

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: P1294185

Luminaire Tested: P3A09R55W2N902750DE010 E3DLD1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3DLD1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

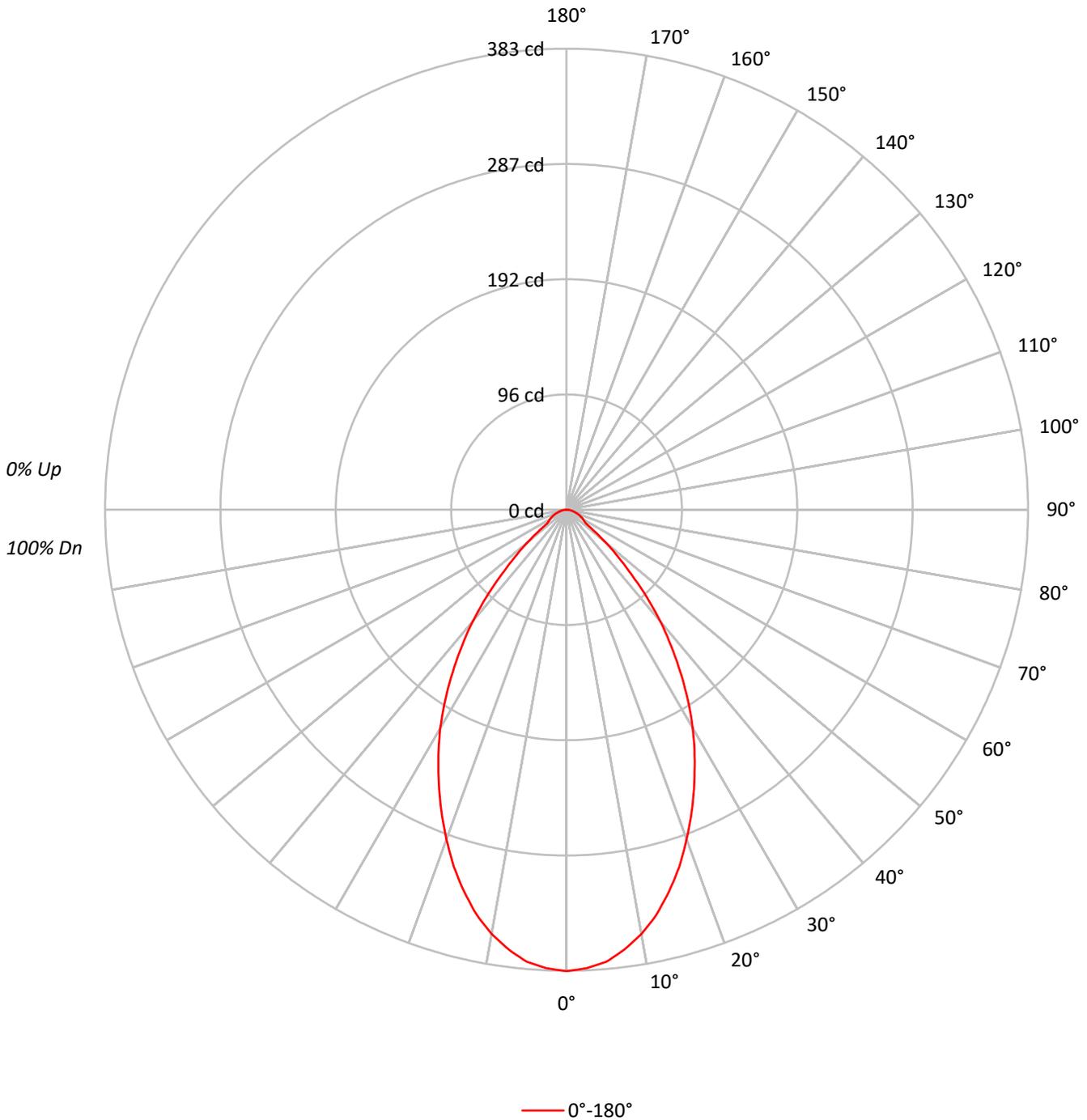
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 447.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	53	50	48
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84050
5°	82985
10°	79691
15°	74552
20°	67999
25°	60681
30°	53071
35°	44089
40°	34751
45°	23568
50°	14396
55°	7455
60°	6929
65°	6590
70°	6091
75°	5338
80°	5304
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	7.9
10°-20°	91.8	20.5
20°-30°	114.9	25.7
30°-40°	102.6	22.9
40°-50°	60.1	13.4
50°-60°	20.7	4.6
60°-70°	12.6	2.8
70°-80°	6.9	1.6
80°-90°	2.0	0.5
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°	242.1	54.2
0°-40°	344.7	77.1
0°-60°	425.5	95.2
0°-90°	447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	447.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	383	
5°	377	35
15°	328	92
25°	251	115
35°	165	103
45°	76	60
55°	20	21
65°	13	13
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	383.3
2.5°	381.2
5°	377.0
7.5°	368.5
10°	357.9
12.5°	344.7
15°	328.4
17.5°	311.0
20°	291.4
22.5°	271.4
25°	250.8
27.5°	230.2
30°	209.6
32.5°	187.4
35°	164.7
37.5°	142.5
40°	121.4
42.5°	98.7
45°	76.0
47.5°	58.1
50°	42.2
52.5°	27.5
55°	19.5
57.5°	17.4
60°	15.8
62.5°	14.3
65°	12.7
67.5°	11.1
70°	9.5
72.5°	7.9
75°	6.3
77.5°	5.3
80°	4.2
82.5°	2.6
85°	1.6
87.5°	1.1
90°	0.0

(END OF REPORT)