

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: P1271711

Luminaire Tested: P3AS09R509827DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271711
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: P3AS09R509827DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

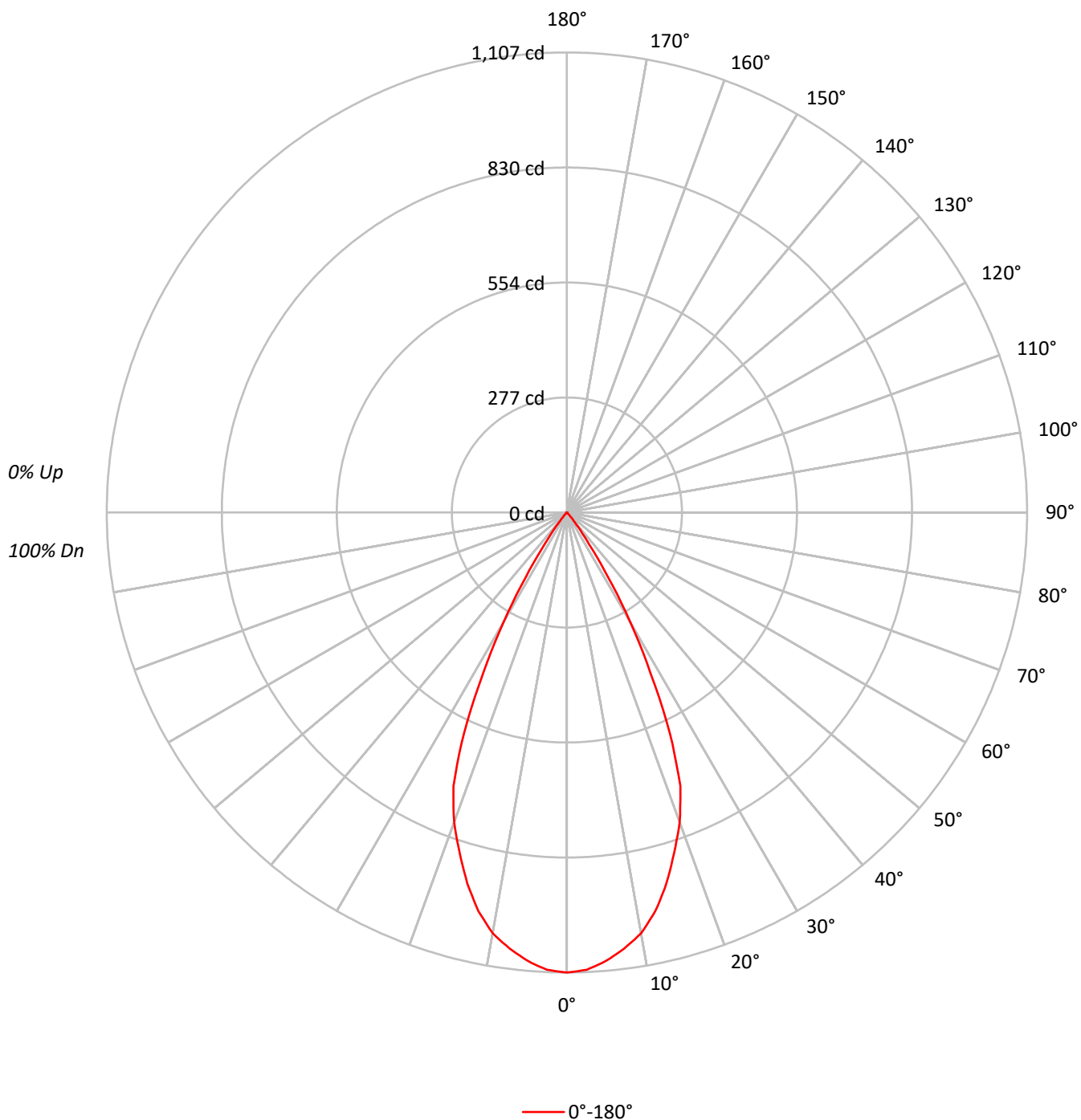
Lumens per Lamp: N/A
Luminaire Lumens: 696.9 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242744
5°	238410
10°	228898
15°	209899
20°	185096
25°	141879
30°	77126
35°	24815
40°	5840
45°	775
50°	682
55°	765
60°	658
65°	778
70°	641
75°	847
80°	631
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 1258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	14.6
10°-20°	257.0	36.9
20°-30°	257.4	36.9
30°-40°	72.4	10.4
40°-50°	4.3	0.6
50°-60°	1.6	0.2
60°-70°	1.3	0.2
70°-80°	0.9	0.1
80°-90°	0.3	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°	616.1	88.4
0°-40°	688.4	98.8
0°-60°	694.4	99.6
0°-90°	696.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1107	
5°	1083	102
15°	925	257
25°	586	257
35°	93	72
45°	2	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1107.0
2.5°	1101.4
5°	1083.1
7.5°	1058.1
10°	1028.0
12.5°	982.7
15°	924.6
17.5°	857.9
20°	793.2
22.5°	712.7
25°	586.4
27.5°	436.6
30°	304.6
32.5°	183.9
35°	92.7
37.5°	43.8
40°	20.4
42.5°	7.6
45°	2.5
47.5°	2.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)