

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: P1272986

Luminaire Tested: P3A02R309830DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309830DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

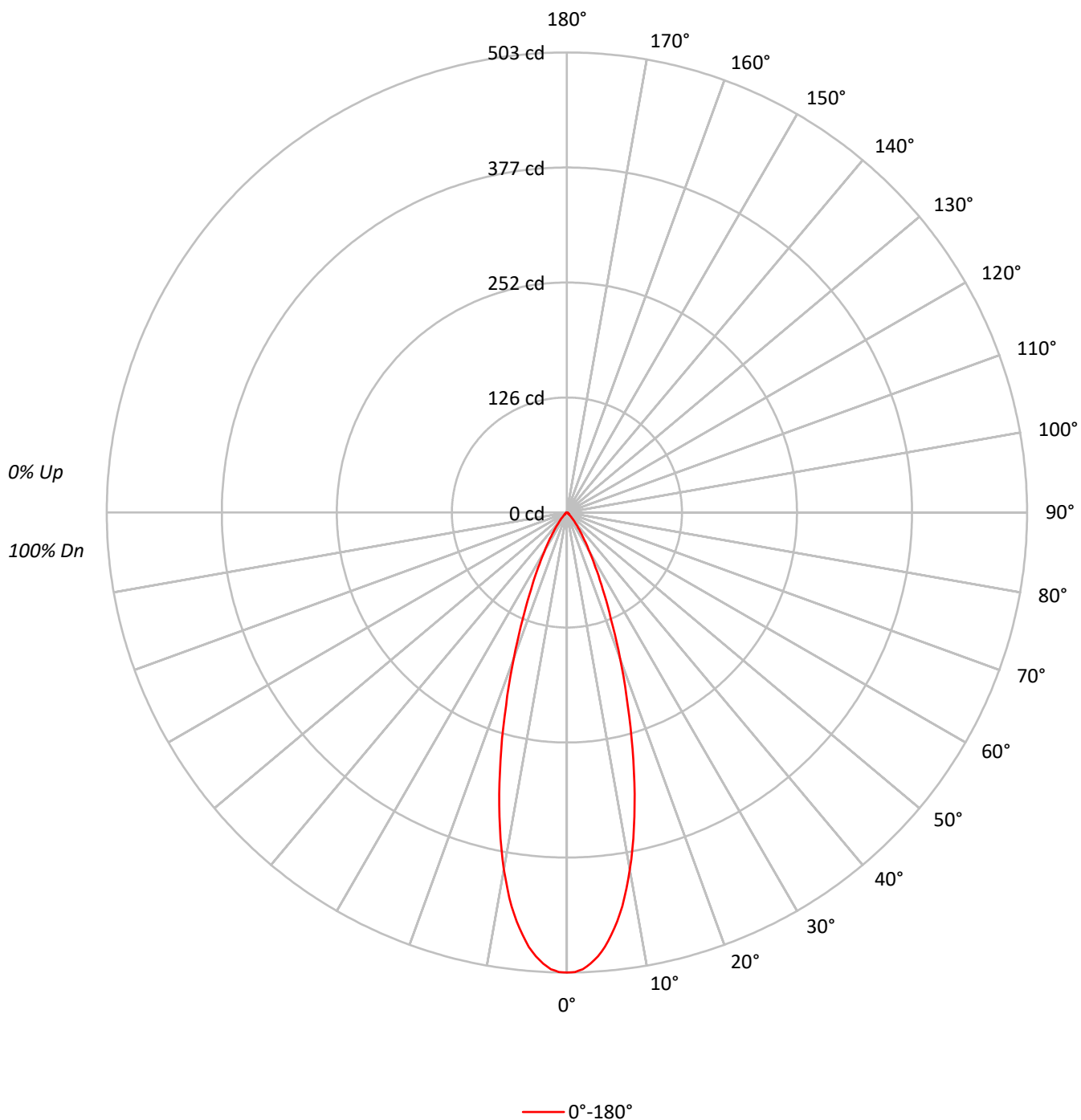
Lumens per Lamp: N/A
Luminaire Lumens: 189.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1272986

CATALOG NUMBER: P3A02R309830DE010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272986

CATALOG NUMBER: P3A02R309830DE010 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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85
6	94	86	81	78	92	85	81	77	84	80	77		83	79	76		81
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110298
5°	104974
10°	88286
15°	63678
20°	39507
25°	22453
30°	12483
35°	6799
40°	3578
45°	1923
50°	1023
55°	688
60°	614
65°	623
70°	577
75°	424
80°	505
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1923 cd/sqm

TEST NUMBER: P1272986

CATALOG NUMBER: P3A02R309830DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	22.7
10°-20°	76.3	40.4
20°-30°	44.1	23.3
30°-40°	16.8	8.9
40°-50°	5.1	2.7
50°-60°	1.7	0.9
60°-70°	1.2	0.6
70°-80°	0.6	0.3
80°-90°	0.2	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°	163.4	86.5
0°-40°	180.1	95.3
0°-60°	187.0	98.9
0°-90°	189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	503	
5°	477	43
15°	280	76
25°	93	44
35°	25	17
45°	6	5
55°	2	2
65°	1	1
75°	0	1
85°	0	0
90°	0	

TEST NUMBER: P1272986

CATALOG NUMBER: P3A02R309830DE010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	503.0
1°	502.6
2°	499.6
3°	493.8
4°	486.7
5°	476.9
6°	464.4
7°	450.5
8°	434.9
9°	416.4
10°	396.5
11°	375.1
12°	352.4
13°	328.7
14°	304.6
15°	280.5
17.5°	221.2
20°	169.3
22.5°	125.5
25°	92.8
27.5°	67.5
30°	49.3
32.5°	35.5
35°	25.4
37.5°	17.7
40°	12.5
42.5°	8.7
45°	6.2
47.5°	4.3
50°	3.0
52.5°	2.1
55°	1.8
57.5°	1.6
60°	1.4
62.5°	1.2
65°	1.2
67.5°	1.1
70°	0.9
72.5°	0.7
75°	0.5
77.5°	0.5
80°	0.4
82.5°	0.4
85°	0.2
87.5°	0.0



TEST NUMBER: P1272986

CATALOG NUMBER: P3A02R309830DE010 E3DL1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)