

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: P1266231

Luminaire Tested: P3A02R309735DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309735DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

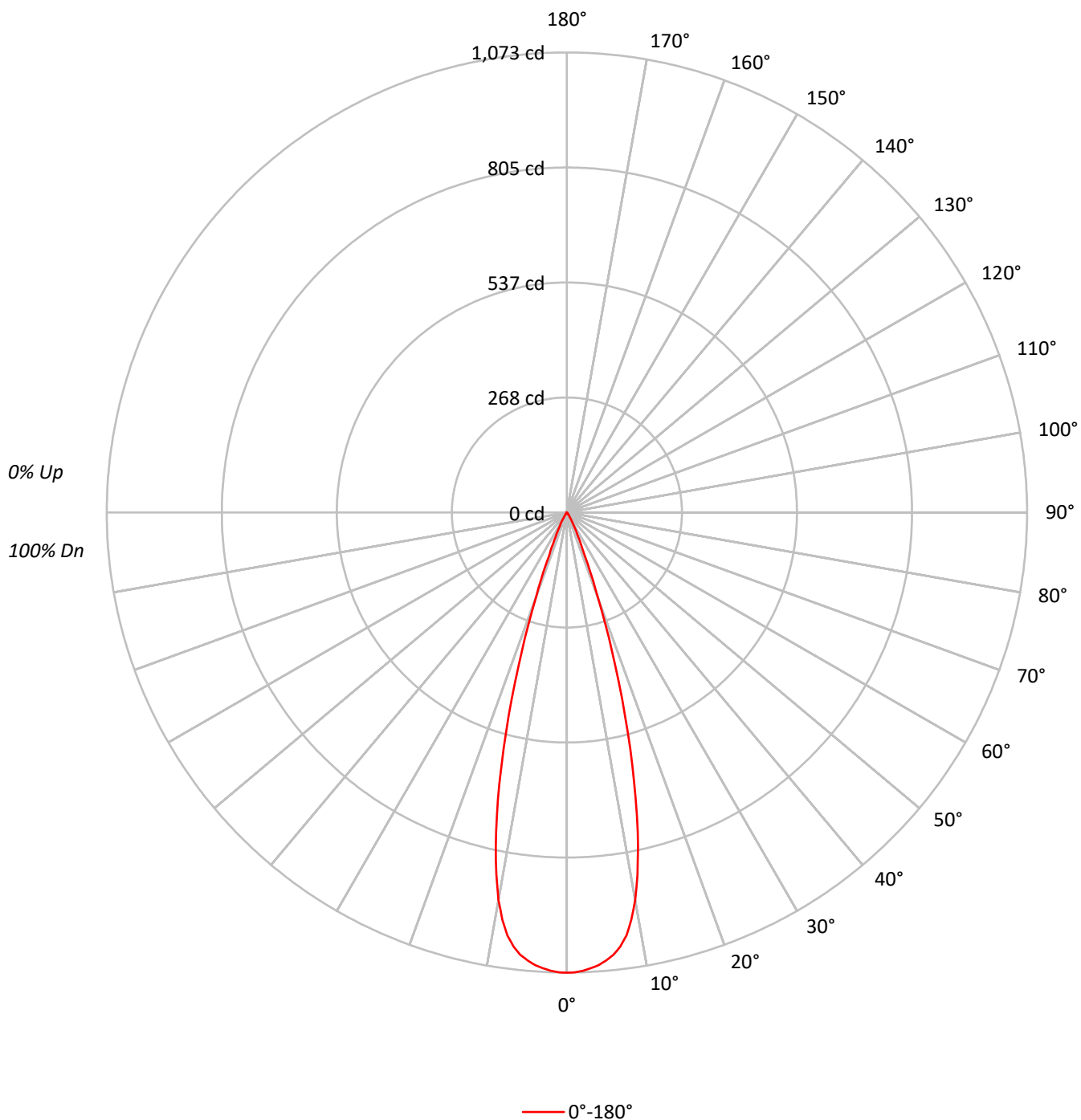
Lumens per Lamp: N/A
Luminaire Lumens: 289.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	113	111	109	113	111	109	108	107	106	104		103	102	101		97
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		91
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		88
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		85
6	99	93	89	86	98	92	88	86	91	88	85		90	87	85		83
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		81
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		79
9	91	85	81	78	90	84	81	78	84	80	78		83	80	78		77
10	89	83	79	76	88	82	78	76	82	78	76		81	78	76		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	235354
5°	230904
10°	204405
15°	129490
20°	49168
25°	14565
30°	5748
35°	1767
40°	773
45°	279
50°	239
55°	191
60°	219
65°	259
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 279 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	33.4
10°-20°	150.3	52.0
20°-30°	34.9	12.1
30°-40°	5.4	1.9
40°-50°	0.9	0.3
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
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°	281.6	97.4
0°-40°	287.0	99.3
0°-60°	288.4	99.8
0°-90°	289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1073	
5°	1049	96
15°	570	150
25°	60	35
35°	7	5
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1073.3
1°	1072.6
2°	1069.6
3°	1064.6
4°	1058.3
5°	1049.0
6°	1037.4
7°	1020.1
8°	996.5
9°	961.8
10°	918.0
11°	861.5
12°	797.7
13°	726.9
14°	649.0
15°	570.4
17.5°	373.2
20°	210.7
22.5°	107.6
25°	60.2
27.5°	37.0
30°	22.7
32.5°	12.3
35°	6.6
37.5°	4.3
40°	2.7
42.5°	1.6
45°	0.9
47.5°	0.7
50°	0.7
52.5°	0.5
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)