

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: P1272234

Luminaire Tested: P3AS17R209827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272234
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: P3AS17R209827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

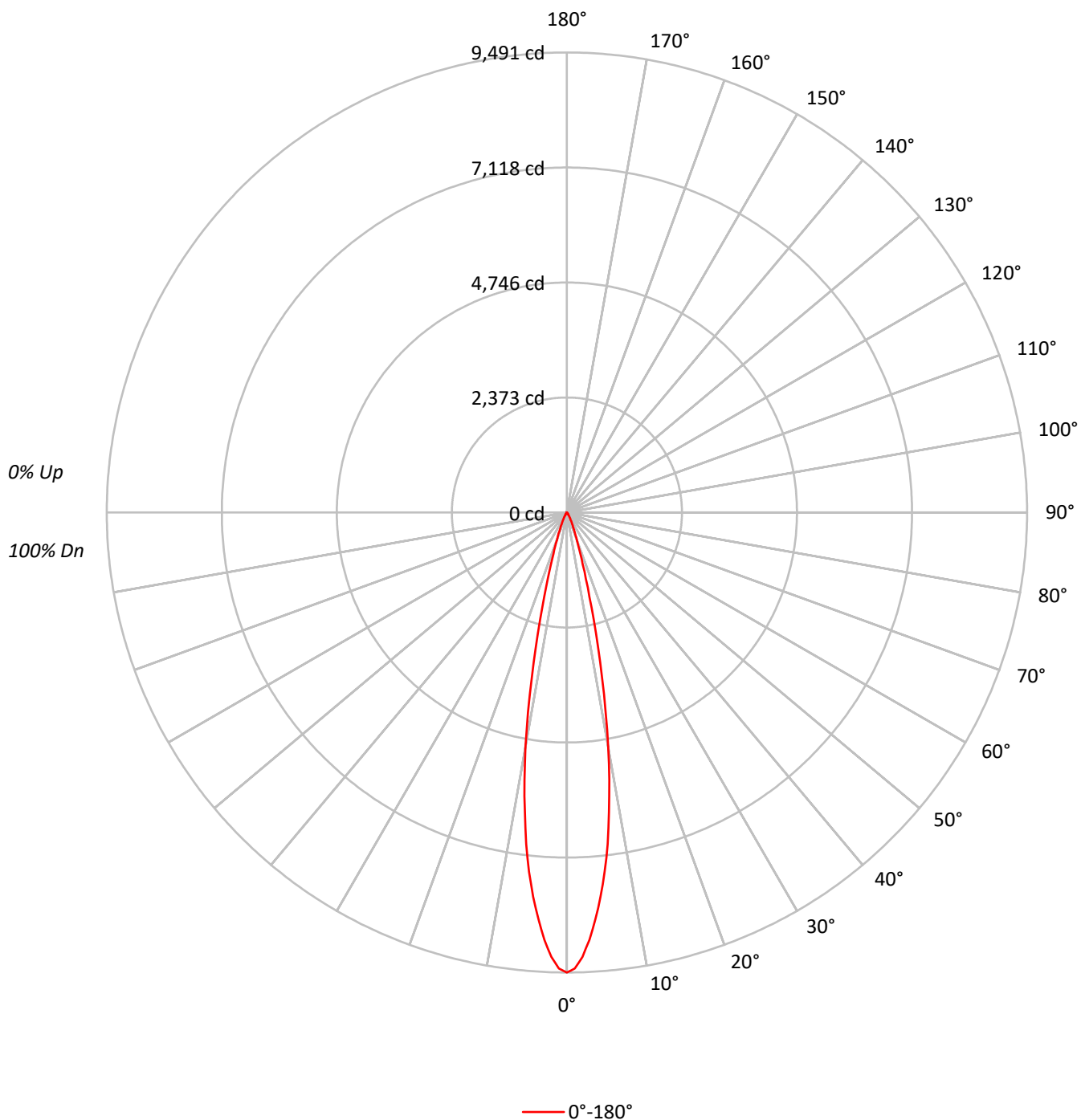
Lumens per Lamp: N/A
Luminaire Lumens: 1371.9 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1272234

CATALOG NUMBER: P3AS17R209827DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1272234

CATALOG NUMBER: P3AS17R209827DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	114	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	95	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		92
7	99	93	90	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	91	87	85	90	87	85		89	86	84		88
9	95	89	85	83	94	89	85	83	88	85	83		87	84	83		87
10	93	87	84	81	92	87	83	81	86	83	81		86	83	81		85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2081215
5°	1752296
10°	1094458
15°	409174
20°	140456
25°	58528
30°	27574
35°	12341
40°	5840
45°	3008
50°	1092
55°	191
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3008 cd/sqm

TEST NUMBER: P1272234

CATALOG NUMBER: P3AS17R209827DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.0	48.3
10°-20°	545.3	39.7
20°-30°	123.9	9.0
30°-40°	31.5	2.3
40°-50°	7.9	0.6
50°-60°	1.0	0.1
60°-70°	0.3	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°	1331.2	97.0
0°-40°	1362.7	99.3
0°-60°	1371.6	100.0
0°-90°	1371.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1371.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9491	
5°	7961	662
15°	1802	545
25°	242	124
35°	46	32
45°	10	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272234

CATALOG NUMBER: P3AS17R209827DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	9491.1
1°	9410.6
2°	9173.5
3°	8833.4
4°	8416.1
5°	7960.7
6°	7453.2
7°	6893.2
8°	6239.8
9°	5592.3
10°	4915.3
11°	4194.9
12°	3475.5
13°	2866.2
14°	2283.6
15°	1802.4
16°	1422.6
17°	1122.2
18°	901.7
19°	733.3
20°	601.9
21°	503.2
22°	420.0
23°	349.2
24°	291.3
25°	241.9
27.5°	158.2
30°	108.9
32.5°	67.1
35°	46.1
37.5°	29.5
40°	20.4
42.5°	13.9
45°	9.7
47.5°	6.4
50°	3.2
52.5°	1.6
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1272234

CATALOG NUMBER: P3AS17R209827DE010 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)