

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: P1273147

Luminaire Tested: P3A02R609830DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R609830DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

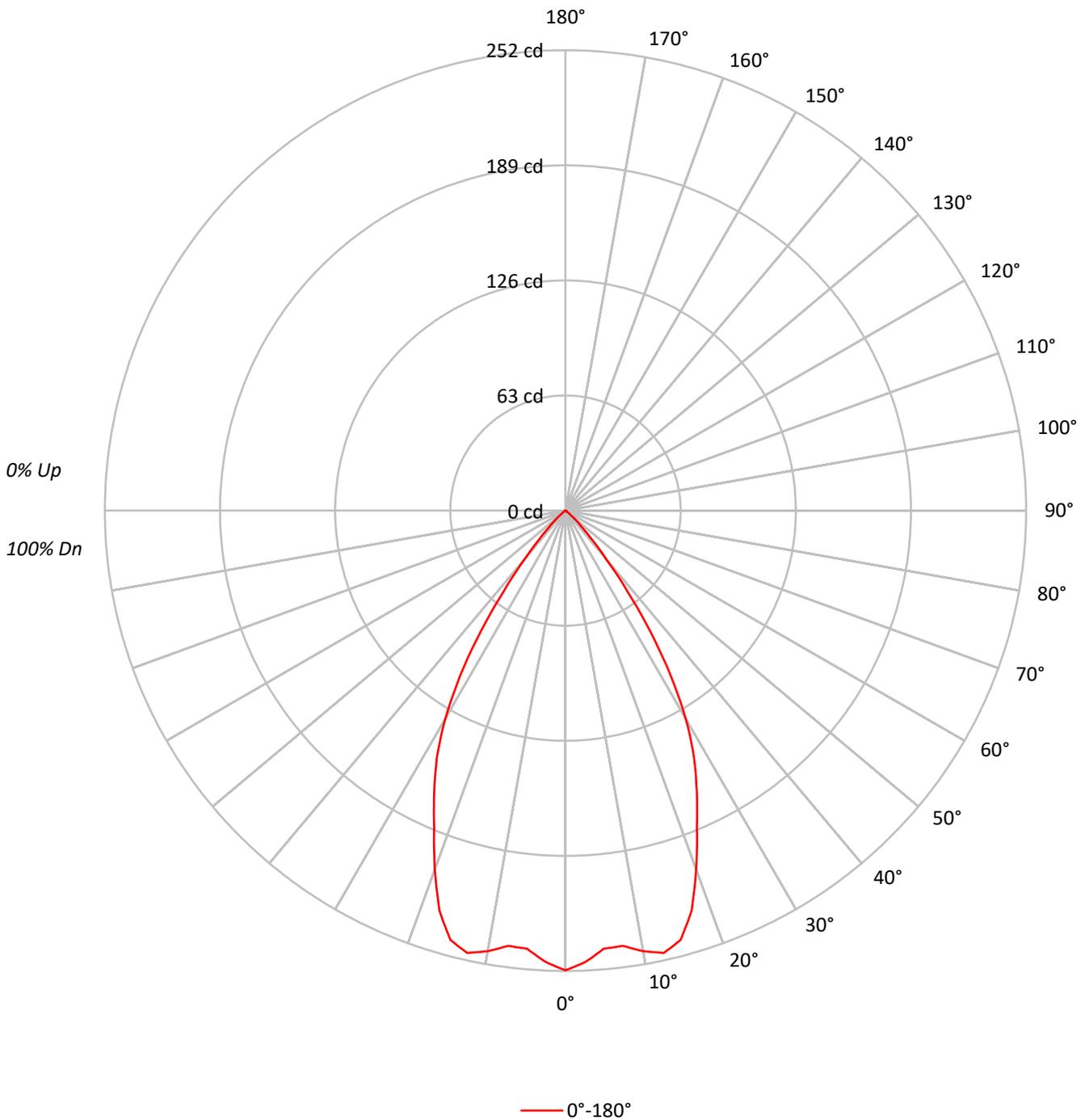
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 231.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	100	98	97	96	95	94				94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87				87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81				81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76				76
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71				71
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	68	66				66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62				62
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58				58
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55				55
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51				51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55171
5°	52982
10°	54530
15°	55233
20°	48771
25°	41107
30°	33347
35°	21710
40°	9962
45°	3814
50°	1296
55°	344
60°	307
65°	259
70°	256
75°	339
80°	253
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	10.0
10°-20°	66.6	28.8
20°-30°	77.7	33.6
30°-40°	50.2	21.7
40°-50°	11.2	4.9
50°-60°	1.1	0.5
60°-70°	0.5	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	167.5	72.5
0°-40°	217.7	94.2
0°-60°	230.0	99.6
0°-90°	231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	252	
5°	241	23
15°	243	67
25°	170	78
35°	81	50
45°	12	11
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	251.6
2.5°	247.4
5°	240.7
7.5°	240.3
10°	244.9
12.5°	248.0
15°	243.3
17.5°	229.4
20°	209.0
22.5°	187.8
25°	169.9
27.5°	152.4
30°	131.7
32.5°	107.4
35°	81.1
37.5°	55.4
40°	34.8
42.5°	20.9
45°	12.3
47.5°	7.1
50°	3.8
52.5°	1.3
55°	0.9
57.5°	0.7
60°	0.7
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)