

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: P1268847

Luminaire Tested: P3A02R709740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R709740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

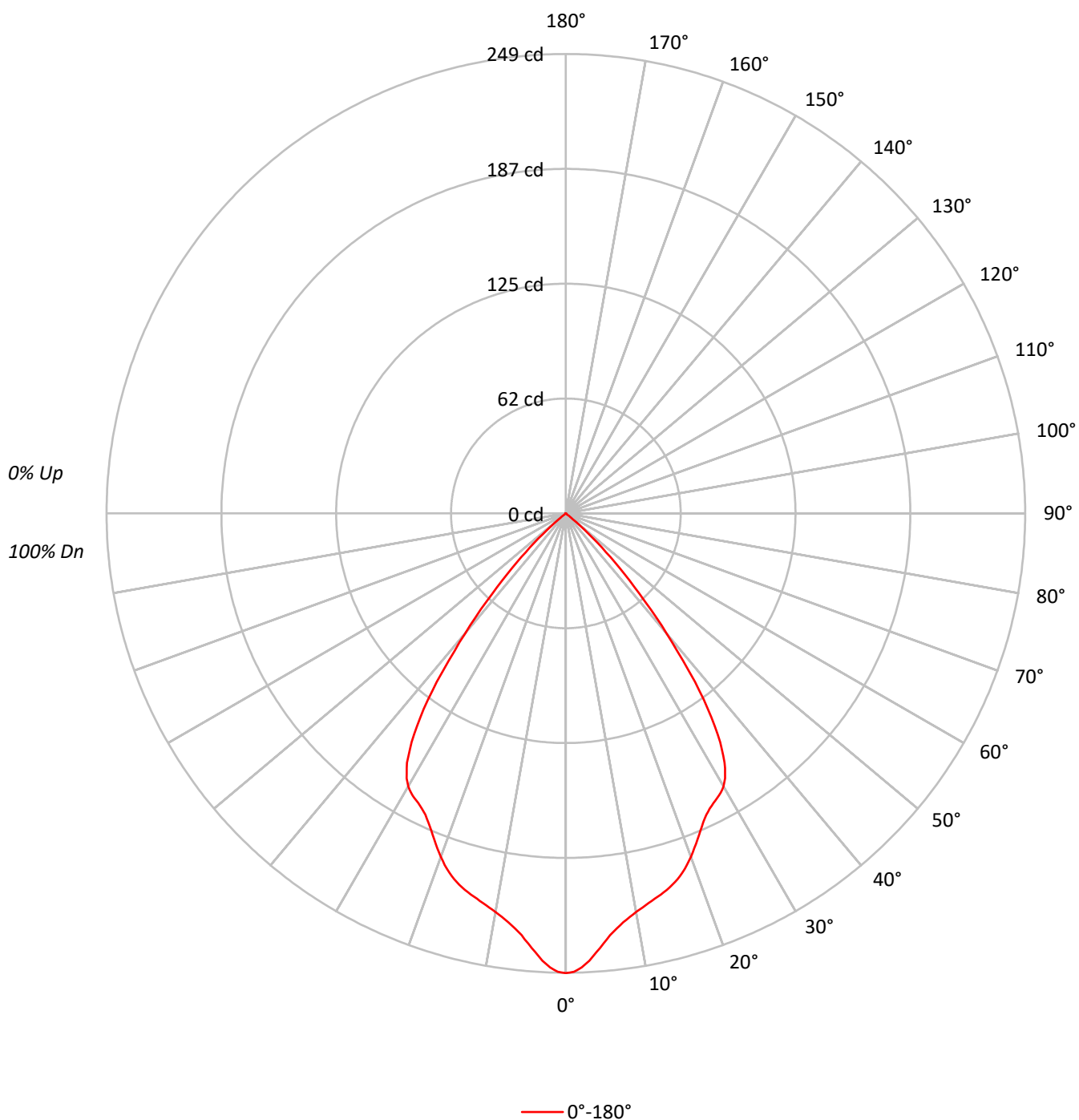
Lumens per Lamp: N/A
Luminaire Lumens: 280.9 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	82	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54645
5°	51530
10°	48852
15°	47968
20°	46251
25°	43599
30°	43272
35°	37691
40°	24389
45°	11536
50°	1603
55°	115
60°	88
65°	104
70°	64
75°	85
80°	126
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	7.8
10°-20°	59.3	21.1
20°-30°	83.9	29.9
30°-40°	84.4	30.0
40°-50°	30.4	10.8
50°-60°	0.8	0.3
60°-70°	0.2	0.1
70°-80°	0.1	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°	165.1	58.8
0°-40°	249.5	88.8
0°-60°	280.7	99.9
0°-90°	280.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	249	
5°	234	22
15°	211	59
25°	180	84
35°	141	84
45°	37	30
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	249.2
1°	248.5
2°	246.3
3°	242.8
4°	238.4
5°	234.1
6°	229.9
7°	226.7
8°	223.8
9°	221.5
10°	219.4
11°	217.7
12°	216.0
13°	214.4
14°	212.9
15°	211.3
16°	209.4
17°	207.3
18°	204.7
19°	201.6
20°	198.2
21°	194.4
22°	190.5
23°	186.8
24°	183.3
25°	180.2
26°	178.0
27°	176.2
28°	174.8
29°	173.2
30°	170.9
31°	167.6
32°	162.8
32.5°	160.2
33°	156.6
34°	149.6
35°	140.8
36°	131.1
37°	120.1
37.5°	115.1
38°	108.1
39°	95.8
40°	85.2
42.5°	59.0
45°	37.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	20.0
50°	4.7
52.5°	0.6
55°	0.3
57.5°	0.3
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.1
70°	0.1
72.5°	0.1
75°	0.1
77.5°	0.1
80°	0.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)