

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: P1272434

Luminaire Tested: P3AS17R559827DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R559827DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

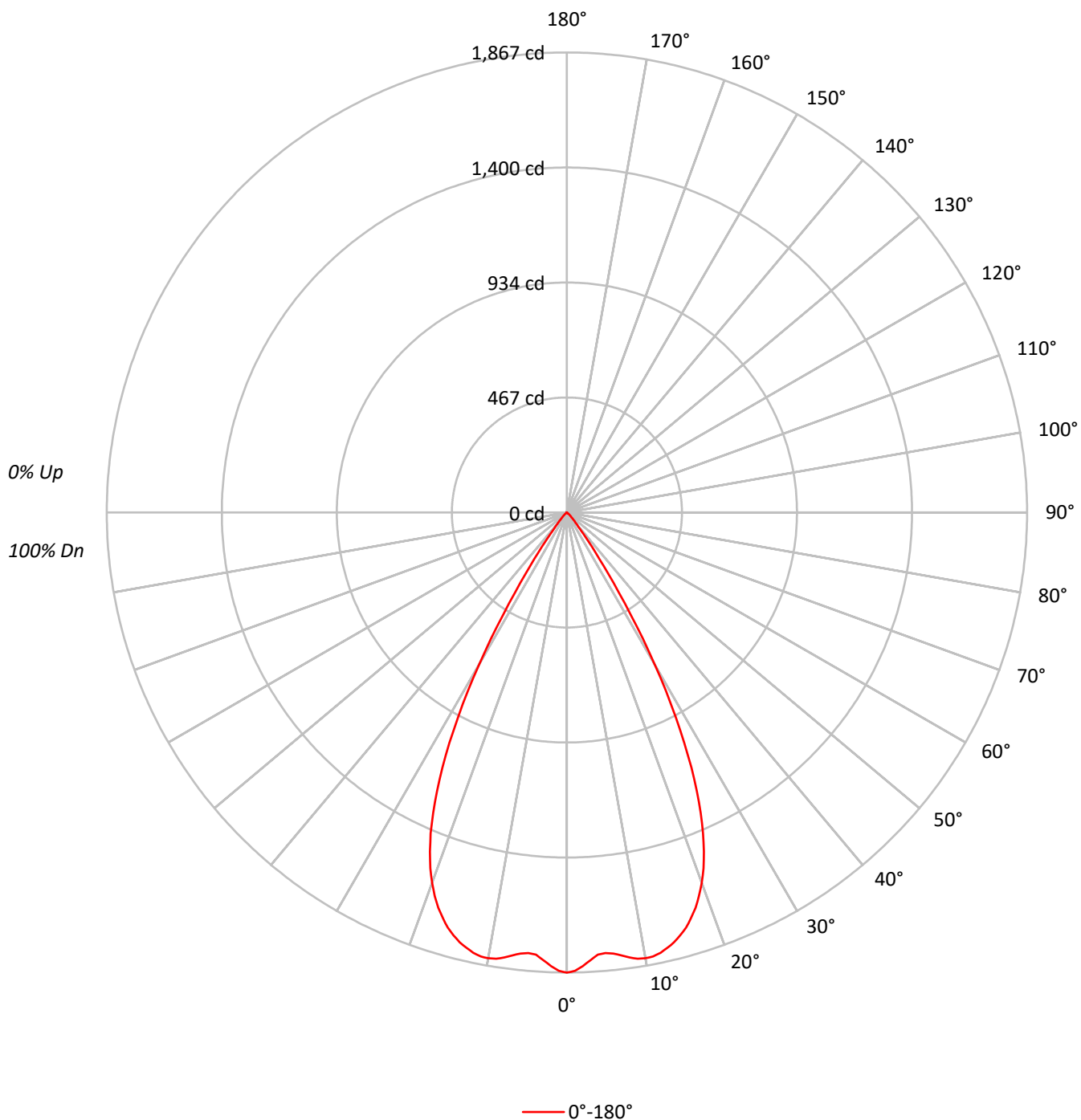
Lumens per Lamp: N/A
Luminaire Lumens: 1411.9 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1272434

CATALOG NUMBER: P3AS17R559827DE010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1272434

CATALOG NUMBER: P3AS17R559827DE010 E3D1WH

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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	409463
5°	394980
10°	409100
15°	403317
20°	373272
25°	301880
30°	180914
35°	61328
40°	16889
45°	7474
50°	2183
55°	421
60°	219
65°	259
70°	321
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7474 cd/sqm

TEST NUMBER: P1272434

CATALOG NUMBER: P3AS17R559827DE010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	12.3
10°-20°	494.6	35.0
20°-30°	549.8	38.9
30°-40°	171.2	12.1
40°-50°	20.5	1.5
50°-60°	1.6	0.1
60°-70°	0.5	0.0
70°-80°	0.1	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°	1218.1	86.3
0°-40°	1389.3	98.4
0°-60°	1411.4	100.0
0°-90°	1411.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1411.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1867	
5°	1794	174
15°	1777	495
25°	1248	550
35°	229	171
45°	24	21
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272434

CATALOG NUMBER: P3AS17R559827DE010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1867.3
1°	1860.3
2°	1842.1
3°	1819.6
4°	1799.2
5°	1794.4
6°	1799.7
7°	1811.0
8°	1823.9
9°	1834.0
10°	1837.3
11°	1835.1
12°	1826.5
13°	1813.1
14°	1797.6
15°	1776.6
16°	1752.5
17°	1721.9
18°	1687.6
19°	1646.3
20°	1599.6
21°	1546.5
22°	1483.8
23°	1414.6
24°	1335.2
25°	1247.7
26°	1151.7
27°	1049.8
28°	940.9
29°	828.8
30°	714.5
31°	599.7
32°	487.6
32.5°	437.7
33°	386.2
34°	298.8
35°	229.1
36°	174.3
37°	129.3
37.5°	110.5
38°	96.0
39°	73.0
40°	59.0
42.5°	37.5
45°	24.1



TEST NUMBER: P1272434

CATALOG NUMBER: P3AS17R559827DE010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	14.5
50°	6.4
52.5°	2.1
55°	1.1
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)