

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: P1270972

Luminaire Tested: P3AS02R409827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R409827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

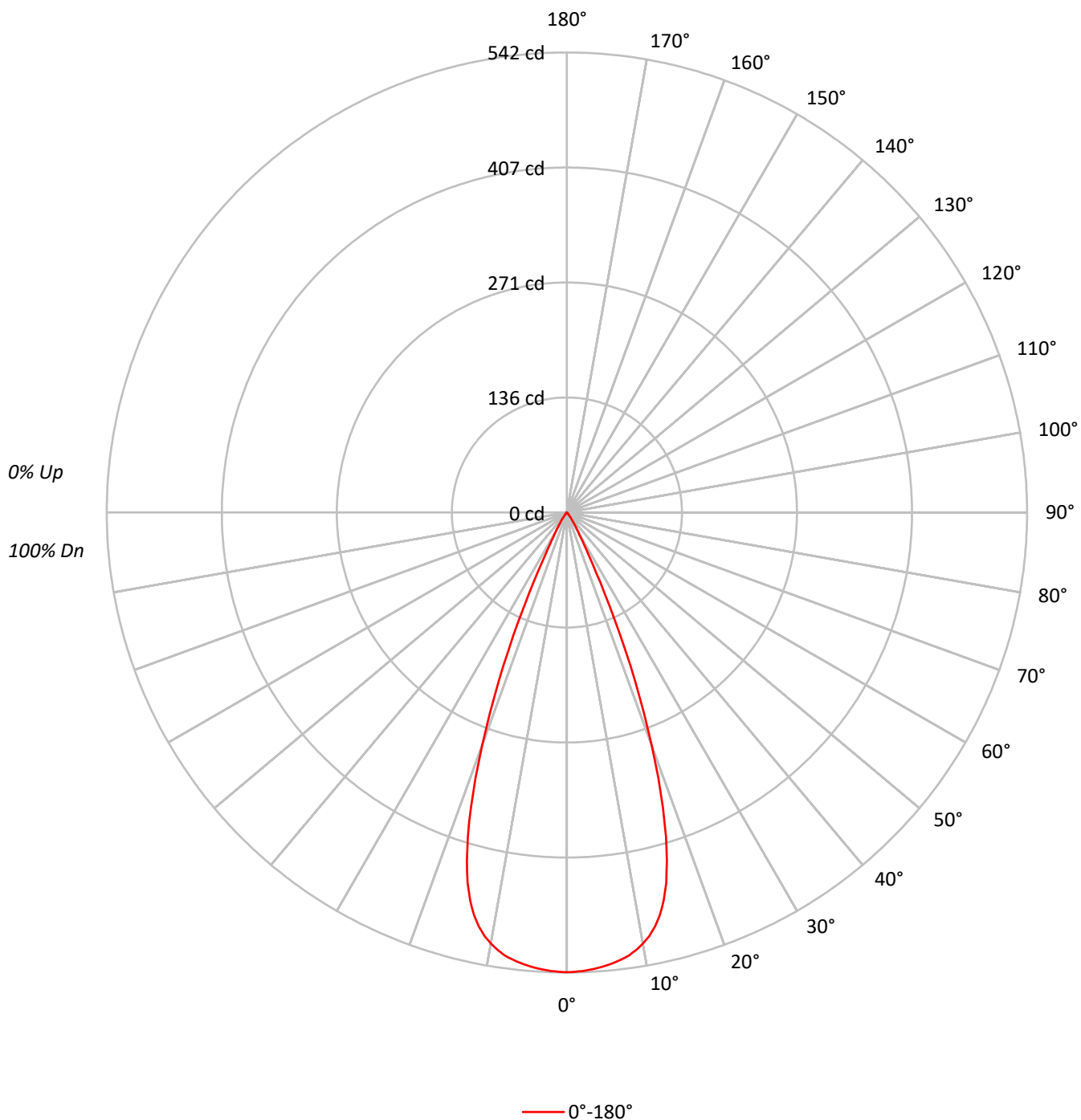
Lumens per Lamp: N/A
Luminaire Lumens: 233.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1270972

CATALOG NUMBER: P3AS02R409827DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270972

CATALOG NUMBER: P3AS02R409827DE010 E3D1WMH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	76	72	69	76	72	69		75	72	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118762
5°	117917
10°	114828
15°	102566
20°	67999
25°	25477
30°	6811
35°	2677
40°	945
45°	465
50°	136
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: 465 cd/sqm

TEST NUMBER: P1270972

CATALOG NUMBER: P3AS02R409827DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	21.7
10°-20°	119.7	51.4
20°-30°	54.3	23.3
30°-40°	7.0	3.0
40°-50°	1.2	0.5
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°	224.6	96.4
0°-40°	231.6	99.4
0°-60°	233.0	100.0
0°-90°	233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	233.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	542	
5°	536	51
15°	452	120
25°	105	54
35°	10	7
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270972

CATALOG NUMBER: P3AS02R409827DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	541.6
1°	541.3
2°	540.5
3°	539.2
4°	537.7
5°	535.7
6°	533.3
7°	530.4
8°	526.8
9°	521.9
10°	515.7
11°	508.4
12°	498.7
13°	486.7
14°	471.1
15°	451.8
16°	427.3
17°	399.3
18°	365.7
19°	330.2
20°	291.4
21°	252.7
22°	214.5
23°	176.5
24°	139.2
25°	105.3
26°	78.0
27°	57.1
28°	42.9
29°	33.4
30°	26.9
31°	22.3
32°	18.6
32.5°	17.0
33°	15.3
34°	12.5
35°	10.0
36°	7.8
37°	6.2
37.5°	5.5
38°	4.9
39°	4.1
40°	3.3
42.5°	2.2
45°	1.5



TEST NUMBER: P1270972

CATALOG NUMBER: P3AS02R409827DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	0.9
50°	0.4
52.5°	0.2
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.0
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)