

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: P1252453

Luminaire Tested: P3AS17R509030DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252453
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: P3AS17R509030DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

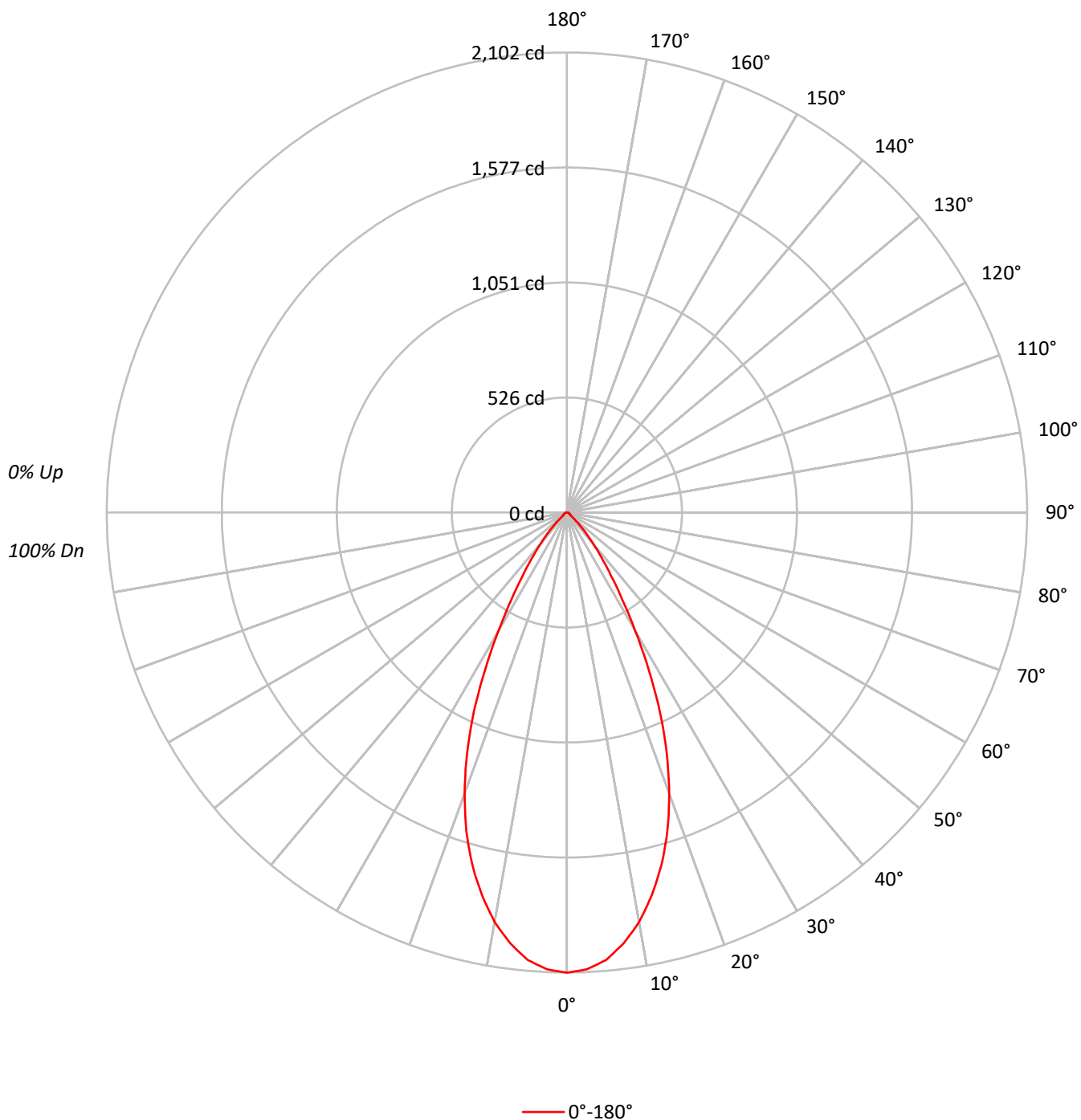
Lumens per Lamp: N/A
Luminaire Lumens: 1448.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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°	461016
5°	451727
10°	423127
15°	378776
20°	318761
25°	243280
30°	158100
35°	93746
40°	54187
45°	27135
50°	10098
55°	7875
60°	7324
65°	6693
70°	6604
75°	6524
80°	6440
85°	6542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	13.2
10°-20°	461.4	31.9
20°-30°	452.7	31.3
30°-40°	228.1	15.8
40°-50°	72.1	5.0
50°-60°	18.7	1.3
60°-70°	13.2	0.9
70°-80°	8.1	0.6
80°-90°	2.8	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°	1105.0	76.3
0°-40°	1333.1	92.1
0°-60°	1423.8	98.3
0°-90°	1448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1448.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2102	
5°	2052	191
15°	1668	461
25°	1006	453
35°	350	228
45°	88	72
55°	21	19
65°	13	13
75°	8	8
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2102.4
2.5°	2089.5
5°	2052.2
7.5°	1985.2
10°	1900.3
12.5°	1790.8
15°	1668.5
17.5°	1526.9
20°	1366.0
22.5°	1192.2
25°	1005.5
27.5°	807.2
30°	624.4
32.5°	469.9
35°	350.2
37.5°	258.8
40°	189.3
42.5°	133.9
45°	87.5
47.5°	50.2
50°	29.6
52.5°	21.9
55°	20.6
57.5°	18.0
60°	16.7
62.5°	15.4
65°	12.9
67.5°	11.6
70°	10.3
72.5°	9.0
75°	7.7
77.5°	6.4
80°	5.1
82.5°	3.9
85°	2.6
87.5°	1.3
90°	0.0

(END OF REPORT)