

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: P1293290

Luminaire Tested: P3A09R40W2N902750DE010 E3DLP1LI_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R40W2N902750DE010 E3DLP1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

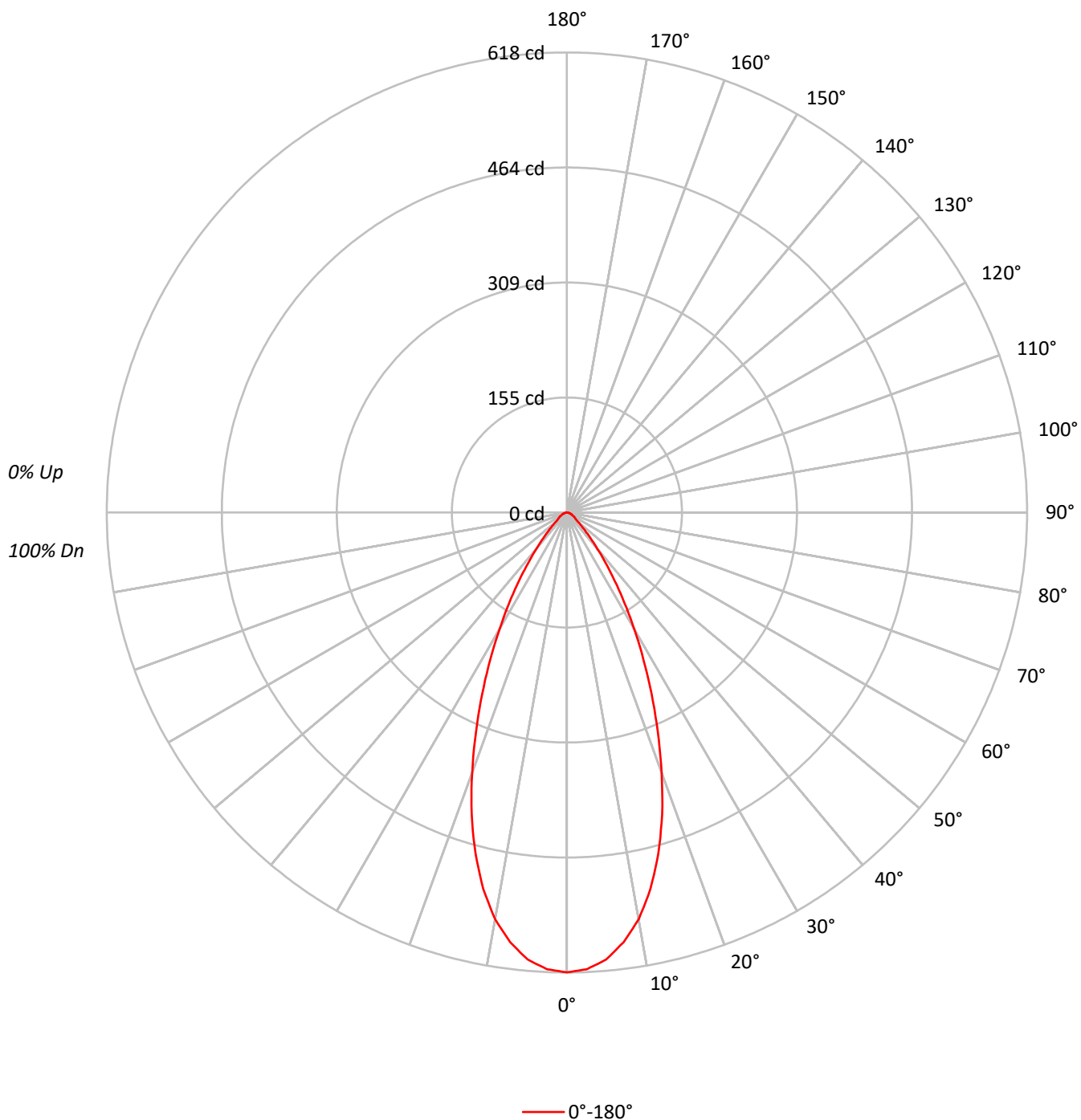
Lumens per Lamp: N/A
Luminaire Lumens: 435.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293290

CATALOG NUMBER: P3A09R40W2N902750DE010 E3DLP1LI_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1293290

CATALOG NUMBER: P3A09R40W2N902750DE010 E3DLP1LI_4000K

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92	89	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86	84	81	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	79	76	74
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77	74	71	69
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73	69	66	65
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70	66	62	61
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135450
5°	132709
10°	123556
15°	107696
20°	86784
25°	65060
30°	45729
35°	29955
40°	18148
45°	10823
50°	6482
55°	5199
60°	4693
65°	3995
70°	3783
75°	3050
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10823 cd/sqm

TEST NUMBER: P1293290

CATALOG NUMBER: P3A09R40W2N902750DE010 E3DLP1LI_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	12.9
10°-20°	130.7	30.0
20°-30°	123.1	28.3
30°-40°	71.2	16.4
40°-50°	28.4	6.5
50°-60°	12.6	2.9
60°-70°	7.8	1.8
70°-80°	4.1	0.9
80°-90°	1.3	0.3
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°	309.8	71.2
0°-40°	381.0	87.6
0°-60°	421.9	97.0
0°-90°	435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	603	56
15°	474	131
25°	269	123
35°	112	71
45°	35	28
55°	14	13
65°	8	8
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1293290

CATALOG NUMBER: P3A09R40W2N902750DE010 E3DLP1LI_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	617.7
2.5°	614.1
5°	602.9
7.5°	582.2
10°	554.9
12.5°	518.2
15°	474.4
17.5°	425.2
20°	371.9
22.5°	318.6
25°	268.9
27.5°	222.7
30°	180.6
32.5°	143.9
35°	111.9
37.5°	84.7
40°	63.4
42.5°	47.4
45°	34.9
47.5°	25.5
50°	19.0
52.5°	15.4
55°	13.6
57.5°	12.4
60°	10.7
62.5°	8.9
65°	7.7
67.5°	6.5
70°	5.9
72.5°	4.7
75°	3.6
77.5°	3.0
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)