

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: P1246702

Luminaire Tested: P3A09R709024DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R709024DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

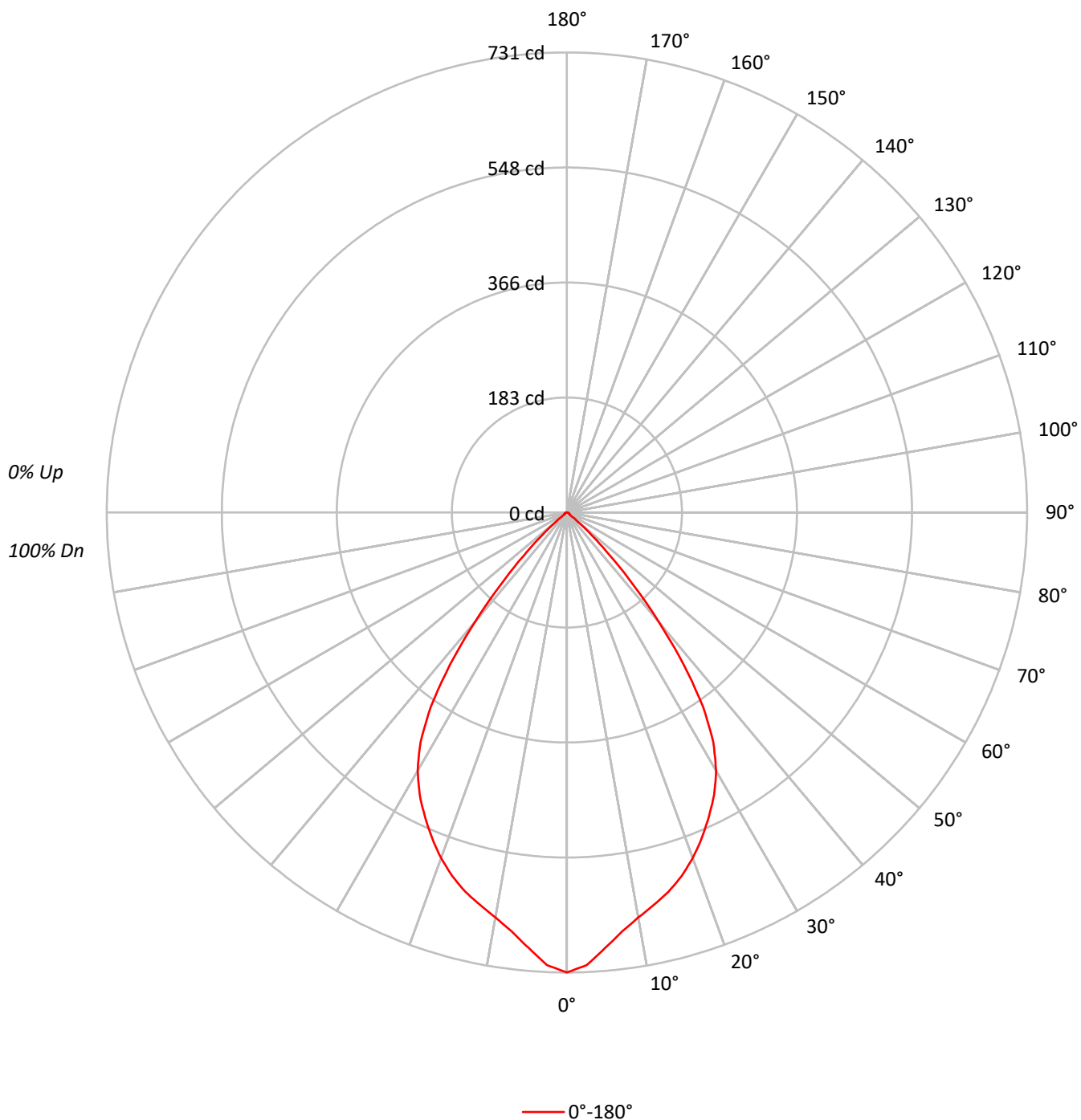
Lumens per Lamp: N/A
Luminaire Lumens: 807.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160250
5°	152916
10°	145488
15°	141590
20°	136372
25°	129056
30°	120044
35°	100840
40°	64979
45°	30205
50°	7914
55°	1988
60°	1974
65°	1660
70°	1667
75°	1610
80°	1642
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30205 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	8.1
10°-20°	175.3	21.7
20°-30°	244.9	30.3
30°-40°	227.0	28.1
40°-50°	81.4	10.1
50°-60°	6.9	0.9
60°-70°	3.4	0.4
70°-80°	2.2	0.3
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°	485.2	60.1
0°-40°	712.2	88.3
0°-60°	800.5	99.2
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	731	
5°	695	65
15°	624	175
25°	533	245
35°	377	227
45°	97	81
55°	5	7
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	730.8
2.5°	719.8
5°	694.7
7.5°	671.4
10°	653.4
12.5°	638.6
15°	623.7
17.5°	605.7
20°	584.4
22.5°	559.9
25°	533.4
27.5°	506.3
30°	474.1
32.5°	432.8
35°	376.7
37.5°	305.1
40°	227.0
42.5°	154.8
45°	97.4
47.5°	54.2
50°	23.2
52.5°	7.7
55°	5.2
57.5°	4.5
60°	4.5
62.5°	3.9
65°	3.2
67.5°	3.2
70°	2.6
72.5°	2.6
75°	1.9
77.5°	1.9
80°	1.3
82.5°	1.3
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)