

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: P1293257

Luminaire Tested: P3A09R40W2N902750DE010 E3DLD1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R40W2N902750DE010 E3DLD1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

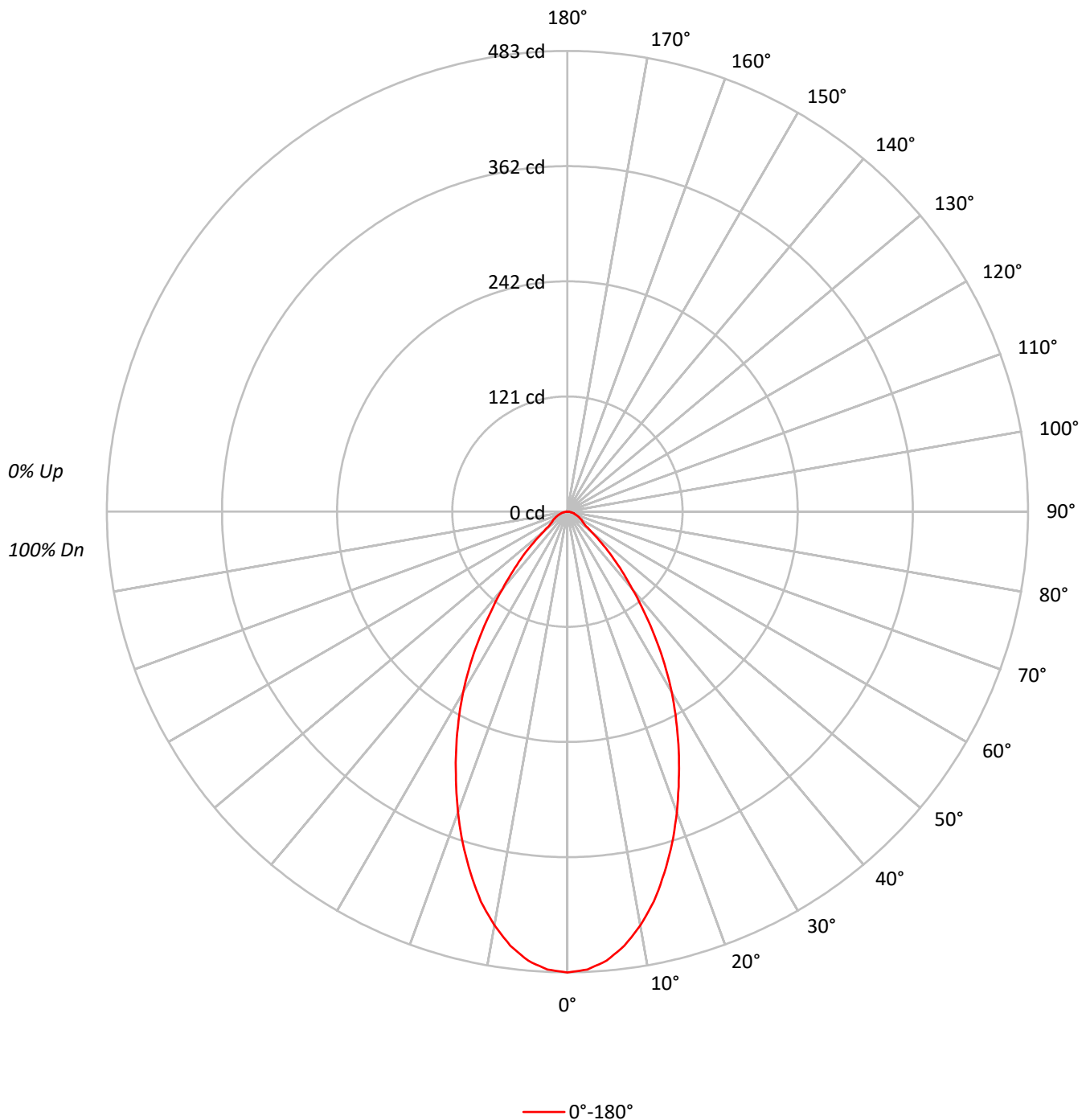
Lumens per Lamp: N/A
Luminaire Lumens: 472.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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			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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68	64	61	59
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64	60	56	55
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105956
5°	104028
10°	98061
15°	89081
20°	78243
25°	66826
30°	55350
35°	42697
40°	30371
45°	20467
50°	11155
55°	7875
60°	7412
65°	6849
70°	6091
75°	5846
80°	4672
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	9.3
10°-20°	109.3	23.2
20°-30°	126.3	26.8
30°-40°	99.6	21.1
40°-50°	51.1	10.8
50°-60°	19.6	4.1
60°-70°	12.9	2.7
70°-80°	7.0	1.5
80°-90°	2.1	0.4
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°	279.7	59.3
0°-40°	379.3	80.4
0°-60°	450.0	95.3
0°-90°	472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	483	
5°	473	44
15°	392	109
25°	276	126
35°	160	100
45°	66	51
55°	21	20
65°	13	13
75°	7	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	483.2
2.5°	480.5
5°	472.6
7.5°	458.9
10°	440.4
12.5°	418.8
15°	392.4
17.5°	364.9
20°	335.3
22.5°	305.2
25°	276.2
27.5°	247.1
30°	218.6
32.5°	189.6
35°	159.5
37.5°	131.5
40°	106.1
42.5°	84.5
45°	66.0
47.5°	48.1
50°	32.7
52.5°	23.8
55°	20.6
57.5°	18.5
60°	16.9
62.5°	14.8
65°	13.2
67.5°	11.1
70°	9.5
72.5°	7.9
75°	6.9
77.5°	5.3
80°	3.7
82.5°	3.2
85°	1.6
87.5°	1.1
90°	0.0

(END OF REPORT)