

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: P1293338

Luminaire Tested: P3A09R40W2N902765DE010 E3CD1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293338
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

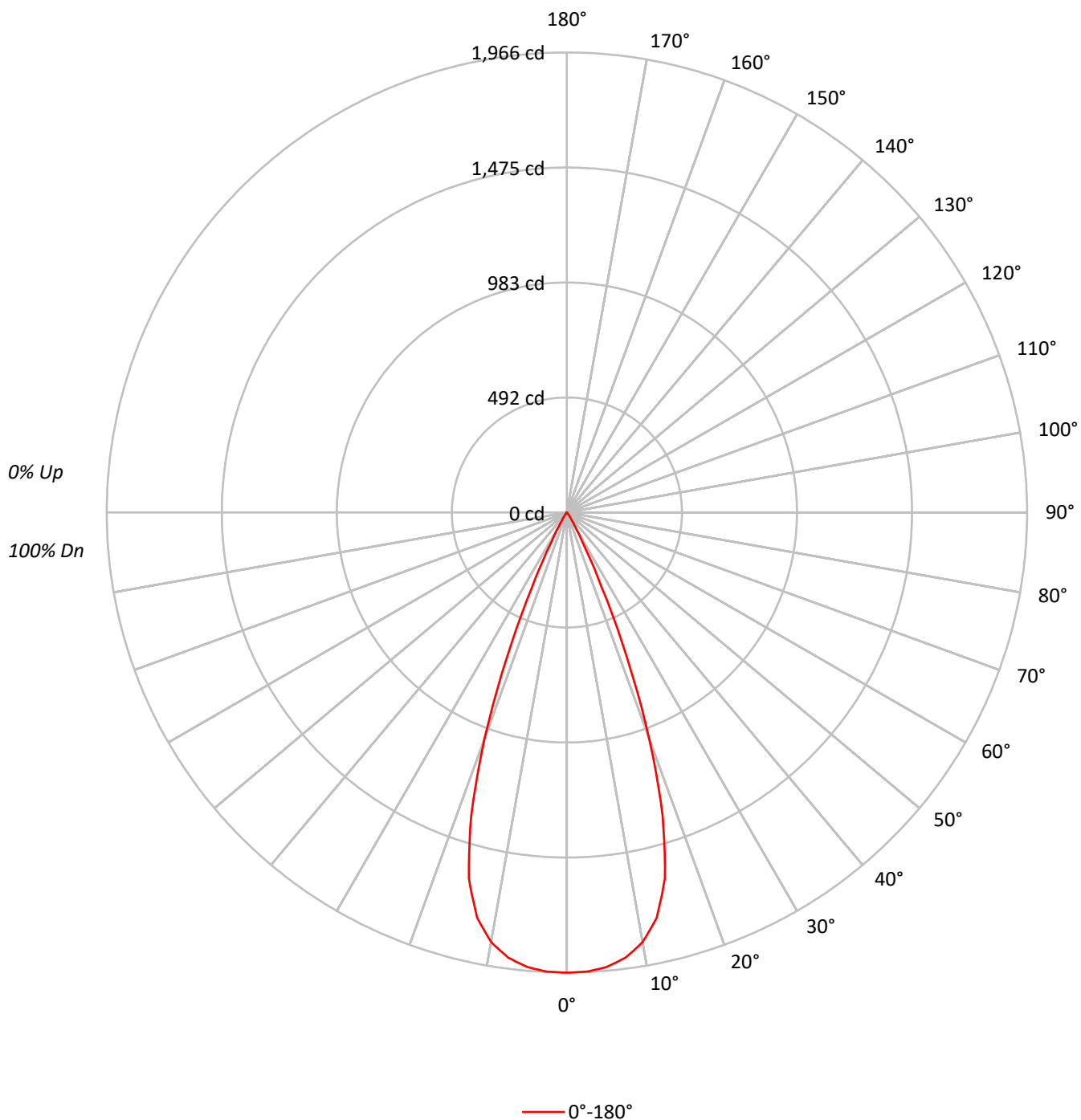
Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293338

CATALOG NUMBER: P3A09R40W2N902765DE010 E3CD1MW_3000K

Luminous Intensity Polar Plot



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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°	431215
5°	429143
10°	415156
15°	367312
20°	239654
25°	84900
30°	18003
35°	5916
40°	2176
45°	713
50°	580
55°	650
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	22.4
10°-20°	427.2	52.2
20°-30°	185.4	22.6
30°-40°	17.1	2.1
40°-50°	2.4	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°	796.1	97.2
0°-40°	813.1	99.3
0°-60°	817.0	99.8
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1966	
5°	1950	183
15°	1618	427
25°	351	185
35°	22	17
45°	2	2
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1966.5
2.5°	1964.2
5°	1949.6
7.5°	1918.7
10°	1864.5
12.5°	1773.0
15°	1618.0
17.5°	1361.0
20°	1027.0
22.5°	666.8
25°	350.9
27.5°	151.0
30°	71.1
32.5°	38.5
35°	22.1
37.5°	13.4
40°	7.6
42.5°	4.1
45°	2.3
47.5°	1.7
50°	1.7
52.5°	1.7
55°	1.7
57.5°	1.7
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)