

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: P1248733

Luminaire Tested: P3AS09R109027DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R109027DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

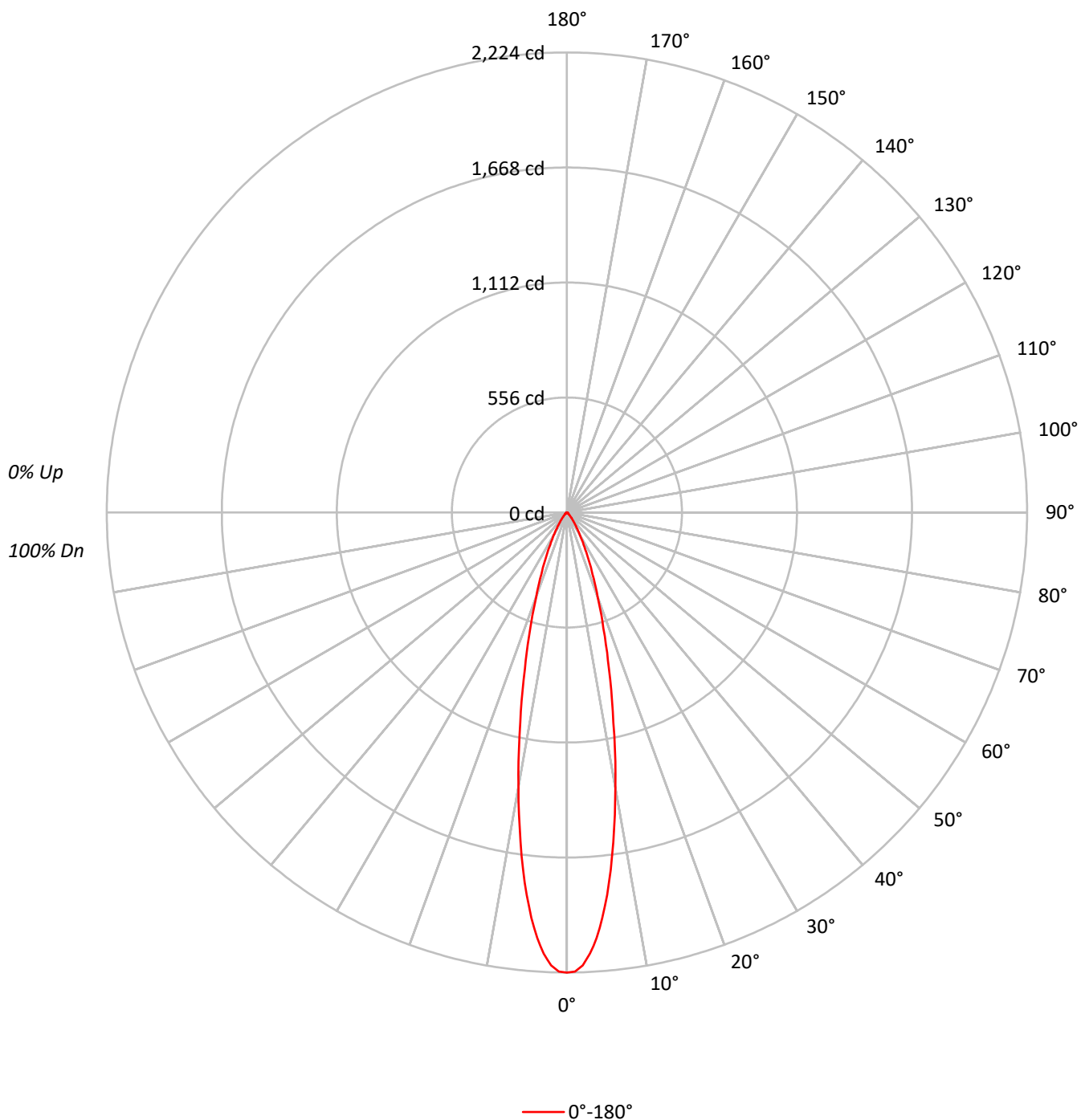
Lumens per Lamp: N/A
Luminaire Lumens: 571.1 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	487790
5°	432973
10°	300685
15°	177822
20°	101275
25°	57899
30°	32030
35°	17079
40°	9446
45°	5117
50°	3207
55°	2523
60°	2193
65°	2024
70°	1795
75°	1864
80°	1389
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	29.3
10°-20°	220.8	38.7
20°-30°	113.7	19.9
30°-40°	42.7	7.5
40°-50°	14.0	2.4
50°-60°	6.0	1.1
60°-70°	3.8	0.7
70°-80°	2.3	0.4
80°-90°	0.6	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°	501.7	87.8
0°-40°	544.4	95.3
0°-60°	564.4	98.8
0°-90°	571.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2224	
5°	1967	167
15°	783	221
25°	239	114
35°	64	43
45°	16	14
55°	7	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2224.5
1°	2220.1
2°	2190.9
3°	2135.4
4°	2062.2
5°	1967.0
6°	1859.2
7°	1741.0
8°	1609.5
9°	1479.7
10°	1350.4
12.5°	1039.1
15°	783.3
17.5°	586.4
20°	434.0
22.5°	324.0
25°	239.3
27.5°	174.4
30°	126.5
32.5°	89.7
35°	63.8
37.5°	45.7
40°	33.0
42.5°	23.7
45°	16.5
47.5°	12.1
50°	9.4
52.5°	7.7
55°	6.6
57.5°	5.5
60°	5.0
62.5°	4.4
65°	3.9
67.5°	3.3
70°	2.8
72.5°	2.8
75°	2.2
77.5°	1.7
80°	1.1
82.5°	1.1
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)