

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: P1247330

Luminaire Tested: P3A17R409024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R409024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

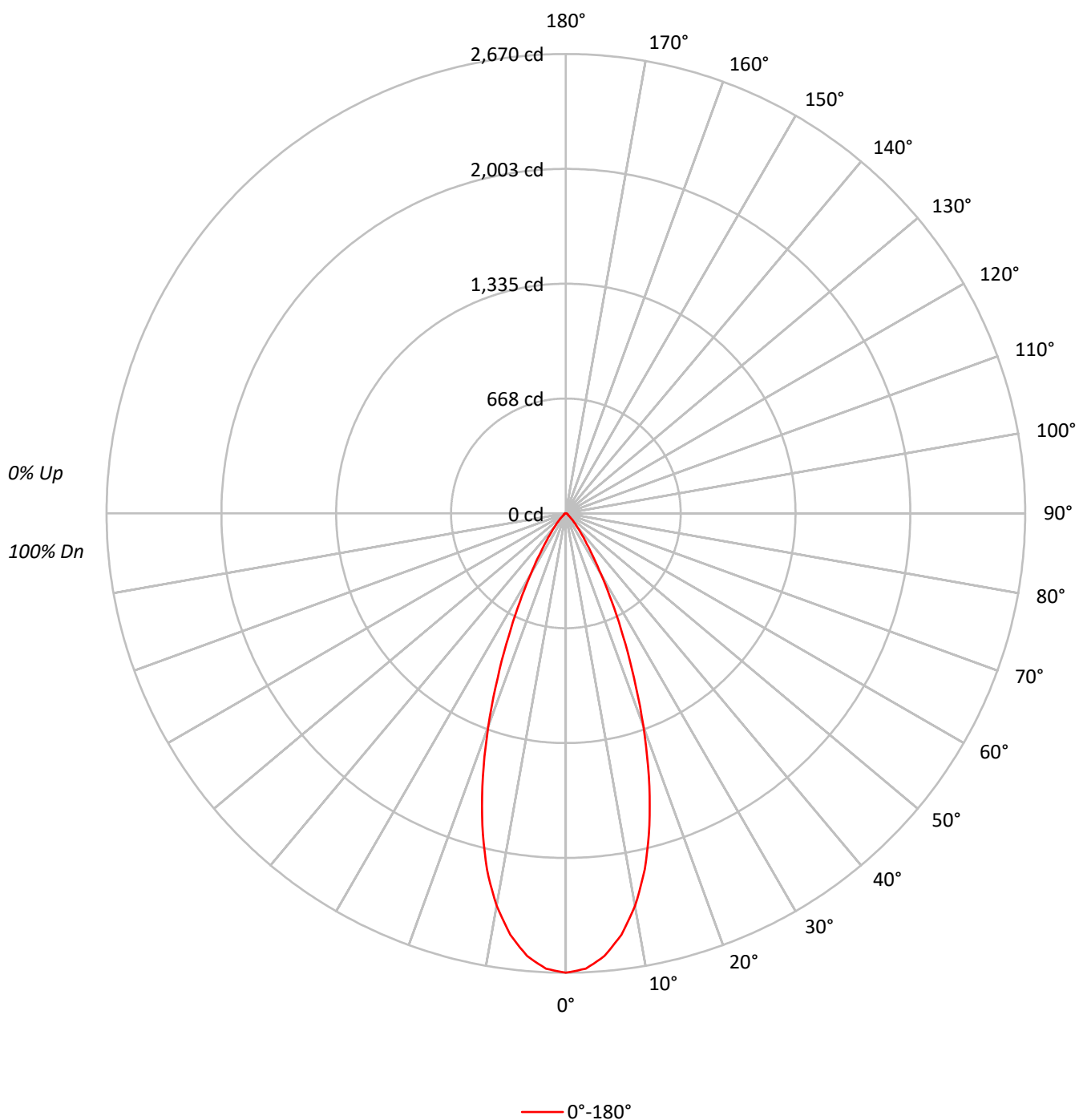
Lumens per Lamp: N/A
Luminaire Lumens: 1323.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1247330

CATALOG NUMBER: P3A17R409024DE010 E3DL1MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		112	109	107	105		105	104	102		102	100	99		98	97	96
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	92	91
3	104	99	94	91		102	97	93	90		95	91	88		92	89	87		90	88	86
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81
5	96	88	83	79		94	88	83	79		86	82	78		84	81	78		83	80	77
6	92	84	79	75		91	83	78	75		82	78	74		81	77	74		79	76	73
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	68		84	76	71	67		75	70	67		74	70	67		73	69	67
9	82	73	68	64		81	73	68	64		72	67	64		71	67	64		70	66	64
10	78	70	65	62		78	70	65	61		69	64	61		68	64	61		67	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	585414
5°	568411
10°	515822
15°	426132
20°	307397
25°	190124
30°	102927
35°	53190
40°	28940
45°	16188
50°	8119
55°	6079
60°	5482
65°	5292
70°	5065
75°	4829
80°	4293
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16188 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.0	18.0
10°-20°	511.1	38.6
20°-30°	364.8	27.6
30°-40°	134.3	10.1
40°-50°	42.3	3.2
50°-60°	14.7	1.1
60°-70°	10.1	0.8
70°-80°	6.0	0.5
80°-90°	1.7	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°	1113.9	84.2
0°-40°	1248.2	94.3
0°-60°	1305.2	98.7
0°-90°	1323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2670	
5°	2582	238
15°	1877	511
25°	786	365
35°	199	134
45°	52	42
55°	16	15
65°	10	10
75°	6	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2669.7
2.5°	2649.3
5°	2582.3
7.5°	2471.0
10°	2316.6
12.5°	2120.1
15°	1877.1
17.5°	1604.6
20°	1317.3
22.5°	1034.5
25°	785.8
27.5°	576.9
30°	406.5
32.5°	285.0
35°	198.7
37.5°	140.8
40°	101.1
42.5°	72.7
45°	52.2
47.5°	35.2
50°	23.8
52.5°	17.0
55°	15.9
57.5°	14.8
60°	12.5
62.5°	11.4
65°	10.2
67.5°	9.1
70°	7.9
72.5°	6.8
75°	5.7
77.5°	4.5
80°	3.4
82.5°	2.3
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)