

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: P1263178

Luminaire Tested: P3A17R559727DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559727DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

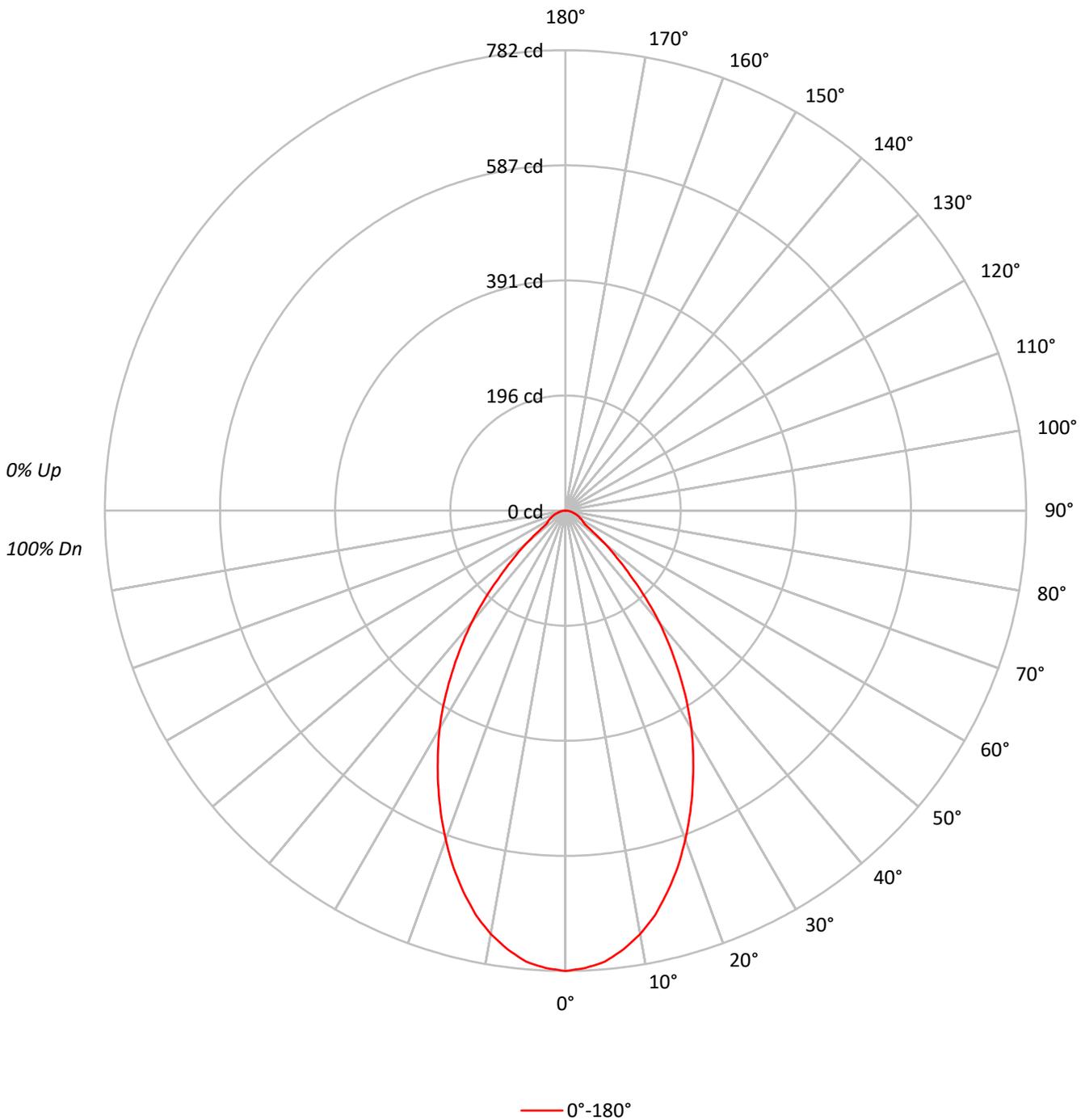
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 912.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
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: P1263178
CATALOG NUMBER: P3A17R559727DE010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1263178
 CATALOG NUMBER: P3A17R559727DE010 E3DLD1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62		
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57		
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52		
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	53	50	48		
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45		
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171477
5°	169293
10°	162611
15°	152101
20°	138752
25°	123781
30°	108270
35°	89971
40°	70904
45°	48098
50°	29406
55°	15254
60°	14166
65°	13439
70°	12438
75°	10929
80°	10860
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 48098 cd/sqm



TEST NUMBER: P1263178
 CATALOG NUMBER: P3A17R559727DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	7.9
10°-20°	187.3	20.5
20°-30°	234.5	25.7
30°-40°	209.3	23.0
40°-50°	122.6	13.4
50°-60°	42.3	4.6
60°-70°	25.6	2.8
70°-80°	14.2	1.6
80°-90°	4.1	0.5
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°	493.9	54.2
0°-40°	703.2	77.1
0°-60°	868.1	95.2
0°-90°	912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	912.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	782	
5°	769	72
15°	670	187
25°	512	234
35°	336	209
45°	155	123
55°	40	42
65°	26	26
75°	13	14
85°	3	4
90°	0	



TEST NUMBER: P1263178
CATALOG NUMBER: P3A17R559727DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	782.0
2.5°	777.7
5°	769.1
7.5°	751.8
10°	730.3
12.5°	703.4
15°	670.0
17.5°	634.4
20°	594.6
22.5°	553.7
25°	511.6
27.5°	469.6
30°	427.6
32.5°	382.4
35°	336.1
37.5°	290.8
40°	247.7
42.5°	201.4
45°	155.1
47.5°	118.5
50°	86.2
52.5°	56.0
55°	39.9
57.5°	35.5
60°	32.3
62.5°	29.1
65°	25.9
67.5°	22.6
70°	19.4
72.5°	16.2
75°	12.9
77.5°	10.8
80°	8.6
82.5°	5.4
85°	3.2
87.5°	2.2
90°	0.0

(END OF REPORT)