

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: P1263919

Luminaire Tested: P3A02R409730DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263919
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: P3A02R409730DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

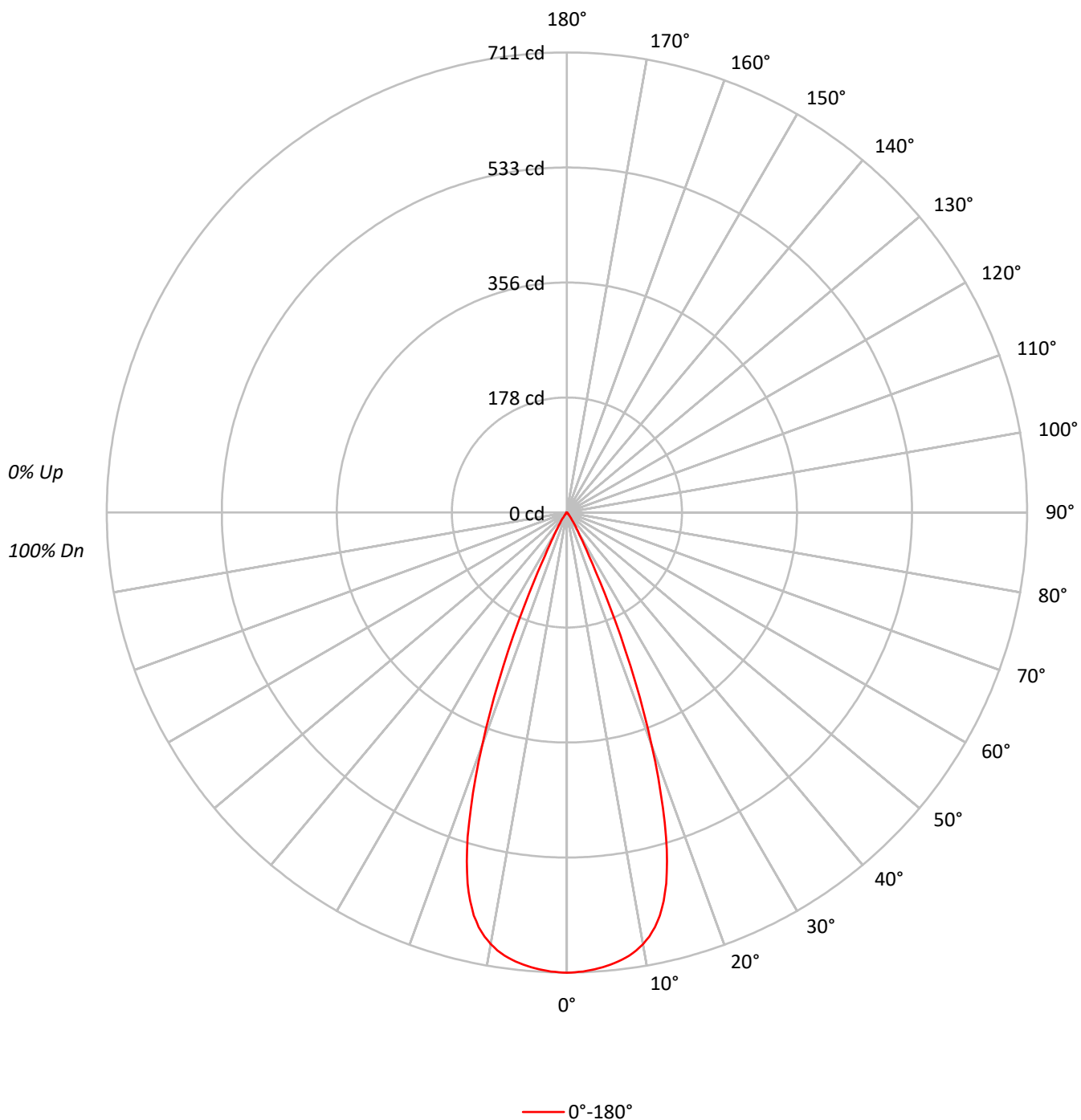
Lumens per Lamp: N/A
Luminaire Lumens: 306.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1263919

CATALOG NUMBER: P3A02R409730DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1263919

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	155974
5°	154853
10°	150788
15°	134711
20°	89328
25°	33462
30°	8963
35°	3507
40°	1260
45°	589
50°	171
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 589 cd/sqm

TEST NUMBER: P1263919

CATALOG NUMBER: P3A02R409730DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	21.7
10°-20°	157.2	51.4
20°-30°	71.3	23.3
30°-40°	9.2	3.0
40°-50°	1.6	0.5
50°-60°	0.2	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°	294.9	96.4
0°-40°	304.1	99.4
0°-60°	305.9	100.0
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	711	
5°	704	66
15°	593	157
25°	138	71
35°	13	9
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1263919

CATALOG NUMBER: P3A02R409730DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	711.3
1°	710.9
2°	709.8
3°	708.2
4°	706.2
5°	703.5
6°	700.4
7°	696.5
8°	691.8
9°	685.4
10°	677.2
11°	667.7
12°	655.0
13°	639.2
14°	618.6
15°	593.4
16°	561.1
17°	524.4
18°	480.2
19°	433.6
20°	382.8
21°	331.9
22°	281.7
23°	231.8
24°	182.8
25°	138.3
26°	102.4
27°	75.0
28°	56.3
29°	43.8
30°	35.4
31°	29.2
32°	24.4
32.5°	22.3
33°	20.1
34°	16.4
35°	13.1
36°	10.3
37°	8.1
37.5°	7.3
38°	6.4
39°	5.4
40°	4.4
42.5°	2.9
45°	1.9



TEST NUMBER: P1263919

CATALOG NUMBER: P3A02R409730DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	1.2
50°	0.5
52.5°	0.2
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
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)