

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: P1246397

Luminaire Tested: P3A09R159024DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R159024DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

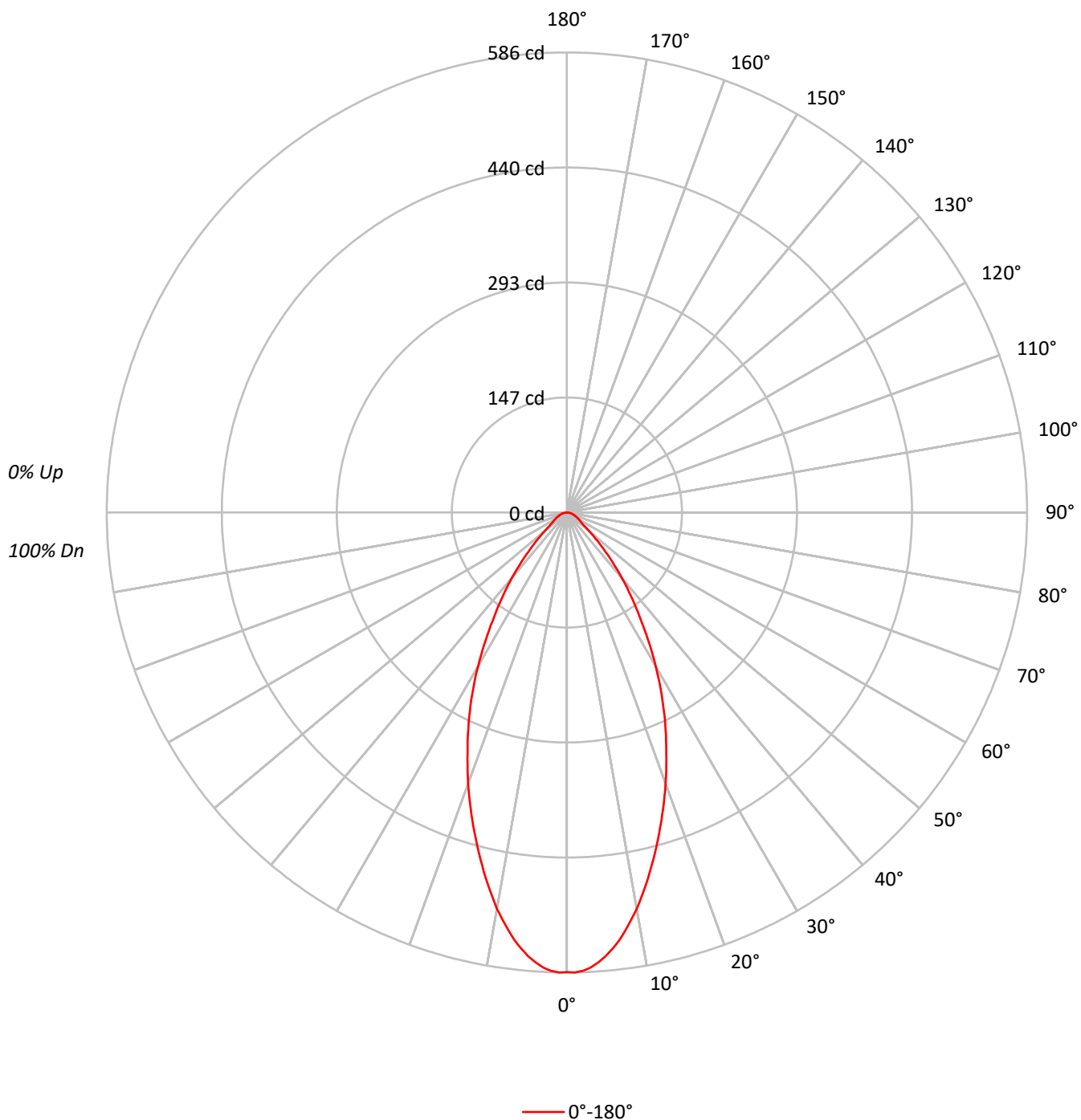
Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246397

CATALOG NUMBER: P3A09R159024DE010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246397

CATALOG NUMBER: P3A09R159024DE010 E3DLD1MW

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	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	73	68	87	79	73	68	77	72	67		75	71	67		74
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		69
7	80	69	63	58	78	69	63	58	67	62	58		66	61	57		65
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128389
5°	124895
10°	114137
15°	99978
20°	85757
25°	71617
30°	57300
35°	42991
40°	31201
45°	20405
50°	12759
55°	8640
60°	7631
65°	7005
70°	6604
75°	6015
80°	5683
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20405 cd/sqm

TEST NUMBER: P1246397

CATALOG NUMBER: P3A09R159024DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	10.3
10°-20°	122.7	24.1
20°-30°	135.2	26.6
30°-40°	101.3	19.9
40°-50°	52.5	10.3
50°-60°	21.8	4.3
60°-70°	13.5	2.6
70°-80°	7.6	1.5
80°-90°	2.2	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°	310.3	61.0
0°-40°	411.6	80.9
0°-60°	485.8	95.4
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	586	
5°	567	52
15°	440	123
25°	296	135
35°	161	101
45°	66	52
55°	23	22
65°	14	13
75°	7	8
85°	2	2
90°	0	

TEST NUMBER: P1246397

CATALOG NUMBER: P3A09R159024DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	585.5
1°	586.1
2°	584.2
3°	580.3
4°	574.5
5°	567.4
6°	558.4
7°	548.7
8°	537.1
9°	524.9
10°	512.6
12.5°	477.2
15°	440.4
17.5°	403.7
20°	367.5
22.5°	330.8
25°	296.0
27.5°	261.2
30°	226.3
32.5°	192.2
35°	160.6
37.5°	133.5
40°	109.0
42.5°	86.4
45°	65.8
47.5°	49.7
50°	37.4
52.5°	27.7
55°	22.6
57.5°	20.0
60°	17.4
62.5°	15.5
65°	13.5
67.5°	11.6
70°	10.3
72.5°	8.4
75°	7.1
77.5°	5.8
80°	4.5
82.5°	3.2
85°	1.9
87.5°	0.6
90°	0.0

(END OF REPORT)