

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: P1249685

Luminaire Tested: P3AS17R409027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249685
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: P3AS17R409027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

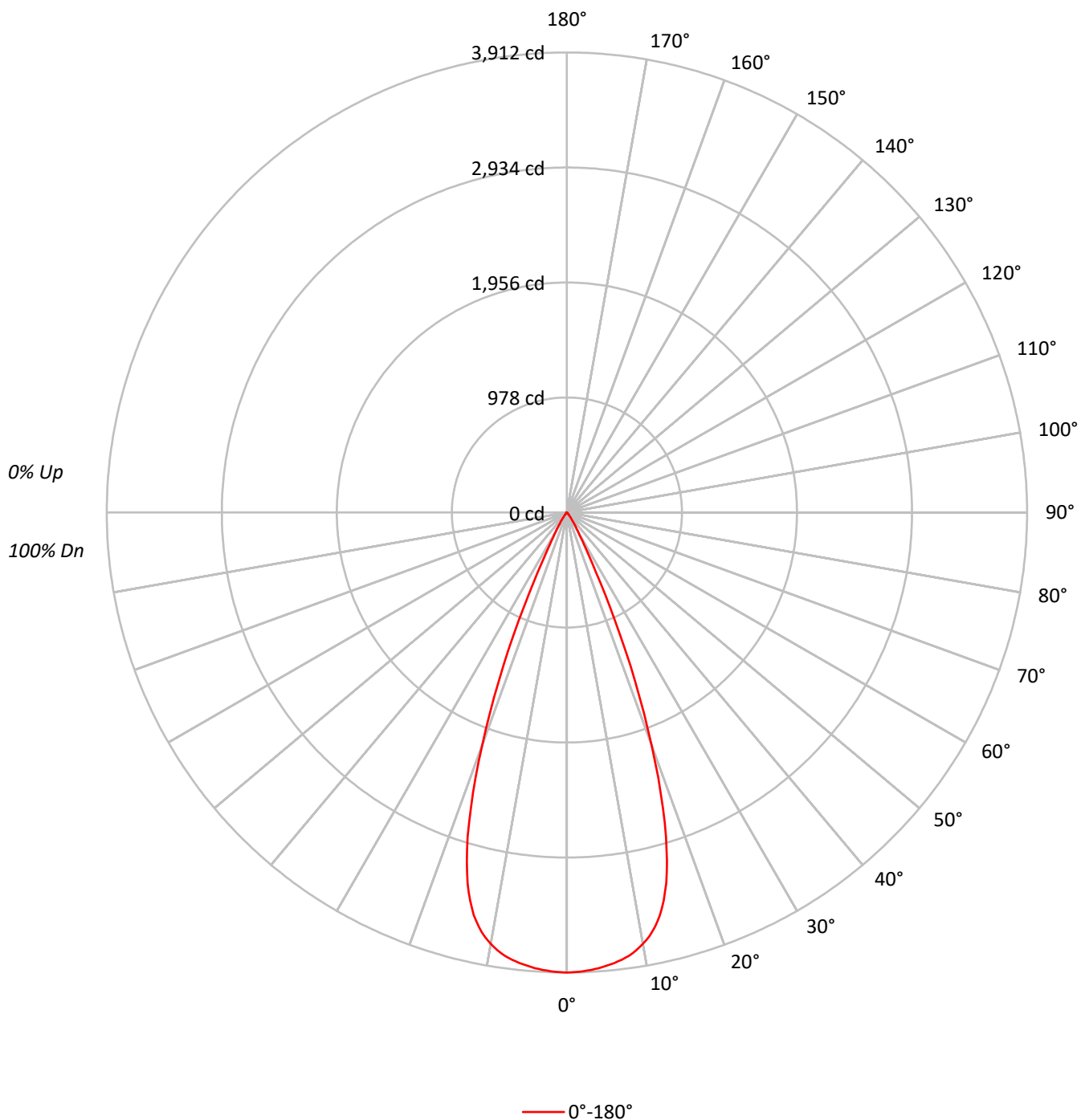
Lumens per Lamp: N/A
Luminaire Lumens: 1683.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1249685

CATALOG NUMBER: P3AS17R409027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1249685

CATALOG NUMBER: P3AS17R409027DE010 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	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°	857870
5°	851682
10°	829377
15°	740867
20°	491233
25°	184027
30°	49223
35°	19247
40°	6927
45°	3287
50°	989
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3287 cd/sqm

TEST NUMBER: P1249685

CATALOG NUMBER: P3AS17R409027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.1	21.7
10°-20°	864.7	51.4
20°-30°	392.1	23.3
30°-40°	50.8	3.0
40°-50°	8.8	0.5
50°-60°	1.0	0.1
60°-70°	0.4	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°	1622.0	96.4
0°-40°	1672.8	99.4
0°-60°	1682.7	100.0
0°-90°	1683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1683.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3912	
5°	3869	365
15°	3264	865
25°	761	392
35°	72	51
45°	11	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1249685

CATALOG NUMBER: P3AS17R409027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	3912.2
1°	3909.8
2°	3903.9
3°	3895.1
4°	3883.9
5°	3869.2
6°	3852.1
7°	3830.9
8°	3804.9
9°	3769.6
10°	3724.8
11°	3672.4
12°	3602.3
13°	3515.7
14°	3402.5
15°	3263.5
16°	3086.1
17°	2884.0
18°	2641.3
19°	2385.0
20°	2105.1
21°	1825.3
22°	1549.6
23°	1275.0
24°	1005.1
25°	760.6
26°	563.3
27°	412.4
28°	309.9
29°	241.0
30°	194.4
31°	160.8
32°	134.3
32.5°	122.5
33°	110.8
34°	90.1
35°	71.9
36°	56.6
37°	44.8
37.5°	40.1
38°	35.4
39°	29.5
40°	24.2
42.5°	15.9
45°	10.6



TEST NUMBER: P1249685

CATALOG NUMBER: P3AS17R409027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.5
50°	2.9
52.5°	1.2
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
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)