

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: P1263163

Luminaire Tested: P3A17R559727DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559727DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

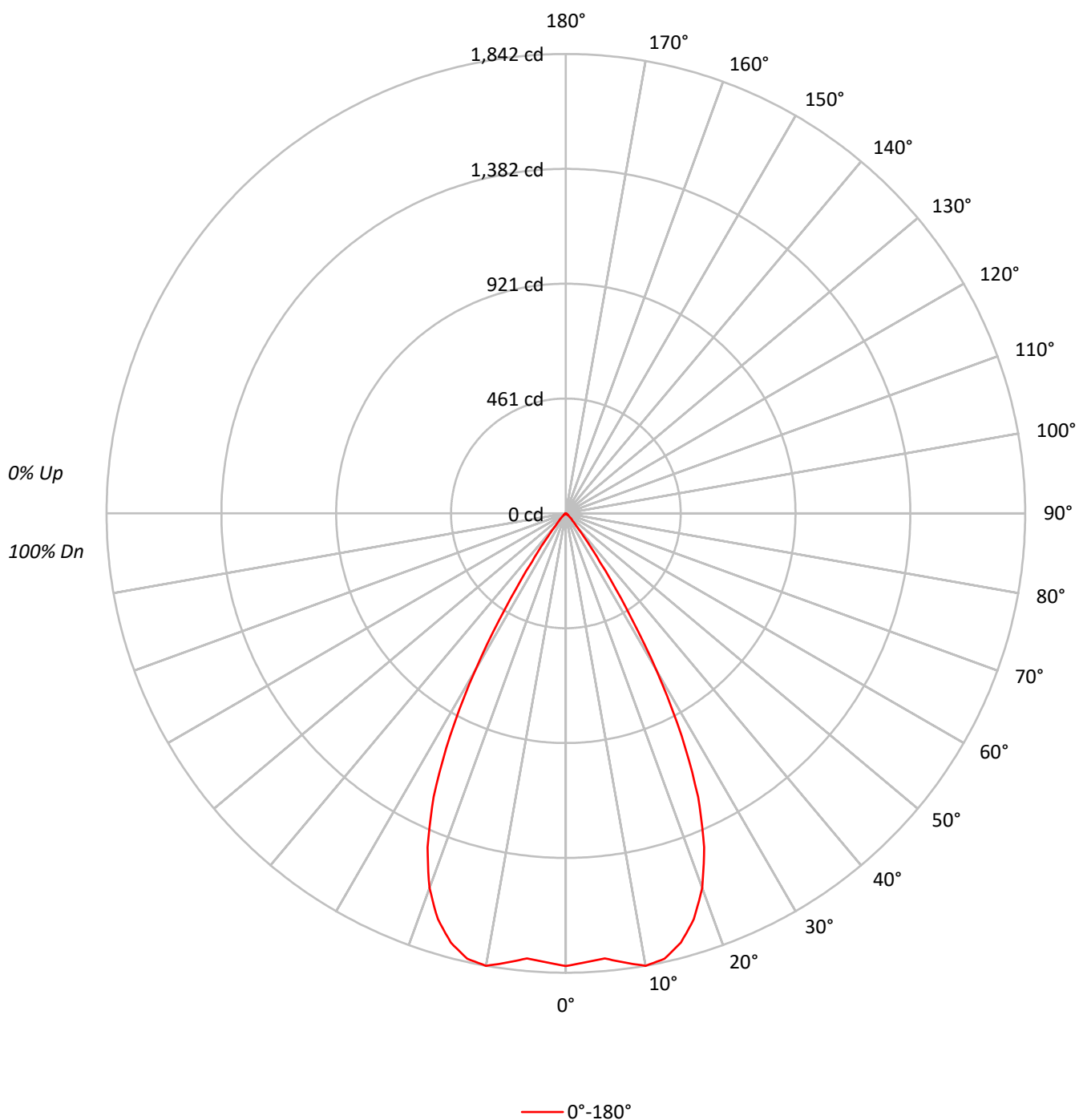
Lumens per Lamp: N/A
Luminaire Lumens: 1435.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263163

CATALOG NUMBER: P3A17R559727DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1263163

CATALOG NUMBER: P3A17R559727DE010 E3CD1MW

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	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	397994
5°	394298
10°	410146
15°	404452
20°	372969
25°	303453
30°	184332
35°	63791
40°	18206
45°	8683
50°	3684
55°	1644
60°	1886
65°	1660
70°	1410
75°	1864
80°	1389
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8683 cd/sqm

TEST NUMBER: P1263163

CATALOG NUMBER: P3A17R559727DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	12.1
10°-20°	495.2	34.5
20°-30°	552.0	38.5
30°-40°	180.6	12.6
40°-50°	23.8	1.7
50°-60°	5.0	0.4
60°-70°	2.9	0.2
70°-80°	1.9	0.1
80°-90°	0.4	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°	1220.3	85.0
0°-40°	1400.9	97.6
0°-60°	1429.8	99.6
0°-90°	1435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1815	
5°	1791	173
15°	1782	495
25°	1254	552
35°	238	181
45°	28	24
55°	4	5
65°	3	3
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1263163

CATALOG NUMBER: P3A17R559727DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1815.0
2.5°	1802.1
5°	1791.3
7.5°	1817.2
10°	1842.0
12.5°	1829.1
15°	1781.6
17.5°	1706.1
20°	1598.3
22.5°	1449.4
25°	1254.2
27.5°	1006.2
30°	728.0
32.5°	446.5
35°	238.3
37.5°	120.8
40°	63.6
42.5°	41.0
45°	28.0
47.5°	19.4
50°	10.8
52.5°	6.5
55°	4.3
57.5°	4.3
60°	4.3
62.5°	3.2
65°	3.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)