

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: P1273665

Luminaire Tested: P3A09R309830DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R309830DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

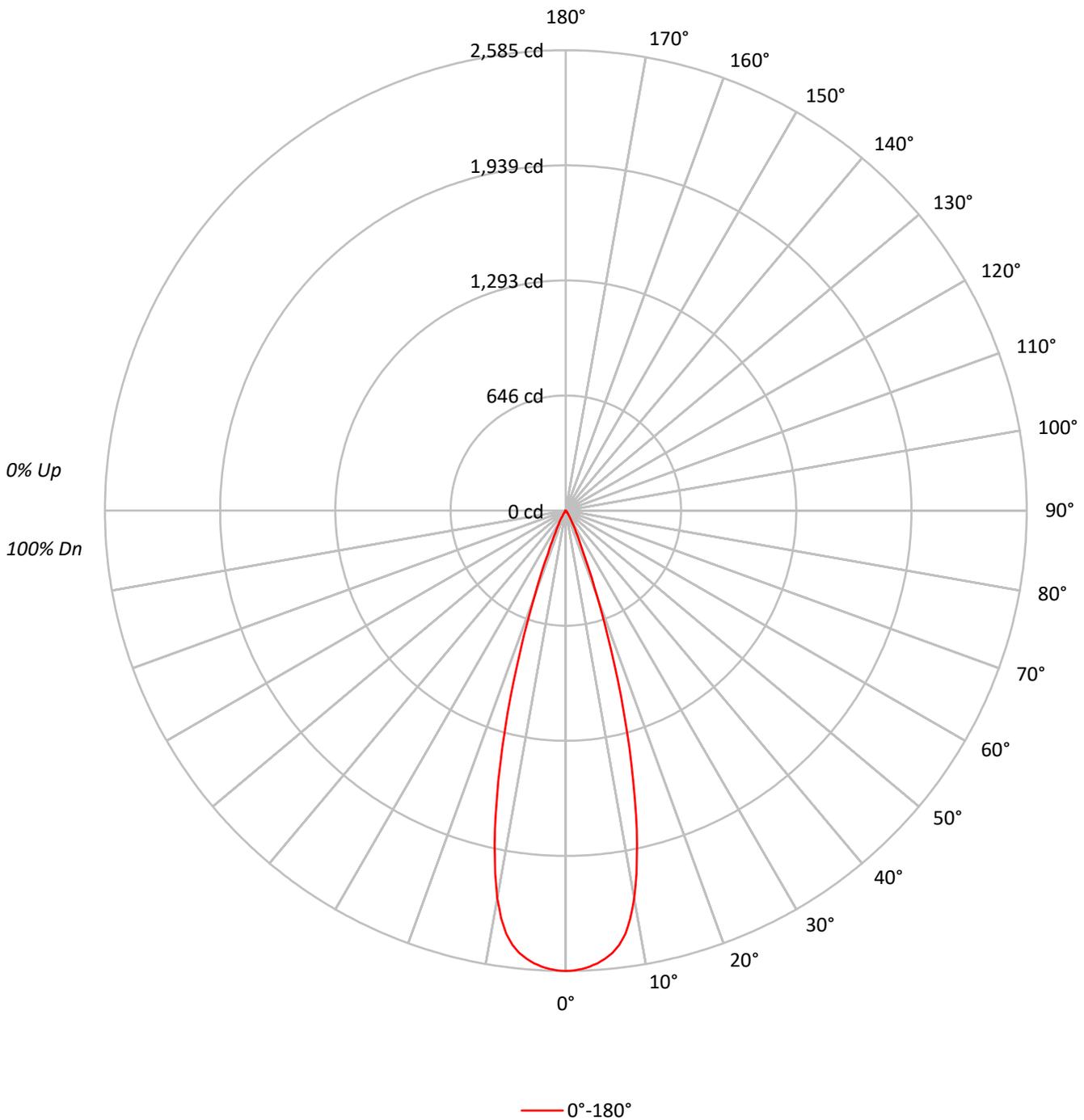
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 695.9 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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			0
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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	89	86	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	86	84	82
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	84	82	80
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	82	79	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	80	77	75
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	78	75	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	566775
5°	556063
10°	492264
15°	311875
20°	118380
25°	35058
30°	13850
35°	4256
40°	1889
45°	682
50°	546
55°	421
60°	482
65°	571
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	33.4
10°-20°	361.9	52.0
20°-30°	84.0	12.1
30°-40°	13.0	1.9
40°-50°	2.2	0.3
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	678.2	97.4
0°-40°	691.2	99.3
0°-60°	694.5	99.8
0°-90°	695.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2585	
5°	2526	232
15°	1374	362
25°	145	84
35°	16	13
45°	2	2
55°	1	1
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2584.7
1°	2583.1
2°	2576.0
3°	2563.9
4°	2548.6
5°	2526.2
6°	2498.3
7°	2456.8
8°	2399.9
9°	2316.3
10°	2210.8
11°	2074.7
12°	1921.0
13°	1750.5
14°	1563.0
15°	1373.8
17.5°	898.7
20°	507.3
22.5°	259.1
25°	144.9
27.5°	89.1
30°	54.7
32.5°	29.5
35°	15.9
37.5°	10.4
40°	6.6
42.5°	3.8
45°	2.2
47.5°	1.6
50°	1.6
52.5°	1.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)