

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: P1270070

Luminaire Tested: P3A17R159740DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270070
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: P3A17R159740DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

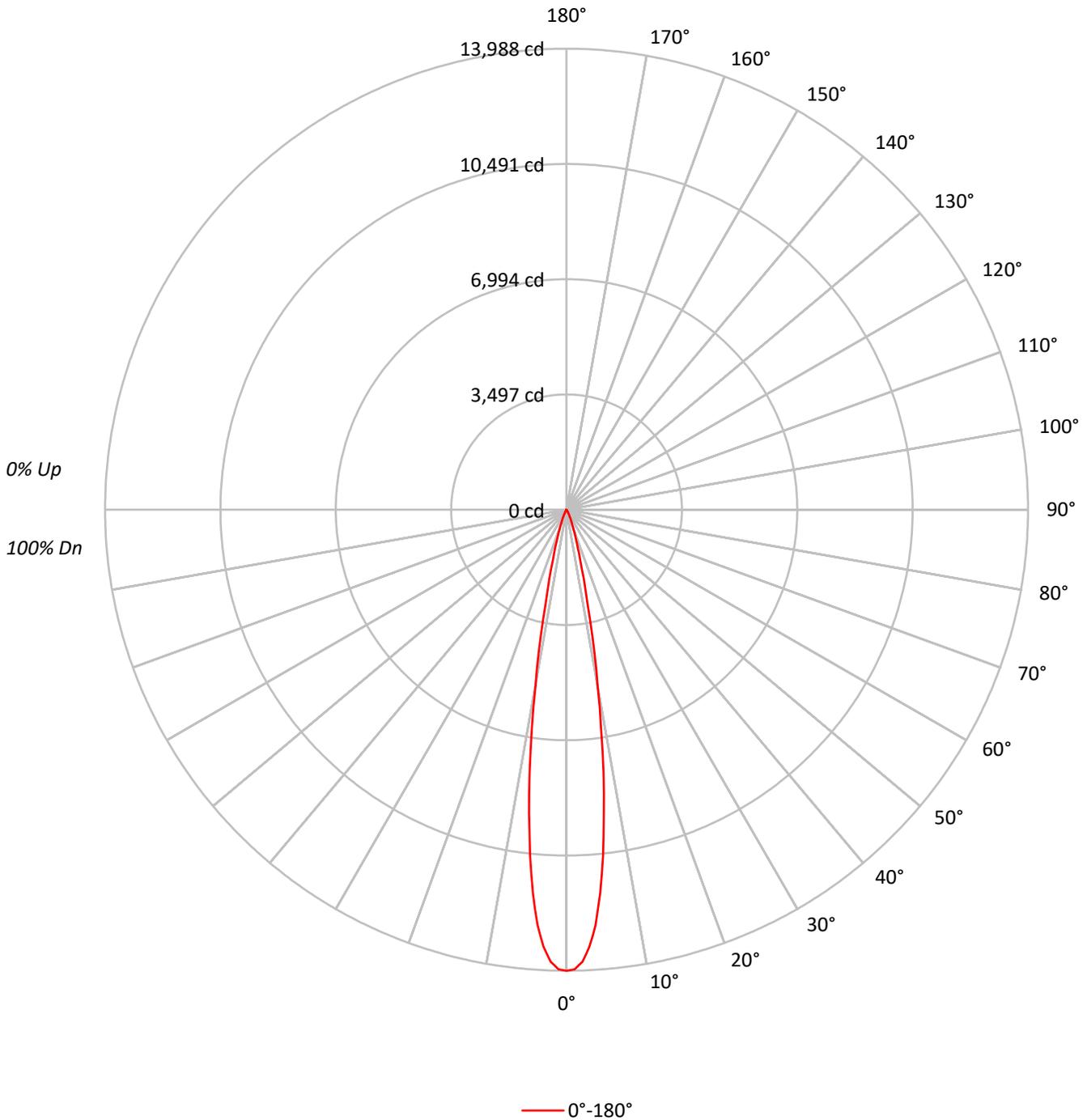
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1577.9 lumens
Efficiency: N/A
Efficacy: 74.4 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	94	94	94	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	92	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91	91	91	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	89	89	89	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	86	86	86	86
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	85	85	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	84	84	84	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3067254
5°	2570651
10°	1210888
15°	365065
20°	135088
25°	52527
30°	19573
35°	6023
40°	2147
45°	1147
50°	853
55°	956
60°	1096
65°	623
70°	769
75°	1017
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1147 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	902.9	57.2
10°-20°	536.7	34.0
20°-30°	112.7	7.1
30°-40°	18.2	1.2
40°-50°	3.1	0.2
50°-60°	2.2	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1552.3	98.4
0°-40°	1570.5	99.5
0°-60°	1575.8	99.9
0°-90°	1577.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13988	
5°	11678	903
15°	1608	537
25°	217	113
35°	22	18
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13987.8
1°	13944.1
2°	13722.1
3°	13277.9
4°	12626.7
5°	11678.5
6°	10564.5
7°	9290.7
8°	8074.3
9°	6697.0
10°	5438.2
12.5°	2934.3
15°	1608.1
17.5°	941.9
20°	578.9
22.5°	354.3
25°	217.1
27.5°	131.0
30°	77.3
32.5°	43.7
35°	22.5
37.5°	12.5
40°	7.5
42.5°	5.0
45°	3.7
47.5°	2.5
50°	2.5
52.5°	2.5
55°	2.5
57.5°	2.5
60°	2.5
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)