

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: P1293339

Luminaire Tested: P3A09R40W2N902765DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R40W2N902765DE010 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

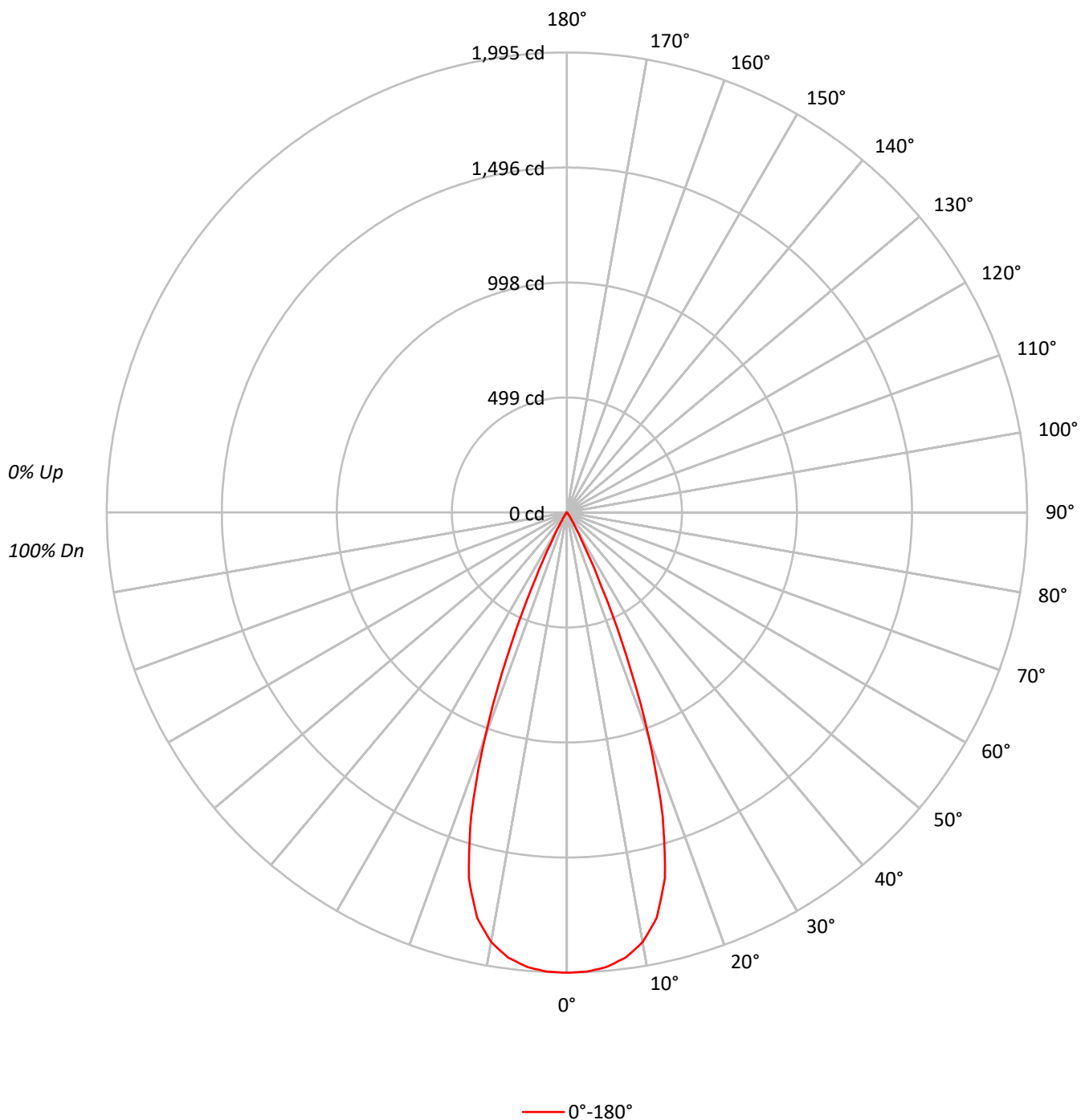
Lumens per Lamp: N/A
Luminaire Lumens: 831.1 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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: P1293339

CATALOG NUMBER: P3A09R40W2N902765DE010 E3CD1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1293339

CATALOG NUMBER: P3A09R40W2N902765DE010 E3CD1MW_3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98		96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94		92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94	92	90		89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	86		85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83		82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80		79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	79	77		76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75		73
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72		71
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75	72	70		69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	437553
5°	435438
10°	421257
15°	372692
20°	243154
25°	86134
30°	18256
35°	6023
40°	2204
45°	744
50°	614
55°	688
60°	526
65°	623
70°	385
75°	508
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 1008 cd/sqm

TEST NUMBER: P1293339

CATALOG NUMBER: P3A09R40W2N902765DE010 E3CD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	22.4
10°-20°	433.5	52.2
20°-30°	188.1	22.6
30°-40°	17.3	2.1
40°-50°	2.5	0.3
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	807.7	97.2
0°-40°	825.1	99.3
0°-60°	829.1	99.8
0°-90°	831.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1995	
5°	1978	186
15°	1642	433
25°	356	188
35°	22	17
45°	2	2
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1293339

CATALOG NUMBER: P3A09R40W2N902765DE010 E3CD1MW_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1995.4
2.5°	1993.0
5°	1978.2
7.5°	1946.9
10°	1891.9
12.5°	1799.0
15°	1641.7
17.5°	1380.9
20°	1042.0
22.5°	676.6
25°	356.0
27.5°	153.2
30°	72.1
32.5°	39.0
35°	22.5
37.5°	13.6
40°	7.7
42.5°	4.1
45°	2.4
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)