

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: P1249775

Luminaire Tested: P3AS17R559027DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R559027DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

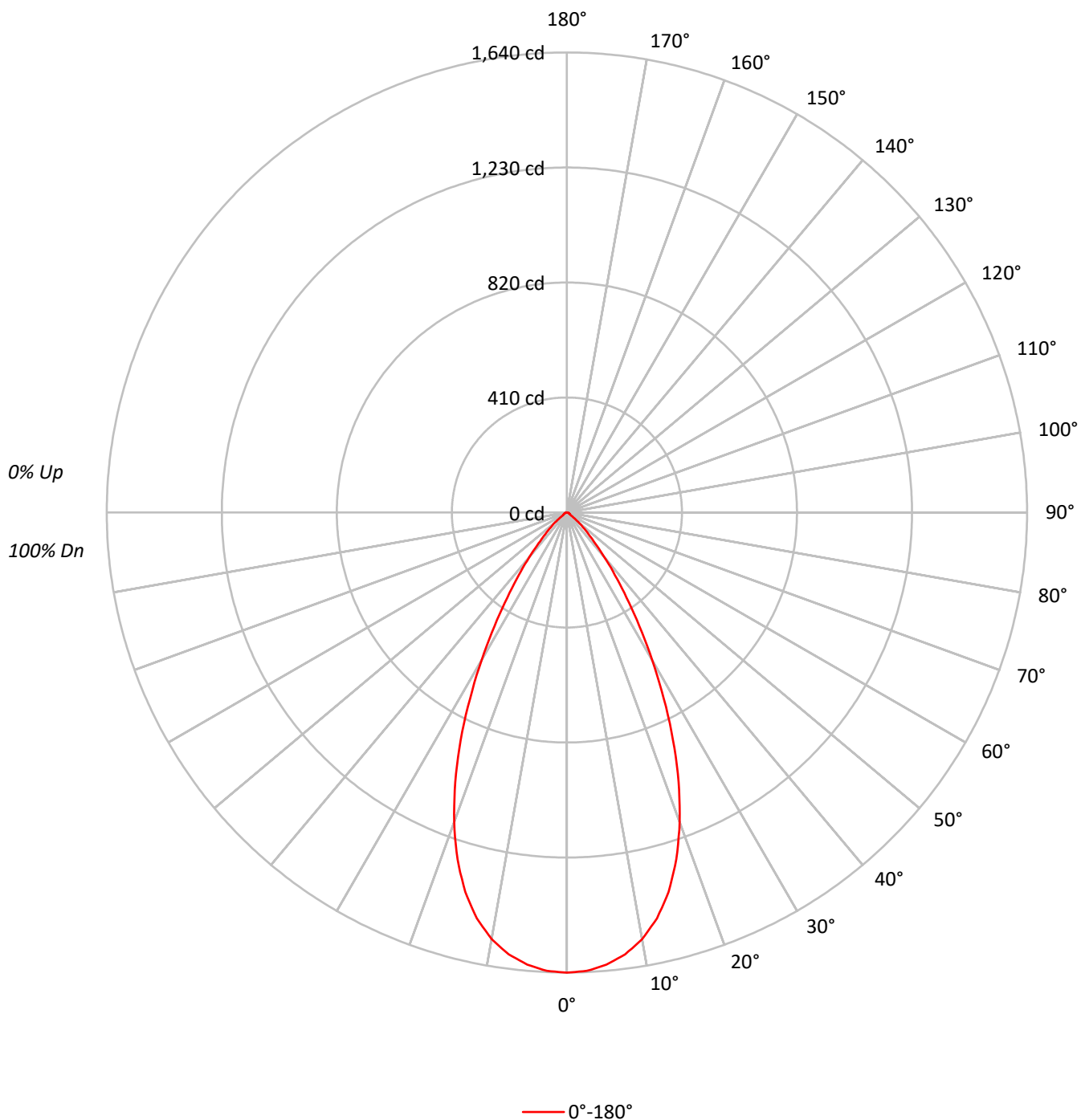
Lumens per Lamp: N/A
Luminaire Lumens: 1309.9 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1249775

CATALOG NUMBER: P3AS17R559027DE010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1249775

CATALOG NUMBER: P3AS17R559027DE010 E3DL1MW

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	359708
5°	356063
10°	343859
15°	317845
20°	274261
25°	216617
30°	153669
35°	99100
40°	59511
45°	33554
50°	18046
55°	6423
60°	5789
65°	5604
70°	5386
75°	5083
80°	4546
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33554 cd/sqm

TEST NUMBER: P1249775

CATALOG NUMBER: P3AS17R559027DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	11.6
10°-20°	387.2	29.6
20°-30°	405.7	31.0
30°-40°	236.7	18.1
40°-50°	88.6	6.8
50°-60°	20.8	1.6
60°-70°	10.7	0.8
70°-80°	6.3	0.5
80°-90°	1.8	0.1
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°	945.0	72.1
0°-40°	1181.7	90.2
0°-60°	1291.1	98.6
0°-90°	1309.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1640	
5°	1618	152
15°	1400	387
25°	895	406
35°	370	237
45°	108	89
55°	17	21
65°	11	11
75°	6	6
85°	1	2
90°	0	

TEST NUMBER: P1249775

CATALOG NUMBER: P3AS17R559027DE010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1640.4
2.5°	1635.6
5°	1617.6
7.5°	1588.8
10°	1544.3
12.5°	1481.8
15°	1400.1
17.5°	1296.7
20°	1175.3
22.5°	1039.5
25°	895.3
27.5°	747.5
30°	606.9
32.5°	479.5
35°	370.2
37.5°	281.2
40°	207.9
42.5°	149.0
45°	108.2
47.5°	78.1
50°	52.9
52.5°	30.0
55°	16.8
57.5°	14.4
60°	13.2
62.5°	12.0
65°	10.8
67.5°	9.6
70°	8.4
72.5°	7.2
75°	6.0
77.5°	4.8
80°	3.6
82.5°	2.4
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)