

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: P1246952

Luminaire Tested: P3A13R409024DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246952
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: P3A13R409024DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

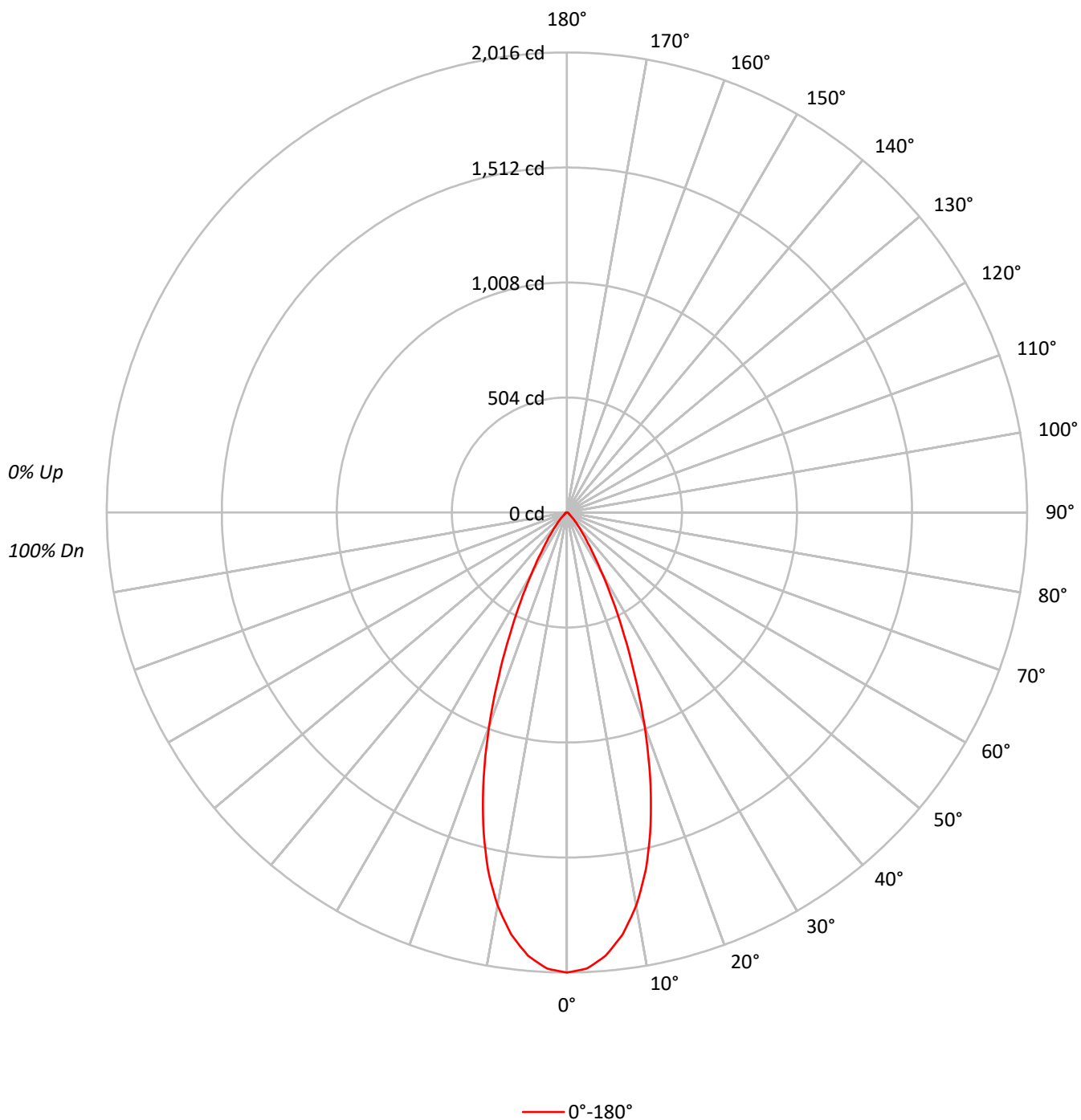
Lumens per Lamp: N/A
Luminaire Lumens: 999.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
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	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	91	83	78	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	68	84	76	71	67	75	70	67		74	70	67		73
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	442048
5°	429209
10°	389483
15°	321773
20°	232117
25°	143573
30°	77733
35°	40181
40°	21841
45°	12218
50°	6141
55°	4588
60°	4122
65°	3995
70°	3847
75°	3643
80°	3283
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.7	18.0
10°-20°	386.0	38.6
20°-30°	275.4	27.6
30°-40°	101.4	10.1
40°-50°	31.9	3.2
50°-60°	11.1	1.1
60°-70°	7.6	0.8
70°-80°	4.5	0.5
80°-90°	1.3	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°	841.1	84.2
0°-40°	942.5	94.3
0°-60°	985.6	98.7
0°-90°	999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	999.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2016	
5°	1950	180
15°	1417	386
25°	593	275
35°	150	101
45°	39	32
55°	12	11
65°	8	8
75°	4	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2015.9
2.5°	2000.5
5°	1949.9
7.5°	1865.9
10°	1749.2
12.5°	1600.9
15°	1417.4
17.5°	1211.6
20°	994.7
22.5°	781.2
25°	593.4
27.5°	435.6
30°	307.0
32.5°	215.2
35°	150.1
37.5°	106.3
40°	76.3
42.5°	54.9
45°	39.4
47.5°	26.6
50°	18.0
52.5°	12.9
55°	12.0
57.5°	11.1
60°	9.4
62.5°	8.6
65°	7.7
67.5°	6.9
70°	6.0
72.5°	5.1
75°	4.3
77.5°	3.4
80°	2.6
82.5°	1.7
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)