

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: P1246535

Luminaire Tested: P3A09R409024DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R409024DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

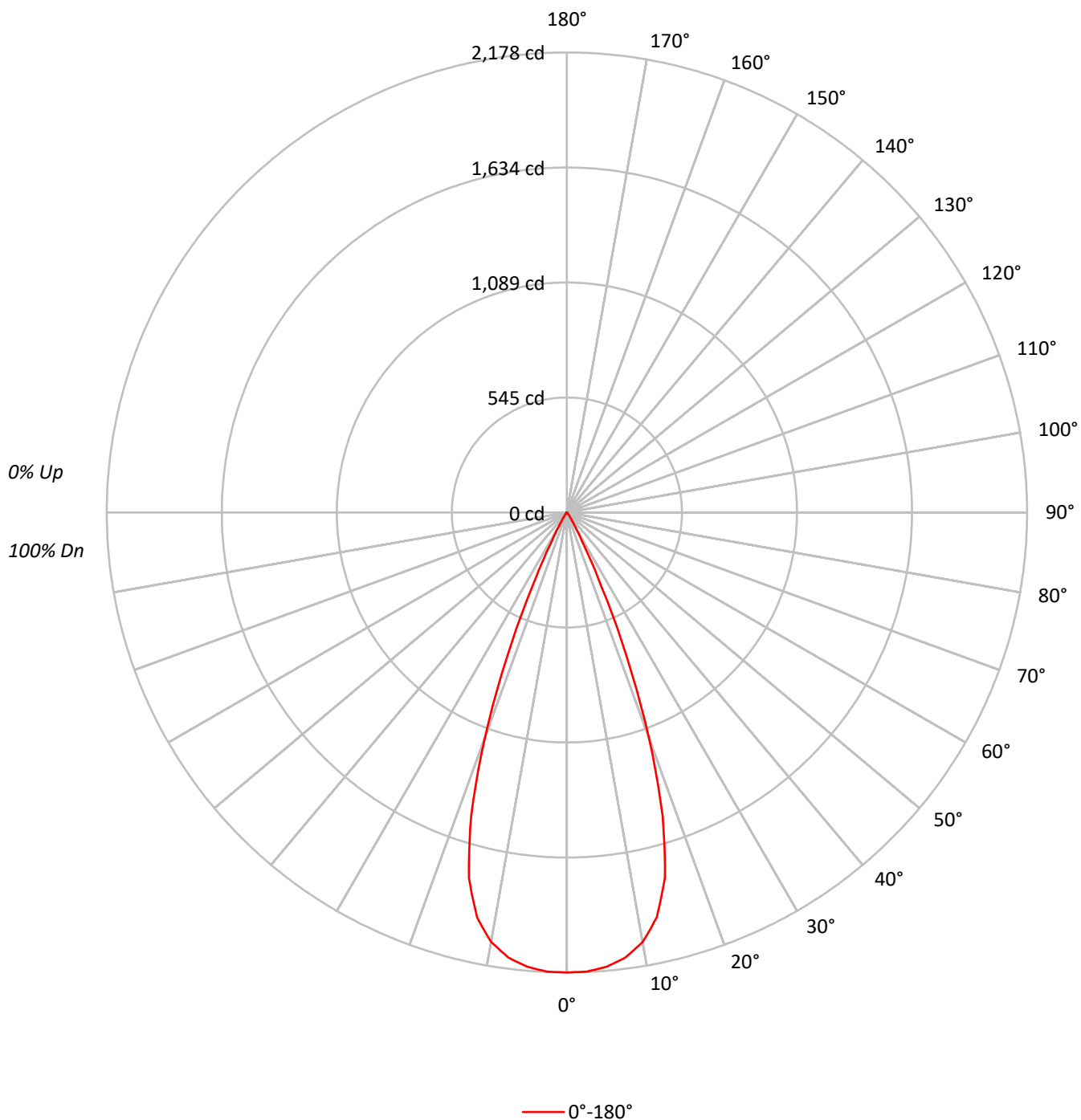
Lumens per Lamp: N/A
Luminaire Lumens: 906.9 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1246535

CATALOG NUMBER: P3A09R409024DE010 E3D1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246535

CATALOG NUMBER: P3A09R409024DE010 E3D1MW

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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477549
5°	475257
10°	459778
15°	406767
20°	265393
25°	94022
30°	19927
35°	6558
40°	2405
45°	806
50°	648
55°	726
60°	570
65°	675
70°	385
75°	508
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 1008 cd/sqm

TEST NUMBER: P1246535

CATALOG NUMBER: P3A09R409024DE010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.2	22.4
10°-20°	473.1	52.2
20°-30°	205.3	22.6
30°-40°	18.9	2.1
40°-50°	2.7	0.3
50°-60°	1.6	0.2
60°-70°	1.2	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	881.6	97.2
0°-40°	900.5	99.3
0°-60°	904.8	99.8
0°-90°	906.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2178	
5°	2159	203
15°	1792	473
25°	389	205
35°	24	19
45°	3	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1246535

CATALOG NUMBER: P3A09R409024DE010 E3D1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2177.8
2.5°	2175.3
5°	2159.1
7.5°	2124.9
10°	2064.9
12.5°	1963.5
15°	1791.8
17.5°	1507.2
20°	1137.3
22.5°	738.4
25°	388.6
27.5°	167.2
30°	78.7
32.5°	42.6
35°	24.5
37.5°	14.8
40°	8.4
42.5°	4.5
45°	2.6
47.5°	1.9
50°	1.9
52.5°	1.9
55°	1.9
57.5°	1.9
60°	1.3
62.5°	1.3
65°	1.3
67.5°	1.3
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)