

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: P1294119

Luminaire Tested: P3A09R55W2N902750DE010 E3D1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294119
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 E3D1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

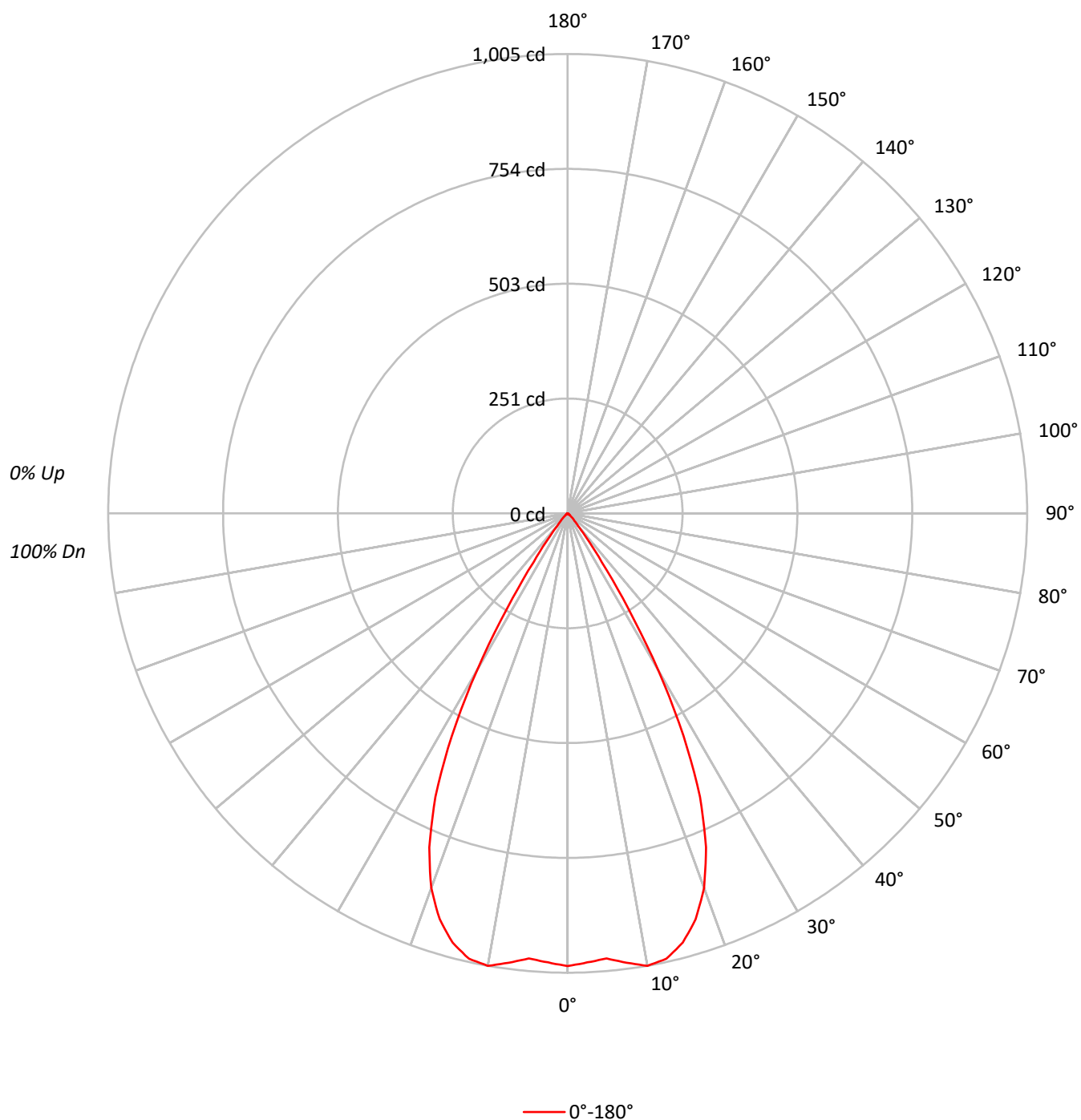
Lumens per Lamp: N/A
Luminaire Lumens: 783.1 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217176
5°	215144
10°	223799
15°	220682
20°	203508
25°	165590
30°	100572
35°	34800
40°	9933
45°	4745
50°	2013
55°	918
60°	1053
65°	934
70°	769
75°	1017
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	12.1
10°-20°	270.2	34.5
20°-30°	301.2	38.5
30°-40°	98.5	12.6
40°-50°	13.0	1.7
50°-60°	2.8	0.4
60°-70°	1.6	0.2
70°-80°	1.0	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°	665.9	85.0
0°-40°	764.4	97.6
0°-60°	780.2	99.6
0°-90°	783.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	990	
5°	977	94
15°	972	270
25°	684	301
35°	130	99
45°	15	13
55°	2	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	990.4
2.5°	983.3
5°	977.4
7.5°	991.5
10°	1005.1
12.5°	998.0
15°	972.1
17.5°	930.9
20°	872.1
22.5°	790.9
25°	684.4
27.5°	549.0
30°	397.2
32.5°	243.6
35°	130.0
37.5°	65.9
40°	34.7
42.5°	22.4
45°	15.3
47.5°	10.6
50°	5.9
52.5°	3.5
55°	2.4
57.5°	2.4
60°	2.4
62.5°	1.8
65°	1.8
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)