

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: P1250427

Luminaire Tested: P3AS24R509027D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250427
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: P3AS24R509027D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

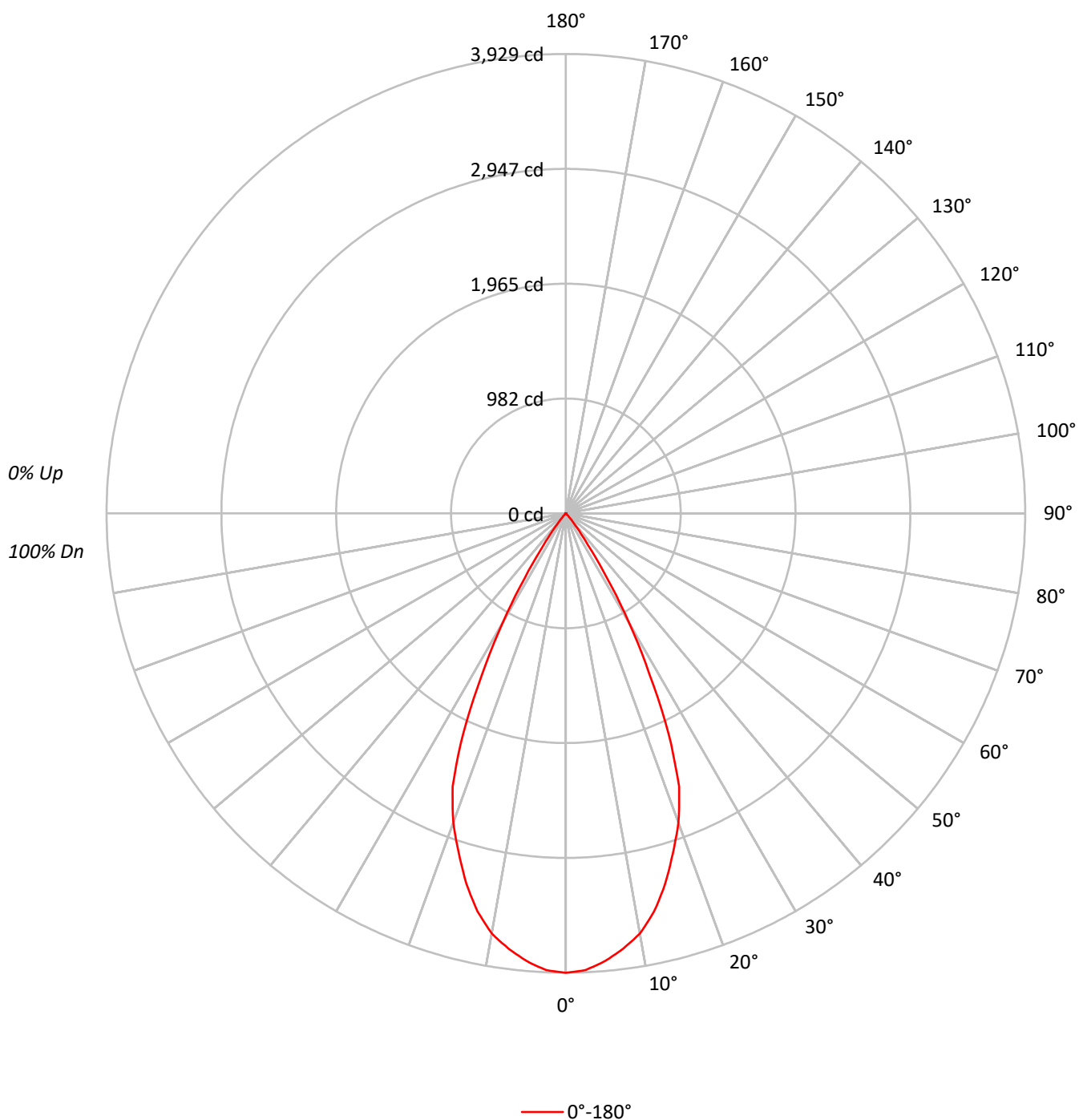
Lumens per Lamp: N/A
Luminaire Lumens: 2473.9 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	861620
5°	846201
10°	812499
15°	745067
20°	656984
25°	503569
30°	273789
35°	88098
40°	20696
45°	2791
50°	2456
55°	2753
60°	2368
65°	2802
70°	2308
75°	3050
80°	2273
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 4529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.8	14.6
10°-20°	912.3	36.9
20°-30°	913.7	36.9
30°-40°	256.9	10.4
40°-50°	15.5	0.6
50°-60°	5.8	0.2
60°-70°	4.7	0.2
70°-80°	3.1	0.1
80°-90°	1.2	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°	2186.7	88.4
0°-40°	2443.6	98.8
0°-60°	2464.9	99.6
0°-90°	2473.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3929	
5°	3844	361
15°	3282	912
25°	2081	914
35°	329	257
45°	9	15
55°	7	6
65°	5	5
75°	4	3
85°	2	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3929.3
2.5°	3909.4
5°	3844.3
7.5°	3755.7
10°	3649.0
12.5°	3488.1
15°	3282.0
17.5°	3045.1
20°	2815.4
22.5°	2529.7
25°	2081.3
27.5°	1549.7
30°	1081.3
32.5°	652.8
35°	329.1
37.5°	155.5
40°	72.3
42.5°	27.1
45°	9.0
47.5°	7.2
50°	7.2
52.5°	7.2
55°	7.2
57.5°	5.4
60°	5.4
62.5°	5.4
65°	5.4
67.5°	3.6
70°	3.6
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)