

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: P1247375

Luminaire Tested: P3A17R509024DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R509024DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

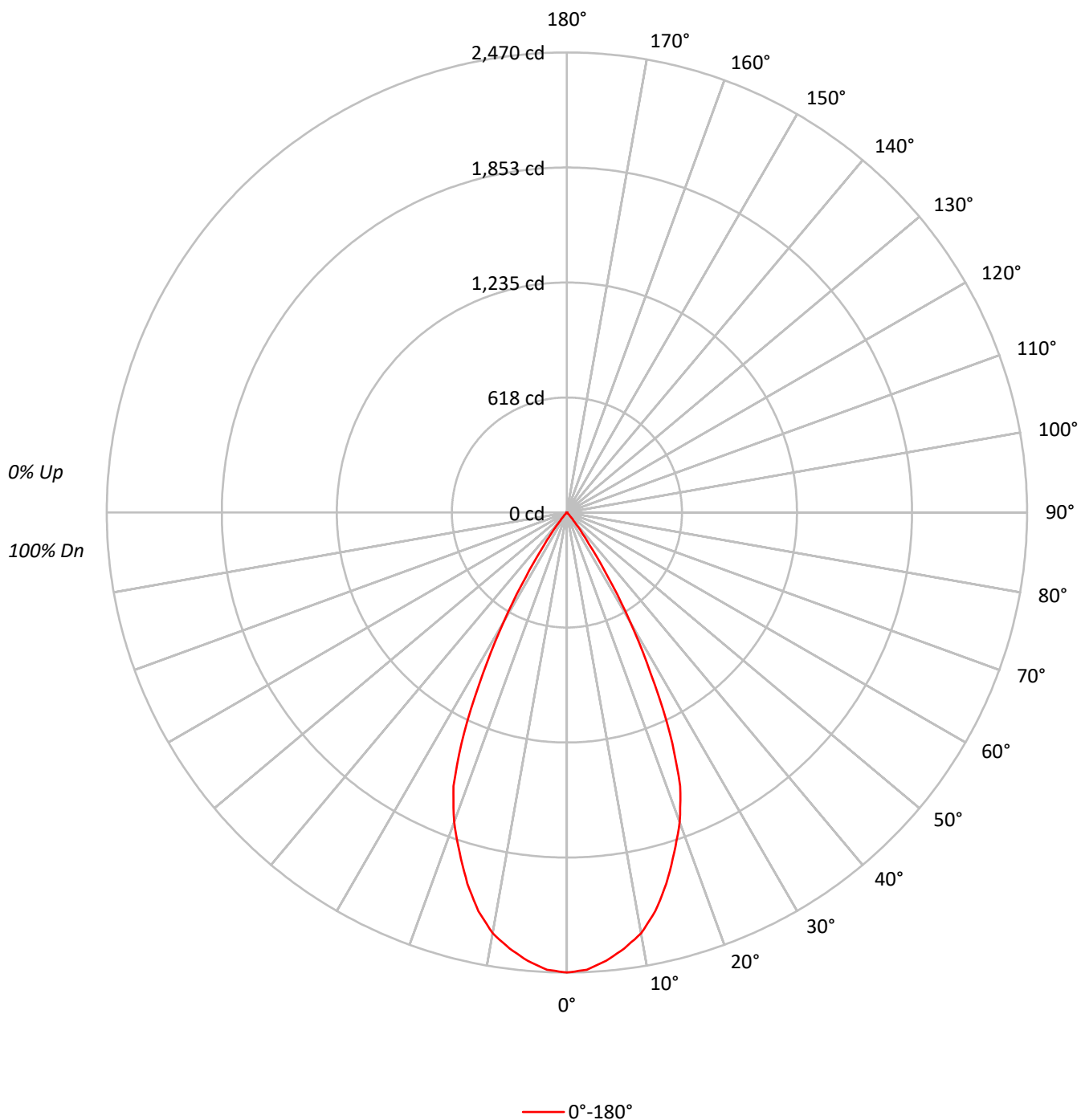
Lumens per Lamp: N/A
Luminaire Lumens: 1554.9 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	109	107	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	541557
5°	531872
10°	510679
15°	468289
20°	412943
25°	316518
30°	172102
35°	55386
40°	13024
45°	1768
50°	1535
55°	1720
60°	1491
65°	1764
70°	1475
75°	1949
80°	1389
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 2768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	14.6
10°-20°	573.4	36.9
20°-30°	574.3	36.9
30°-40°	161.5	10.4
40°-50°	9.7	0.6
50°-60°	3.7	0.2
60°-70°	3.0	0.2
70°-80°	2.0	0.1
80°-90°	0.7	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°	1374.4	88.4
0°-40°	1535.9	98.8
0°-60°	1549.3	99.6
0°-90°	1554.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1554.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2470	
5°	2416	227
15°	2063	573
25°	1308	574
35°	207	161
45°	6	10
55°	4	4
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2469.7
2.5°	2457.2
5°	2416.3
7.5°	2360.6
10°	2293.5
12.5°	2192.4
15°	2062.8
17.5°	1913.9
20°	1769.6
22.5°	1590.0
25°	1308.2
27.5°	974.0
30°	679.7
32.5°	410.3
35°	206.9
37.5°	97.7
40°	45.5
42.5°	17.0
45°	5.7
47.5°	4.5
50°	4.5
52.5°	4.5
55°	4.5
57.5°	3.4
60°	3.4
62.5°	3.4
65°	3.4
67.5°	2.3
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)