

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: P1248324

Luminaire Tested: P3AS05R109027DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R109027DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

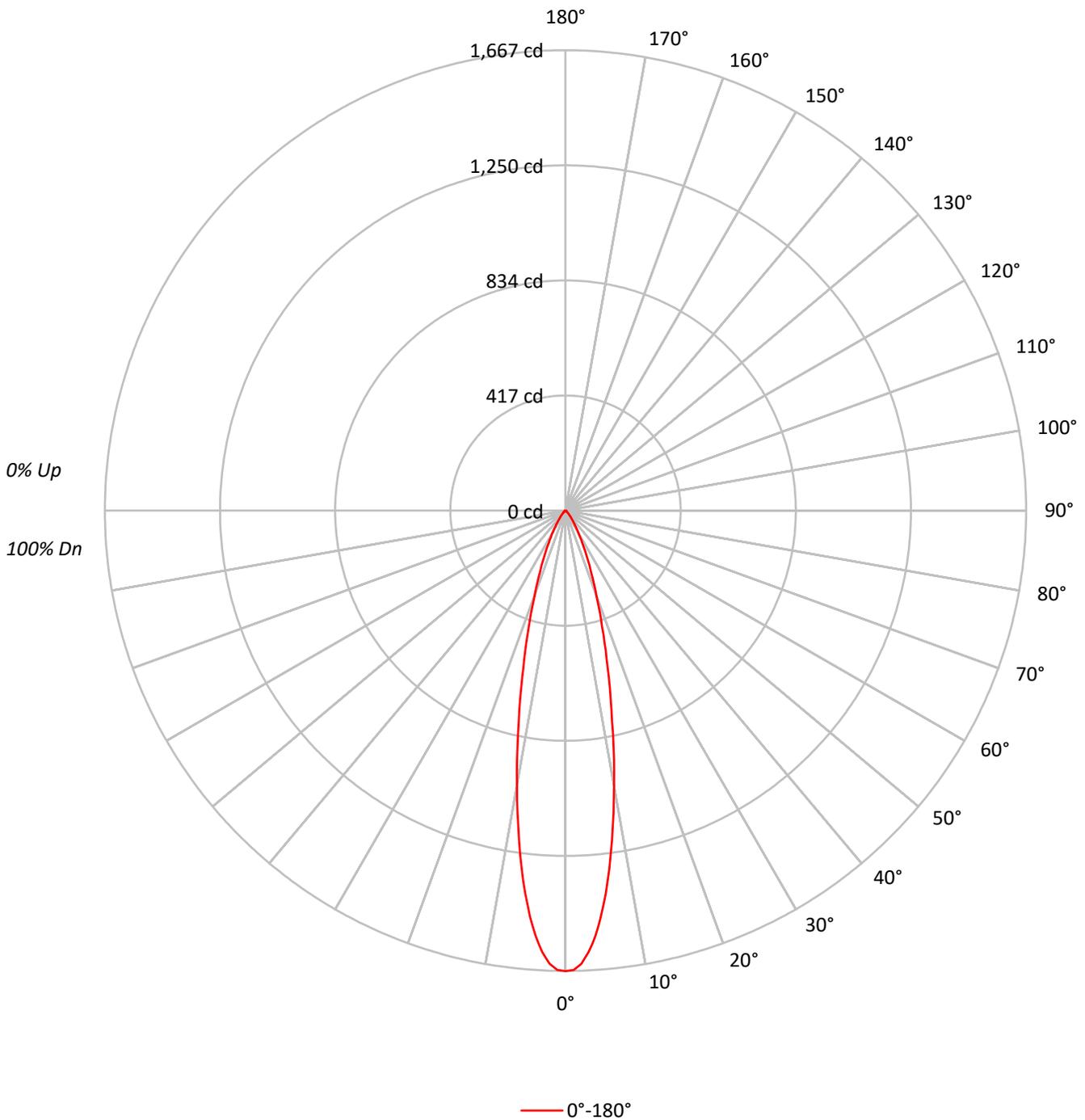
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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: P1248324
CATALOG NUMBER: P3AS05R109027DE010 E3DL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1248324
 CATALOG NUMBER: P3AS05R109027DE010 E3DL1LI

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	93	96	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	88	92	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	85	89	83
5	98	92	87	84	97	91	87	83	89	86	83	88	84	82	86	83	81	81	86	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	78	83	77
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	75	81	74
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	73	78	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	70	76	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	68	74	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365629
5°	324542
10°	225380
15°	133281
20°	75910
25°	43406
30°	24004
35°	12796
40°	7070
45°	3845
50°	2388
55°	1873
60°	1623
65°	1505
70°	1346
75°	1356
80°	1010
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3845 cd/sqm



TEST NUMBER: P1248324
 CATALOG NUMBER: P3AS05R109027DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	29.3
10°-20°	165.5	38.7
20°-30°	85.2	19.9
30°-40°	32.0	7.5
40°-50°	10.5	2.4
50°-60°	4.5	1.0
60°-70°	2.9	0.7
70°-80°	1.7	0.4
80°-90°	0.4	0.1
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°	376.1	87.9
0°-40°	408.0	95.3
0°-60°	423.0	98.8
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1667	
5°	1474	125
15°	587	165
25°	179	85
35°	48	32
45°	12	10
55°	5	4
65°	3	3
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1248324
CATALOG NUMBER: P3AS05R109027DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1667.4
1°	1664.1
2°	1642.2
3°	1600.6
4°	1545.7
5°	1474.4
6°	1393.6
7°	1305.0
8°	1206.4
9°	1109.1
10°	1012.2
12.5°	778.9
15°	587.1
17.5°	439.5
20°	325.3
22.5°	242.9
25°	179.4
27.5°	130.7
30°	94.8
32.5°	67.2
35°	47.8
37.5°	34.2
40°	24.7
42.5°	17.7
45°	12.4
47.5°	9.1
50°	7.0
52.5°	5.8
55°	4.9
57.5°	4.1
60°	3.7
62.5°	3.3
65°	2.9
67.5°	2.5
70°	2.1
72.5°	2.1
75°	1.6
77.5°	1.2
80°	0.8
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)