

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: P1249392

Luminaire Tested: P3AS13R559027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249392
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: P3AS13R559027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

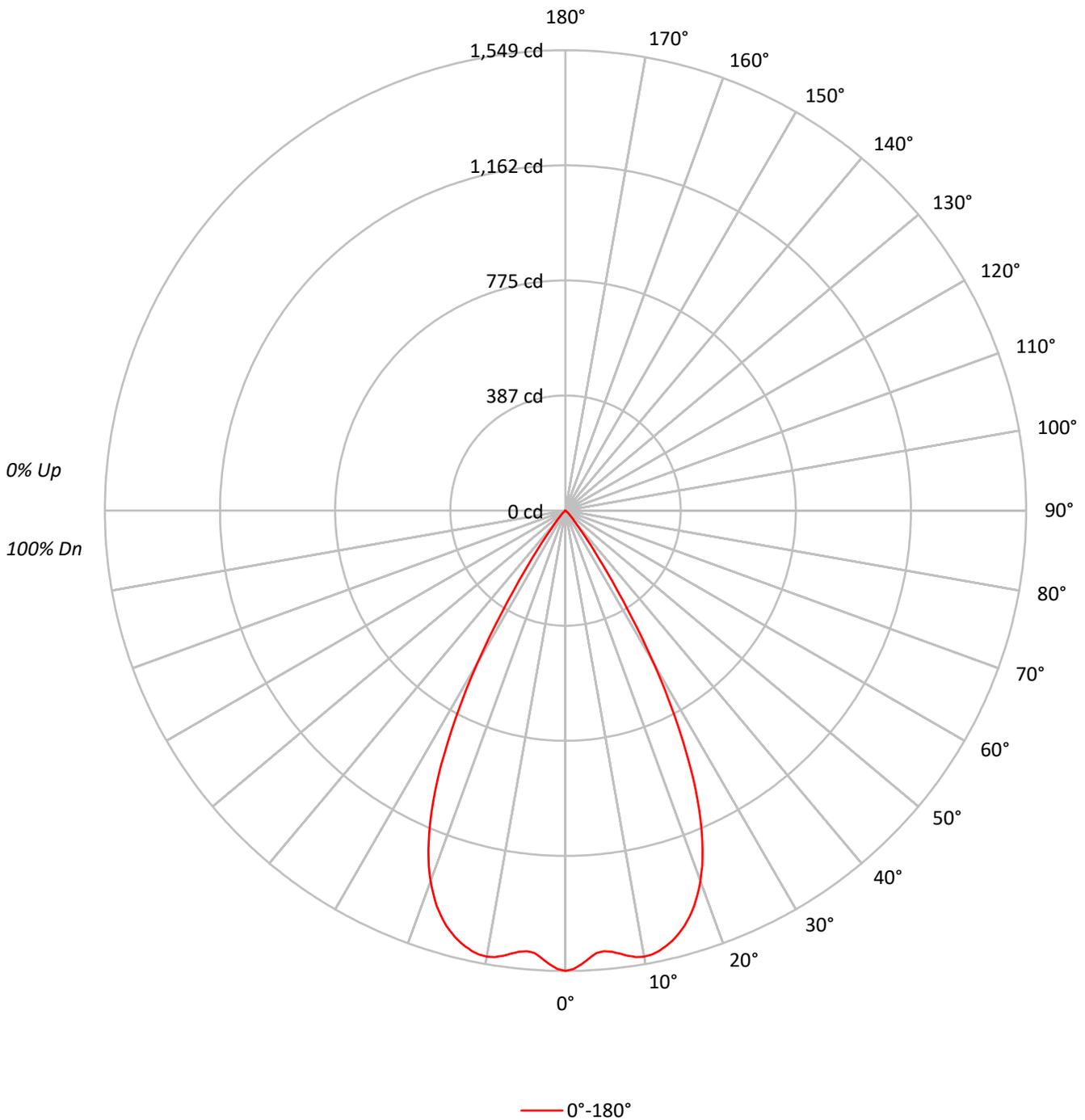
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1170.9 lumens
Efficiency: N/A
Efficacy: 80.2 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): 14.6
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: P1249392
CATALOG NUMBER: P3AS13R559027DE010 E3D1LI

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79	79	79	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75	75	75	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71	71	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339578
5°	327558
10°	339272
15°	334485
20°	309567
25°	250369
30°	150048
35°	50862
40°	13998
45°	6202
50°	1808
55°	344
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6202 cd/sqm



TEST NUMBER: P1249392

CATALOG NUMBER: P3AS13R559027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	12.3
10°-20°	410.2	35.0
20°-30°	456.0	38.9
30°-40°	142.0	12.1
40°-50°	17.0	1.5
50°-60°	1.3	0.1
60°-70°	0.4	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°	1010.2	86.3
0°-40°	1152.1	98.4
0°-60°	1170.5	100.0
0°-90°	1170.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1549	
5°	1488	144
15°	1473	410
25°	1035	456
35°	190	142
45°	20	17
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1249392

CATALOG NUMBER: P3AS13R559027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1548.6
1°	1542.8
2°	1527.7
3°	1509.0
4°	1492.1
5°	1488.1
6°	1492.5
7°	1501.9
8°	1512.6
9°	1521.0
10°	1523.7
11°	1521.9
12°	1514.8
13°	1503.7
14°	1490.8
15°	1473.4
16°	1453.4
17°	1428.0
18°	1399.6
19°	1365.3
20°	1326.6
21°	1282.6
22°	1230.5
23°	1173.1
24°	1107.3
25°	1034.8
26°	955.1
27°	870.6
28°	780.3
29°	687.3
30°	592.6
31°	497.4
32°	404.4
32.5°	363.0
33°	320.3
34°	247.8
35°	190.0
36°	144.6
37°	107.2
37.5°	91.6
38°	79.6
39°	60.5
40°	48.9
42.5°	31.1
45°	20.0



TEST NUMBER: P1249392
CATALOG NUMBER: P3AS13R559027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	12.0
50°	5.3
52.5°	1.8
55°	0.9
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)