

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: P1247749

Luminaire Tested: P3A20R559024D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559024D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

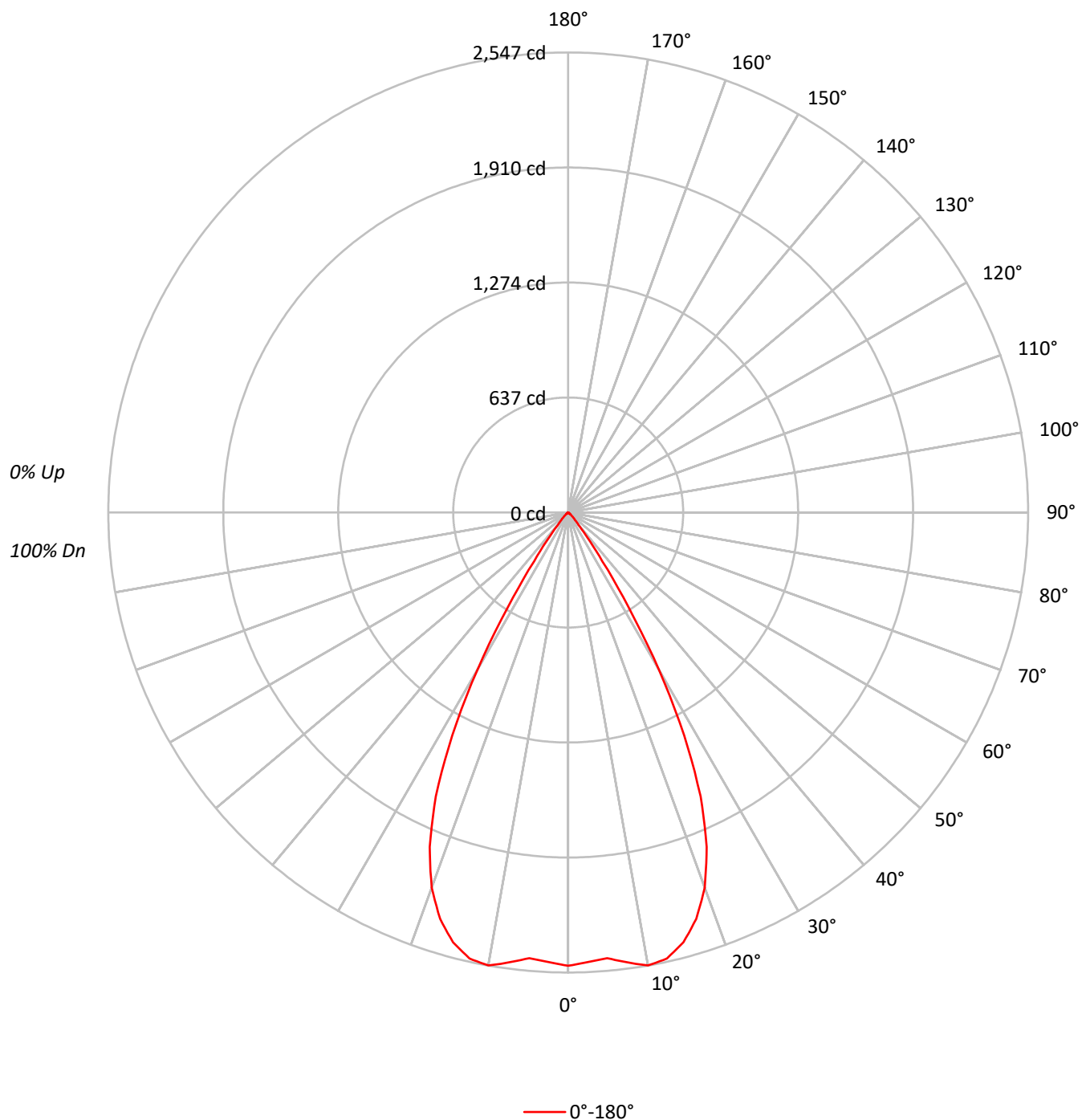
Lumens per Lamp: N/A
Luminaire Lumens: 1984.1 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	111	109	107	112	109	107	105	105	104	102		101	100	99		98
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	550263
5°	545145
10°	567057
15°	559186
20°	515641
25°	419565
30°	254849
35°	88205
40°	25190
45°	12032
50°	5083
55°	2294
60°	2631
65°	2335
70°	1923
75°	2542
80°	1894
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12032 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.4	12.1
10°-20°	684.6	34.5
20°-30°	763.2	38.5
30°-40°	249.7	12.6
40°-50°	32.9	1.7
50°-60°	7.0	0.4
60°-70°	4.1	0.2
70°-80°	2.6	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°	1687.2	85.0
0°-40°	1936.9	97.6
0°-60°	1976.8	99.6
0°-90°	1984.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2509	
5°	2477	239
15°	2463	685
25°	1734	763
35°	330	250
45°	39	33
55°	6	7
65°	4	4
75°	3	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2509.4
2.5°	2491.6
5°	2476.6
7.5°	2512.4
10°	2546.7
12.5°	2528.8
15°	2463.2
17.5°	2358.8
20°	2209.7
22.5°	2004.0
25°	1734.1
27.5°	1391.2
30°	1006.5
32.5°	617.3
35°	329.5
37.5°	167.0
40°	88.0
42.5°	56.7
45°	38.8
47.5°	26.8
50°	14.9
52.5°	8.9
55°	6.0
57.5°	6.0
60°	6.0
62.5°	4.5
65°	4.5
67.5°	3.0
70°	3.0
72.5°	3.0
75°	3.0
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)