

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: P1251236

Luminaire Tested: P3AS05R409030DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251236
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: P3AS05R409030DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

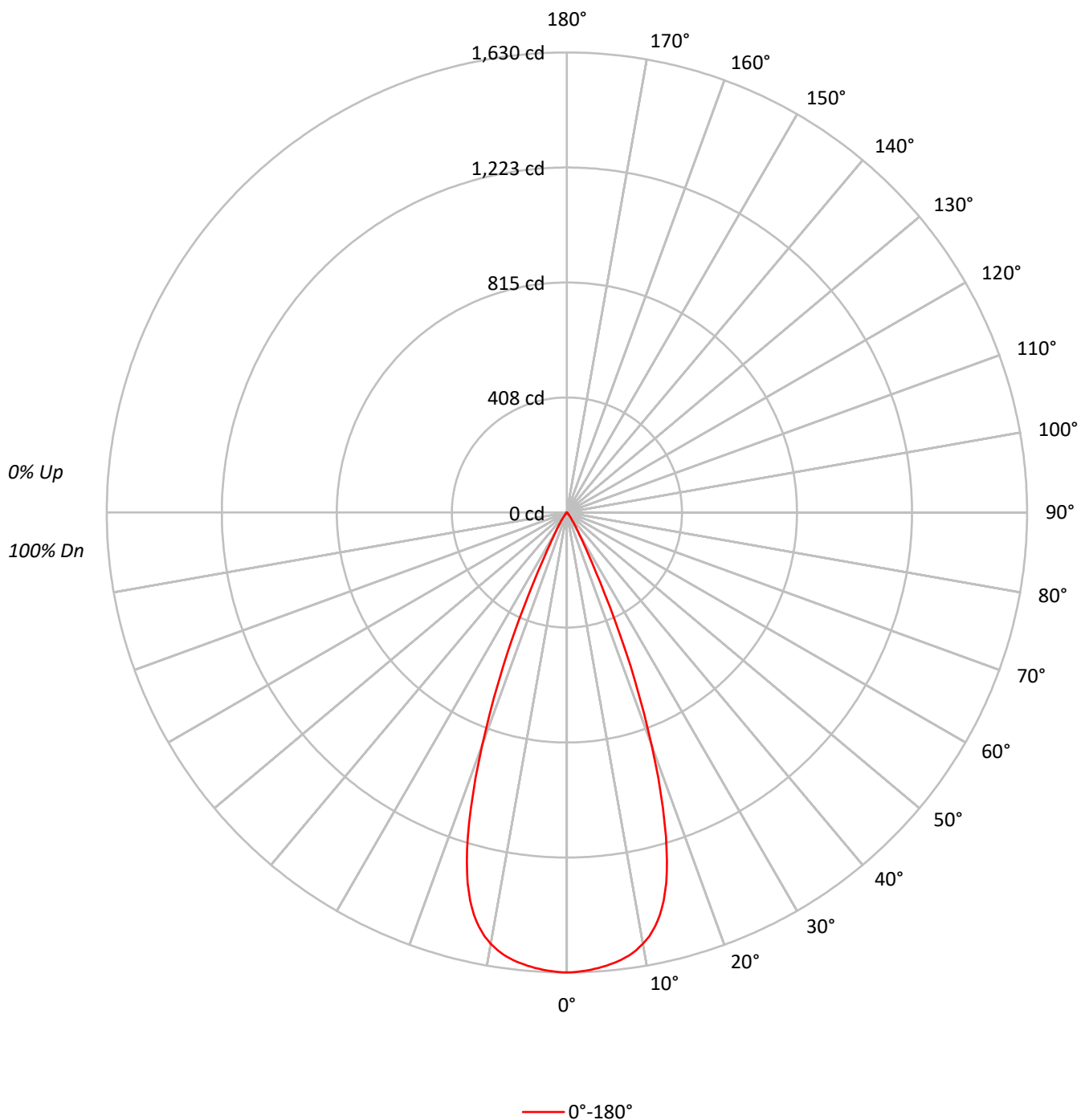
Lumens per Lamp: N/A
Luminaire Lumens: 701.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		85
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		82
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		79
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		76
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		73
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		70
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	357318
5°	354743
10°	345462
15°	308583
20°	204604
25°	76650
30°	20509
35°	8004
40°	2891
45°	1364
50°	409
55°	191
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1364 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	21.7
10°-20°	360.2	51.4
20°-30°	163.3	23.3
30°-40°	21.2	3.0
40°-50°	3.7	0.5
50°-60°	0.4	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°	675.6	96.4
0°-40°	696.8	99.4
0°-60°	700.8	100.0
0°-90°	701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1630	
5°	1612	152
15°	1359	360
25°	317	163
35°	30	21
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°	1629.5
1°	1628.5
2°	1626.1
3°	1622.4
4°	1617.7
5°	1611.6
6°	1604.5
7°	1595.6
8°	1584.8
9°	1570.1
10°	1551.5
11°	1529.6
12°	1500.4
13°	1464.3
14°	1417.2
15°	1359.3
16°	1285.4
17°	1201.3
18°	1100.2
19°	993.4
20°	876.8
21°	760.3
22°	645.4
23°	531.1
24°	418.7
25°	316.8
26°	234.6
27°	171.8
28°	129.1
29°	100.4
30°	81.0
31°	67.0
32°	56.0
32.5°	51.0
33°	46.1
34°	37.5
35°	29.9
36°	23.6
37°	18.7
37.5°	16.7
38°	14.7
39°	12.3
40°	10.1
42.5°	6.6
45°	4.4

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.7
50°	1.2
52.5°	0.5
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
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)