

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: P1247664

Luminaire Tested: P3A20R409024D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409024D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

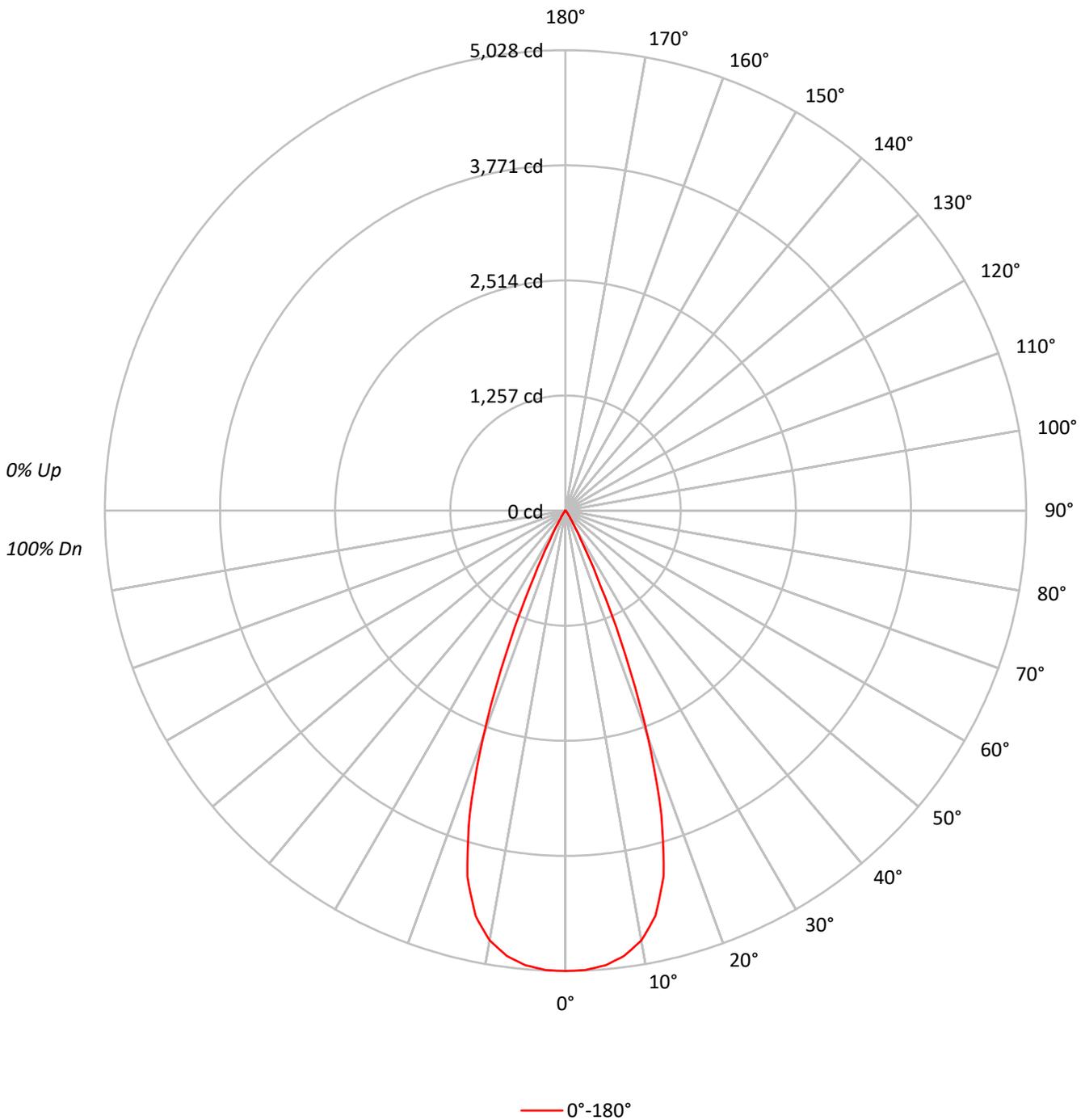
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2094.1 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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			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	100	100	100	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85	85	85	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82	82	82	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	79	79	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76	76	76	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73	73	73	73
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71	71	71	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1102543
5°	1097246
10°	1061481
15°	939120
20°	612740
25°	217053
30°	46032
35°	15151
40°	5553
45°	1861
50°	1535
55°	1720
60°	1316
65°	1557
70°	962
75°	1271
80°	1894
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 2520 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.0	22.4
10°-20°	1092.3	52.2
20°-30°	474.0	22.6
30°-40°	43.7	2.1
40°-50°	6.2	0.3
50°-60°	3.9	0.2
60°-70°	2.8	0.1
70°-80°	1.6	0.1
80°-90°	0.6	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°	2035.3	97.2
0°-40°	2079.0	99.3
0°-60°	2089.1	99.8
0°-90°	2094.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2094.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5028	
5°	4985	469
15°	4137	1092
25°	897	474
35°	57	44
45°	6	6
55°	4	4
65°	3	3
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5028.0
2.5°	5022.0
5°	4984.8
7.5°	4905.8
10°	4767.2
12.5°	4533.2
15°	4136.8
17.5°	3479.7
20°	2625.8
22.5°	1704.8
25°	897.1
27.5°	386.0
30°	181.8
32.5°	98.4
35°	56.6
37.5°	34.3
40°	19.4
42.5°	10.4
45°	6.0
47.5°	4.5
50°	4.5
52.5°	4.5
55°	4.5
57.5°	4.5
60°	3.0
62.5°	3.0
65°	3.0
67.5°	3.0
70°	1.5
72.5°	1.5
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)