

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: P1248985

Luminaire Tested: P3AS09R559027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248985
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: P3AS09R559027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

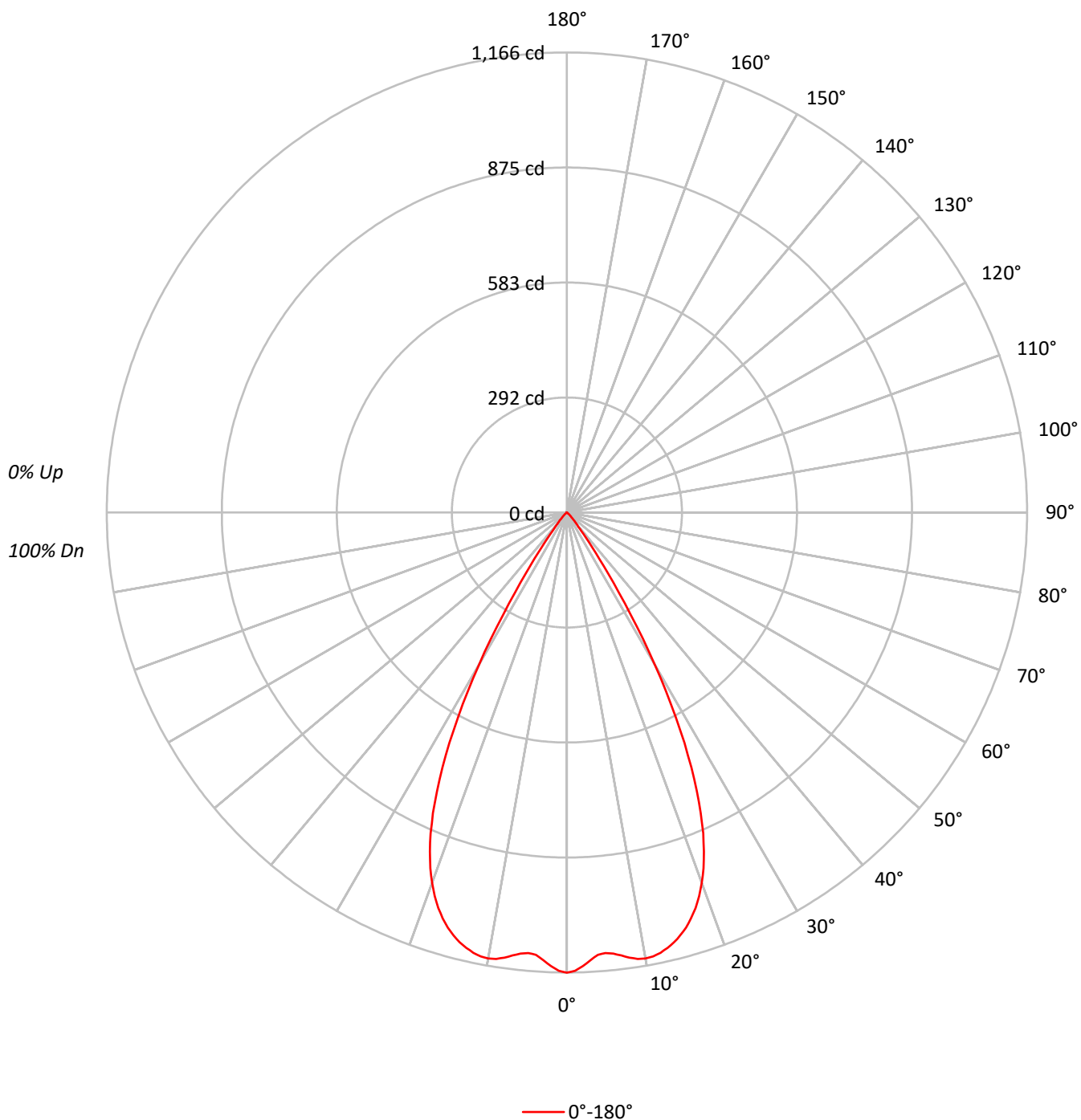
Lumens per Lamp: N/A
Luminaire Lumens: 881.9 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1248985

CATALOG NUMBER: P3AS09R559027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1248985

CATALOG NUMBER: P3AS09R559027DE010 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	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°	255769
5°	246709
10°	255529
15°	251942
20°	233167
25°	188575
30°	113005
35°	38307
40°	10563
45°	4683
50°	1365
55°	268
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4683 cd/sqm

TEST NUMBER: P1248985

CATALOG NUMBER: P3AS09R559027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	12.3
10°-20°	309.0	35.0
20°-30°	343.4	38.9
30°-40°	106.9	12.1
40°-50°	12.8	1.5
50°-60°	1.0	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°	760.9	86.3
0°-40°	867.8	98.4
0°-60°	881.6	100.0
0°-90°	881.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1166	
5°	1121	108
15°	1110	309
25°	779	343
35°	143	107
45°	15	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1248985

CATALOG NUMBER: P3AS09R559027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1166.4
1°	1162.0
2°	1150.7
3°	1136.6
4°	1123.8
5°	1120.8
6°	1124.2
7°	1131.2
8°	1139.3
9°	1145.6
10°	1147.6
11°	1146.3
12°	1140.9
13°	1132.6
14°	1122.8
15°	1109.8
16°	1094.7
17°	1075.6
18°	1054.2
19°	1028.4
20°	999.2
21°	966.0
22°	926.8
23°	883.6
24°	834.0
25°	779.4
26°	719.4
27°	655.7
28°	587.7
29°	517.7
30°	446.3
31°	374.6
32°	304.6
32.5°	273.4
33°	241.3
34°	186.6
35°	143.1
36°	108.9
37°	80.8
37.5°	69.0
38°	60.0
39°	45.6
40°	36.9
42.5°	23.5
45°	15.1

TEST NUMBER: P1248985

CATALOG NUMBER: P3AS09R559027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.0
50°	4.0
52.5°	1.3
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)