

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: P1266322

Luminaire Tested: P3A02R459735DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R459735DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

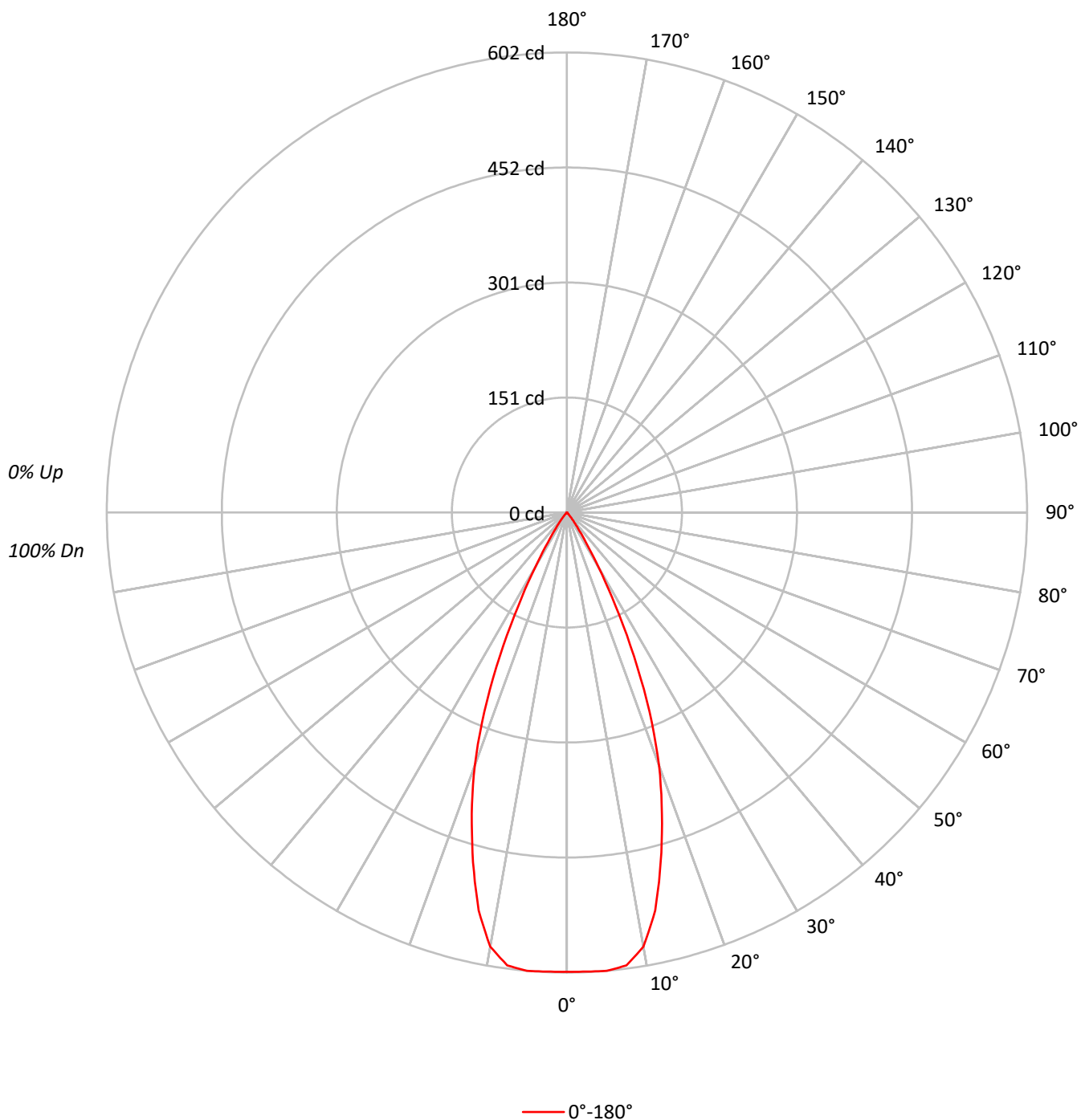
Lumens per Lamp: N/A
Luminaire Lumens: 304.1 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	87	82	78	93	86	81	78	85	80	77		83	80	77		82
7	90	83	78	74	89	82	78	74	81	77	74		80	76	74		79
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		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°	131810
5°	132511
10°	128432
15°	107628
20°	82280
25°	50084
30°	20839
35°	6666
40°	2090
45°	434
50°	307
55°	344
60°	307
65°	363
70°	321
75°	424
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	18.7
10°-20°	130.3	42.9
20°-30°	93.8	30.9
30°-40°	19.5	6.4
40°-50°	1.8	0.6
50°-60°	0.7	0.2
60°-70°	0.6	0.2
70°-80°	0.4	0.1
80°-90°	0.1	0.0
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°	280.9	92.4
0°-40°	300.4	98.8
0°-60°	303.0	99.6
0°-90°	304.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	304.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	601	
5°	602	57
15°	474	130
25°	207	94
35°	25	20
45°	1	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	601.1
2.5°	601.3
5°	602.0
7.5°	597.7
10°	576.8
12.5°	533.3
15°	474.1
17.5°	413.6
20°	352.6
22.5°	282.5
25°	207.0
27.5°	136.5
30°	82.3
32.5°	46.0
35°	24.9
37.5°	14.1
40°	7.3
42.5°	3.2
45°	1.4
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)