

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: P1270103

Luminaire Tested: P3A17R209740DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270103
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: P3A17R209740DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

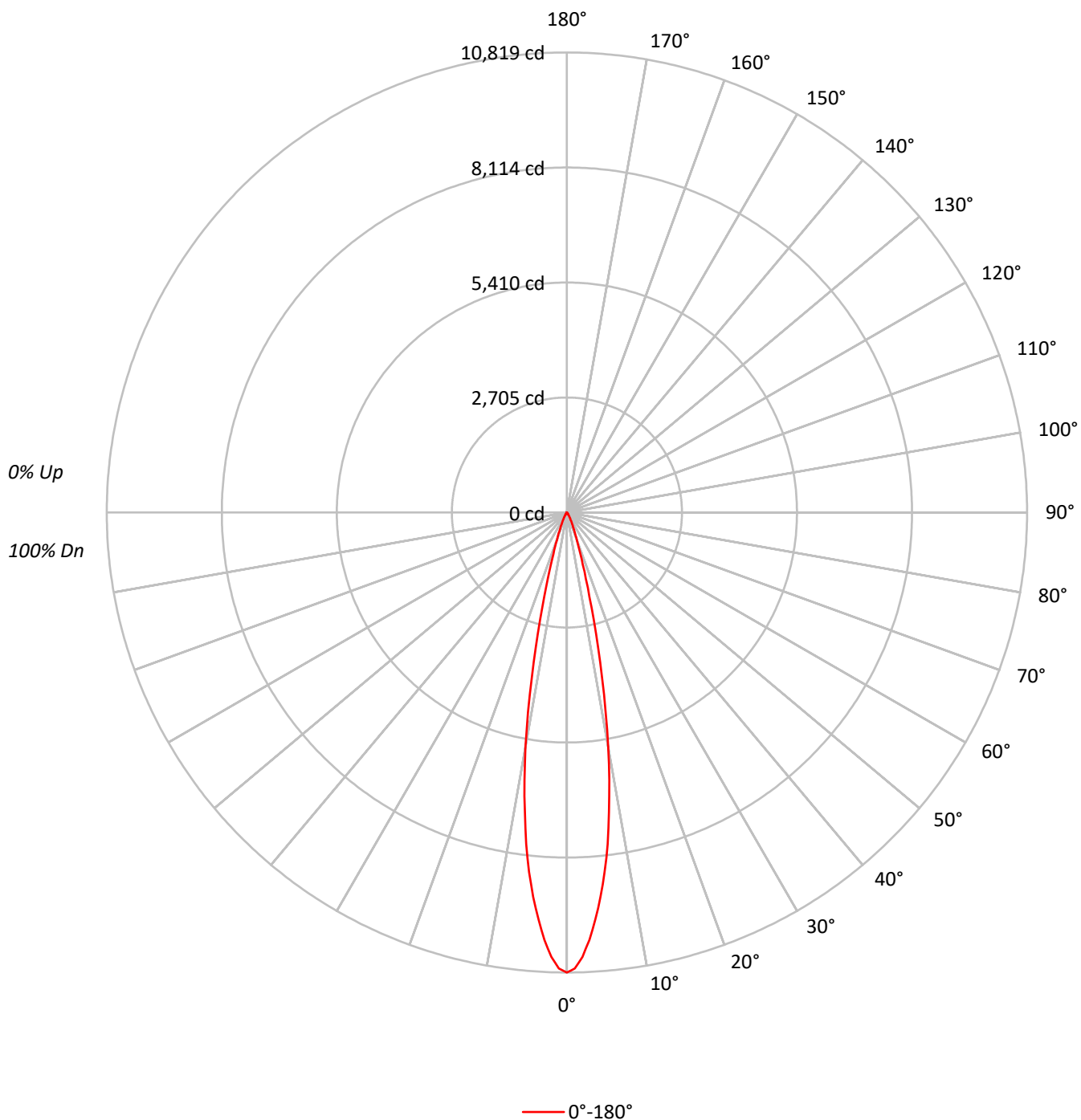
Lumens per Lamp: N/A
Luminaire Lumens: 1564.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270103

CATALOG NUMBER: P3A17R209740DE010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1270103

CATALOG NUMBER: P3A17R209740DE010 E3D1WH

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°	2372463
5°	1997507
10°	1247628
15°	466427
20°	160104
25°	66730
30°	31423
35°	14081
40°	6641
45°	3411
50°	1262
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: 3411 cd/sqm

TEST NUMBER: P1270103

CATALOG NUMBER: P3A17R209740DE010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.6	48.3
10°-20°	621.6	39.7
20°-30°	141.3	9.0
30°-40°	35.9	2.3
40°-50°	9.0	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°	1517.5	97.0
0°-40°	1553.4	99.3
0°-60°	1563.6	100.0
0°-90°	1564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1564.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10819	
5°	9075	755
15°	2055	622
25°	276	141
35°	53	36
45°	11	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270103

CATALOG NUMBER: P3A17R209740DE010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	10819.3
1°	10727.6
2°	10457.3
3°	10069.6
4°	9593.8
5°	9074.7
6°	8496.2
7°	7857.8
8°	7113.0
9°	6374.9
10°	5603.2
11°	4781.9
12°	3961.9
13°	3267.3
14°	2603.2
15°	2054.6
16°	1621.7
17°	1279.3
18°	1027.9
19°	835.9
20°	686.1
21°	573.6
22°	478.8
23°	398.1
24°	332.0
25°	275.8
27.5°	180.4
30°	124.1
32.5°	76.4
35°	52.6
37.5°	33.6
40°	23.2
42.5°	15.9
45°	11.0
47.5°	7.3
50°	3.7
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: P1270103

CATALOG NUMBER: P3A17R209740DE010 E3D1WH

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)