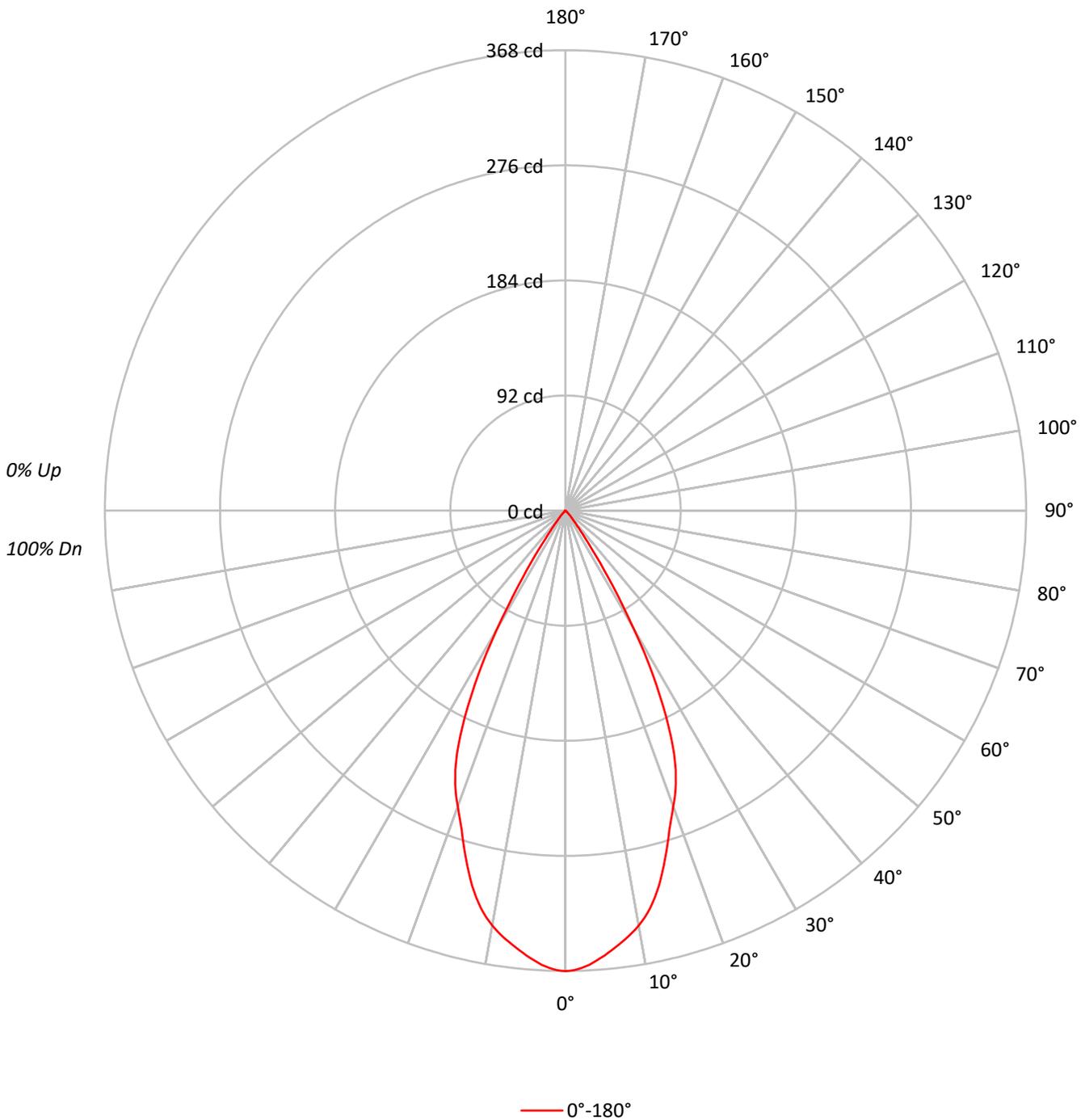
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 231.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	91	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	87	84	82	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	76	72	70	68
8	84	76	71	67	83	76	71	67	74	70	67	74	69	66	73	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80717
5°	78582
10°	74993
15°	67878
20°	58735
25°	48172
30°	27675
35°	8593
40°	2319
45°	806
50°	205
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 806 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	14.5
10°-20°	82.9	35.9
20°-30°	87.1	37.7
30°-40°	24.9	10.8
40°-50°	2.5	1.1
50°-60°	0.2	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	203.4	88.0
0°-40°	228.3	98.8
0°-60°	231.0	100.0
0°-90°	231.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	368	
5°	357	33
15°	299	83
25°	199	87
35°	32	25
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	368.1
1°	367.6
2°	365.9
3°	363.6
4°	360.4
5°	357.0
6°	353.3
7°	349.4
8°	345.7
9°	341.5
10°	336.8
11°	331.3
12°	325.0
13°	317.2
14°	308.7
15°	299.0
16°	288.8
17°	278.8
18°	268.6
19°	259.7
20°	251.7
21°	244.0
22°	235.3
23°	225.3
24°	213.5
25°	199.1
26°	183.5
27°	166.0
28°	148.7
29°	129.9
30°	109.3
31°	90.0
32°	72.2
32.5°	64.5
33°	56.6
34°	43.4
35°	32.1
36°	23.6
37°	17.5
37.5°	15.2
38°	13.1
39°	10.2
40°	8.1
42.5°	4.6
45°	2.6



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	1.5
50°	0.6
52.5°	0.2
55°	0.2
57.5°	0.2
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)