

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: P1257312

Luminaire Tested: P3AS13R209040DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R209040DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

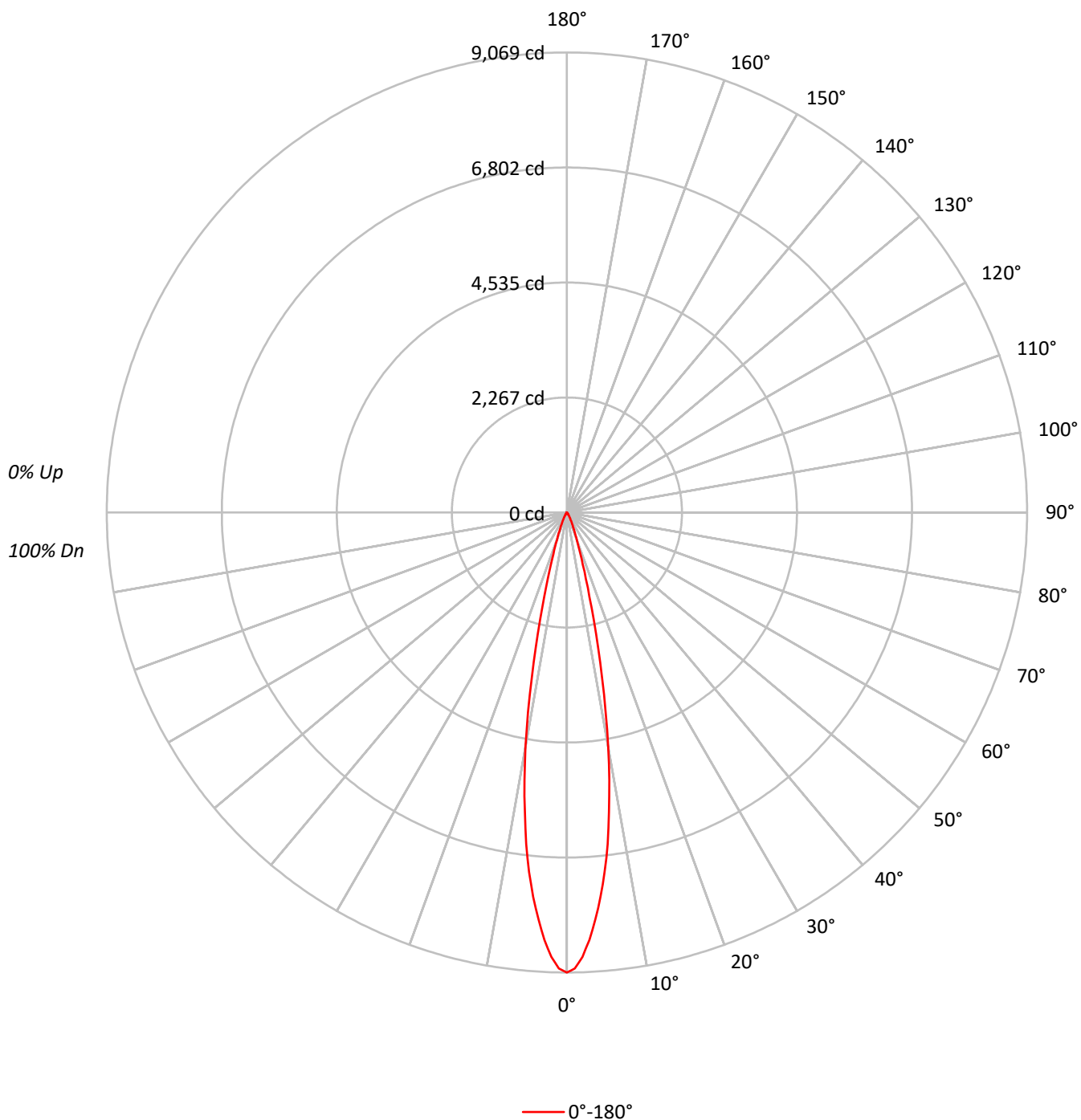
Lumens per Lamp: N/A
Luminaire Lumens: 1311.0 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	114	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104		110	107	105	103		104	102	101		101	100	98		99	98	96
3	109	105	102	99		107	104	101	98		101	99	97		99	97	95		97	95	94
4	106	101	98	95		105	100	97	95		99	96	94		97	95	93		95	93	92
5	104	98	95	92		102	98	94	92		96	93	91		95	92	90		93	91	90
6	101	96	92	89		100	95	92	89		94	91	89		93	90	88		92	89	88
7	99	93	90	87		98	93	89	87		92	89	86		91	88	86		90	87	86
8	97	91	87	85		96	91	87	85		90	87	85		89	86	84		88	86	84
9	95	89	85	83		94	89	85	83		88	85	83		87	84	83		87	84	82
10	93	87	84	81		92	87	83	81		86	83	81		86	83	81		85	83	81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1988678
5°	1674374
10°	1045806
15°	390990
20°	134202
25°	55939
30°	26358
35°	11805
40°	5582
45°	2853
50°	1058
55°	191
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.6	48.3
10°-20°	521.0	39.7
20°-30°	118.4	9.0
30°-40°	30.2	2.3
40°-50°	7.6	0.6
50°-60°	0.9	0.1
60°-70°	0.3	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°	1272.0	97.0
0°-40°	1302.2	99.3
0°-60°	1310.7	100.0
0°-90°	1311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9069	
5°	7607	633
15°	1722	521
25°	231	118
35°	44	30
45°	9	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9069.1
1°	8992.2
2°	8765.7
3°	8440.7
4°	8041.9
5°	7606.7
6°	7121.8
7°	6586.7
8°	5962.4
9°	5343.7
10°	4696.8
11°	4008.4
12°	3321.0
13°	2738.7
14°	2182.1
15°	1722.3
16°	1359.4
17°	1072.3
18°	861.7
19°	700.7
20°	575.1
21°	480.8
22°	401.4
23°	333.7
24°	278.3
25°	231.2
27.5°	151.2
30°	104.1
32.5°	64.1
35°	44.1
37.5°	28.2
40°	19.5
42.5°	13.3
45°	9.2
47.5°	6.2
50°	3.1
52.5°	1.5
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.0
70°	0.0
72.5°	0.0

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CANDELA DISTRIBUTION (continued):

	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)