

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: P1273786

Luminaire Tested: P3A09R509830DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R509830DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

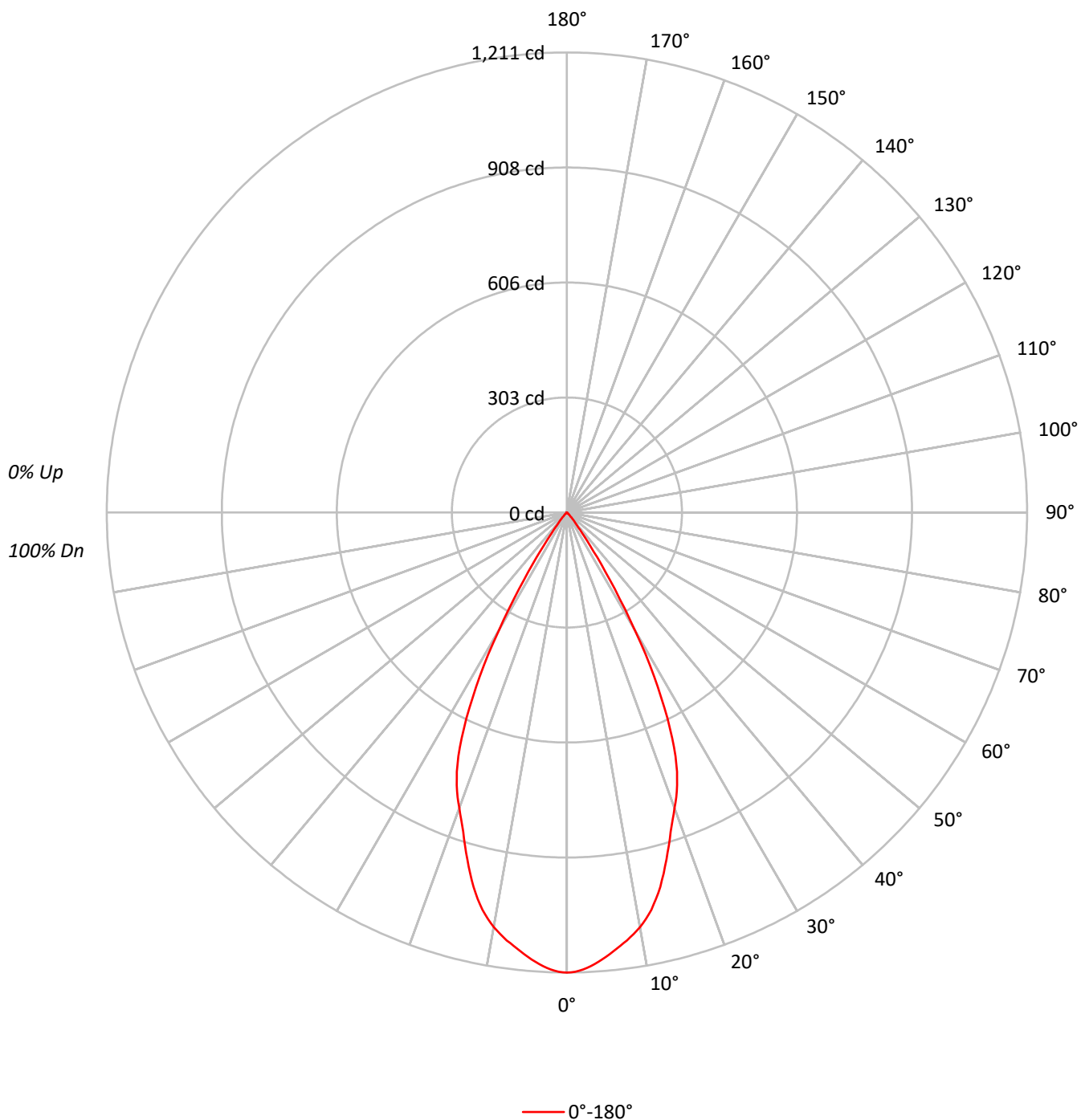
Lumens per Lamp: N/A
Luminaire Lumens: 760.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1273786

CATALOG NUMBER: P3A09R509830DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1273786

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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	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		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	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265593
5°	258529
10°	246711
15°	223338
20°	193217
25°	158501
30°	91052
35°	28268
40°	7586
45°	2667
50°	648
55°	191
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2667 cd/sqm

TEST NUMBER: P1273786

CATALOG NUMBER: P3A09R509830DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	14.5
10°-20°	272.6	35.9
20°-30°	286.5	37.7
30°-40°	82.0	10.8
40°-50°	8.0	1.1
50°-60°	0.6	0.1
60°-70°	0.3	0.0
70°-80°	0.0	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°	669.1	88.0
0°-40°	751.1	98.8
0°-60°	759.7	100.0
0°-90°	760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1211	
5°	1174	110
15°	984	273
25°	655	287
35°	106	82
45°	9	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1273786

CATALOG NUMBER: P3A09R509830DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1211.2
1°	1209.3
2°	1203.9
3°	1196.2
4°	1185.7
5°	1174.5
6°	1162.4
7°	1149.5
8°	1137.4
9°	1123.5
10°	1108.0
11°	1090.0
12°	1069.3
13°	1043.6
14°	1015.7
15°	983.8
16°	950.0
17°	917.3
18°	883.8
19°	854.3
20°	828.0
21°	802.8
22°	774.1
23°	741.1
24°	702.5
25°	655.1
26°	603.6
27°	546.2
28°	489.1
29°	427.4
30°	359.6
31°	296.0
32°	237.6
32.5°	212.1
33°	186.4
34°	142.9
35°	105.6
36°	77.5
37°	57.6
37.5°	49.9
38°	43.2
39°	33.5
40°	26.5
42.5°	15.0
45°	8.6

TEST NUMBER: P1273786

CATALOG NUMBER: P3A09R509830DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	4.8
50°	1.9
52.5°	0.8
55°	0.5
57.5°	0.5
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)