

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: P1249570

Luminaire Tested: P3AS17R209027DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249570
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: P3AS17R209027DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

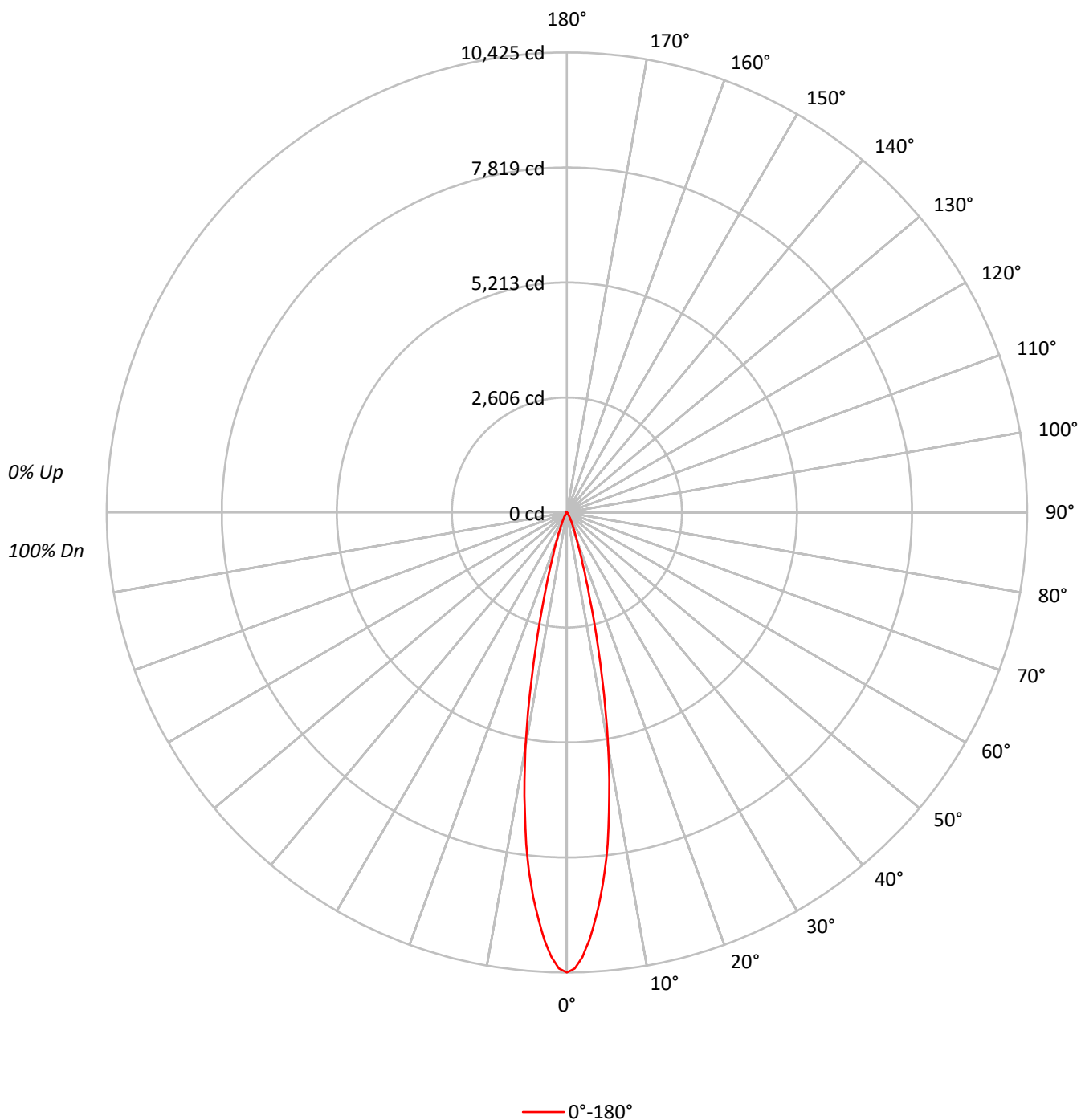
Lumens per Lamp: N/A
Luminaire Lumens: 1507.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1249570

CATALOG NUMBER: P3AS17R209027DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1249570

CATALOG NUMBER: P3AS17R209027DE010 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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	114	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104		110	107	105	103		104	102	101		101	100	98		99	98	96
3	109	105	102	99		107	104	101	98		101	99	97		99	97	95		97	95	94
4	106	101	98	95		105	100	97	95		99	96	94		97	95	93		95	93	92
5	104	98	95	92		102	98	94	92		96	93	91		95	92	90		93	91	90
6	101	96	92	89		100	95	92	89		94	91	89		93	90	88		92	89	88
7	99	93	90	87		98	93	89	87		92	89	86		91	88	86		90	87	86
8	97	91	87	85		96	91	87	85		90	87	85		89	86	84		88	86	84
9	95	89	85	83		94	89	85	83		88	85	83		87	84	83		87	84	82
10	93	87	84	81		92	87	83	81		86	83	81		86	83	81		85	83	81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2286001
5°	1924714
10°	1202160
15°	449446
20°	154270
25°	64286
30°	30283
35°	13572
40°	6412
45°	3287
50°	1194
55°	229
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3287 cd/sqm

TEST NUMBER: P1249570

CATALOG NUMBER: P3AS17R209027DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.1	48.2
10°-20°	598.9	39.7
20°-30°	136.1	9.0
30°-40°	34.7	2.3
40°-50°	8.7	0.6
50°-60°	1.1	0.1
60°-70°	0.4	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°	1462.2	97.0
0°-40°	1496.8	99.3
0°-60°	1506.7	100.0
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10425	
5°	8744	727
15°	1980	599
25°	266	136
35°	51	35
45°	11	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1249570

CATALOG NUMBER: P3AS17R209027DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	10425.0
1°	10336.6
2°	10076.2
3°	9702.6
4°	9244.2
5°	8744.0
6°	8186.6
7°	7571.4
8°	6853.7
9°	6142.6
10°	5399.0
11°	4607.7
12°	3817.5
13°	3148.2
14°	2508.3
15°	1979.8
16°	1562.6
17°	1232.6
18°	990.5
19°	805.5
20°	661.1
21°	552.7
22°	461.4
23°	383.6
24°	319.9
25°	265.7
27.5°	173.8
30°	119.6
32.5°	73.7
35°	50.7
37.5°	32.4
40°	22.4
42.5°	15.3
45°	10.6
47.5°	7.1
50°	3.5
52.5°	1.8
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.0
70°	0.0
72.5°	0.0

TEST NUMBER: P1249570

CATALOG NUMBER: P3AS17R209027DE010 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)