

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: P1270099

Luminaire Tested: P3A17R209740DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R209740DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

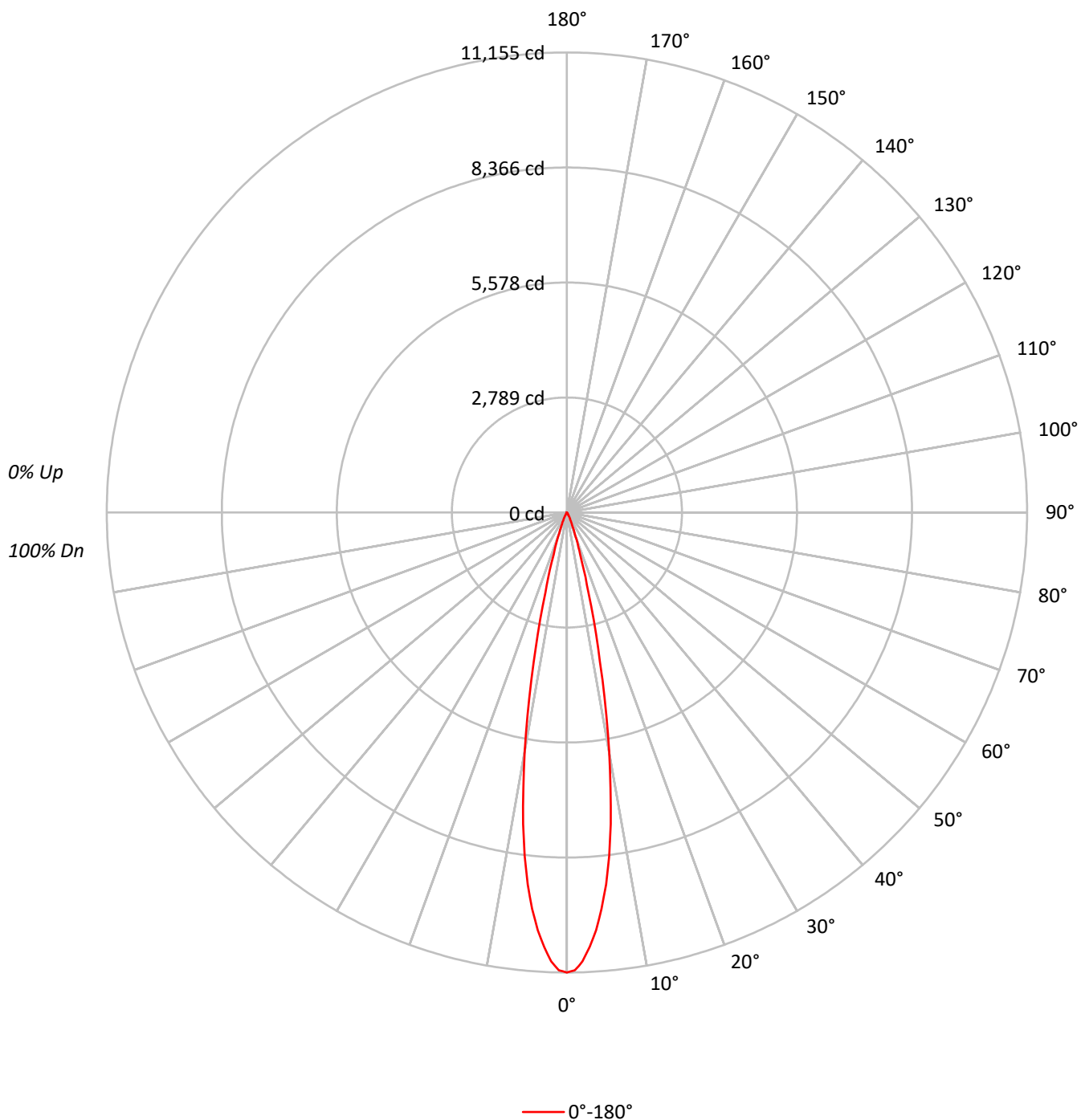
Lumens per Lamp: N/A
Luminaire Lumens: 1574.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	110	113	112	110	109	108	106	105		104	103	102		101
2	112	109	107	104	110	108	105	103	104	103	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97
4	107	102	99	96	105	101	98	96	99	97	95		97	95	93		96
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2446164
5°	2123173
10°	1311888
15°	455667
20°	139942
25°	49479
30°	18307
35°	7335
40°	3922
45°	1551
50°	853
55°	956
60°	1096
65°	623
70°	769
75°	1017
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.5	50.8
10°-20°	635.2	40.3
20°-30°	110.0	7.0
30°-40°	20.0	1.3
40°-50°	4.6	0.3
50°-60°	2.2	0.1
60°-70°	1.3	0.1
70°-80°	1.1	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°	1545.7	98.1
0°-40°	1565.7	99.4
0°-60°	1572.5	99.8
0°-90°	1574.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1574.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11155	
5°	9646	801
15°	2007	635
25°	204	110
35°	27	20
45°	5	5
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11155.4
1°	11101.8
2°	10889.8
3°	10549.5
4°	10150.5
5°	9645.6
6°	9067.2
7°	8393.9
8°	7627.2
9°	6765.8
10°	5891.8
12.5°	3716.4
15°	2007.2
17.5°	1072.2
20°	599.7
22.5°	342.8
25°	204.5
27.5°	124.7
30°	72.3
32.5°	42.4
35°	27.4
37.5°	18.7
40°	13.7
42.5°	8.7
45°	5.0
47.5°	2.5
50°	2.5
52.5°	2.5
55°	2.5
57.5°	2.5
60°	2.5
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)