

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: P1248209

Luminaire Tested: P3AS02R559027DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248209
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: P3AS02R559027DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

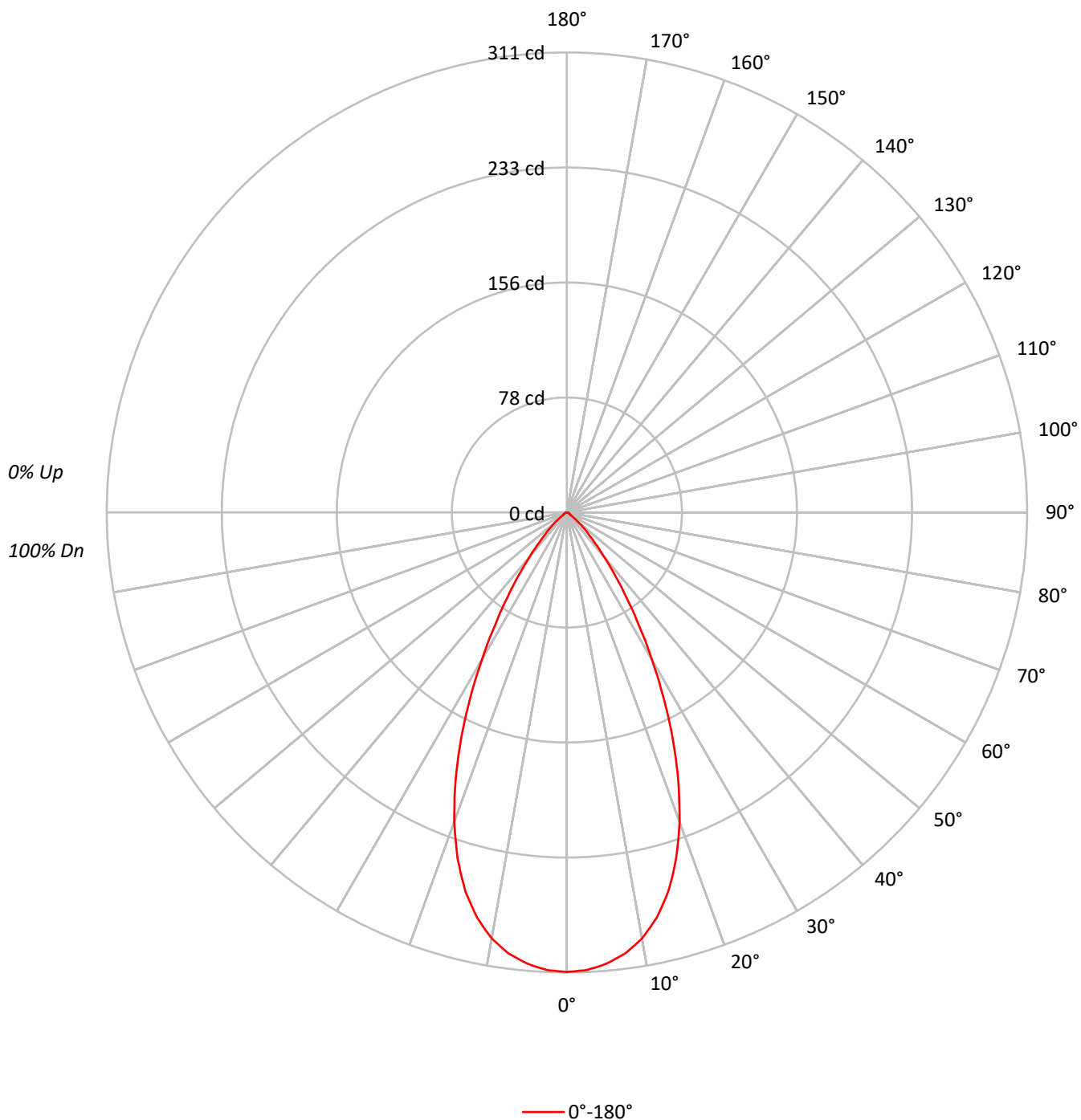
Lumens per Lamp: N/A
Luminaire Lumens: 248.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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°	68109
5°	67400
10°	65107
15°	60182
20°	51921
25°	41010
30°	29093
35°	18765
40°	11278
45°	6357
50°	3411
55°	1223
60°	1096
65°	1038
70°	1026
75°	932
80°	884
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	11.6
10°-20°	73.3	29.6
20°-30°	76.8	31.0
30°-40°	44.8	18.1
40°-50°	16.8	6.8
50°-60°	3.9	1.6
60°-70°	2.0	0.8
70°-80°	1.2	0.5
80°-90°	0.3	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°	178.9	72.1
0°-40°	223.7	90.2
0°-60°	244.4	98.6
0°-90°	248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	311	
5°	306	29
15°	265	73
25°	170	77
35°	70	45
45°	20	17
55°	3	4
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	310.6
2.5°	309.6
5°	306.2
7.5°	300.8
10°	292.4
12.5°	280.5
15°	265.1
17.5°	245.5
20°	222.5
22.5°	196.8
25°	169.5
27.5°	141.5
30°	114.9
32.5°	90.8
35°	70.1
37.5°	53.2
40°	39.4
42.5°	28.2
45°	20.5
47.5°	14.8
50°	10.0
52.5°	5.7
55°	3.2
57.5°	2.7
60°	2.5
62.5°	2.3
65°	2.0
67.5°	1.8
70°	1.6
72.5°	1.4
75°	1.1
77.5°	0.9
80°	0.7
82.5°	0.5
85°	0.2
87.5°	0.2
90°	0.0

(END OF REPORT)