

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: P1248811

Luminaire Tested: P3AS09R259027DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R259027DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

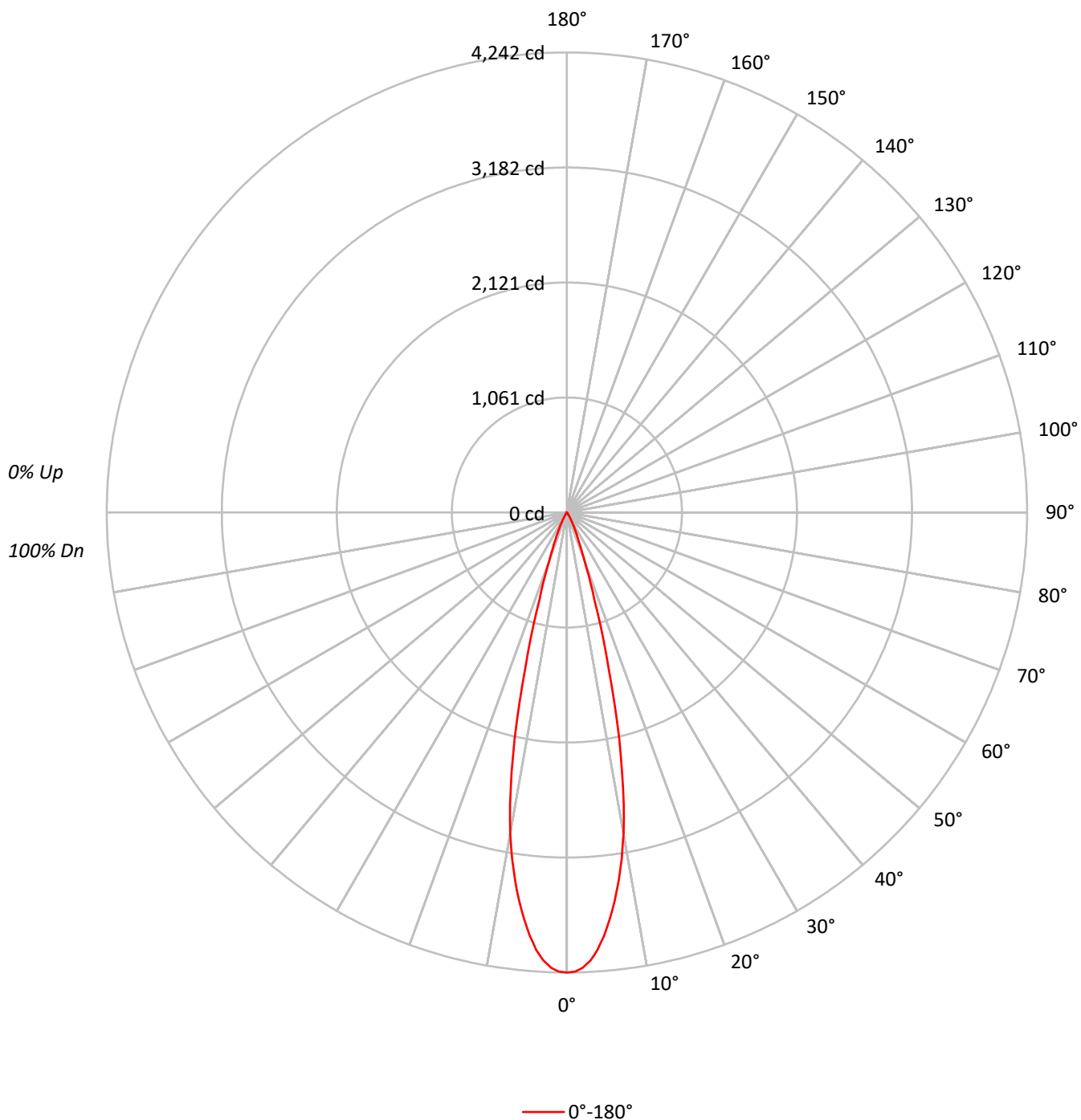
Lumens per Lamp: N/A
Luminaire Lumens: 870.1 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1248811

CATALOG NUMBER: P3AS09R259027DE010 E3D1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	930167
5°	862688
10°	669037
15°	335462
20°	110213
25°	43817
30°	16433
35°	4765
40°	2147
45°	837
50°	716
55°	535
60°	614
65°	726
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 884 cd/sqm

TEST NUMBER: P1248811

CATALOG NUMBER: P3AS09R259027DE010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.7	39.6
10°-20°	411.3	47.3
20°-30°	92.7	10.7
30°-40°	15.0	1.7
40°-50°	2.7	0.3
50°-60°	1.5	0.2
60°-70°	1.3	0.1
70°-80°	0.7	0.1
80°-90°	0.1	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°	848.7	97.5
0°-40°	863.7	99.3
0°-60°	868.0	99.8
0°-90°	870.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4242	
5°	3919	345
15°	1478	411
25°	181	93
35°	18	15
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1248811

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4241.9
1°	4235.0
2°	4200.8
3°	4138.0
4°	4043.0
5°	3919.2
6°	3771.6
7°	3611.7
8°	3428.5
9°	3228.2
10°	3004.7
11°	2747.0
12°	2450.4
13°	2140.1
14°	1807.2
15°	1477.7
17.5°	842.1
20°	472.3
22.5°	285.0
25°	181.1
27.5°	111.4
30°	64.9
32.5°	34.2
35°	17.8
37.5°	11.6
40°	7.5
42.5°	4.8
45°	2.7
47.5°	2.1
50°	2.1
52.5°	2.1
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1248811

CATALOG NUMBER: P3AS09R259027DE010 E3D1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)