

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: P1251782

Luminaire Tested: P3AS09R709030DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251782
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: P3AS09R709030DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

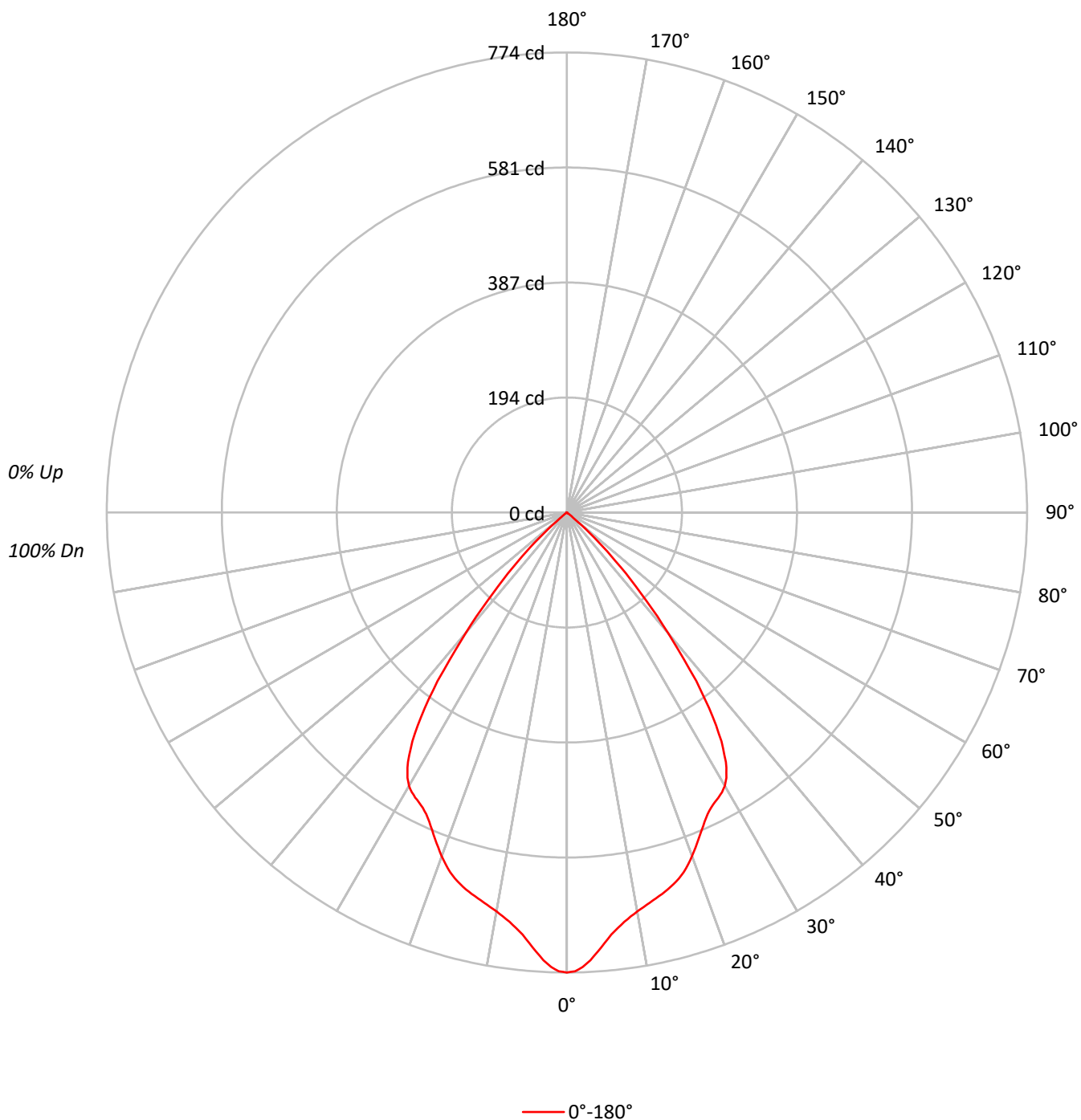
Lumens per Lamp: N/A
Luminaire Lumens: 873.1 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	81	77	94	86	81	76	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°	169745
5°	160048
10°	151767
15°	149036
20°	143652
25°	135419
30°	134451
35°	117089
40°	75742
45°	35818
50°	5015
55°	421
60°	307
65°	363
70°	256
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	7.8
10°-20°	184.4	21.1
20°-30°	260.8	29.9
30°-40°	262.1	30.0
40°-50°	94.3	10.8
50°-60°	2.5	0.3
60°-70°	0.6	0.1
70°-80°	0.4	0.0
80°-90°	0.1	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°	513.1	58.8
0°-40°	775.2	88.8
0°-60°	872.0	99.9
0°-90°	873.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	774	
5°	727	68
15°	656	184
25°	560	261
35°	437	262
45°	116	94
55°	1	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	774.1
1°	772.0
2°	765.2
3°	754.4
4°	740.8
5°	727.1
6°	714.2
7°	704.2
8°	695.2
9°	688.1
10°	681.6
11°	676.2
12°	671.2
13°	666.2
14°	661.5
15°	656.5
16°	650.4
17°	644.0
18°	636.1
19°	626.4
20°	615.6
21°	603.8
22°	592.0
23°	580.5
24°	569.4
25°	559.7
26°	552.9
27°	547.5
28°	543.2
29°	538.2
30°	531.0
31°	520.6
32°	505.9
32.5°	497.7
33°	486.6
34°	464.7
35°	437.4
36°	407.3
37°	373.3
37.5°	357.5
38°	336.0
39°	297.6
40°	264.6
42.5°	183.2
45°	115.5



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	62.0
50°	14.7
52.5°	1.8
55°	1.1
57.5°	1.1
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)