

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: P1246566

Luminaire Tested: P3A09R459024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R459024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

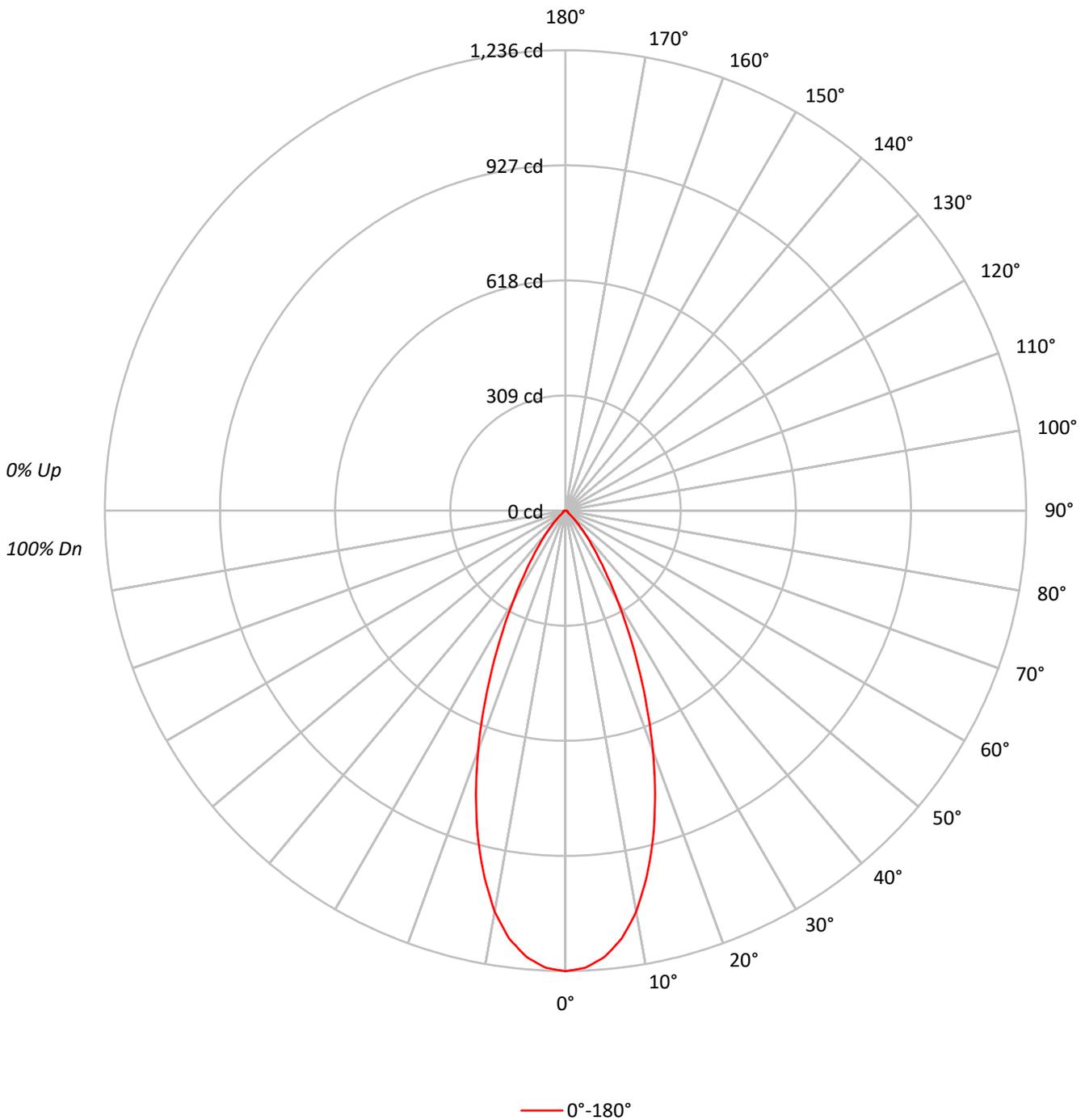
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 722.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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	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	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88				88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83				83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78				78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74				74
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70				70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66				66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62				62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59				59
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°	271141
5°	264780
10°	243393
15°	206244
20°	160011
25°	111853
30°	70467
35°	41492
40°	23473
45°	11412
50°	3957
55°	3211
60°	3114
65°	3009
70°	2885
75°	2711
80°	2399
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11412 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	15.4
10°-20°	249.5	34.6
20°-30°	211.8	29.3
30°-40°	101.1	14.0
40°-50°	30.4	4.2
50°-60°	7.7	1.1
60°-70°	5.8	0.8
70°-80°	3.4	0.5
80°-90°	0.9	0.1
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°	572.7	79.3
0°-40°	673.7	93.3
0°-60°	711.9	98.6
0°-90°	722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1236	
5°	1203	111
15°	908	249
25°	462	212
35°	155	101
45°	37	30
55°	8	8
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1236.5
2.5°	1228.7
5°	1202.9
7.5°	1158.4
10°	1093.1
12.5°	1006.6
15°	908.5
17.5°	799.4
20°	685.7
22.5°	570.1
25°	462.3
27.5°	364.2
30°	278.3
32.5°	209.2
35°	155.0
37.5°	114.3
40°	82.0
42.5°	56.8
45°	36.8
47.5°	20.7
50°	11.6
52.5°	9.0
55°	8.4
57.5°	7.7
60°	7.1
62.5°	6.5
65°	5.8
67.5°	5.2
70°	4.5
72.5°	3.9
75°	3.2
77.5°	2.6
80°	1.9
82.5°	1.3
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)