

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: P1246546

Luminaire Tested: P3A09R409024DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246546
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: P3A09R409024DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

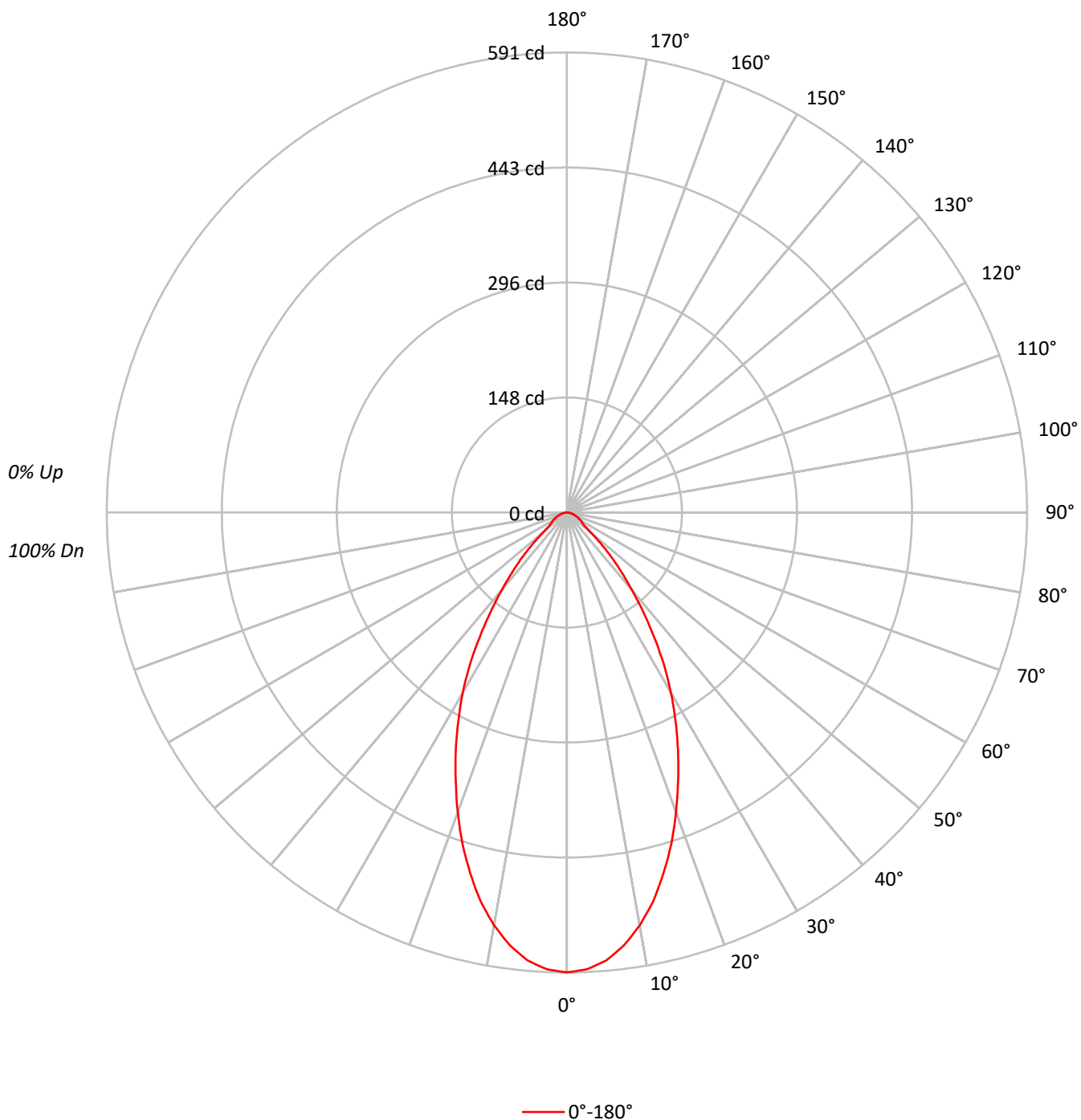
Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246546

CATALOG NUMBER: P3A09R409024DE010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1246546

CATALOG NUMBER: P3A09R409024DE010 E3DLD1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129529
5°	127184
10°	119882
15°	108877
20°	95652
25°	81682
30°	67681
35°	52200
40°	37155
45°	25026
50°	13646
55°	9634
60°	9078
65°	8354
70°	7437
75°	7117
80°	5683
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25026 cd/sqm

TEST NUMBER: P1246546

CATALOG NUMBER: P3A09R409024DE010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	9.3
10°-20°	133.6	23.2
20°-30°	154.5	26.8
30°-40°	121.7	21.1
40°-50°	62.5	10.8
50°-60°	23.9	4.1
60°-70°	15.8	2.7
70°-80°	8.6	1.5
80°-90°	2.5	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°	341.9	59.3
0°-40°	463.7	80.4
0°-60°	550.1	95.3
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	578	54
15°	480	134
25°	338	154
35°	195	122
45°	81	62
55°	25	24
65°	16	16
75°	8	9
85°	2	3
90°	0	

TEST NUMBER: P1246546

CATALOG NUMBER: P3A09R409024DE010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	590.7
2.5°	587.5
5°	577.8
7.5°	561.0
10°	538.4
12.5°	511.9
15°	479.6
17.5°	446.1
20°	409.9
22.5°	373.1
25°	337.6
27.5°	302.1
30°	267.3
32.5°	231.8
35°	195.0
37.5°	160.7
40°	129.8
42.5°	103.3
45°	80.7
47.5°	58.7
50°	40.0
52.5°	29.0
55°	25.2
57.5°	22.6
60°	20.7
62.5°	18.1
65°	16.1
67.5°	13.6
70°	11.6
72.5°	9.7
75°	8.4
77.5°	6.5
80°	4.5
82.5°	3.9
85°	1.9
87.5°	1.3
90°	0.0

(END OF REPORT)