

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: P1274271

Luminaire Tested: P3A17R159830DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R159830DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

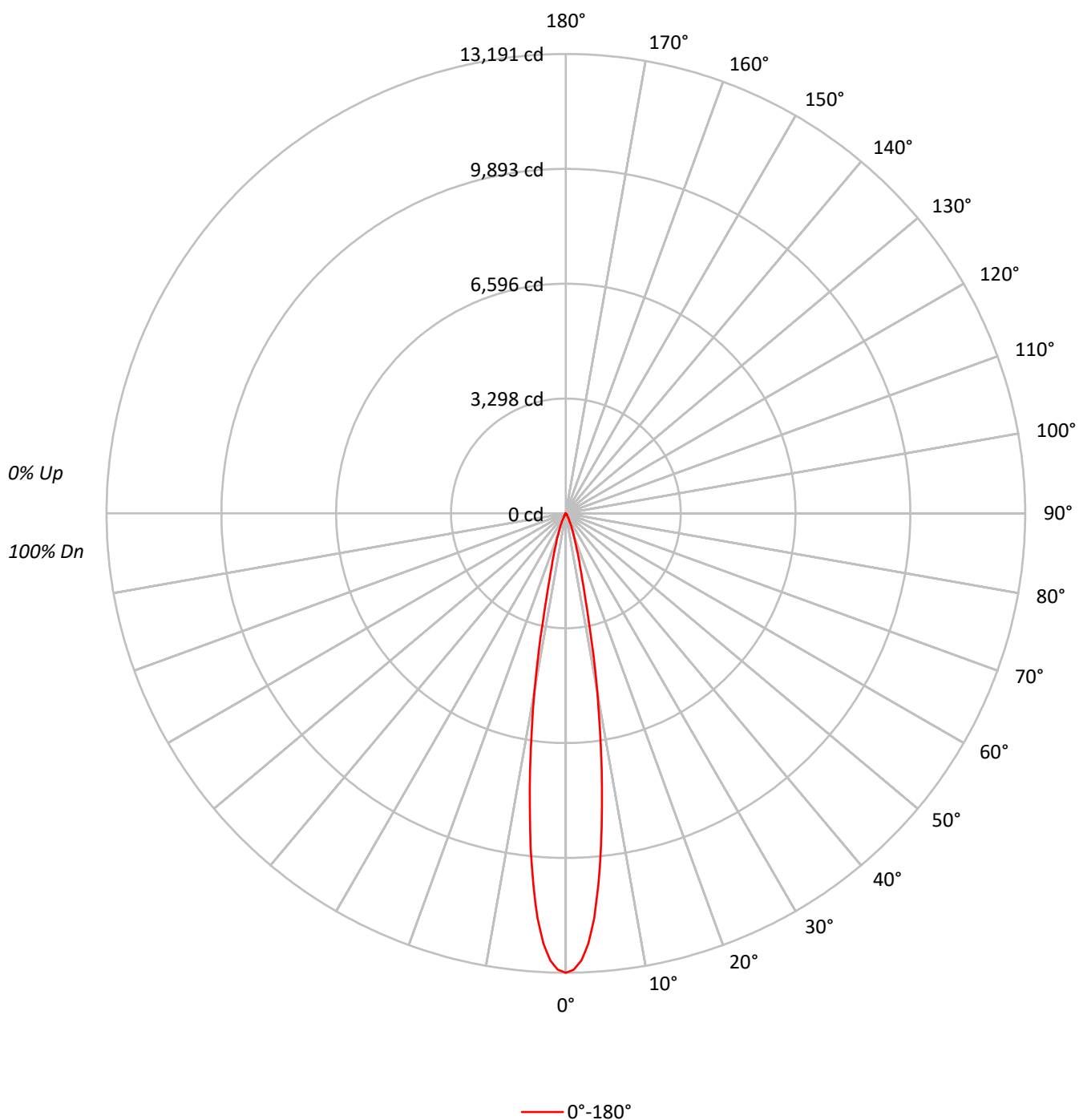
Lumens per Lamp: N/A
Luminaire Lumens: 1519.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98		
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	102	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94		
4	107	102	99	96	105	101	98	96	99	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	103	99	96	93	97	94	92	96	93	92	94	93	91	90		
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88		
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87		
8	98	93	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85		
9	96	91	88	85	96	91	87	85	90	87	85	89	87	85	88	86	85	84		
10	95	89	86	84	94	89	86	84	88	85	83	88	85	83	87	85	83	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2892575
5°	2358700
10°	1155156
15°	353578
20°	149720
25°	67722
30°	26409
35°	12180
40°	3779
45°	1427
50°	580
55°	229
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.1	54.9
10°-20°	511.8	33.7
20°-30°	137.5	9.1
30°-40°	30.3	2.0
40°-50°	4.2	0.3
50°-60°	0.8	0.1
60°-70°	0.4	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°	1483.4	97.7
0°-40°	1513.6	99.6
0°-60°	1518.7	100.0
0°-90°	1519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13191	
5°	10716	834
15°	1558	512
25°	280	137
35°	46	30
45°	5	4
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13191.2
1°	13108.8
2°	12844.4
3°	12368.1
4°	11651.0
5°	10715.6
6°	9657.5
7°	8479.0
8°	7396.2
9°	6248.3
10°	5187.9
11°	4138.4
12°	3184.0
13°	2449.1
14°	1938.8
15°	1557.5
17.5°	965.3
20°	641.6
22.5°	432.0
25°	279.9
27.5°	165.9
30°	104.3
32.5°	70.3
35°	45.5
37.5°	25.3
40°	13.2
42.5°	7.5
45°	4.6
47.5°	2.9
50°	1.7
52.5°	1.2
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)