

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: P1265309

Luminaire Tested: P3A17R159730DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R159730DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

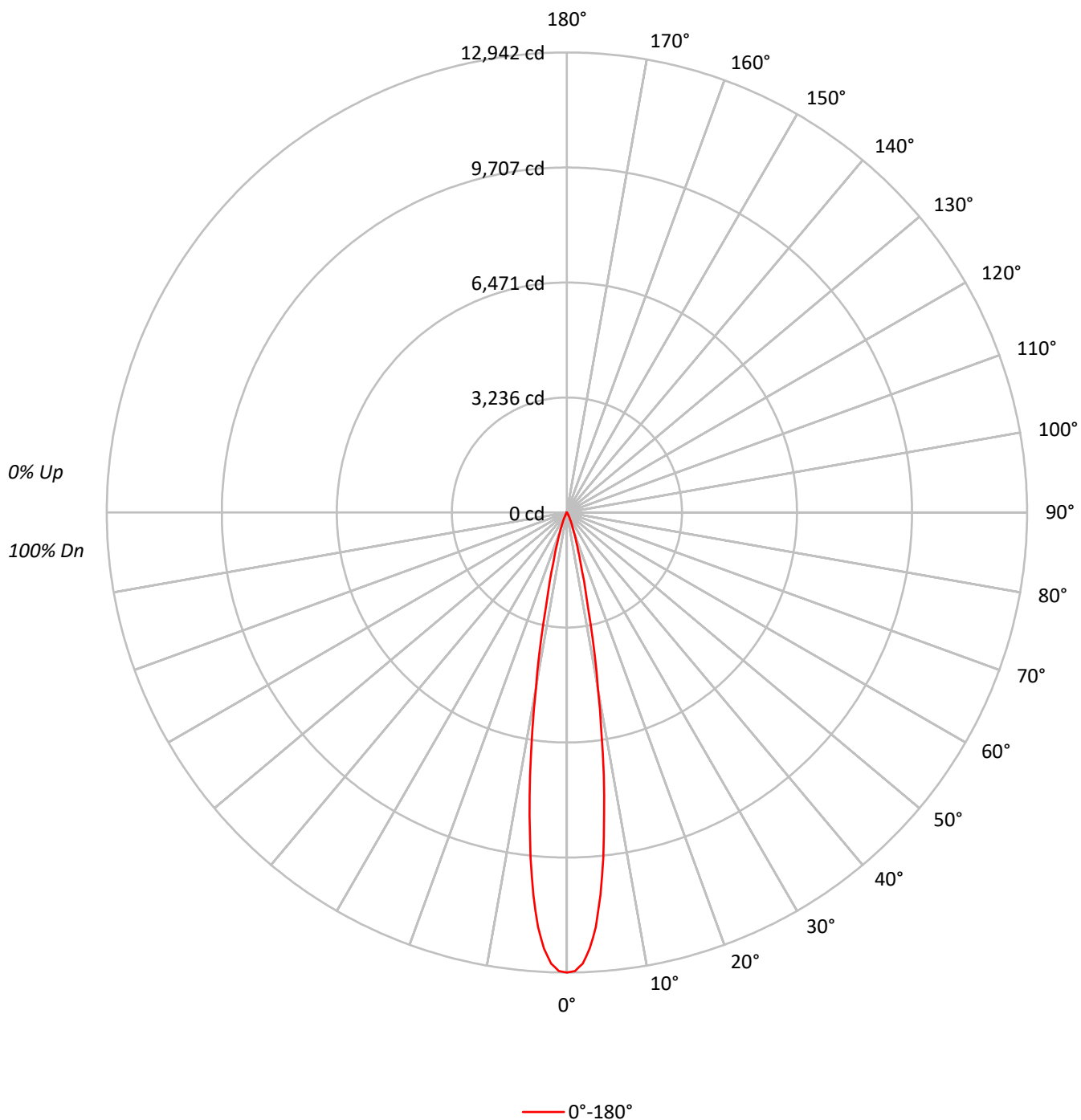
Lumens per Lamp: N/A
Luminaire Lumens: 1460.1 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91
9	97	92	89	87	97	92	89	86	91	88	86		90	88	86		90
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2837887
5°	2378422
10°	1120331
15°	337777
20°	124984
25°	48583
30°	18129
35°	5568
40°	1975
45°	1085
50°	785
55°	879
60°	1009
65°	623
70°	769
75°	1017
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.3	57.2
10°-20°	496.6	34.0
20°-30°	104.3	7.1
30°-40°	16.8	1.2
40°-50°	2.9	0.2
50°-60°	2.1	0.1
60°-70°	1.3	0.1
70°-80°	0.8	0.1
80°-90°	0.0	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°	1436.2	98.4
0°-40°	1453.0	99.5
0°-60°	1457.9	99.9
0°-90°	1460.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1460.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12942	
5°	10805	835
15°	1488	497
25°	201	104
35°	21	17
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12941.8
1°	12901.4
2°	12696.0
3°	12285.0
4°	11682.5
5°	10805.2
6°	9774.5
7°	8595.9
8°	7470.5
9°	6196.2
10°	5031.5
12.5°	2714.9
15°	1487.9
17.5°	871.5
20°	535.6
22.5°	327.8
25°	200.8
27.5°	121.2
30°	71.6
32.5°	40.4
35°	20.8
37.5°	11.5
40°	6.9
42.5°	4.6
45°	3.5
47.5°	2.3
50°	2.3
52.5°	2.3
55°	2.3
57.5°	2.3
60°	2.3
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)