

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: P1272401

Luminaire Tested: P3AS17R509827DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509827DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

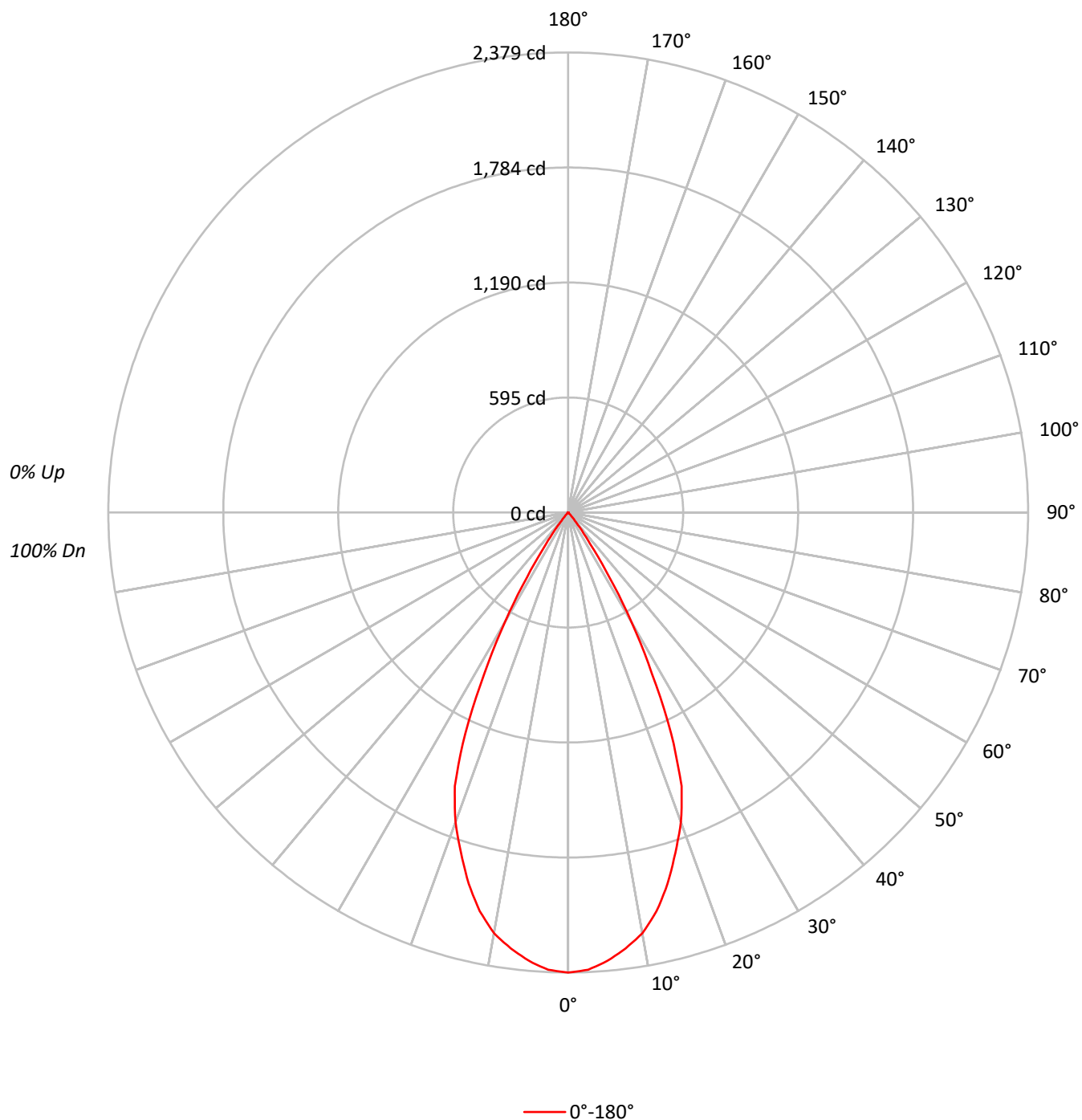
Lumens per Lamp: N/A
Luminaire Lumens: 1498.1 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	109	107	112	109	107	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	521713
5°	512369
10°	491975
15°	451126
20°	397798
25°	304905
30°	165772
35°	53351
40°	12538
45°	1706
50°	1501
55°	1682
60°	1447
65°	1712
70°	1410
75°	1864
80°	1389
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 2768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.4	14.6
10°-20°	552.4	36.9
20°-30°	553.2	36.9
30°-40°	155.6	10.4
40°-50°	9.4	0.6
50°-60°	3.6	0.2
60°-70°	2.9	0.2
70°-80°	1.9	0.1
80°-90°	0.7	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°	1324.0	88.4
0°-40°	1479.6	98.8
0°-60°	1492.6	99.6
0°-90°	1498.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2379	
5°	2328	218
15°	1987	552
25°	1260	553
35°	199	156
45°	6	9
55°	4	4
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2379.2
2.5°	2367.1
5°	2327.7
7.5°	2274.1
10°	2209.5
12.5°	2112.0
15°	1987.2
17.5°	1843.8
20°	1704.7
22.5°	1531.7
25°	1260.2
27.5°	938.3
30°	654.7
32.5°	395.3
35°	199.3
37.5°	94.2
40°	43.8
42.5°	16.4
45°	5.5
47.5°	4.4
50°	4.4
52.5°	4.4
55°	4.4
57.5°	3.3
60°	3.3
62.5°	3.3
65°	3.3
67.5°	2.2
70°	2.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)