

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: P1273902

Luminaire Tested: P3A09R709830DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R709830DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

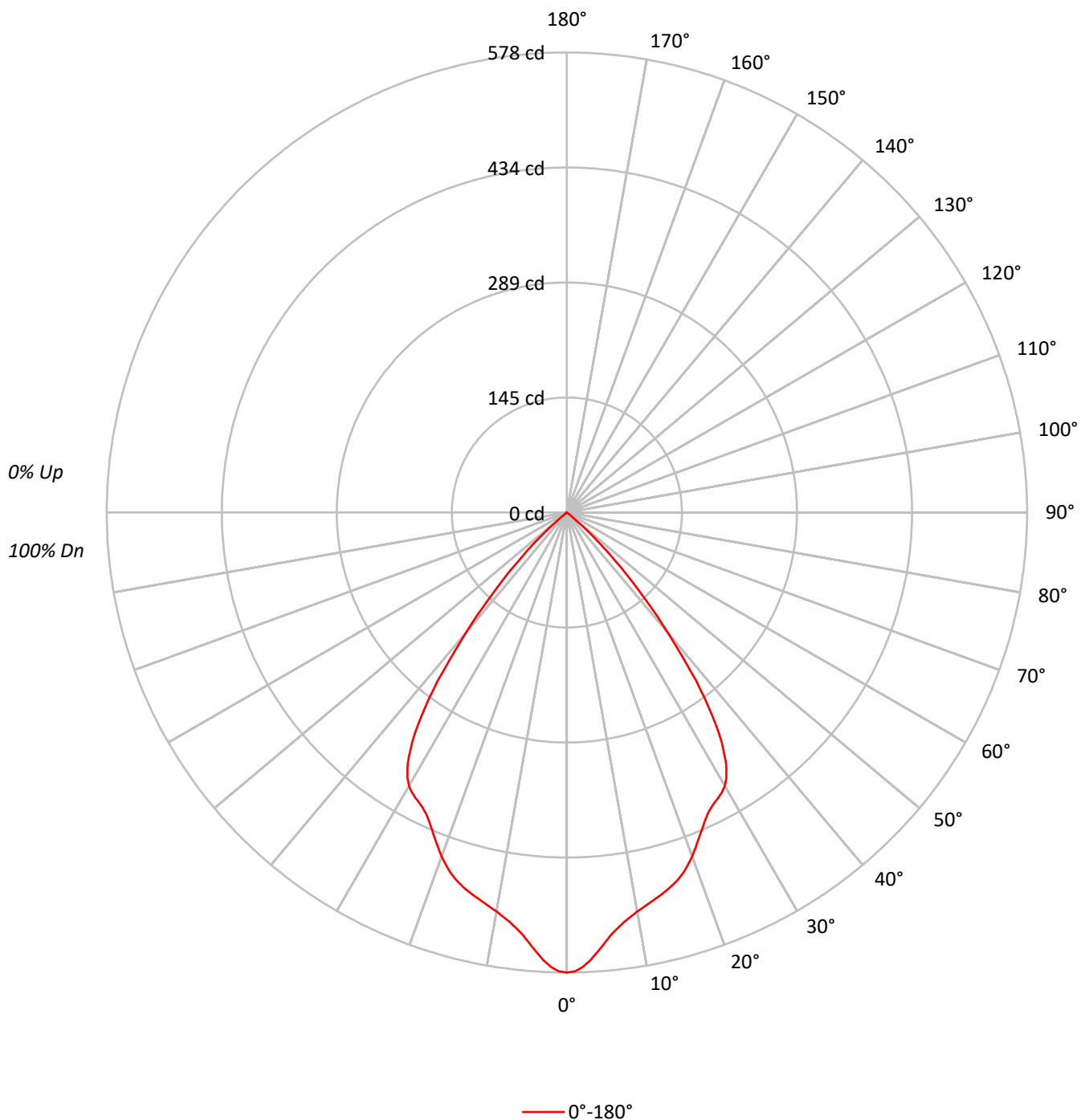
Lumens per Lamp: N/A
Luminaire Lumens: 652.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1273902

CATALOG NUMBER: P3A09R709830DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1273902

CATALOG NUMBER: P3A09R709830DE010 E3D1WMH

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126766
5°	119546
10°	113358
15°	111306
20°	107296
25°	101135
30°	100421
35°	87455
40°	56563
45°	26731
50°	3753
55°	306
60°	219
65°	259
70°	192
75°	254
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26731 cd/sqm

TEST NUMBER: P1273902

CATALOG NUMBER: P3A09R709830DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	7.8
10°-20°	137.7	21.1
20°-30°	194.8	29.9
30°-40°	195.8	30.0
40°-50°	70.4	10.8
50°-60°	1.9	0.3
60°-70°	0.4	0.1
70°-80°	0.3	0.0
80°-90°	0.0	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°	383.2	58.8
0°-40°	579.0	88.8
0°-60°	651.2	99.9
0°-90°	652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	578	
5°	543	51
15°	490	138
25°	418	195
35°	327	196
45°	86	70
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1273902

CATALOG NUMBER: P3A09R709830DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	578.1
1°	576.5
2°	571.5
3°	563.4
4°	553.2
5°	543.1
6°	533.4
7°	525.9
8°	519.2
9°	513.9
10°	509.1
11°	505.0
12°	501.3
13°	497.5
14°	494.1
15°	490.3
16°	485.8
17°	480.9
18°	475.1
19°	467.8
20°	459.8
21°	451.0
22°	442.1
23°	433.5
24°	425.2
25°	418.0
26°	412.9
27°	408.9
28°	405.7
29°	401.9
30°	396.6
31°	388.8
32°	377.8
32.5°	371.7
33°	363.4
34°	347.1
35°	326.7
36°	304.2
37°	278.8
37.5°	267.0
38°	250.9
39°	222.3
40°	197.6
42.5°	136.8
45°	86.2

TEST NUMBER: P1273902

CATALOG NUMBER: P3A09R709830DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	46.3
50°	11.0
52.5°	1.3
55°	0.8
57.5°	0.8
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)