

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: P1252243

Luminaire Tested: P3AS17R159030DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252243
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: P3AS17R159030DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

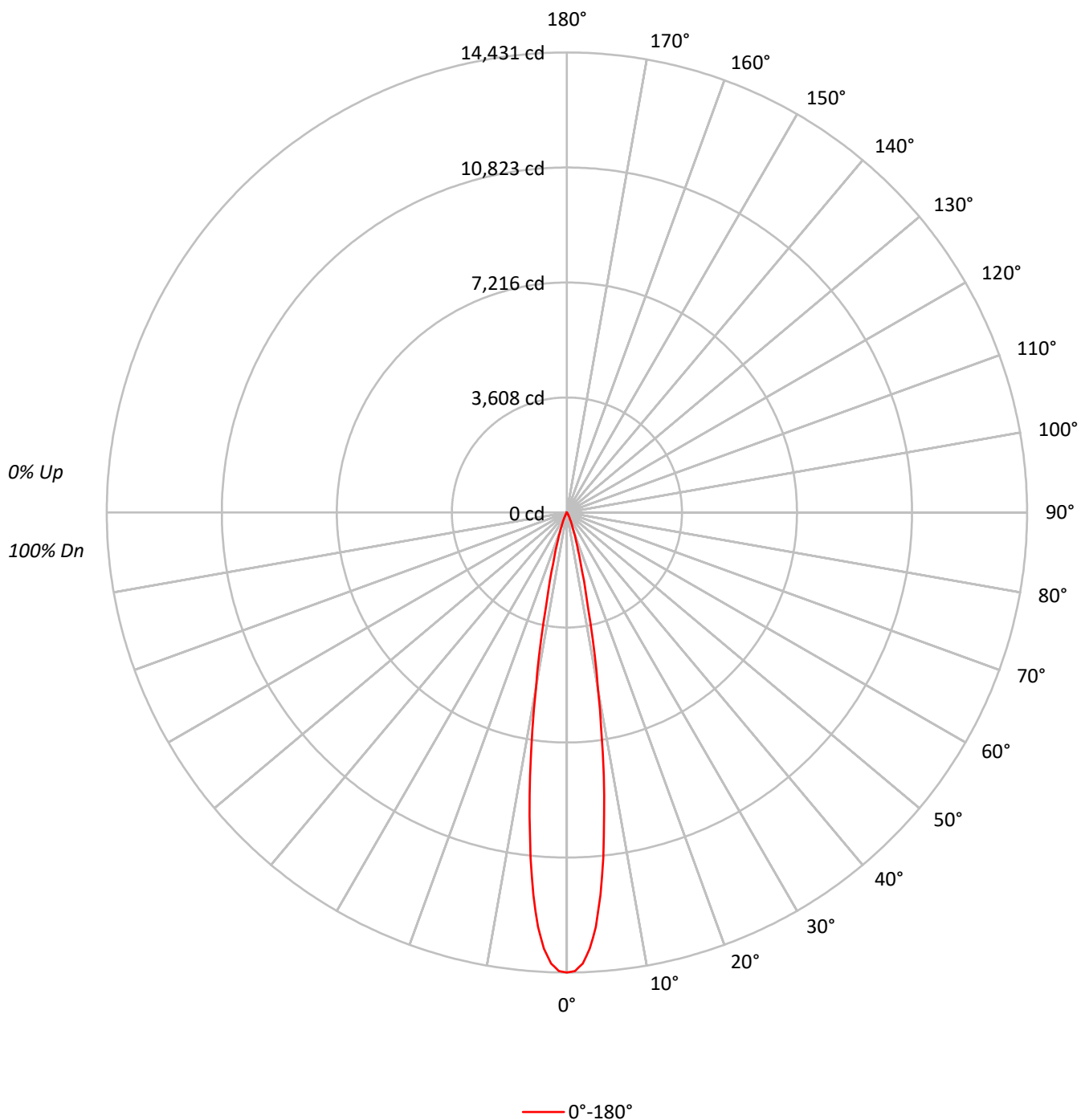
Lumens per Lamp: N/A
Luminaire Lumens: 1628.1 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3164439
5°	2652117
10°	1249253
15°	376642
20°	139359
25°	54197
30°	20206
35°	6210
40°	2204
45°	1209
50°	887
55°	994
60°	1140
65°	675
70°	833
75°	1101
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1209 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.5	57.2
10°-20°	553.7	34.0
20°-30°	116.3	7.1
30°-40°	18.8	1.2
40°-50°	3.2	0.2
50°-60°	2.3	0.1
60°-70°	1.4	0.1
70°-80°	0.9	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°	1601.5	98.4
0°-40°	1620.2	99.5
0°-60°	1625.8	99.9
0°-90°	1628.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1628.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14431	
5°	12049	931
15°	1659	554
25°	224	116
35°	23	19
45°	4	3
55°	3	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14431.0
1°	14386.0
2°	14156.9
3°	13698.7
4°	13026.8
5°	12048.6
6°	10899.2
7°	9585.1
8°	8330.1
9°	6909.2
10°	5610.5
12.5°	3027.3
15°	1659.1
17.5°	971.8
20°	597.2
22.5°	365.5
25°	224.0
27.5°	135.1
30°	79.8
32.5°	45.0
35°	23.2
37.5°	12.9
40°	7.7
42.5°	5.1
45°	3.9
47.5°	2.6
50°	2.6
52.5°	2.6
55°	2.6
57.5°	2.6
60°	2.6
62.5°	1.3
65°	1.3
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)