

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: P1272605

Luminaire Tested: P3AS20R259827D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R259827D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

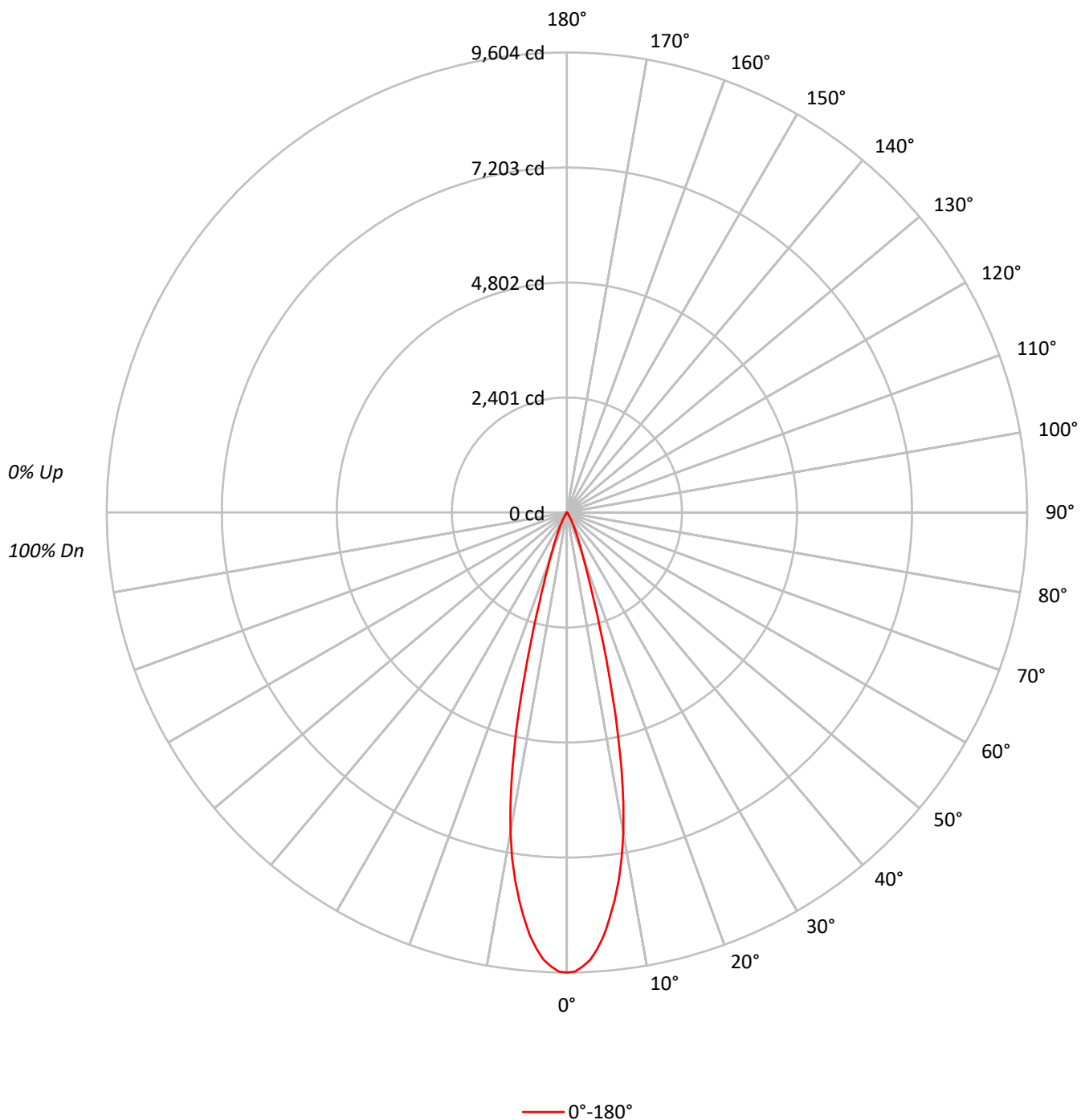
Lumens per Lamp: N/A
Luminaire Lumens: 1923.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	96	96
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	106	101	97	94	104	100	96	94	98	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	91	101	96	93	90	95	92	90	93	91	89	92	90	88	87	86	86
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85	84	84
7	98	92	88	85	97	91	87	85	90	87	84	89	86	84	88	86	84	83	82	82
8	95	89	85	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81	80	80
9	93	87	83	81	92	86	83	80	86	83	80	85	82	80	84	82	80	79	78	78
10	91	85	81	79	90	84	81	79	84	81	78	83	80	78	83	80	78	77	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2106037
5°	1950952
10°	1509480
15°	720980
20°	237717
25°	100215
30°	38841
35°	16811
40°	5582
45°	2605
50°	955
55°	535
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.1	40.5
10°-20°	886.1	46.1
20°-30°	205.9	10.7
30°-40°	43.2	2.2
40°-50°	7.0	0.4
50°-60°	1.2	0.1
60°-70°	0.6	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1871.1	97.3
0°-40°	1914.3	99.5
0°-60°	1922.4	100.0
0°-90°	1923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1923.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9604	
5°	8863	779
15°	3176	886
25°	414	206
35°	63	43
45°	8	7
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9604.3
1°	9584.8
2°	9485.1
3°	9345.0
4°	9130.9
5°	8863.2
6°	8519.4
7°	8159.7
8°	7756.0
9°	7300.7
10°	6779.2
11°	6174.7
12°	5480.9
13°	4720.9
14°	3926.1
15°	3175.9
16°	2512.1
17°	1957.1
18°	1539.5
19°	1231.3
20°	1018.7
21°	851.3
22°	714.7
23°	596.8
24°	499.2
25°	414.2
27.5°	245.4
30°	153.4
32.5°	98.3
35°	62.8
37.5°	37.7
40°	19.5
42.5°	12.6
45°	8.4
47.5°	4.9
50°	2.8
52.5°	1.4
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.0
72.5°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)