

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: P1272348

Luminaire Tested: P3AS17R409827DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272348
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: P3AS17R409827DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

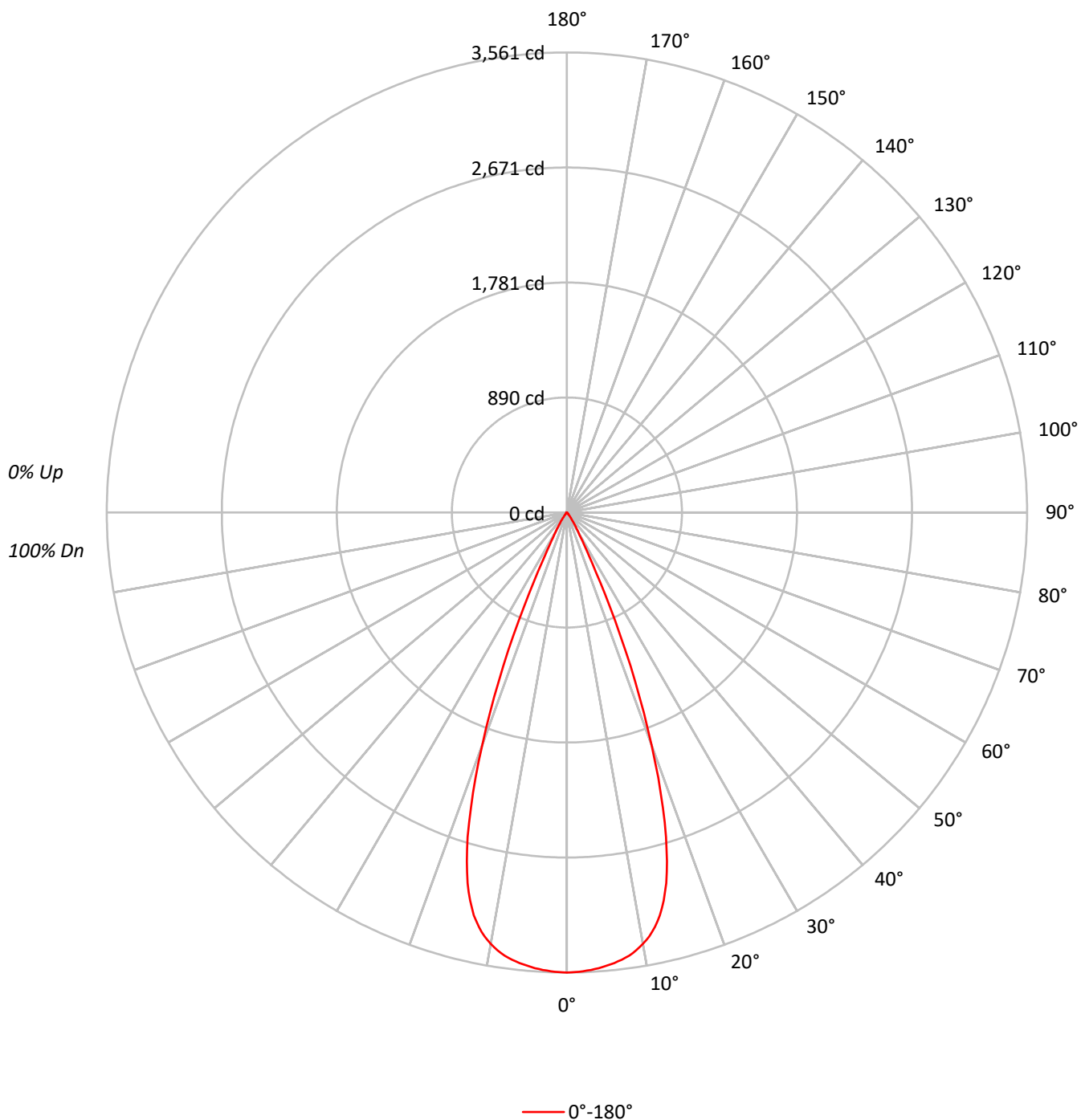
Lumens per Lamp: N/A
Luminaire Lumens: 1532.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1272348

CATALOG NUMBER: P3AS17R409827DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1272348

CATALOG NUMBER: P3AS17R409827DE010 E3D1H

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	77	72	69	76	72	69		75	72	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	780902
5°	775257
10°	754963
15°	674397
20°	447176
25°	167526
30°	44817
35°	17507
40°	6298
45°	3008
50°	921
55°	421
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3008 cd/sqm

TEST NUMBER: P1272348

CATALOG NUMBER: P3AS17R409827DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.4	21.7
10°-20°	787.1	51.4
20°-30°	357.0	23.3
30°-40°	46.3	3.0
40°-50°	8.0	0.5
50°-60°	0.9	0.1
60°-70°	0.3	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°	1476.5	96.4
0°-40°	1522.7	99.4
0°-60°	1531.7	100.0
0°-90°	1532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3561	
5°	3522	332
15°	2971	787
25°	692	357
35°	65	46
45°	10	8
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272348

CATALOG NUMBER: P3AS17R409827DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3561.2
1°	3559.0
2°	3553.7
3°	3545.6
4°	3535.4
5°	3522.0
6°	3506.5
7°	3487.2
8°	3463.6
9°	3431.4
10°	3390.6
11°	3342.9
12°	3279.1
13°	3200.2
14°	3097.3
15°	2970.7
16°	2809.2
17°	2625.3
18°	2404.3
19°	2171.0
20°	1916.3
21°	1661.5
22°	1410.5
23°	1160.6
24°	915.0
25°	692.4
26°	512.7
27°	375.4
28°	282.1
29°	219.4
30°	177.0
31°	146.4
32°	122.3
32.5°	111.6
33°	100.8
34°	82.1
35°	65.4
36°	51.5
37°	40.8
37.5°	36.5
38°	32.2
39°	26.8
40°	22.0
42.5°	14.5
45°	9.7



TEST NUMBER: P1272348

CATALOG NUMBER: P3AS17R409827DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.9
50°	2.7
52.5°	1.1
55°	1.1
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
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)