

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: P1246682

Luminaire Tested: P3A09R659024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R659024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

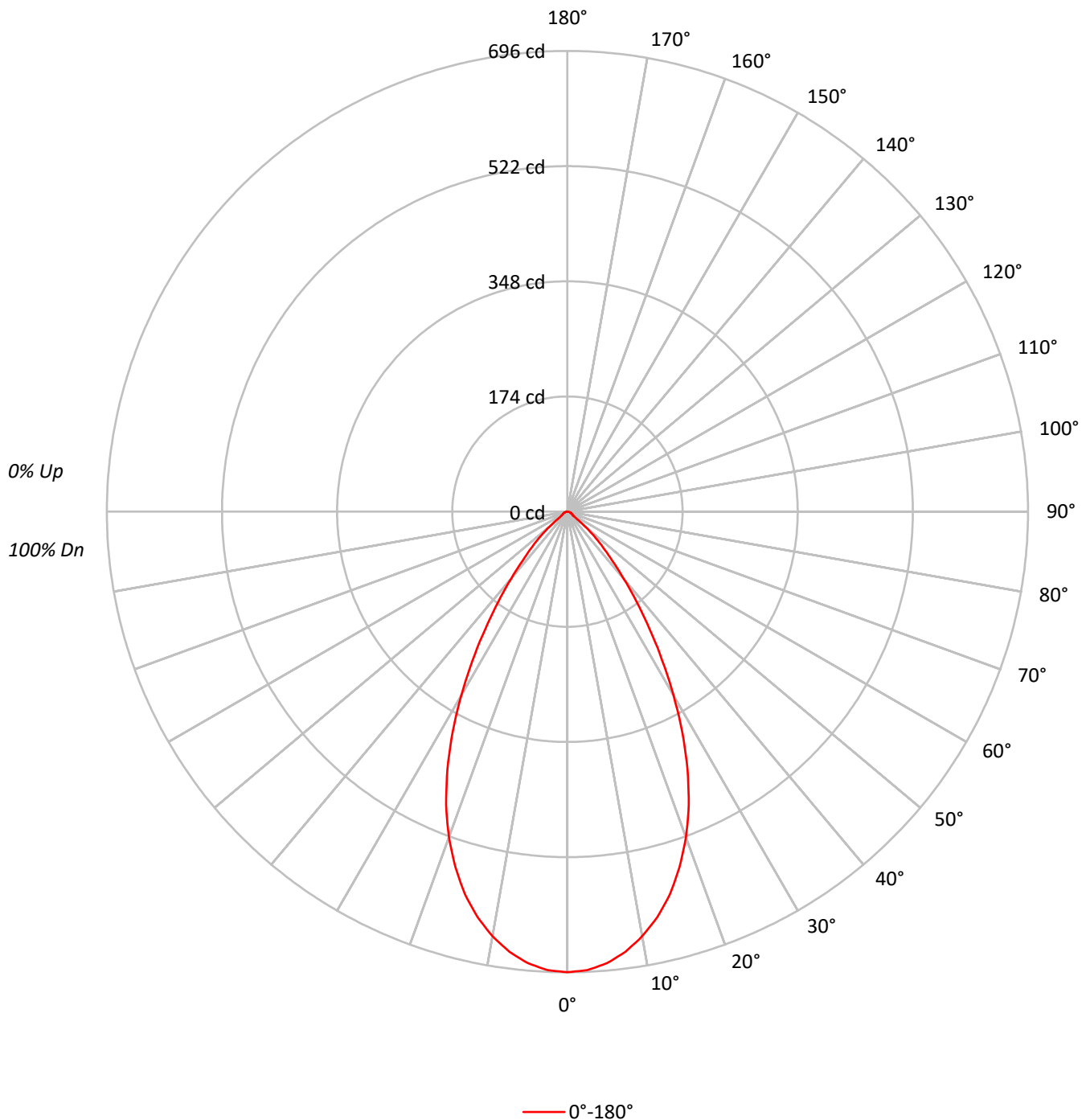
Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246682

CATALOG NUMBER: P3A09R659024DE010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246682

CATALOG NUMBER: P3A09R659024DE010 E3DL1MW

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	64	61		69	64	60		67
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		64
9	74	64	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	54	50	59	53	50		58	53	50		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152575
5°	150759
10°	145021
15°	135846
20°	122184
25°	103748
30°	81152
35°	57822
40°	37842
45°	23413
50°	11872
55°	4205
60°	3684
65°	3684
70°	3334
75°	3304
80°	3283
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23413 cd/sqm

TEST NUMBER: P1246682

CATALOG NUMBER: P3A09R659024DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	9.9
10°-20°	166.6	25.7
20°-30°	194.6	30.1
30°-40°	136.0	21.0
40°-50°	59.9	9.3
50°-60°	13.4	2.1
60°-70°	6.8	1.0
70°-80°	4.1	0.6
80°-90°	1.4	0.2
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°	425.5	65.8
0°-40°	561.5	86.8
0°-60°	634.8	98.1
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	696	
5°	685	64
15°	598	167
25°	429	195
35°	216	136
45°	76	60
55°	11	13
65°	7	7
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1246682

CATALOG NUMBER: P3A09R659024DE010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	695.8
2.5°	693.2
5°	684.9
7.5°	670.7
10°	651.3
12.5°	627.5
15°	598.4
17.5°	563.0
20°	523.6
22.5°	479.1
25°	428.8
27.5°	376.0
30°	320.5
32.5°	267.0
35°	216.0
37.5°	171.5
40°	132.2
42.5°	100.0
45°	75.5
47.5°	55.5
50°	34.8
52.5°	18.1
55°	11.0
57.5°	9.7
60°	8.4
62.5°	7.7
65°	7.1
67.5°	5.8
70°	5.2
72.5°	4.5
75°	3.9
77.5°	3.2
80°	2.6
82.5°	1.9
85°	1.3
87.5°	0.6
90°	0.0

(END OF REPORT)