

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: P1257749

Luminaire Tested: P3AS17R309040DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R309040DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

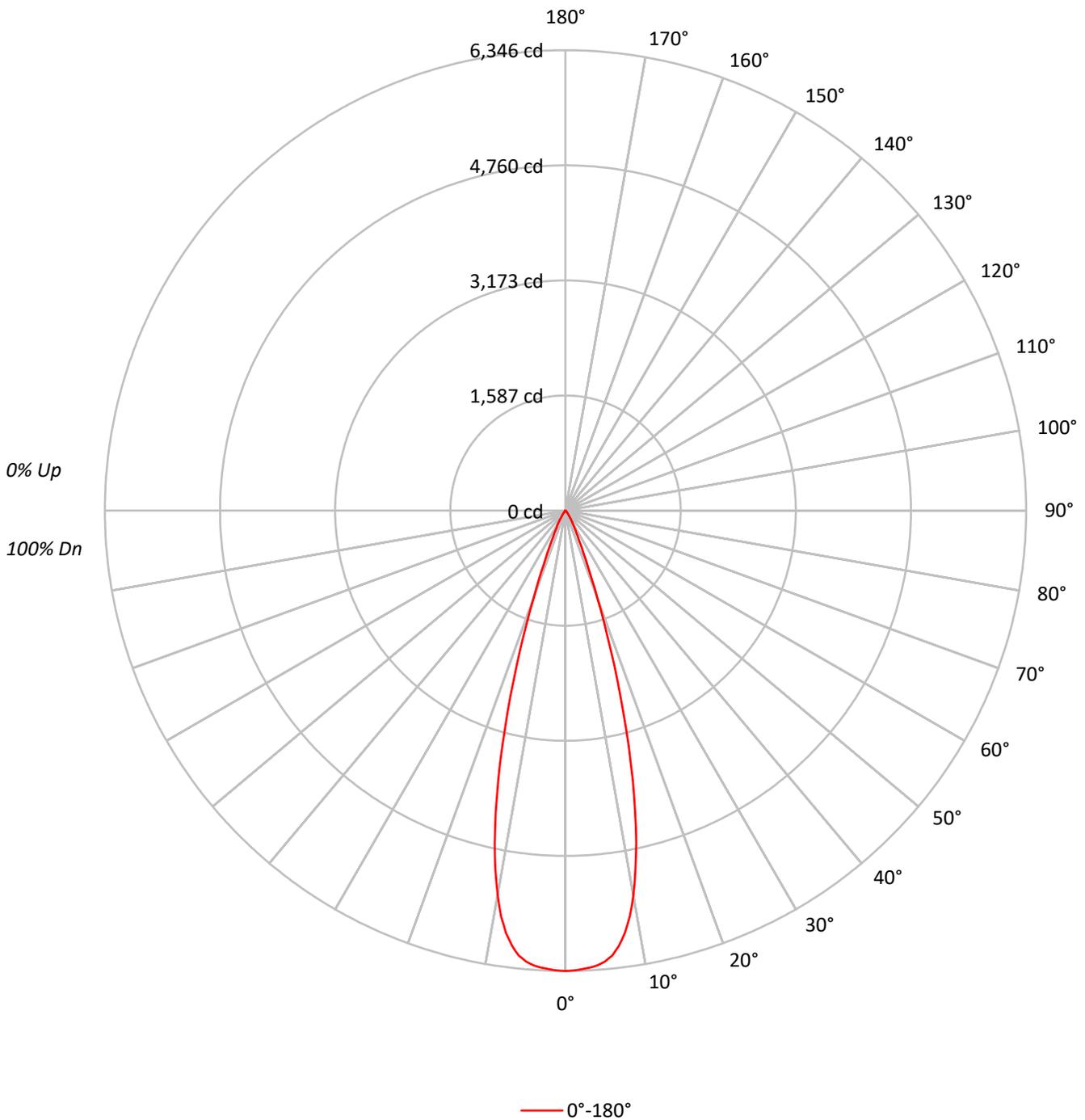
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
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			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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	95	93	92	90
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	93	91	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	90	88	86	85
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	88	85	83	82
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	86	83	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	84	81	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	82	79	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	80	77	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1391555
5°	1373406
10°	1199109
15°	762161
20°	301983
25°	100869
30°	46919
35°	21255
40°	8158
45°	4000
50°	1160
55°	535
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4000 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.4	32.6
10°-20°	884.6	50.6
20°-30°	228.1	13.0
30°-40°	53.6	3.1
40°-50°	10.5	0.6
50°-60°	1.2	0.1
60°-70°	0.6	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°	1683.2	96.2
0°-40°	1736.8	99.3
0°-60°	1748.4	100.0
0°-90°	1749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6346	
5°	6239	570
15°	3357	885
25°	417	228
35°	79	54
45°	13	10
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6346.0
1°	6341.3
2°	6326.3
3°	6309.4
4°	6284.2
5°	6239.4
6°	6166.8
7°	6045.9
8°	5880.9
9°	5665.7
10°	5385.3
11°	5052.0
12°	4688.1
13°	4269.1
14°	3830.6
15°	3357.3
16°	2893.6
17°	2446.9
18°	2018.5
19°	1625.4
20°	1294.1
21°	1018.4
22°	801.1
23°	634.1
24°	507.8
25°	416.9
26°	347.6
27°	295.3
28°	255.3
29°	218.6
30°	185.3
32.5°	116.8
35°	79.4
37.5°	49.6
40°	28.5
42.5°	19.0
45°	12.9
47.5°	7.5
50°	3.4
52.5°	1.4
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
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)