

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: P1249737

Luminaire Tested: P3AS17R509027DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249737
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: P3AS17R509027DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

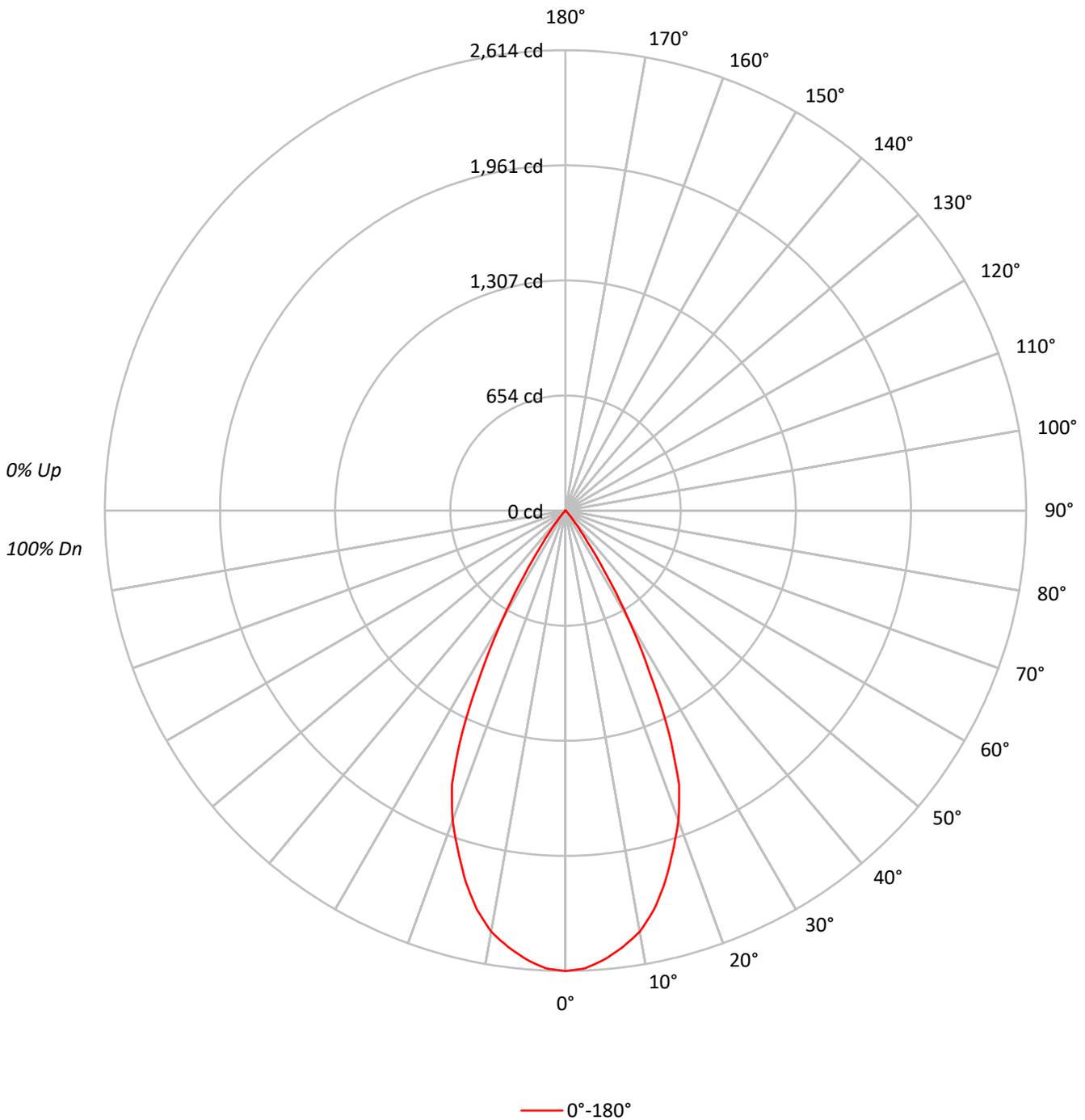
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1646.0 lumens
Efficiency: N/A
Efficacy: 77.6 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	97	95	
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85	
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	82	80	
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	77	76	
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72	
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69	
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65	
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	63	62	
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	60	59	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573244
5°	562997
10°	540582
15°	495690
20°	437118
25°	335027
30°	182155
35°	58625
40°	13769
45°	1861
50°	1637
55°	1835
60°	1579
65°	1868
70°	1539
75°	2033
80°	1515
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 3019 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	14.6
10°-20°	607.0	36.9
20°-30°	607.9	36.9
30°-40°	170.9	10.4
40°-50°	10.3	0.6
50°-60°	3.9	0.2
60°-70°	3.1	0.2
70°-80°	2.1	0.1
80°-90°	0.8	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°	1454.8	88.4
0°-40°	1625.8	98.8
0°-60°	1640.0	99.6
0°-90°	1646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1646.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2614	
5°	2558	240
15°	2184	607
25°	1385	608
35°	219	171
45°	6	10
55°	5	4
65°	4	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2614.2
2.5°	2601.0
5°	2557.7
7.5°	2498.7
10°	2427.8
12.5°	2320.7
15°	2183.5
17.5°	2025.9
20°	1873.2
22.5°	1683.1
25°	1384.7
27.5°	1031.0
30°	719.4
32.5°	434.3
35°	219.0
37.5°	103.5
40°	48.1
42.5°	18.0
45°	6.0
47.5°	4.8
50°	4.8
52.5°	4.8
55°	4.8
57.5°	3.6
60°	3.6
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)