

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: P1270222

Luminaire Tested: P3A17R409740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R409740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

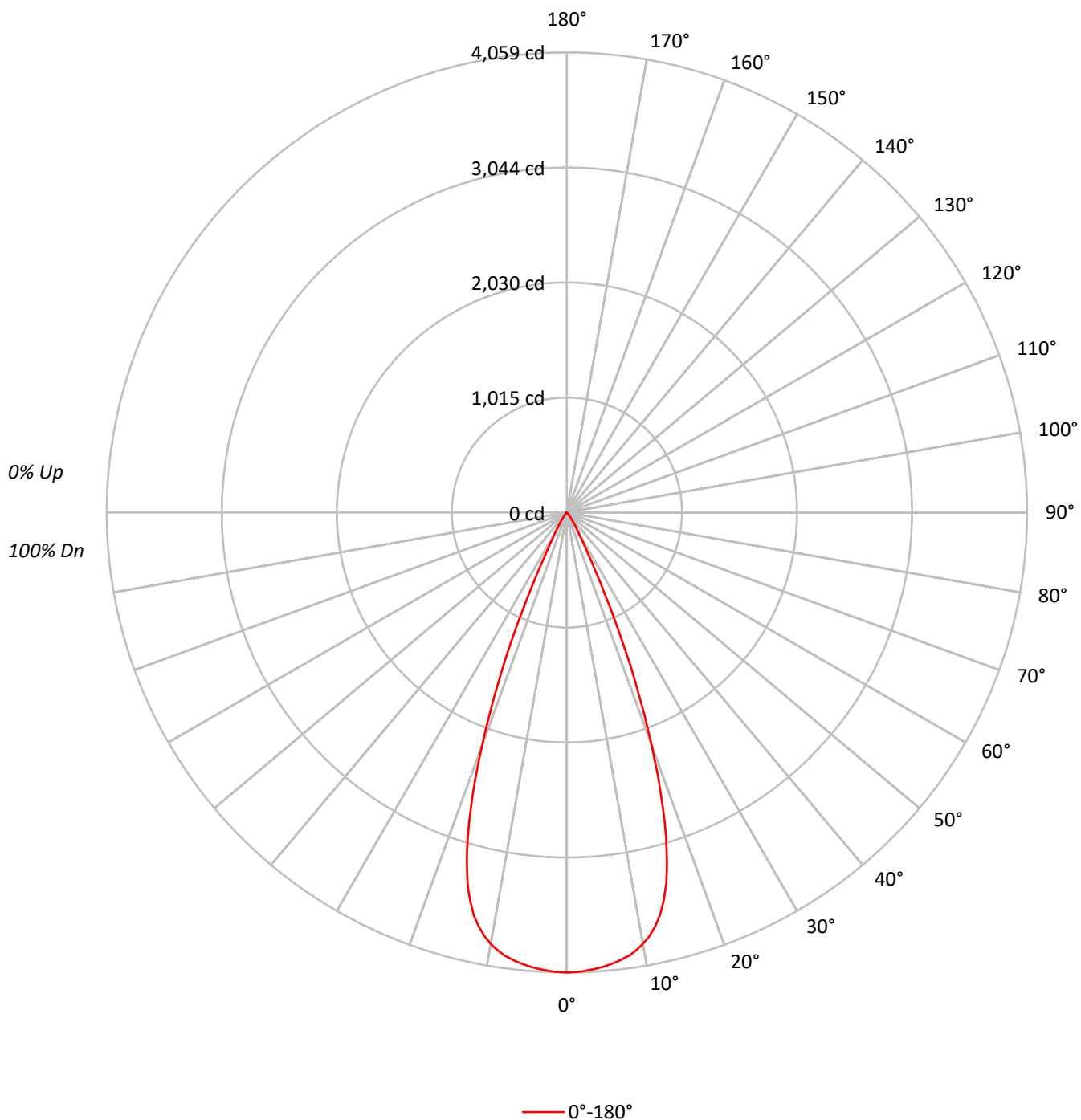
Lumens per Lamp: N/A
Luminaire Lumens: 1746.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	889973
5°	883555
10°	860416
15°	768586
20°	509644
25°	190922
30°	51071
35°	19970
40°	7185
45°	3411
50°	1058
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3411 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.8	21.7
10°-20°	897.1	51.4
20°-30°	406.8	23.3
30°-40°	52.7	3.0
40°-50°	9.1	0.5
50°-60°	1.1	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°	1682.7	96.4
0°-40°	1735.4	99.4
0°-60°	1745.6	100.0
0°-90°	1746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1746.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4059	
5°	4014	379
15°	3386	897
25°	789	407
35°	75	53
45°	11	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4058.6
1°	4056.2
2°	4050.1
3°	4040.9
4°	4029.3
5°	4014.0
6°	3996.3
7°	3974.3
8°	3947.4
9°	3910.7
10°	3864.2
11°	3809.8
12°	3737.1
13°	3647.3
14°	3529.9
15°	3385.6
16°	3201.7
17°	2992.0
18°	2740.2
19°	2474.3
20°	2184.0
21°	1893.6
22°	1607.6
23°	1322.7
24°	1042.8
25°	789.1
26°	584.3
27°	427.9
28°	321.5
29°	250.0
30°	201.7
31°	166.9
32°	139.4
32.5°	127.1
33°	114.9
34°	93.5
35°	74.6
36°	58.7
37°	46.5
37.5°	41.6
38°	36.7
39°	30.6
40°	25.1
42.5°	16.5
45°	11.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.7
50°	3.1
52.5°	1.2
55°	1.2
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
90°	0.0

(END OF REPORT)