

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: P1248915

Luminaire Tested: P3AS09R409027DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R409027DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

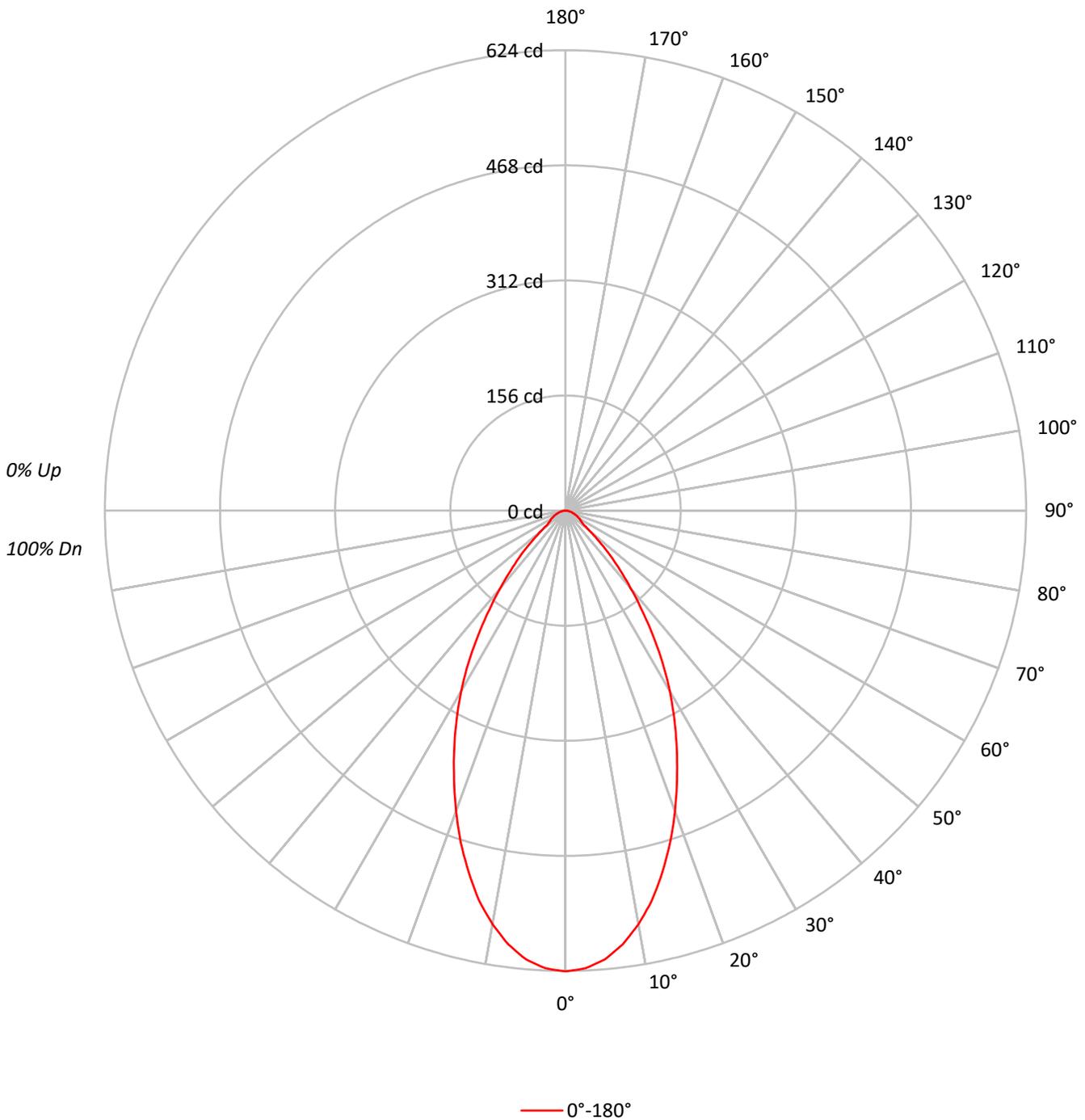
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 610.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
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: P1248915
CATALOG NUMBER: P3AS09R409027DE010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1248915
 CATALOG NUMBER: P3AS09R409027DE010 E3DLD1MW

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
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69			69
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55			55
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51			51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48			48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136941
5°	134448
10°	126740
15°	115120
20°	101135
25°	86352
30°	71530
35°	55171
40°	39274
45°	26452
50°	14430
55°	10169
60°	9561
65°	8873
70°	7886
75°	7540
80°	6061
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26452 cd/sqm



TEST NUMBER: P1248915
 CATALOG NUMBER: P3AS09R409027DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	9.3
10°-20°	141.3	23.2
20°-30°	163.3	26.8
30°-40°	128.7	21.1
40°-50°	66.1	10.8
50°-60°	25.2	4.1
60°-70°	16.7	2.7
70°-80°	9.1	1.5
80°-90°	2.7	0.4
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°	361.5	59.3
0°-40°	490.2	80.4
0°-60°	581.5	95.3
0°-90°	610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	610.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	624	
5°	611	57
15°	507	141
25°	357	163
35°	206	129
45°	85	66
55°	27	25
65°	17	17
75°	9	9
85°	2	3
90°	0	



TEST NUMBER: P1248915
CATALOG NUMBER: P3AS09R409027DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	624.5
2.5°	621.0
5°	610.8
7.5°	593.1
10°	569.2
12.5°	541.2
15°	507.1
17.5°	471.6
20°	433.4
22.5°	394.5
25°	356.9
27.5°	319.4
30°	282.5
32.5°	245.0
35°	206.1
37.5°	169.9
40°	137.2
42.5°	109.2
45°	85.3
47.5°	62.1
50°	42.3
52.5°	30.7
55°	26.6
57.5°	23.9
60°	21.8
62.5°	19.1
65°	17.1
67.5°	14.3
70°	12.3
72.5°	10.2
75°	8.9
77.5°	6.8
80°	4.8
82.5°	4.1
85°	2.0
87.5°	1.4
90°	0.0

(END OF REPORT)