

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: P1253943

Luminaire Tested: P3AS05R409035DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1253943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409035DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

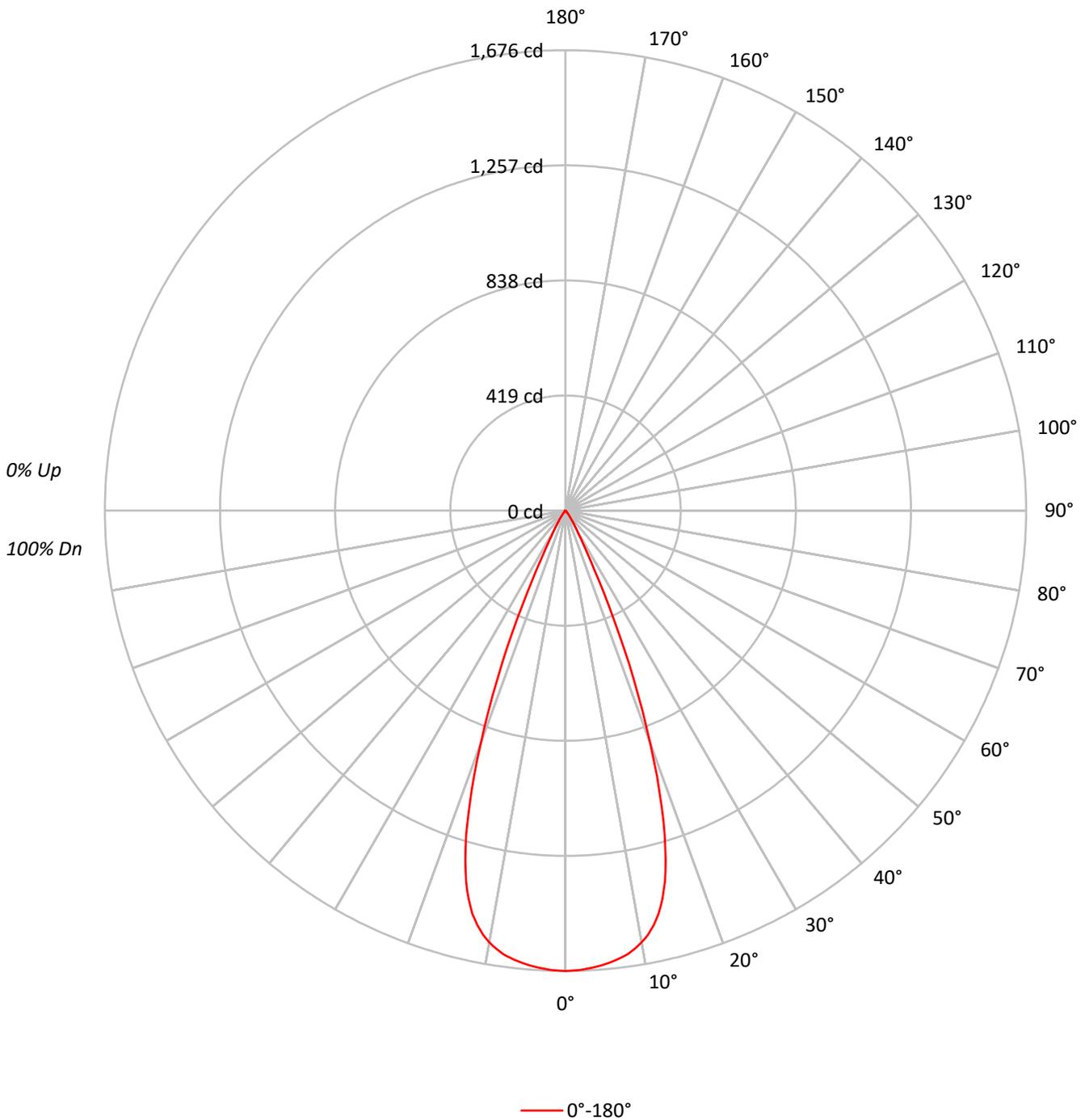
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92			92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88			88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79			79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76			76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73			73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70			70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	367514
5°	364868
10°	355304
15°	317391
20°	210438
25°	78851
30°	21092
35°	8245
40°	2948
45°	1395
50°	443
55°	191
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1395 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	21.7
10°-20°	370.4	51.4
20°-30°	168.0	23.3
30°-40°	21.8	3.0
40°-50°	3.8	0.5
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°	694.9	96.4
0°-40°	716.6	99.4
0°-60°	720.8	100.0
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1676	
5°	1658	156
15°	1398	370
25°	326	168
35°	31	22
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1676.0
1°	1675.0
2°	1672.4
3°	1668.7
4°	1663.9
5°	1657.6
6°	1650.2
7°	1641.1
8°	1630.0
9°	1614.9
10°	1595.7
11°	1573.3
12°	1543.2
13°	1506.1
14°	1457.6
15°	1398.1
16°	1322.1
17°	1235.5
18°	1131.5
19°	1021.7
20°	901.8
21°	782.0
22°	663.8
23°	546.2
24°	430.6
25°	325.9
26°	241.3
27°	176.7
28°	132.8
29°	103.2
30°	83.3
31°	68.9
32°	57.5
32.5°	52.5
33°	47.5
34°	38.6
35°	30.8
36°	24.2
37°	19.2
37.5°	17.2
38°	15.1
39°	12.6
40°	10.3
42.5°	6.8
45°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.8
50°	1.3
52.5°	0.5
55°	0.5
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
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)