

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: P1271139

Luminaire Tested: P3AS02R709827DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R709827DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

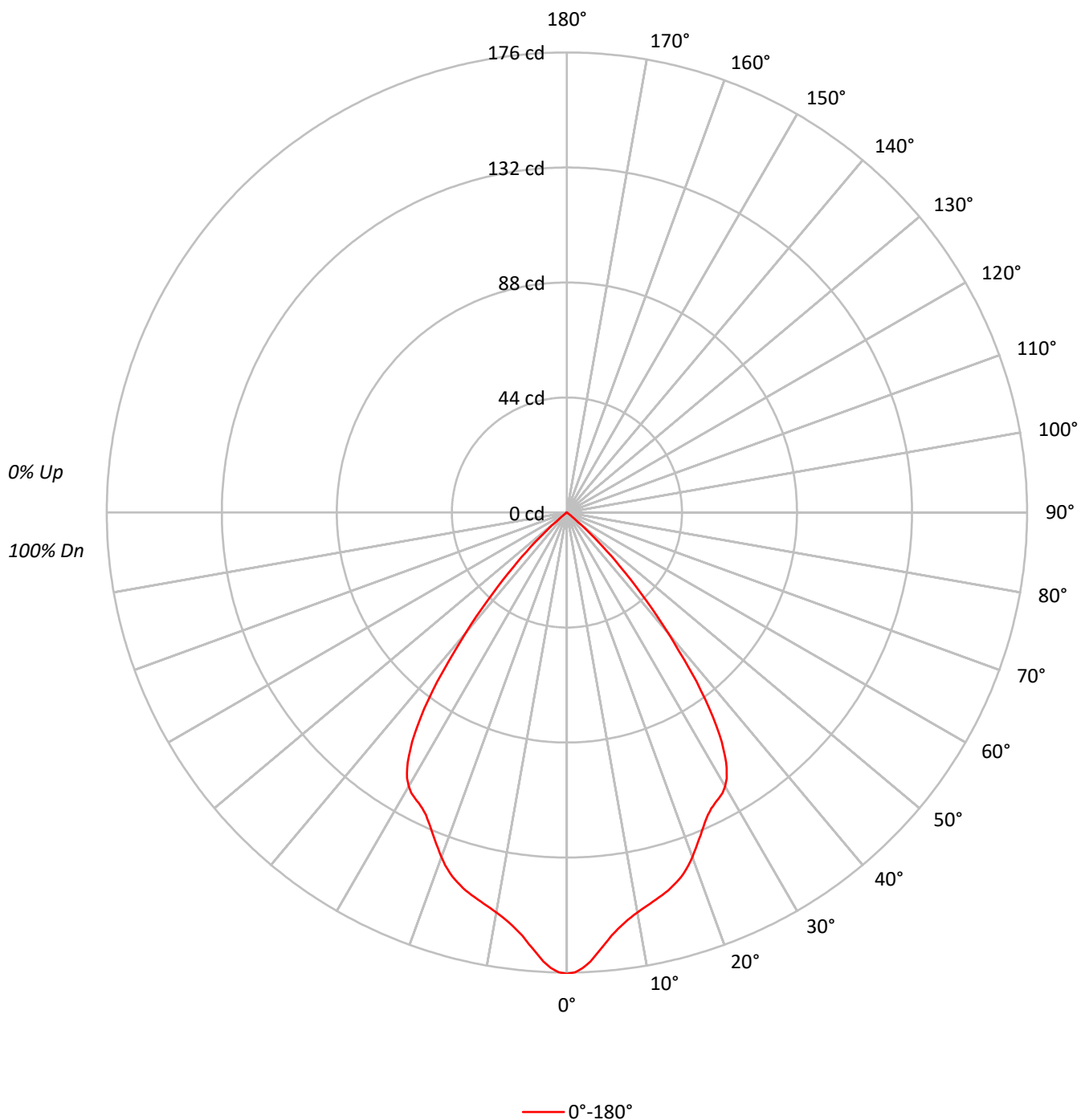
Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1271139

CATALOG NUMBER: P3AS02R709827DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1271139

CATALOG NUMBER: P3AS02R709827DE010 E3D1LI

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38703
5°	36496
10°	34602
15°	33984
20°	32740
25°	30873
30°	30638
35°	26689
40°	17261
45°	8156
50°	1160
55°	76
60°	88
65°	104
70°	64
75°	85
80°	126
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8156 cd/sqm

TEST NUMBER: P1271139

CATALOG NUMBER: P3AS02R709827DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	7.8
10°-20°	42.0	21.1
20°-30°	59.4	29.9
30°-40°	59.7	30.0
40°-50°	21.5	10.8
50°-60°	0.6	0.3
60°-70°	0.2	0.1
70°-80°	0.1	0.1
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°	117.0	58.8
0°-40°	176.7	88.8
0°-60°	198.7	99.9
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	176	
5°	166	15
15°	150	42
25°	128	59
35°	100	60
45°	26	21
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1271139

CATALOG NUMBER: P3AS02R709827DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	176.5
1°	176.0
2°	174.4
3°	172.0
4°	168.9
5°	165.8
6°	162.8
7°	160.5
8°	158.5
9°	156.8
10°	155.4
11°	154.1
12°	153.0
13°	151.9
14°	150.8
15°	149.7
16°	148.3
17°	146.8
18°	145.0
19°	142.8
20°	140.3
21°	137.6
22°	134.9
23°	132.3
24°	129.8
25°	127.6
26°	126.0
27°	124.8
28°	123.8
29°	122.7
30°	121.0
31°	118.7
32°	115.3
32.5°	113.4
33°	110.9
34°	105.9
35°	99.7
36°	92.8
37°	85.1
37.5°	81.5
38°	76.6
39°	67.8
40°	60.3
42.5°	41.8
45°	26.3



TEST NUMBER: P1271139

CATALOG NUMBER: P3AS02R709827DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	14.1
50°	3.4
52.5°	0.4
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.1
70°	0.1
72.5°	0.1
75°	0.1
77.5°	0.1
80°	0.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)