

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: P1245692

Luminaire Tested: P3A02R309024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

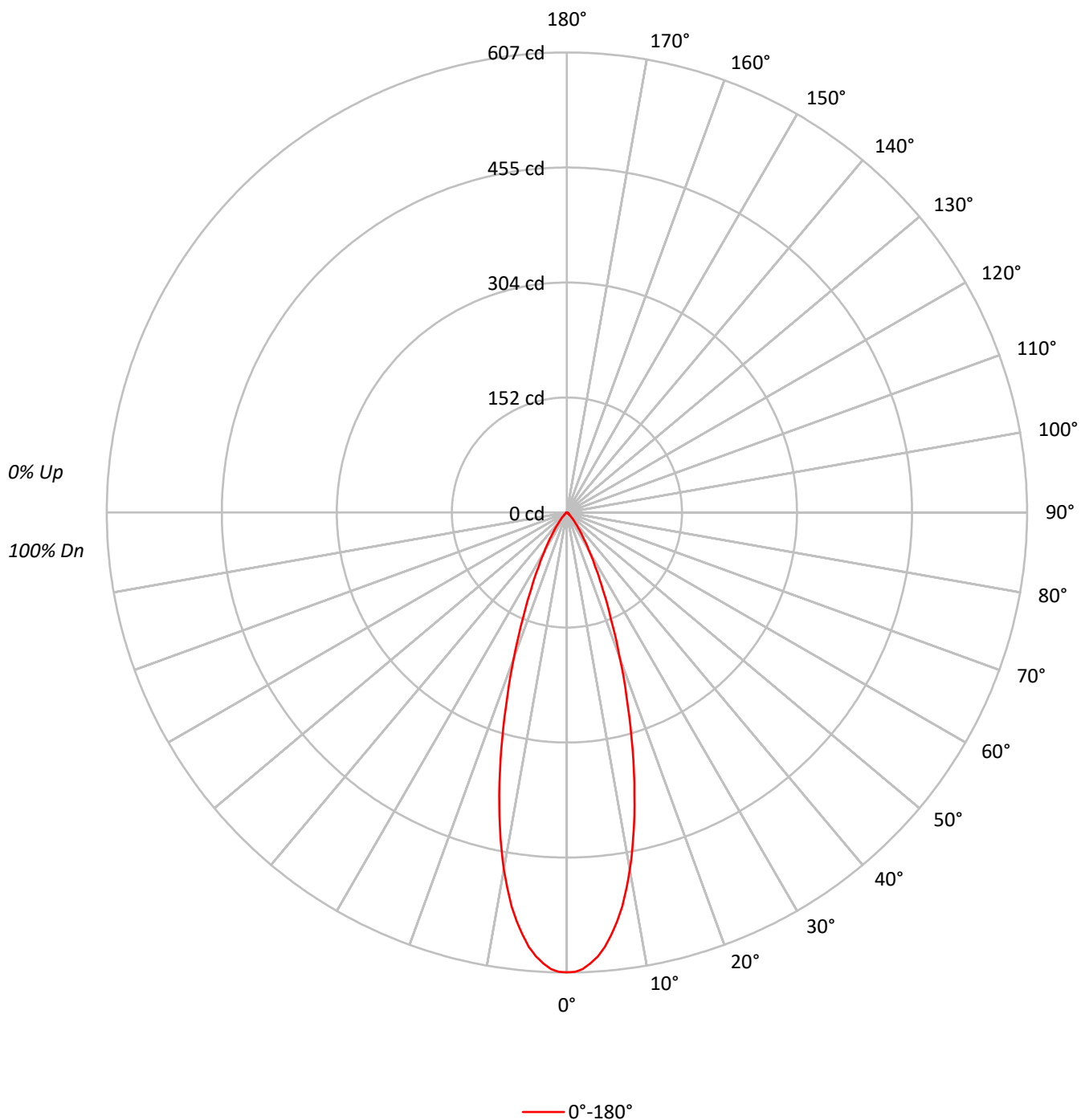
Lumens per Lamp: N/A
Luminaire Lumens: 228.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				10			0
RW	70	50	30	10	70	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
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77		83	79	76		81	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		79	75	73	71
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133038
5°	126634
10°	106522
15°	76822
20°	47651
25°	27098
30°	15040
35°	8191
40°	4322
45°	2326
50°	1262
55°	841
60°	746
65°	778
70°	705
75°	508
80°	505
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	22.7
10°-20°	92.1	40.4
20°-30°	53.2	23.3
30°-40°	20.2	8.9
40°-50°	6.2	2.7
50°-60°	2.1	0.9
60°-70°	1.4	0.6
70°-80°	0.8	0.3
80°-90°	0.2	0.1
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°	197.1	86.5
0°-40°	217.3	95.3
0°-60°	225.6	99.0
0°-90°	228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	228.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	607	
5°	575	52
15°	338	92
25°	112	53
35°	31	20
45°	8	6
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	606.7
1°	606.3
2°	602.6
3°	595.7
4°	587.1
5°	575.3
6°	560.2
7°	543.4
8°	524.7
9°	502.3
10°	478.4
11°	452.5
12°	425.2
13°	396.5
14°	367.4
15°	338.4
17.5°	266.9
20°	204.2
22.5°	151.4
25°	112.0
27.5°	81.4
30°	59.4
32.5°	42.9
35°	30.6
37.5°	21.3
40°	15.1
42.5°	10.6
45°	7.5
47.5°	5.2
50°	3.7
52.5°	2.6
55°	2.2
57.5°	1.9
60°	1.7
62.5°	1.5
65°	1.5
67.5°	1.3
70°	1.1
72.5°	0.9
75°	0.6
77.5°	0.6
80°	0.4
82.5°	0.4
85°	0.2
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)