

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: P1246543

Luminaire Tested: P3A09R409024DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246543
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: P3A09R409024DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

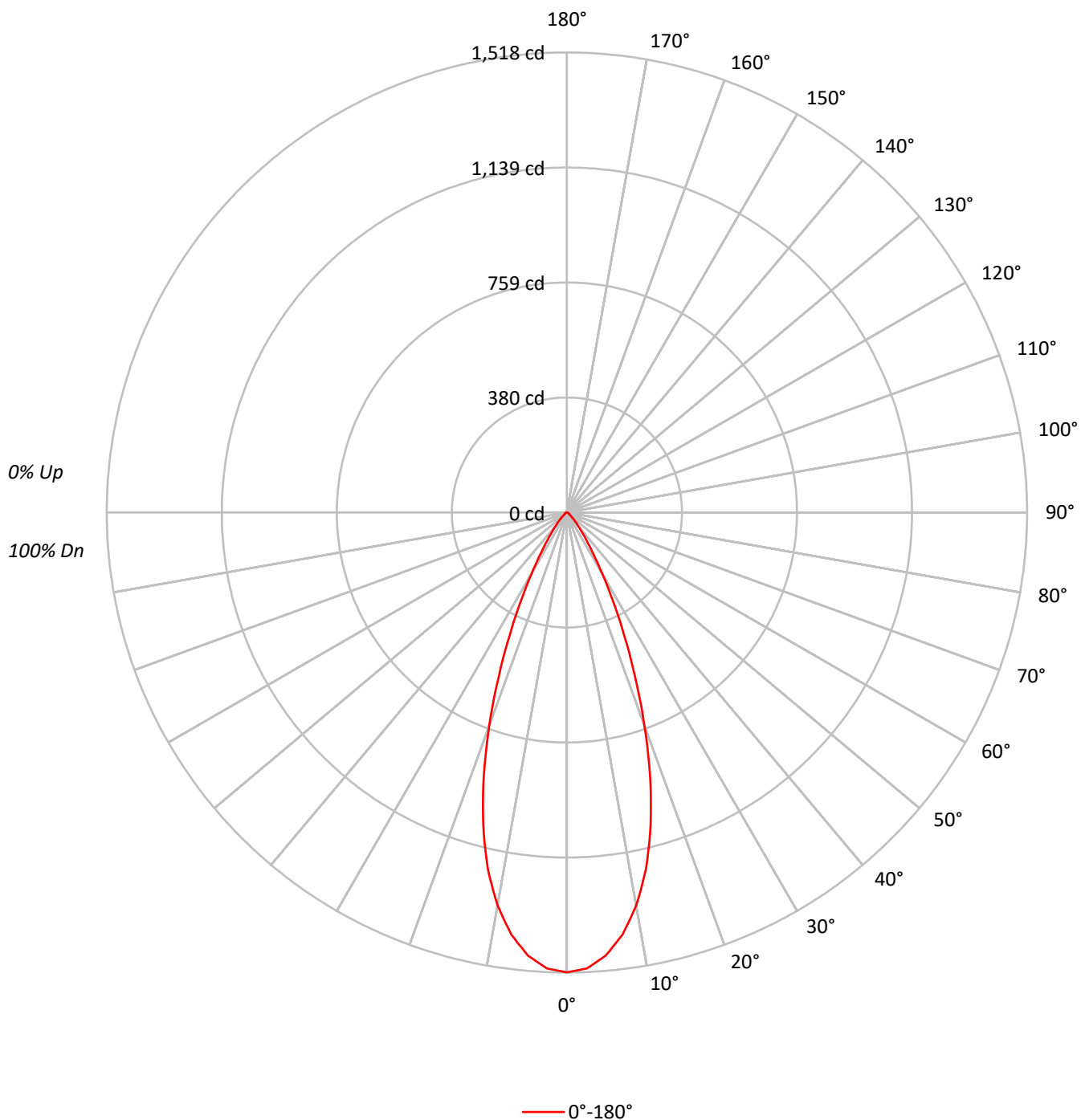
Lumens per Lamp: N/A
Luminaire Lumens: 752.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1246543

CATALOG NUMBER: P3A09R409024DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1246543

CATALOG NUMBER: P3A09R409024DE010 E3DL1WMH

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°	332758
5°	323090
10°	293181
15°	242203
20°	174712
25°	108079
30°	58515
35°	30249
40°	16431
45°	9210
50°	4640
55°	3441
60°	3114
65°	3009
70°	2885
75°	2711
80°	2399
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9210 cd/sqm

TEST NUMBER: P1246543

CATALOG NUMBER: P3A09R409024DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	18.0
10°-20°	290.5	38.6
20°-30°	207.3	27.6
30°-40°	76.3	10.1
40°-50°	24.0	3.2
50°-60°	8.4	1.1
60°-70°	5.8	0.8
70°-80°	3.4	0.5
80°-90°	0.9	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°	633.2	84.2
0°-40°	709.5	94.3
0°-60°	741.9	98.7
0°-90°	752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1518	
5°	1468	135
15°	1067	291
25°	447	207
35°	113	76
45°	30	24
55°	9	8
65°	6	6
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1246543

CATALOG NUMBER: P3A09R409024DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1517.5
2.5°	1505.9
5°	1467.8
7.5°	1404.5
10°	1316.7
12.5°	1205.1
15°	1066.9
17.5°	912.0
20°	748.7
22.5°	588.0
25°	446.7
27.5°	327.9
30°	231.1
32.5°	162.0
35°	113.0
37.5°	80.0
40°	57.4
42.5°	41.3
45°	29.7
47.5°	20.0
50°	13.6
52.5°	9.7
55°	9.0
57.5°	8.4
60°	7.1
62.5°	6.5
65°	5.8
67.5°	5.2
70°	4.5
72.5°	3.9
75°	3.2
77.5°	2.6
80°	1.9
82.5°	1.3
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)