

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: P1294100

Luminaire Tested: P3A09R55W2N902750DE010 E3CD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3CD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

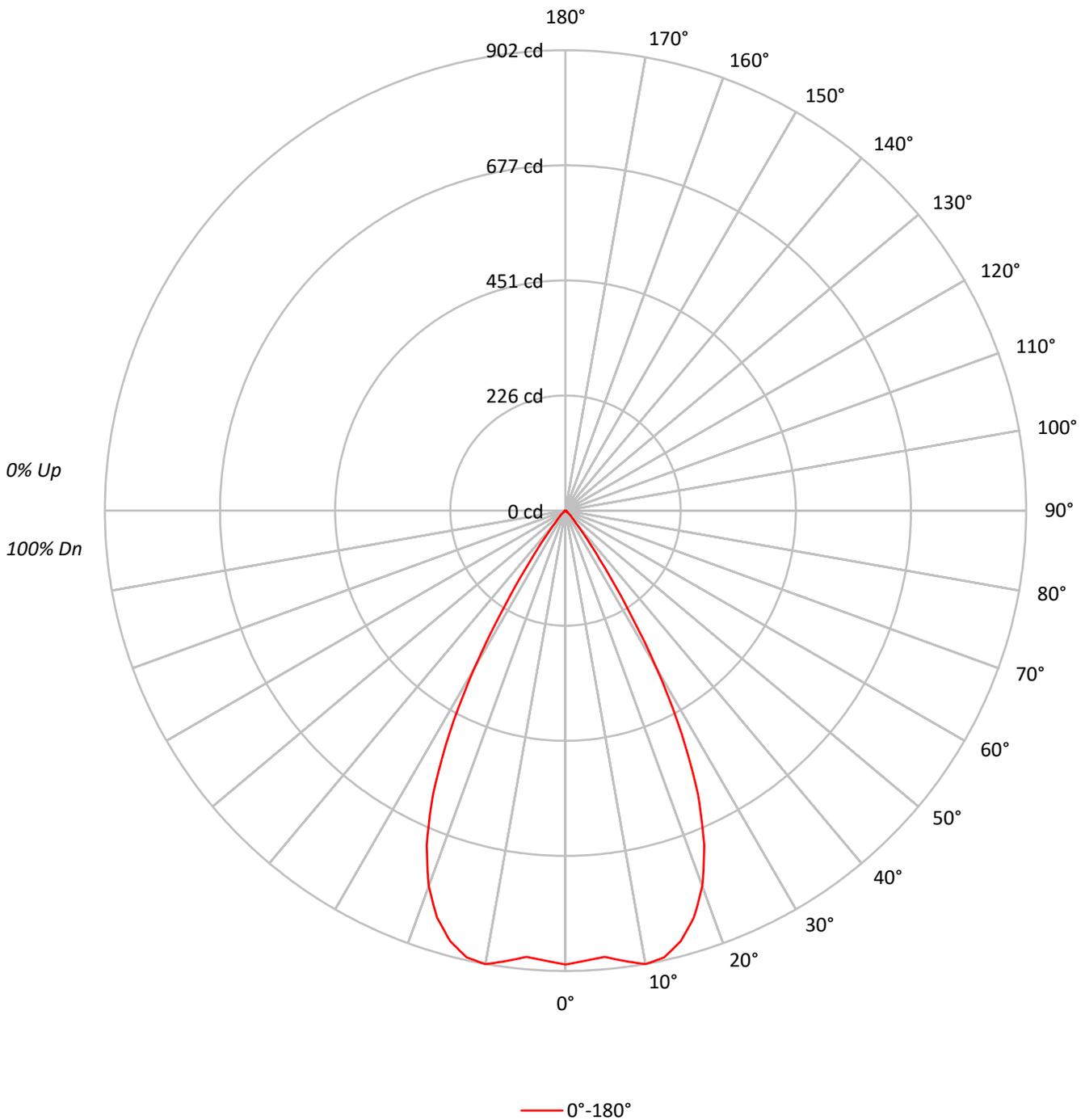
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
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: P1294100
CATALOG NUMBER: P3A09R55W2N902750DE010 E3CD1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1294100

CATALOG NUMBER: P3A09R55W2N902750DE010 E3CD1MW_2700K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94			94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89			89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84			84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79			79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74			74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70			70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66			66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63			63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60			60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194984
5°	193176
10°	200931
15°	198140
20°	182716
25°	148678
30°	90292
35°	31266
40°	8931
45°	4249
50°	1808
55°	803
60°	921
65°	830
70°	705
75°	932
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4249 cd/sqm



TEST NUMBER: P1294100

CATALOG NUMBER: P3A09R55W2N902750DE010 E3CD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	12.1
10°-20°	242.6	34.5
20°-30°	270.4	38.5
30°-40°	88.5	12.6
40°-50°	11.7	1.7
50°-60°	2.5	0.4
60°-70°	1.5	0.2
70°-80°	0.9	0.1
80°-90°	0.2	0.0
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°	597.9	85.0
0°-40°	686.3	97.6
0°-60°	700.5	99.6
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	889	
5°	878	85
15°	873	243
25°	614	270
35°	117	88
45°	14	12
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1294100

CATALOG NUMBER: P3A09R55W2N902750DE010 E3CD1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	889.2
2.5°	882.8
5°	877.6
7.5°	890.2
10°	902.4
12.5°	896.1
15°	872.8
17.5°	835.8
20°	783.0
22.5°	710.1
25°	614.5
27.5°	492.9
30°	356.6
32.5°	218.7
35°	116.8
37.5°	59.2
40°	31.2
42.5°	20.1
45°	13.7
47.5°	9.5
50°	5.3
52.5°	3.2
55°	2.1
57.5°	2.1
60°	2.1
62.5°	1.6
65°	1.6
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)