

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: P1293241

Luminaire Tested: P3A09R40W2N902750DE010 E3DL1WH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293241
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 E3DL1WH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

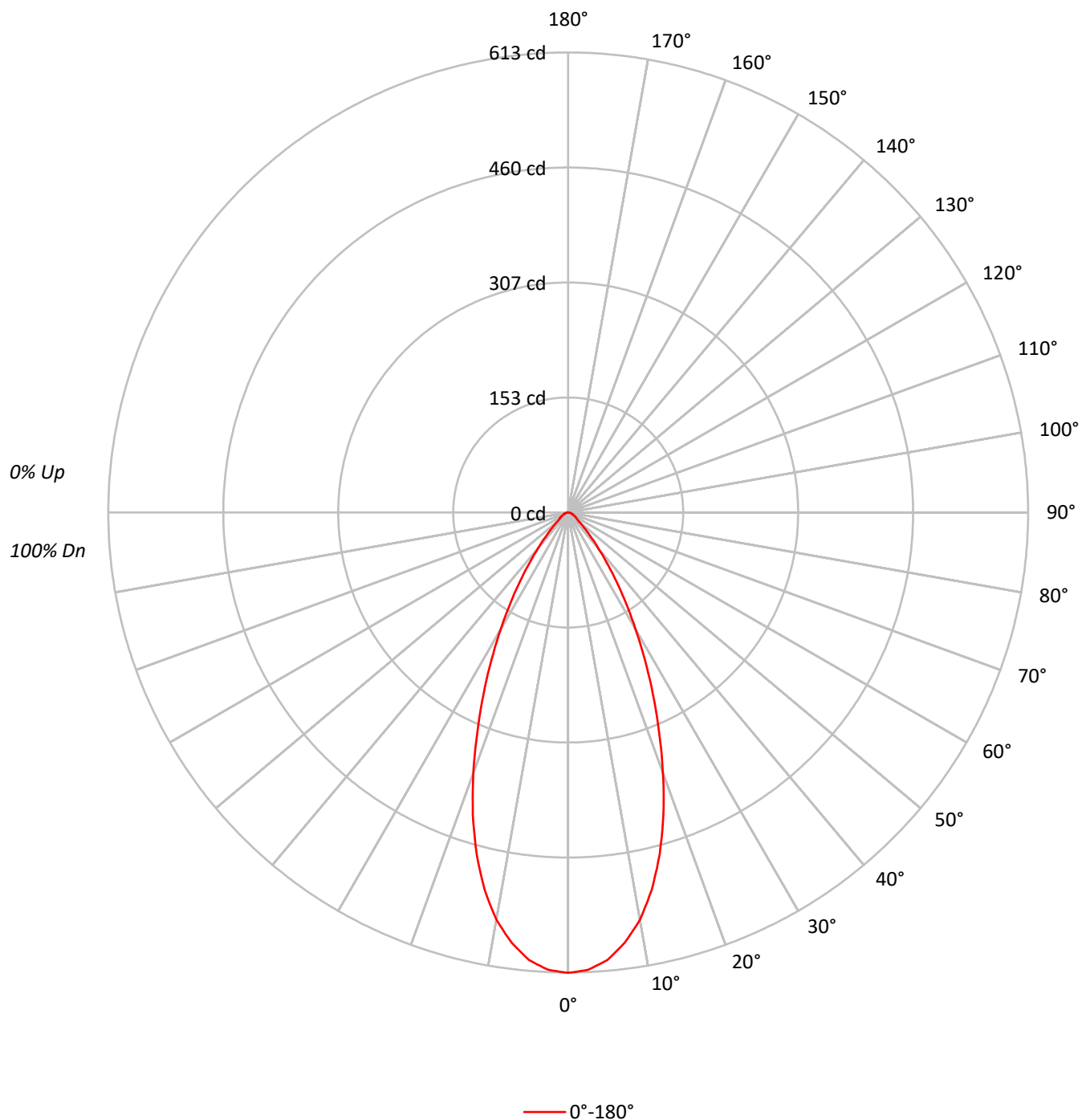
Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	134507
5°	131785
10°	122710
15°	106947
20°	86201
25°	64601
30°	45425
35°	29767
40°	18005
45°	10761
50°	6413
55°	5161
60°	4649
65°	3943
70°	3783
75°	2965
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	12.9
10°-20°	129.8	30.0
20°-30°	122.3	28.3
30°-40°	70.7	16.4
40°-50°	28.2	6.5
50°-60°	12.5	2.9
60°-70°	7.7	1.8
70°-80°	4.0	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°	307.6	71.2
0°-40°	378.3	87.6
0°-60°	419.0	97.0
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	613	
5°	599	56
15°	471	130
25°	267	122
35°	111	71
45°	35	28
55°	14	12
65°	8	8
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	613.4
2.5°	609.9
5°	598.7
7.5°	578.1
10°	551.1
12.5°	514.6
15°	471.1
17.5°	422.3
20°	369.4
22.5°	316.4
25°	267.0
27.5°	221.1
30°	179.4
32.5°	142.9
35°	111.2
37.5°	84.1
40°	62.9
42.5°	47.1
45°	34.7
47.5°	25.3
50°	18.8
52.5°	15.3
55°	13.5
57.5°	12.4
60°	10.6
62.5°	8.8
65°	7.6
67.5°	6.5
70°	5.9
72.5°	4.7
75°	3.5
77.5°	2.9
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)