

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: P1293177

Luminaire Tested: P3A09R40W2N902750DE010 E3CD1MB_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293177
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: P3A09R40W2N902750DE010 E3CD1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

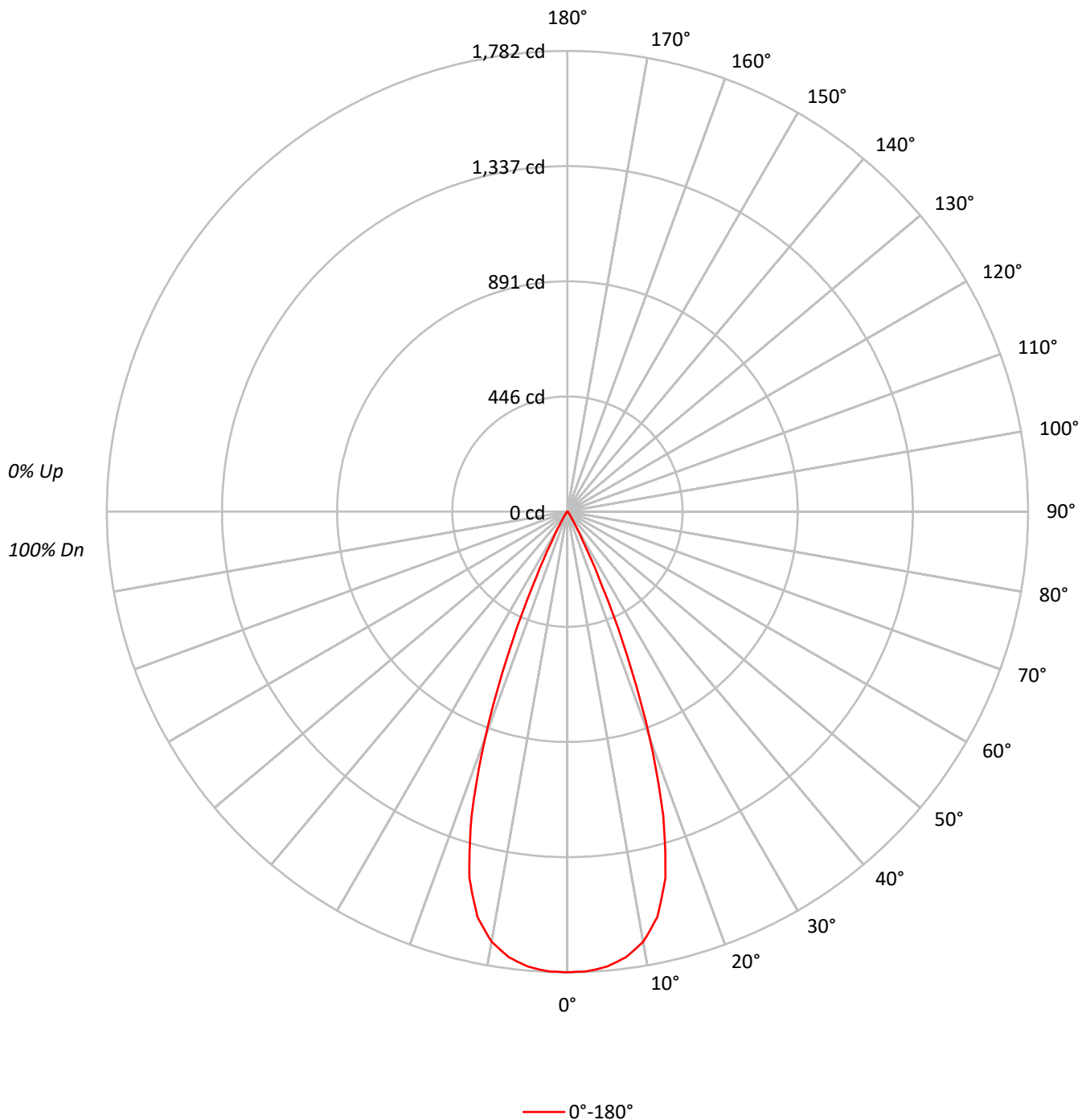
Lumens per Lamp: N/A
Luminaire Lumens: 742.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293177

CATALOG NUMBER: P3A09R40W2N902750DE010 E3CD1MB_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1293177

CATALOG NUMBER: P3A09R40W2N902750DE010 E3CD1MB_2700K

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	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°	390692
5°	388795
10°	376123
15°	332783
20°	217112
25°	76916
30°	16306
35°	5381
40°	1975
45°	651
50°	546
55°	612
60°	482
65°	571
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 840 cd/sqm

TEST NUMBER: P1293177

CATALOG NUMBER: P3A09R40W2N902750DE010 E3CD1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	22.4
10°-20°	387.0	52.2
20°-30°	168.0	22.6
30°-40°	15.5	2.1
40°-50°	2.2	0.3
50°-60°	1.4	0.2
60°-70°	1.0	0.1
70°-80°	0.5	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°	721.2	97.2
0°-40°	736.7	99.3
0°-60°	740.3	99.8
0°-90°	742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1782	
5°	1766	166
15°	1466	387
25°	318	168
35°	20	15
45°	2	2
55°	2	1
65°	1	1
75°	0	1
85°	0	0
90°	0	

TEST NUMBER: P1293177

CATALOG NUMBER: P3A09R40W2N902750DE010 E3CD1MB_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1781.7
2.5°	1779.5
5°	1766.3
7.5°	1738.4
10°	1689.2
12.5°	1606.3
15°	1465.9
17.5°	1233.0
20°	930.4
22.5°	604.1
25°	317.9
27.5°	136.8
30°	64.4
32.5°	34.9
35°	20.1
37.5°	12.1
40°	6.9
42.5°	3.7
45°	2.1
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)