

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: P1255160

Luminaire Tested: P3AS17R509035DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255160
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: P3AS17R509035DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

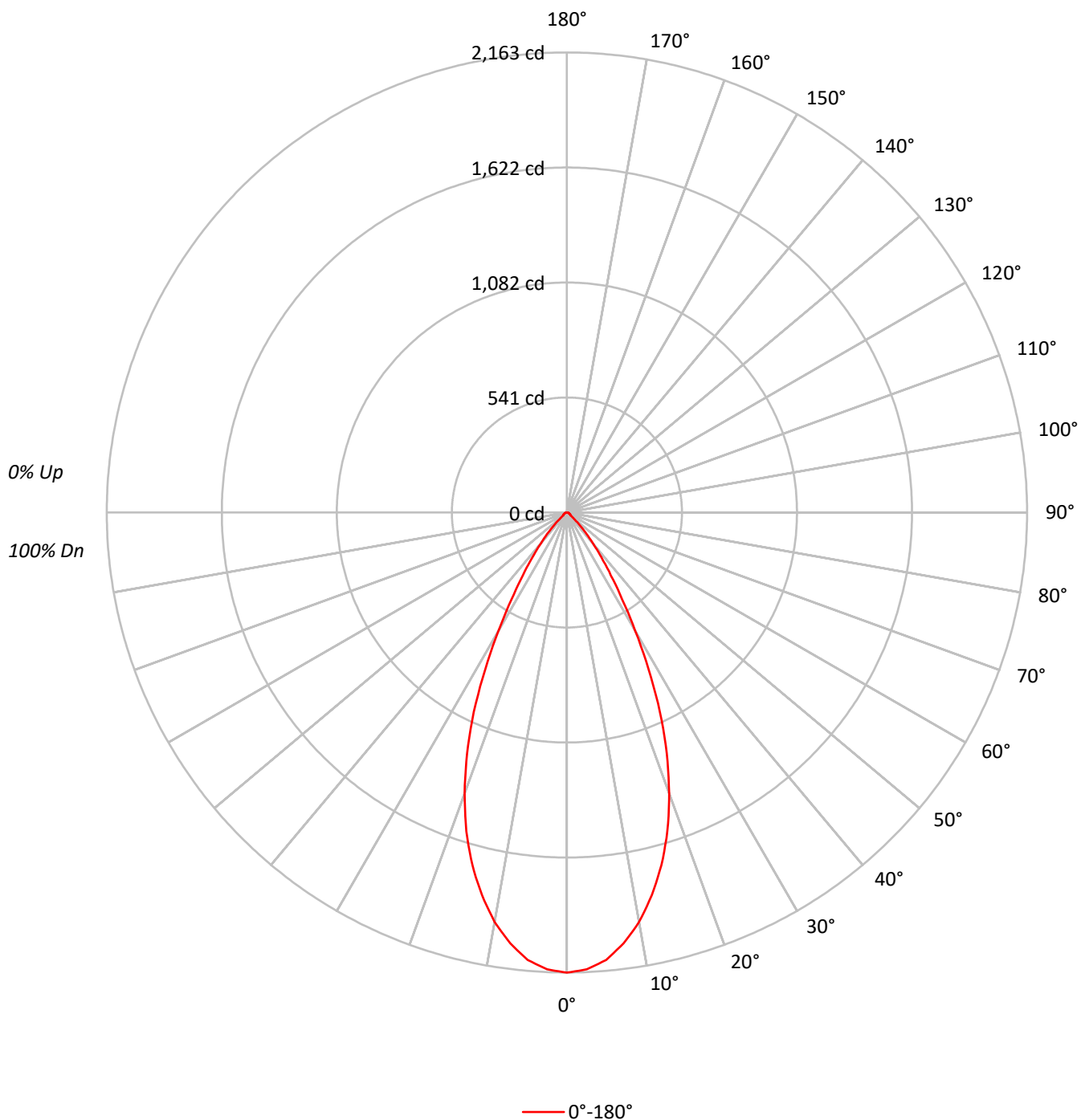
Lumens per Lamp: N/A
Luminaire Lumens: 1489.9 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95			94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78			76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73			72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69			67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65			64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58			57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	474392
5°	464824
10°	435396
15°	389764
20°	328002
25°	250345
30°	162683
35°	96450
40°	55733
45°	27941
50°	10405
55°	8105
60°	7543
65°	6849
70°	6796
75°	6693
80°	6693
85°	6542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	13.2
10°-20°	474.8	31.9
20°-30°	465.8	31.3
30°-40°	234.7	15.7
40°-50°	74.2	5.0
50°-60°	19.2	1.3
60°-70°	13.6	0.9
70°-80°	8.4	0.6
80°-90°	2.9	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°	1137.1	76.3
0°-40°	1371.7	92.1
0°-60°	1465.1	98.3
0°-90°	1489.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1489.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2163	
5°	2112	196
15°	1717	475
25°	1035	466
35°	360	235
45°	90	74
55°	21	19
65°	13	14
75°	8	8
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2163.4
2.5°	2150.1
5°	2111.7
7.5°	2042.8
10°	1955.4
12.5°	1842.8
15°	1716.9
17.5°	1571.2
20°	1405.6
22.5°	1226.8
25°	1034.7
27.5°	830.6
30°	642.5
32.5°	483.5
35°	360.3
37.5°	266.3
40°	194.7
42.5°	137.8
45°	90.1
47.5°	51.7
50°	30.5
52.5°	22.5
55°	21.2
57.5°	18.5
60°	17.2
62.5°	15.9
65°	13.2
67.5°	11.9
70°	10.6
72.5°	9.3
75°	7.9
77.5°	6.6
80°	5.3
82.5°	4.0
85°	2.6
87.5°	1.3
90°	0.0

(END OF REPORT)