

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: P1269401

Luminaire Tested: P3A09R309740DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269401
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: P3A09R309740DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

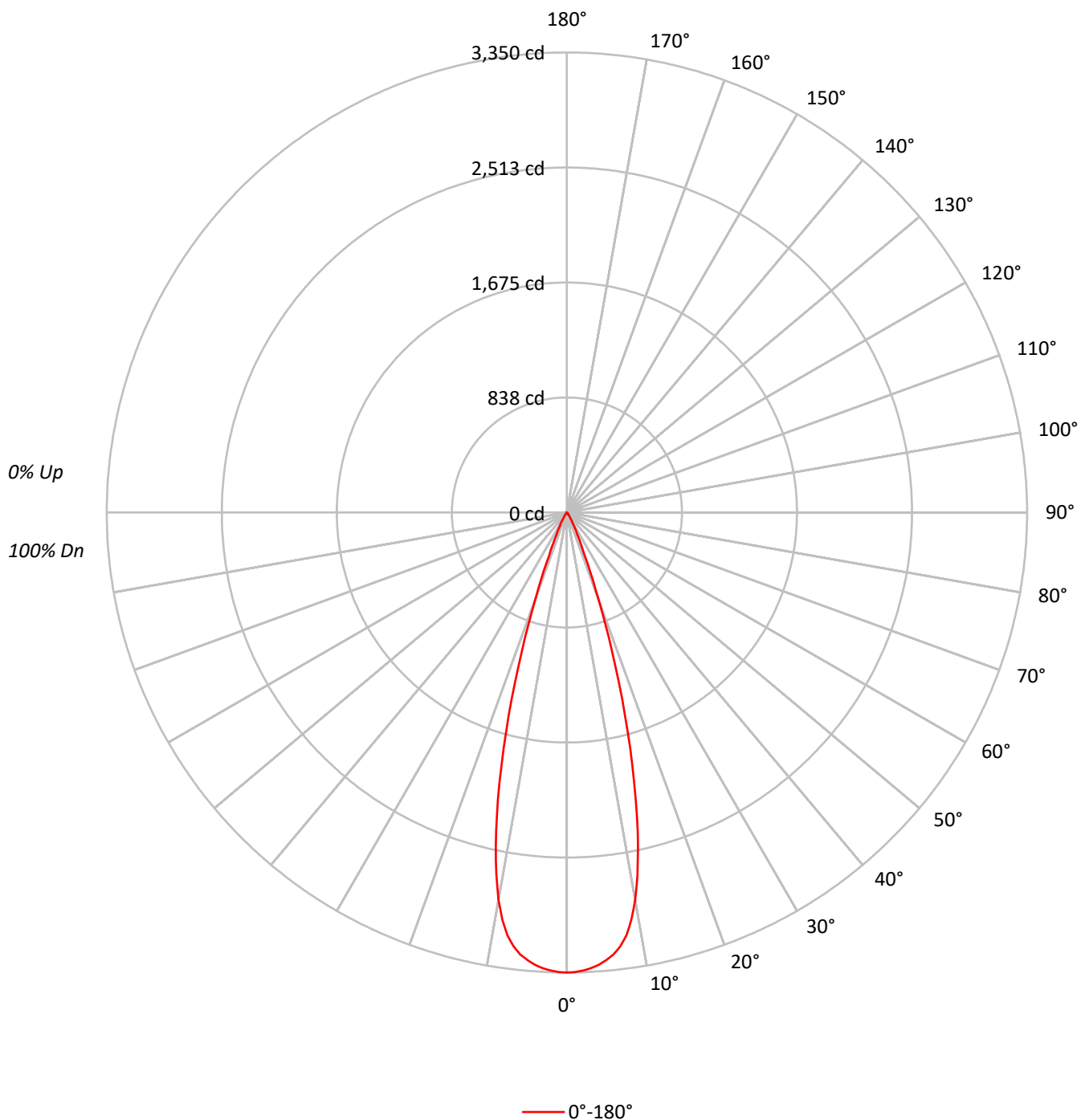
Lumens per Lamp: N/A
Luminaire Lumens: 901.9 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1269401

CATALOG NUMBER: P3A09R309740DE010 E3CD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	734524
5°	720645
10°	637953
15°	404179
20°	153430
25°	45414
30°	17927
35°	5488
40°	2433
45°	868
50°	716
55°	535
60°	614
65°	726
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 884 cd/sqm

TEST NUMBER: P1269401

CATALOG NUMBER: P3A09R309740DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	33.4
10°-20°	469.0	52.0
20°-30°	108.9	12.1
30°-40°	16.9	1.9
40°-50°	2.9	0.3
50°-60°	1.3	0.1
60°-70°	1.1	0.1
70°-80°	0.7	0.1
80°-90°	0.1	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°	878.9	97.4
0°-40°	895.8	99.3
0°-60°	900.0	99.8
0°-90°	901.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3350	
5°	3274	301
15°	1780	469
25°	188	109
35°	20	17
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1269401

CATALOG NUMBER: P3A09R309740DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3349.7
1°	3347.6
2°	3338.4
3°	3322.8
4°	3303.0
5°	3273.9
6°	3237.8
7°	3183.9
8°	3110.3
9°	3001.9
10°	2865.1
11°	2688.7
12°	2489.6
13°	2268.6
14°	2025.6
15°	1780.4
17.5°	1164.8
20°	657.5
22.5°	335.8
25°	187.7
27.5°	115.5
30°	70.8
32.5°	38.3
35°	20.5
37.5°	13.5
40°	8.5
42.5°	5.0
45°	2.8
47.5°	2.1
50°	2.1
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1269401

CATALOG NUMBER: P3A09R309740DE010 E3CD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)