

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: P1246671

Luminaire Tested: P3A09R659024DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R659024DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

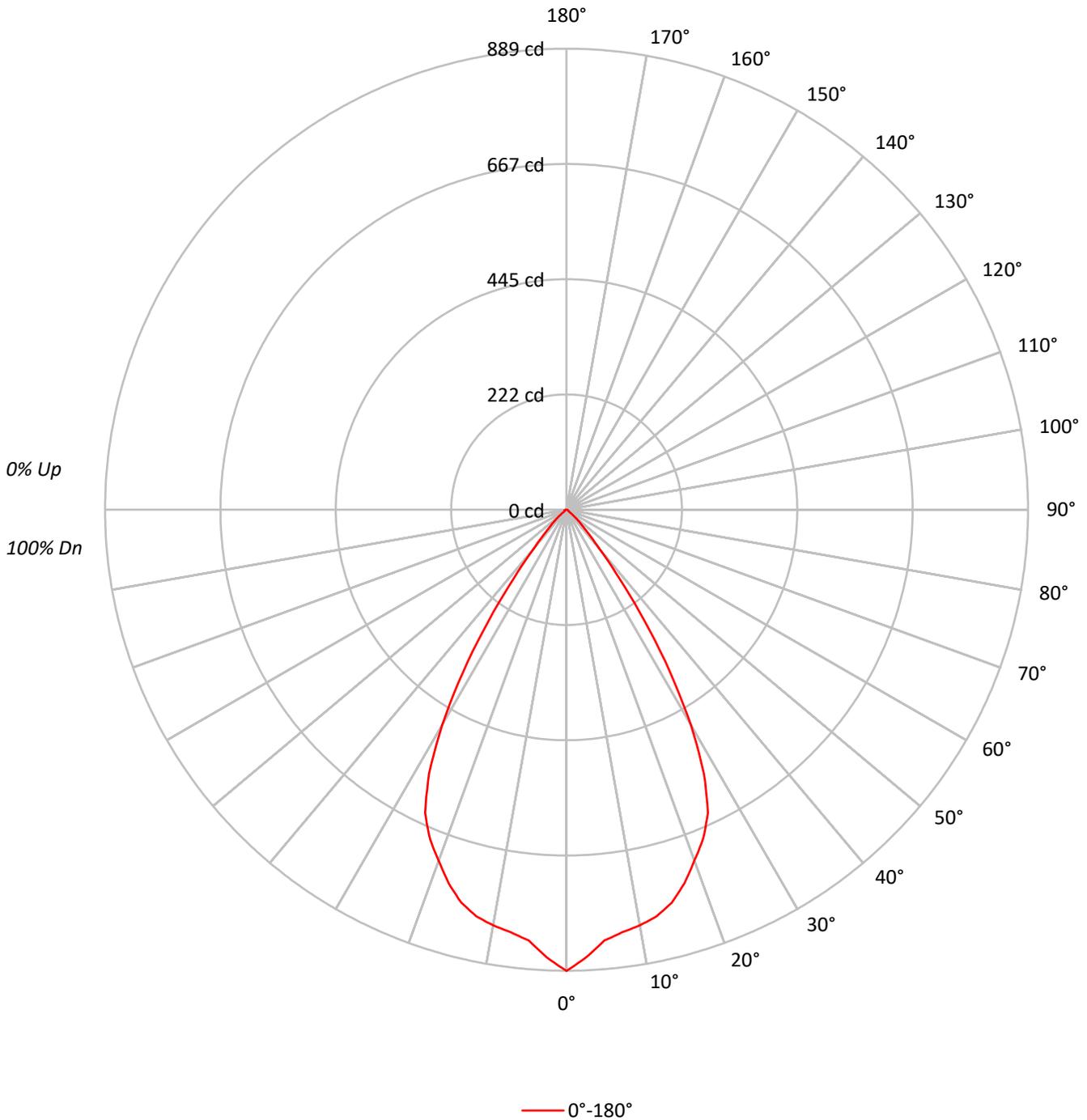
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 797.9 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
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				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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87				87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81				81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75				75
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70				70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66				66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62				62
8	80	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58				58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54				54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	53	60	55	52	51				51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195006
5°	183535
10°	181204
15°	178003
20°	168061
25°	155985
30°	121259
35°	70135
40°	28253
45°	12994
50°	5049
55°	1988
60°	1710
65°	1660
70°	1667
75°	1610
80°	1642
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	9.9
10°-20°	219.0	27.4
20°-30°	286.6	35.9
30°-40°	166.0	20.8
40°-50°	35.5	4.5
50°-60°	5.8	0.7
60°-70°	3.2	0.4
70°-80°	1.9	0.2
80°-90°	0.7	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°	584.9	73.3
0°-40°	750.9	94.1
0°-60°	792.2	99.3
0°-90°	797.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	889	
5°	834	79
15°	784	219
25°	645	287
35°	262	166
45°	42	36
55°	5	6
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	889.3
2.5°	864.2
5°	833.8
7.5°	821.6
10°	813.8
12.5°	802.9
15°	784.1
17.5°	755.1
20°	720.2
22.5°	687.3
25°	644.7
27.5°	573.1
30°	478.9
32.5°	371.1
35°	262.0
37.5°	165.9
40°	98.7
42.5°	62.0
45°	41.9
47.5°	27.1
50°	14.8
52.5°	7.1
55°	5.2
57.5°	4.5
60°	3.9
62.5°	3.9
65°	3.2
67.5°	2.6
70°	2.6
72.5°	1.9
75°	1.9
77.5°	1.3
80°	1.3
82.5°	0.6
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)