

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: P1294198

Luminaire Tested: P3A09R55W2N902750DE010 E3DLP1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3DLP1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

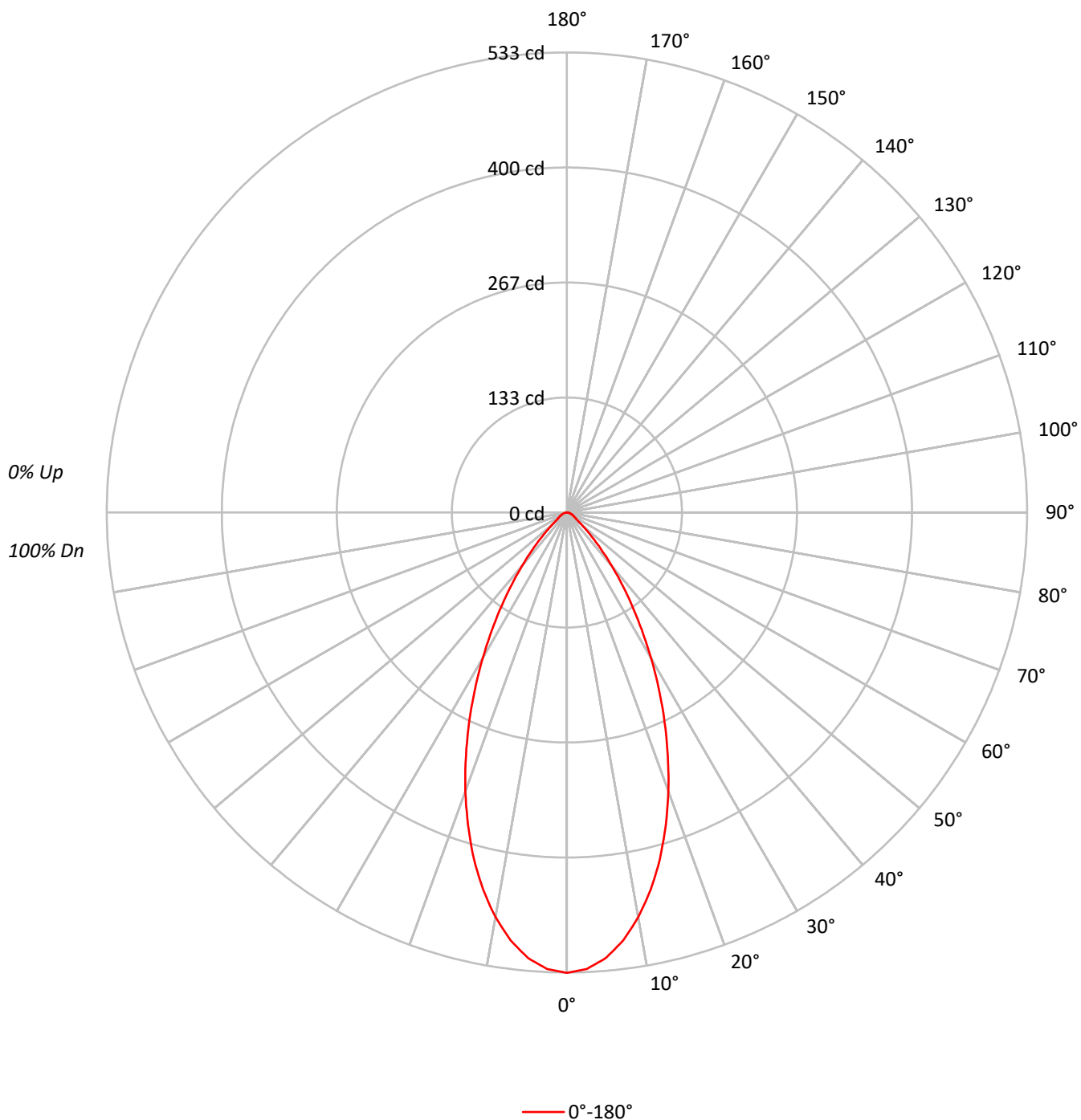
Lumens per Lamp: N/A
Luminaire Lumens: 430.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	107	105	110	108	105	103	104	102	100		100	98	97		97	95	94		92
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	83	80		79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80	77	74		73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69		67
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72	68	64		63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68	63	60		59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56		55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53		52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58	53	50		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116964
5°	114043
10°	106010
15°	94416
20°	80227
25°	64746
30°	49349
35°	35094
40°	23158
45°	13738
50°	8051
55°	4970
60°	4386
65°	3995
70°	3398
75°	2965
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13738 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	11.2
10°-20°	115.3	26.8
20°-30°	122.1	28.4
30°-40°	82.5	19.2
40°-50°	36.2	8.4
50°-60°	12.9	3.0
60°-70°	7.6	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°	285.5	66.4
0°-40°	368.0	85.6
0°-60°	417.1	97.0
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	533	
5°	518	48
15°	416	115
25°	268	122
35°	131	83
45°	44	36
55°	13	13
65°	8	8
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	533.4
2.5°	529.3
5°	518.1
7.5°	499.8
10°	476.1
12.5°	447.8
15°	415.9
17.5°	380.4
20°	343.8
22.5°	305.4
25°	267.6
27.5°	230.4
30°	194.9
32.5°	161.3
35°	131.1
37.5°	104.0
40°	80.9
42.5°	60.8
45°	44.3
47.5°	32.5
50°	23.6
52.5°	16.5
55°	13.0
57.5°	11.8
60°	10.0
62.5°	8.9
65°	7.7
67.5°	6.5
70°	5.3
72.5°	4.7
75°	3.5
77.5°	3.0
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)