

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: P1249079

Luminaire Tested: P3AS09R709027DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R709027DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

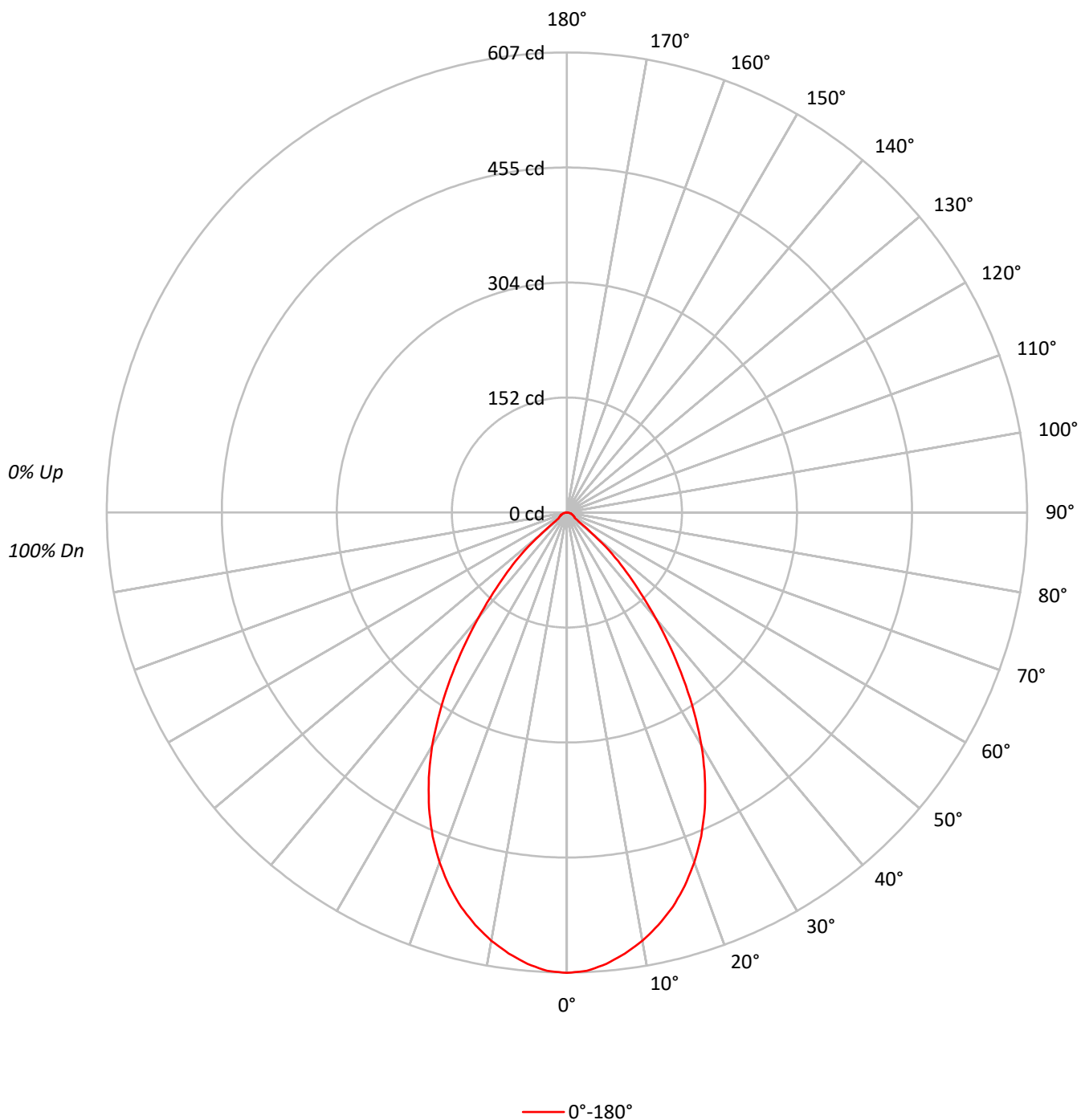
Lumens per Lamp: N/A
Luminaire Lumens: 687.9 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

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Luminous Intensity Polar Plot



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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	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133191
5°	131587
10°	127787
15°	122384
20°	114623
25°	104135
30°	89963
35°	71688
40°	52212
45°	34329
50°	16068
55°	4970
60°	4780
65°	4618
70°	4360
75°	4660
80°	4293
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34329 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	8.2
10°-20°	150.9	21.9
20°-30°	196.1	28.5
30°-40°	166.4	24.2
40°-50°	85.8	12.5
50°-60°	16.5	2.4
60°-70°	8.9	1.3
70°-80°	5.5	0.8
80°-90°	1.6	0.2
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°	403.2	58.6
0°-40°	569.6	82.8
0°-60°	671.9	97.7
0°-90°	687.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	687.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	607	
5°	598	56
15°	539	151
25°	430	196
35°	268	166
45°	111	86
55°	13	17
65°	9	9
75°	6	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	607.4
2.5°	605.3
5°	597.8
7.5°	586.9
10°	573.9
12.5°	557.5
15°	539.1
17.5°	516.5
20°	491.2
22.5°	462.6
25°	430.4
27.5°	394.2
30°	355.3
32.5°	312.2
35°	267.8
37.5°	224.1
40°	182.4
42.5°	143.5
45°	110.7
47.5°	81.3
50°	47.1
52.5°	20.5
55°	13.0
57.5°	12.3
60°	10.9
62.5°	10.2
65°	8.9
67.5°	8.2
70°	6.8
72.5°	6.1
75°	5.5
77.5°	4.1
80°	3.4
82.5°	2.0
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)