

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: P1248787

Luminaire Tested: P3AS09R209027DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R209027DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

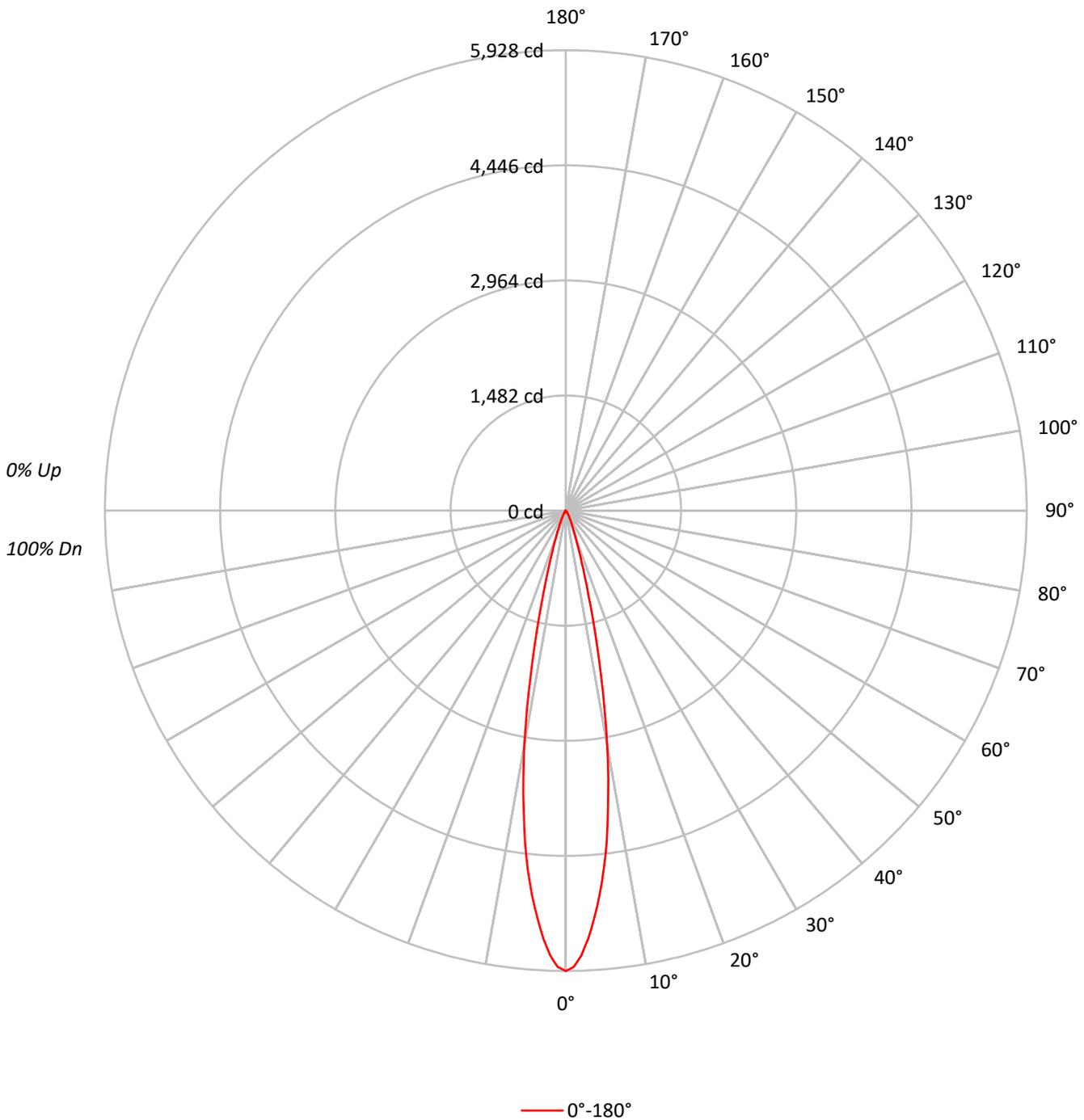
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 856.9 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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: P1248787
CATALOG NUMBER: P3AS09R209027DE010 E3D1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1248787

CATALOG NUMBER: P3AS09R209027DE010 E3D1WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	99	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89	89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87	87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1300005
5°	1094538
10°	683644
15°	255597
20°	87741
25°	36559
30°	17218
35°	7710
40°	3635
45°	1861
50°	682
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1861 cd/sqm



TEST NUMBER: P1248787
 CATALOG NUMBER: P3AS09R209027DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.5	48.3
10°-20°	340.6	39.7
20°-30°	77.4	9.0
30°-40°	19.7	2.3
40°-50°	4.9	0.6
50°-60°	0.6	0.1
60°-70°	0.2	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°	831.5	97.0
0°-40°	851.2	99.3
0°-60°	856.7	100.0
0°-90°	856.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5928	
5°	4972	414
15°	1126	341
25°	151	77
35°	29	20
45°	6	5
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1248787
CATALOG NUMBER: P3AS09R209027DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5928.5
1°	5878.2
2°	5730.1
3°	5517.7
4°	5257.0
5°	4972.5
6°	4655.5
7°	4305.7
8°	3897.6
9°	3493.2
10°	3070.3
11°	2620.3
12°	2170.9
13°	1790.3
14°	1426.4
15°	1125.9
16°	888.6
17°	701.0
18°	563.3
19°	458.0
20°	376.0
21°	314.3
22°	262.4
23°	218.1
24°	181.9
25°	151.1
27.5°	98.8
30°	68.0
32.5°	41.9
35°	28.8
37.5°	18.4
40°	12.7
42.5°	8.7
45°	6.0
47.5°	4.0
50°	2.0
52.5°	1.0
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1248787
CATALOG NUMBER: P3AS09R209027DE010 E3D1WMH

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)