

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: P1249739

Luminaire Tested: P3AS17R509027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

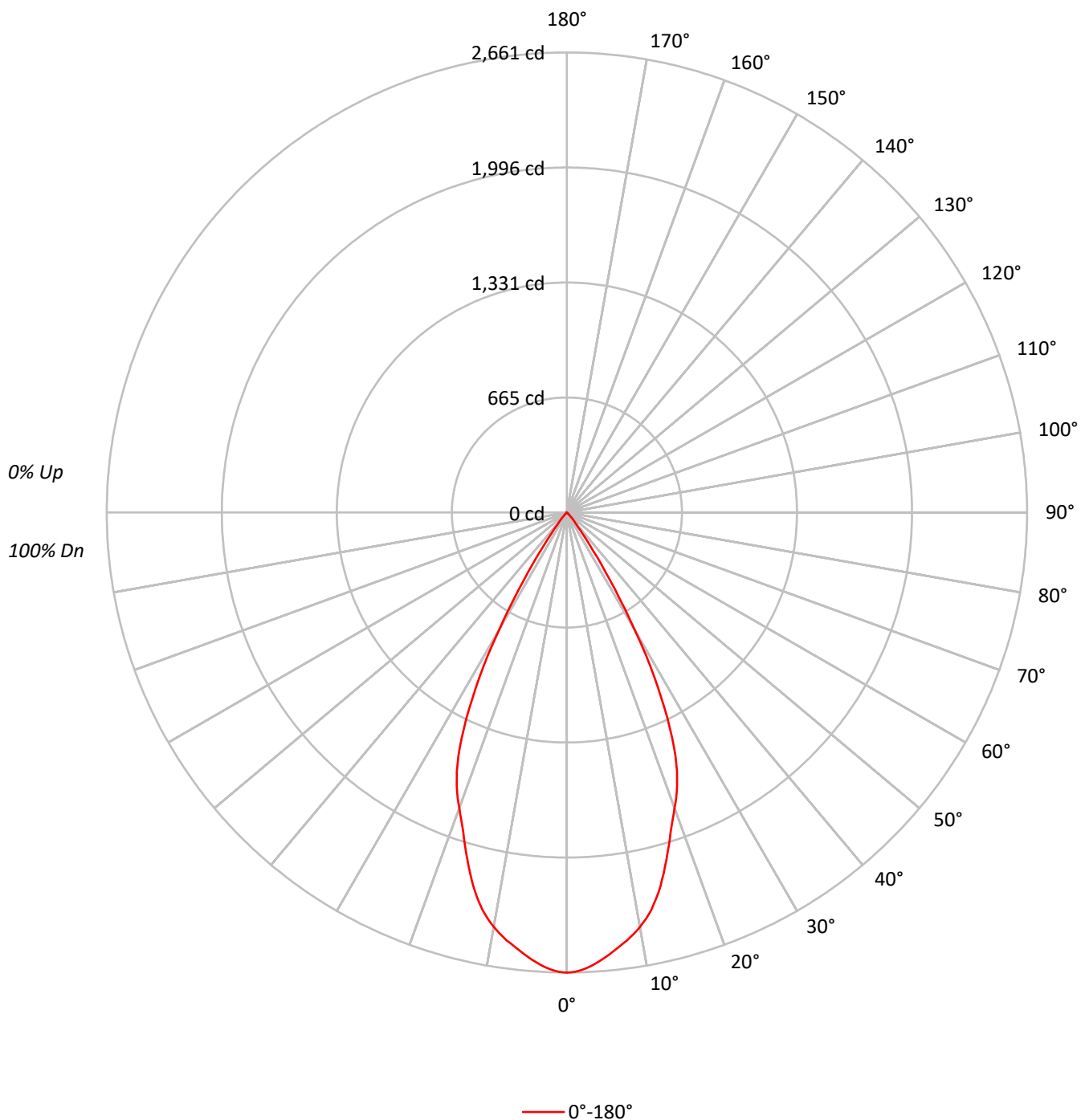
Lumens per Lamp: N/A
Luminaire Lumens: 1670.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	583594
5°	568059
10°	542096
15°	490763
20°	424587
25°	348262
30°	200056
35°	62131
40°	16688
45°	5861
50°	1399
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.7	14.5
10°-20°	599.0	35.9
20°-30°	629.6	37.7
30°-40°	180.2	10.8
40°-50°	17.6	1.1
50°-60°	1.4	0.1
60°-70°	0.5	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1470.3	88.0
0°-40°	1650.5	98.8
0°-60°	1669.5	100.0
0°-90°	1670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2661	
5°	2581	242
15°	2162	599
25°	1439	630
35°	232	180
45°	19	18
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2661.4
1°	2657.3
2°	2645.5
3°	2628.4
4°	2605.4
5°	2580.7
6°	2554.2
7°	2525.9
8°	2499.4
9°	2468.8
10°	2434.6
11°	2395.1
12°	2349.7
13°	2293.2
14°	2231.9
15°	2161.8
16°	2087.5
17°	2015.7
18°	1942.0
19°	1877.2
20°	1819.5
21°	1764.1
22°	1701.0
23°	1628.6
24°	1543.7
25°	1439.4
26°	1326.3
27°	1200.2
28°	1074.7
29°	939.2
30°	790.1
31°	650.5
32°	522.0
32.5°	466.1
33°	409.5
34°	314.0
35°	232.1
36°	170.3
37°	126.7
37.5°	109.6
38°	94.9
39°	73.7
40°	58.3
42.5°	33.0
45°	18.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.6
50°	4.1
52.5°	1.8
55°	1.2
57.5°	1.2
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)