

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: P1270822

Luminaire Tested: P3AS02R159827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R159827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

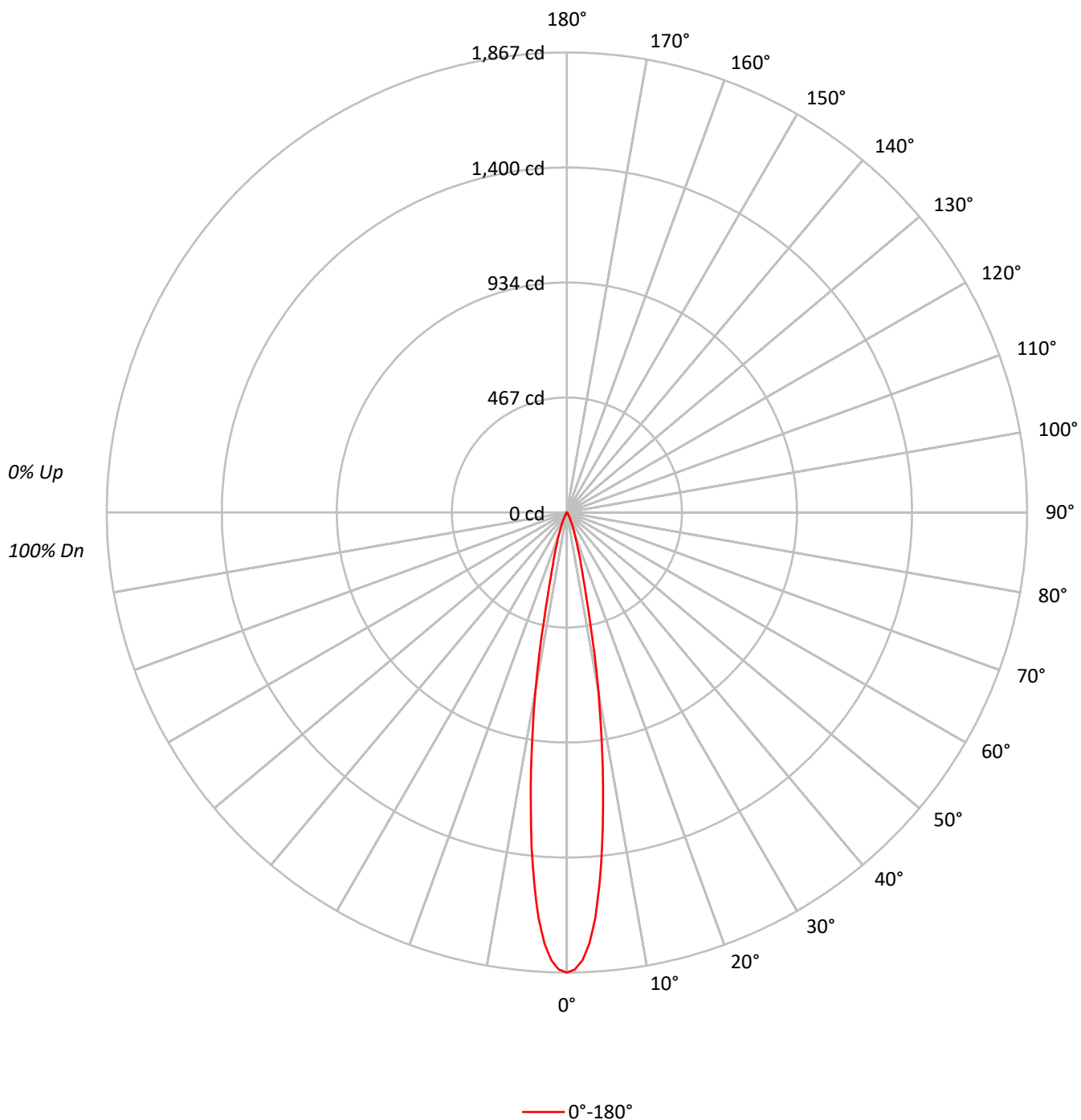
Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1270822

CATALOG NUMBER: P3AS02R159827DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270822

CATALOG NUMBER: P3AS02R159827DE010 E3D1WMH

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		
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98		
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94		
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	92	91	90		
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88		
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87		
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85		
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	84	84		
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	409419
5°	333853
10°	163502
15°	50034
20°	21189
25°	9581
30°	3747
35°	1713
40°	544
45°	217
50°	68
55°	38
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 217 cd/sqm

TEST NUMBER: P1270822

CATALOG NUMBER: P3AS02R159827DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	54.9
10°-20°	72.4	33.7
20°-30°	19.5	9.0
30°-40°	4.3	2.0
40°-50°	0.6	0.3
50°-60°	0.1	0.1
60°-70°	0.1	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°	209.9	97.6
0°-40°	214.2	99.6
0°-60°	215.0	100.0
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1867	
5°	1517	118
15°	220	72
25°	40	19
35°	6	4
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270822

CATALOG NUMBER: P3AS02R159827DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1867.1
1°	1855.4
2°	1818.0
3°	1750.6
4°	1649.1
5°	1516.7
6°	1366.9
7°	1200.1
8°	1046.9
9°	884.4
10°	734.3
11°	585.8
12°	450.7
13°	346.6
14°	274.4
15°	220.4
17.5°	136.6
20°	90.8
22.5°	61.1
25°	39.6
27.5°	23.5
30°	14.8
32.5°	9.9
35°	6.4
37.5°	3.6
40°	1.9
42.5°	1.1
45°	0.7
47.5°	0.4
50°	0.2
52.5°	0.2
55°	0.1
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1270822

CATALOG NUMBER: P3AS02R159827DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)