

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: P1249157

Luminaire Tested: P3AS13R159027DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R159027DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

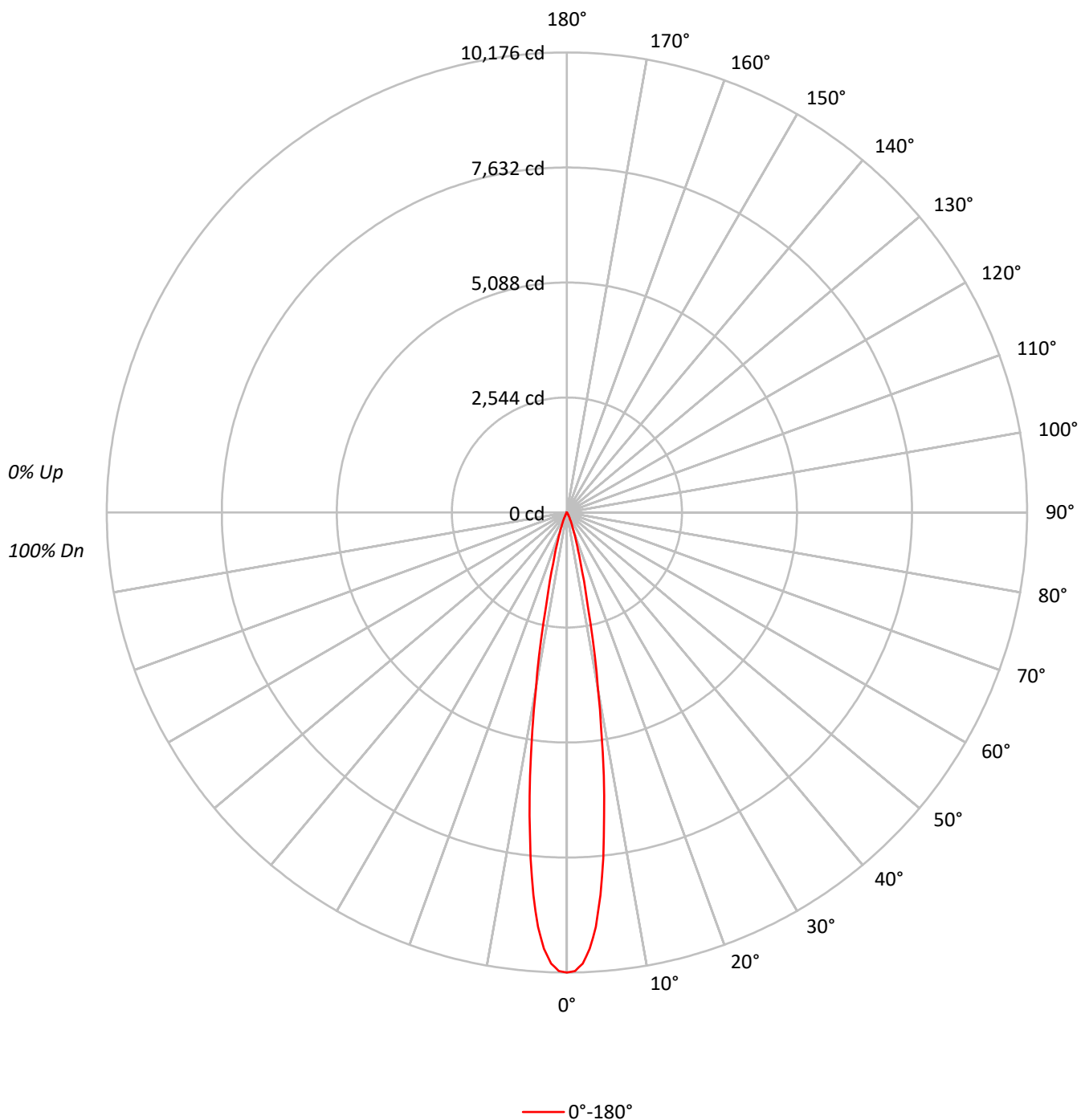
Lumens per Lamp: N/A
Luminaire Lumens: 1148.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2231444
5°	1870169
10°	880923
15°	265586
20°	98265
25°	38204
30°	14255
35°	4363
40°	1546
45°	837
50°	614
55°	688
60°	789
65°	467
70°	577
75°	763
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°	656.8	57.2
10°-20°	390.4	34.0
20°-30°	82.0	7.1
30°-40°	13.2	1.2
40°-50°	2.2	0.2
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	1129.3	98.4
0°-40°	1142.5	99.5
0°-60°	1146.4	99.9
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10176	
5°	8496	657
15°	1170	390
25°	158	82
35°	16	13
45°	3	2
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10176.2
1°	10144.4
2°	9982.8
3°	9659.7
4°	9186.0
5°	8496.2
6°	7685.7
7°	6759.0
8°	5874.1
9°	4872.1
10°	3956.3
12.5°	2134.7
15°	1169.9
17.5°	685.2
20°	421.1
22.5°	257.8
25°	157.9
27.5°	95.3
30°	56.3
32.5°	31.8
35°	16.3
37.5°	9.1
40°	5.4
42.5°	3.6
45°	2.7
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)