

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: P1275860

Luminaire Tested: P3AS09R509835DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1275860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R509835DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

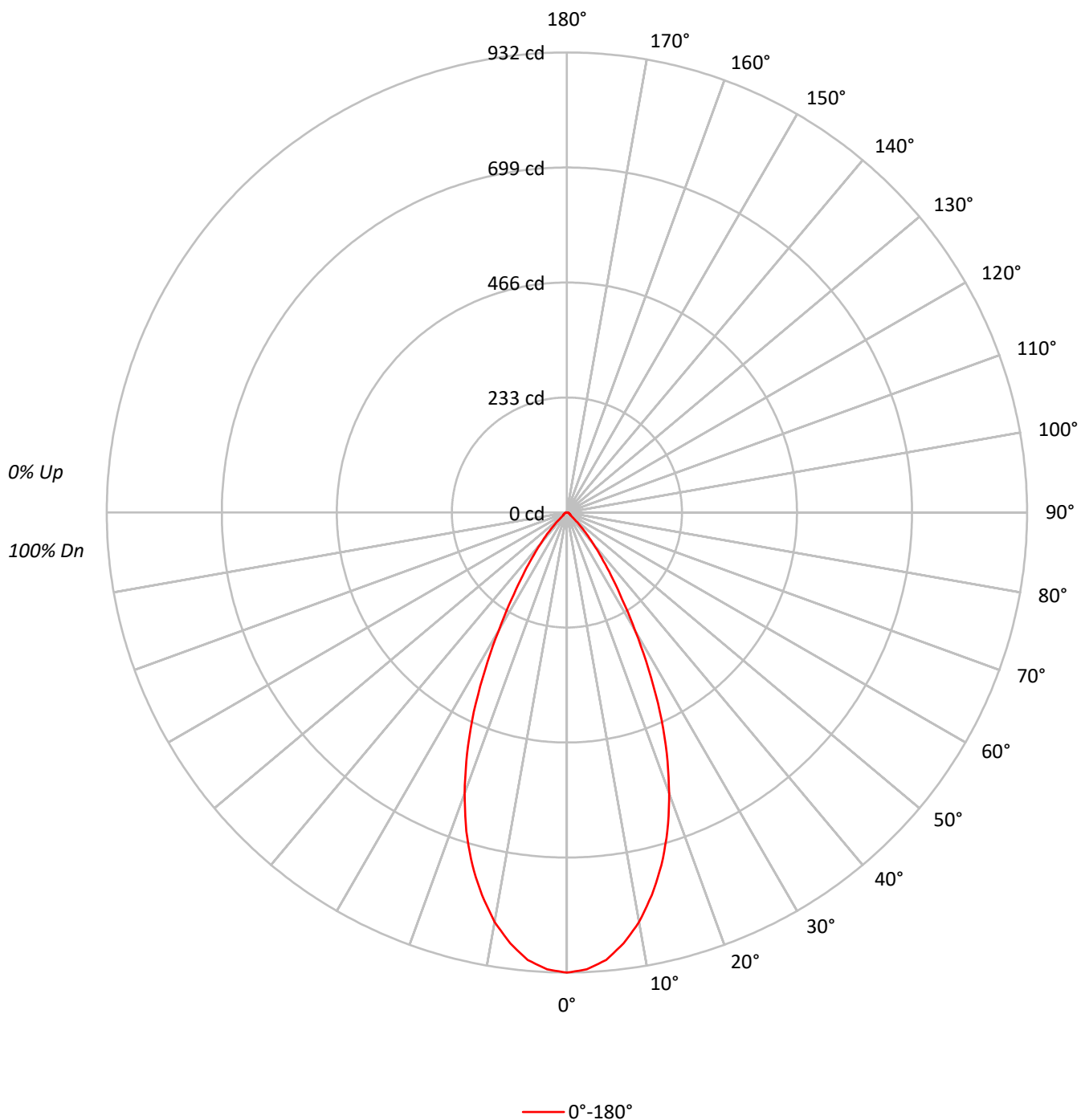
Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	204392
5°	200286
10°	187594
15°	167946
20°	141319
25°	107861
30°	70087
35°	41573
40°	24016
45°	12032
50°	4469
55°	3479
60°	3245
65°	2958
70°	2949
75°	2881
80°	2904
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12032 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	13.2
10°-20°	204.6	31.9
20°-30°	200.7	31.3
30°-40°	101.1	15.7
40°-50°	32.0	5.0
50°-60°	8.3	1.3
60°-70°	5.8	0.9
70°-80°	3.6	0.6
80°-90°	1.2	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°	489.9	76.3
0°-40°	591.0	92.1
0°-60°	631.3	98.3
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	910	85
15°	740	205
25°	446	201
35°	155	101
45°	39	32
55°	9	8
65°	6	6
75°	3	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	932.1
2.5°	926.4
5°	909.9
7.5°	880.2
10°	842.5
12.5°	794.0
15°	739.8
17.5°	677.0
20°	605.6
22.5°	528.6
25°	445.8
27.5°	357.9
30°	276.8
32.5°	208.3
35°	155.3
37.5°	114.7
40°	83.9
42.5°	59.4
45°	38.8
47.5°	22.3
50°	13.1
52.5°	9.7
55°	9.1
57.5°	8.0
60°	7.4
62.5°	6.8
65°	5.7
67.5°	5.1
70°	4.6
72.5°	4.0
75°	3.4
77.5°	2.9
80°	2.3
82.5°	1.7
85°	1.1
87.5°	0.6
90°	0.0

(END OF REPORT)