

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: P1247431

Luminaire Tested: P3A17R609024DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247431
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: P3A17R609024DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

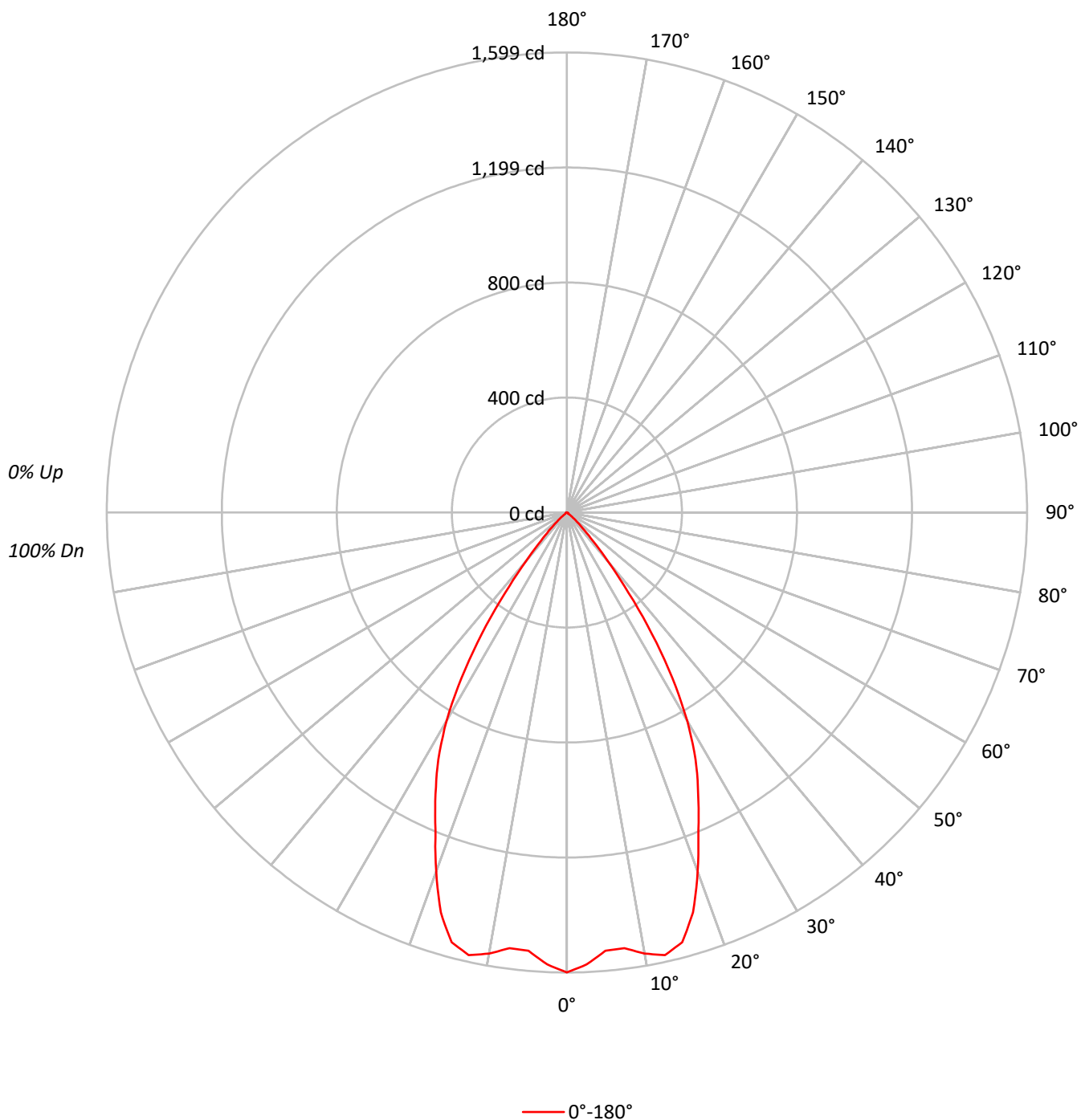
Lumens per Lamp: N/A
Luminaire Lumens: 1467.9 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	114	111	108	106	111	109	106	104	105	103	101		101	100	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	96	91	88	101	95	90	87	92	89	85		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79
6	88	79	73	69	87	79	73	69	77	72	68		76	71	68		74
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70
8	80	70	64	60	78	70	64	60	69	64	60		68	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	56	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	350542
5°	336649
10°	346598
15°	351058
20°	309987
25°	261257
30°	211881
35°	137995
40°	63376
45°	24282
50°	8119
55°	2179
60°	1974
65°	1764
70°	1475
75°	1949
80°	1389
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24282 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	10.0
10°-20°	423.5	28.8
20°-30°	493.9	33.6
30°-40°	318.7	21.7
40°-50°	71.4	4.9
50°-60°	7.1	0.5
60°-70°	3.4	0.2
70°-80°	2.0	0.1
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°	1064.6	72.5
0°-40°	1383.4	94.2
0°-60°	1461.9	99.6
0°-90°	1467.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1467.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1599	
5°	1529	147
15°	1546	423
25°	1080	494
35°	516	319
45°	78	71
55°	6	7
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1598.6
2.5°	1572.5
5°	1529.4
7.5°	1527.1
10°	1556.6
12.5°	1575.9
15°	1546.4
17.5°	1457.8
20°	1328.4
22.5°	1193.3
25°	1079.8
27.5°	968.5
30°	836.8
32.5°	682.4
35°	515.5
37.5°	352.0
40°	221.4
42.5°	132.8
45°	78.3
47.5°	45.4
50°	23.8
52.5°	7.9
55°	5.7
57.5°	4.5
60°	4.5
62.5°	3.4
65°	3.4
67.5°	3.4
70°	2.3
72.5°	2.3
75°	2.3
77.5°	1.1
80°	1.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)