

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: P1250912

Luminaire Tested: P3AS02R559030DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R559030DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

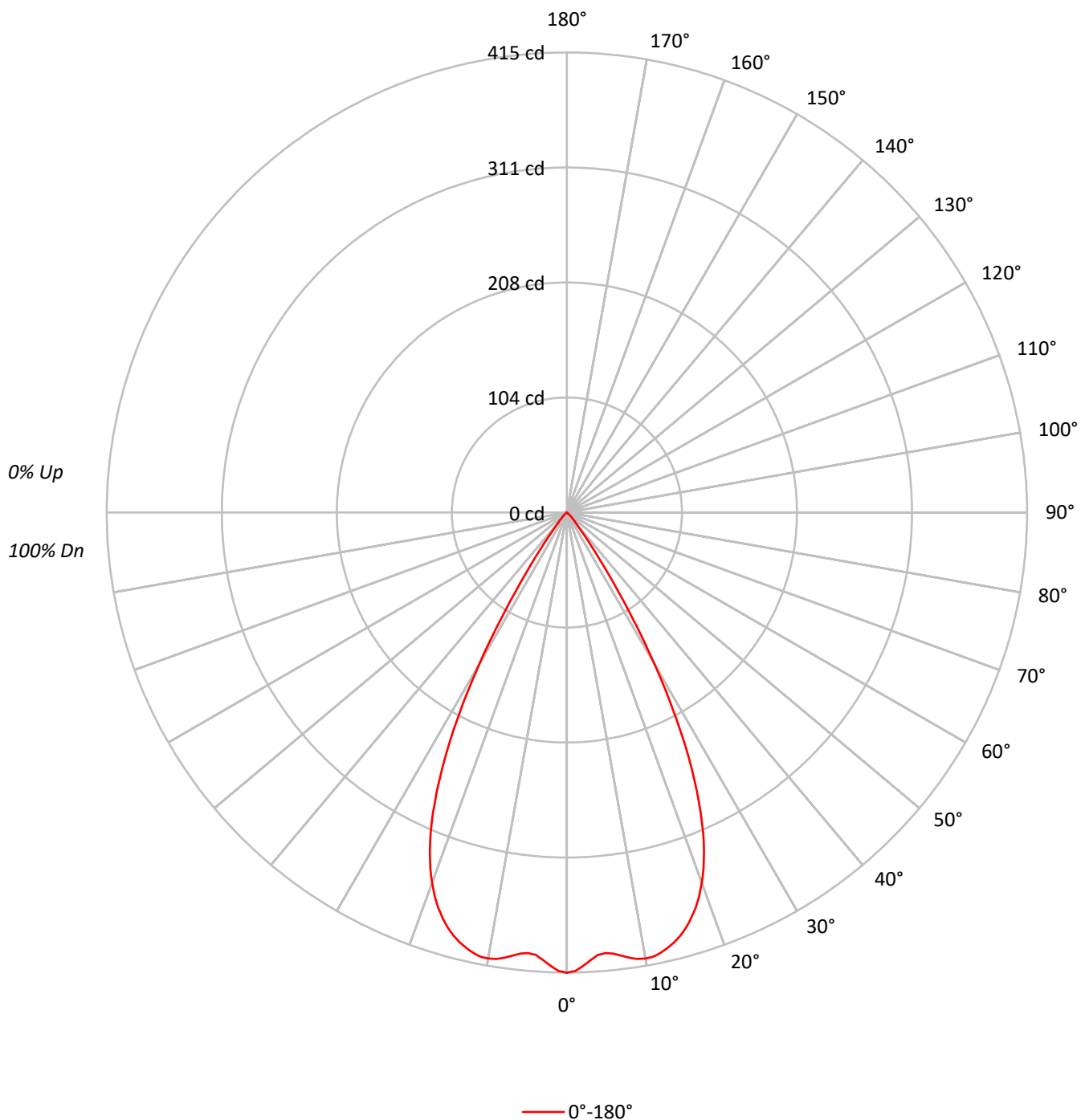
Lumens per Lamp: N/A
Luminaire Lumens: 314.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	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		100
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		89
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		79
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		75
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		67
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91067
5°	87827
10°	90980
15°	89694
20°	83004
25°	67141
30°	40234
35°	13626
40°	3750
45°	1675
50°	478
55°	76
60°	44
65°	52
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	12.3
10°-20°	110.0	35.0
20°-30°	122.3	38.9
30°-40°	38.1	12.1
40°-50°	4.6	1.5
50°-60°	0.3	0.1
60°-70°	0.1	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°	270.9	86.3
0°-40°	308.9	98.4
0°-60°	313.9	100.0
0°-90°	314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	314.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	415	
5°	399	39
15°	395	110
25°	278	122
35°	51	38
45°	5	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	415.3
1°	413.7
2°	409.6
3°	404.6
4°	400.1
5°	399.0
6°	400.2
7°	402.7
8°	405.6
9°	407.9
10°	408.6
11°	408.1
12°	406.2
13°	403.2
14°	399.7
15°	395.1
16°	389.7
17°	382.9
18°	375.3
19°	366.1
20°	355.7
21°	343.9
22°	330.0
23°	314.6
24°	296.9
25°	277.5
26°	256.1
27°	233.5
28°	209.2
29°	184.3
30°	158.9
31°	133.4
32°	108.4
32.5°	97.3
33°	85.9
34°	66.4
35°	50.9
36°	38.8
37°	28.7
37.5°	24.6
38°	21.4
39°	16.2
40°	13.1
42.5°	8.4
45°	5.4

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.2
50°	1.4
52.5°	0.5
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.1
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)