

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: P1271400

Luminaire Tested: P3AS05R559827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271400
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: P3AS05R559827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

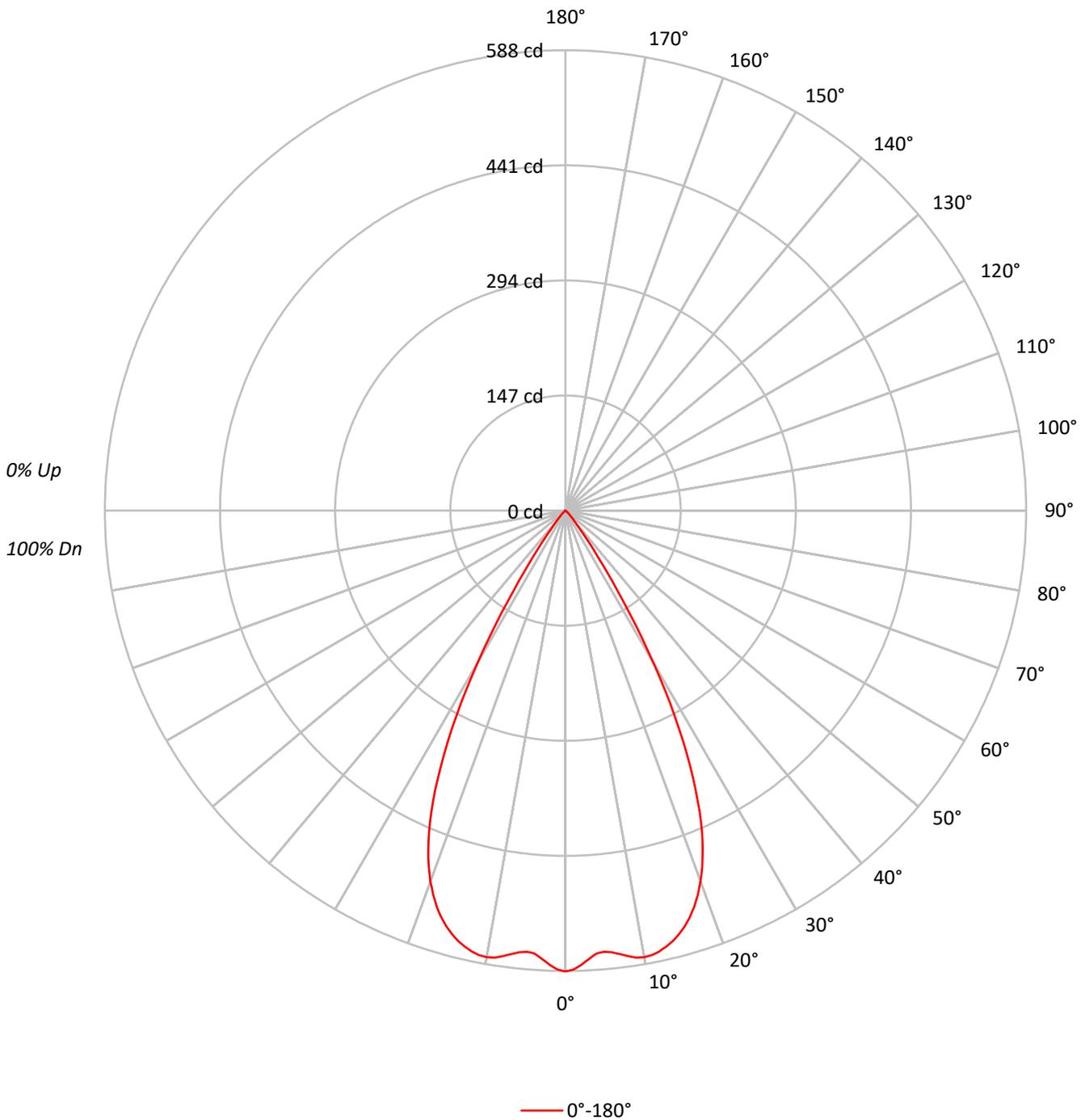
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 445.0 lumens
Efficiency: N/A
Efficacy: 61.8 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): 7.2
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
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95			95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89			89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84			84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79			79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75			75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71			71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67			67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63			63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60			60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57			57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129047
5°	124477
10°	128922
15°	127106
20°	117634
25°	95135
30°	57021
35°	19327
40°	5324
45°	2357
50°	682
55°	115
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	12.3
10°-20°	155.9	35.0
20°-30°	173.3	38.9
30°-40°	53.9	12.1
40°-50°	6.5	1.5
50°-60°	0.5	0.1
60°-70°	0.2	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°	383.9	86.3
0°-40°	437.8	98.4
0°-60°	444.8	99.9
0°-90°	445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	588	
5°	566	55
15°	560	156
25°	393	173
35°	72	54
45°	8	6
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	588.5
1°	586.3
2°	580.5
3°	573.4
4°	567.0
5°	565.5
6°	567.2
7°	570.7
8°	574.8
9°	578.0
10°	579.0
11°	578.3
12°	575.6
13°	571.4
14°	566.5
15°	559.9
16°	552.3
17°	542.7
18°	531.9
19°	518.8
20°	504.1
21°	487.4
22°	467.6
23°	445.8
24°	420.8
25°	393.2
26°	363.0
27°	330.8
28°	296.5
29°	261.2
30°	225.2
31°	189.0
32°	153.7
32.5°	138.0
33°	121.7
34°	94.2
35°	72.2
36°	54.9
37°	40.7
37.5°	34.8
38°	30.3
39°	23.0
40°	18.6
42.5°	11.8
45°	7.6



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	4.6
50°	2.0
52.5°	0.7
55°	0.3
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
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)