

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: P1271857

Luminaire Tested: P3AS13R159827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271857
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: P3AS13R159827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

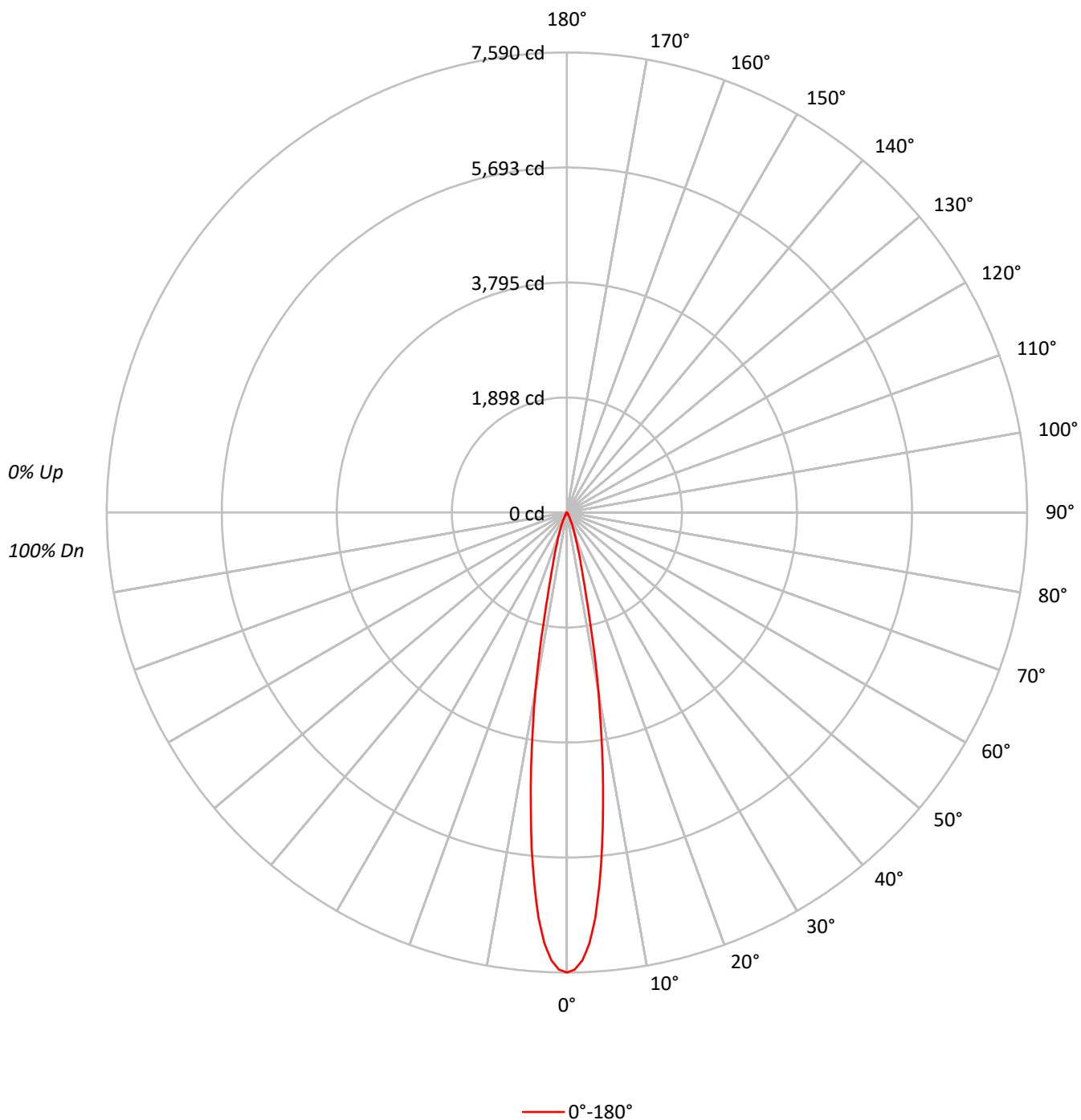
Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111		113	112	110	109		108	107	105		104	103	102		101	100	99
2	112	109	107	105		110	108	105	103		105	103	101		102	100	99		99	98	97
3	110	106	102	100		108	104	102	99		102	100	98		100	98	96		98	96	95
4	107	102	99	96		106	101	98	96		99	97	95		98	96	94		96	94	93
5	105	100	96	94		103	99	96	93		97	94	92		96	93	92		94	93	91
6	102	97	94	91		101	96	93	91		95	92	90		94	92	90		93	91	89
7	100	95	91	89		99	94	91	89		93	90	88		92	90	88		91	89	88
8	98	93	89	87		97	92	89	87		91	89	87		91	88	86		90	88	86
9	96	91	88	85		96	91	87	85		90	87	85		89	87	85		89	86	85
10	95	89	86	84		94	89	86	84		88	85	83		88	85	83		87	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1664318
5°	1357139
10°	664650
15°	203429
20°	86154
25°	38978
30°	15192
35°	7014
40°	2176
45°	837
50°	341
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.9	54.9
10°-20°	294.5	33.7
20°-30°	79.1	9.1
30°-40°	17.4	2.0
40°-50°	2.5	0.3
50°-60°	0.4	0.0
60°-70°	0.2	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°	853.5	97.7
0°-40°	870.9	99.6
0°-60°	873.8	100.0
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7590	
5°	6166	480
15°	896	294
25°	161	79
35°	26	17
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7589.9
1°	7542.5
2°	7390.4
3°	7116.3
4°	6703.7
5°	6165.5
6°	5556.7
7°	4878.7
8°	4255.6
9°	3595.1
10°	2985.0
11°	2381.2
12°	1832.0
13°	1409.1
14°	1115.5
15°	896.1
17.5°	555.4
20°	369.2
22.5°	248.6
25°	161.1
27.5°	95.4
30°	60.0
32.5°	40.4
35°	26.2
37.5°	14.6
40°	7.6
42.5°	4.3
45°	2.7
47.5°	1.7
50°	1.0
52.5°	0.7
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
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)