

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: P1272950

Luminaire Tested: P3A02R259830DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259830DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

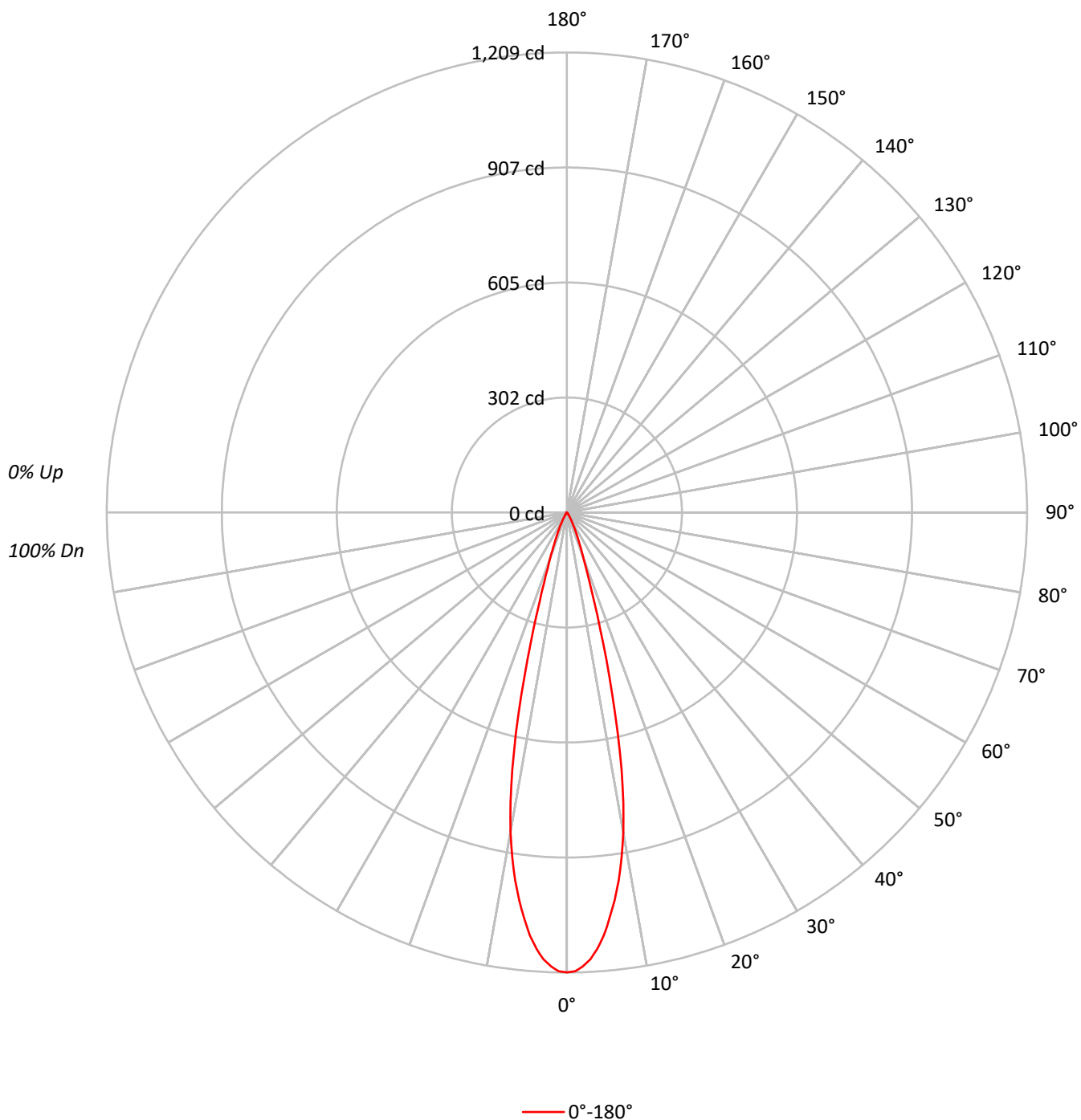
Lumens per Lamp: N/A
Luminaire Lumens: 242.1 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1272950

CATALOG NUMBER: P3A02R259830DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1272950

CATALOG NUMBER: P3A02R259830DE010 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	115	113	111	110	113	111	110	108	107	106	105		104	103	102		100
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98
3	109	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	106	101	97	94	104	99	96	94	98	95	92		96	93	91		94
5	103	97	93	91	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	88	99	94	90	87	92	89	87		91	88	86		90
7	98	92	88	85	97	91	87	85	90	87	84		89	86	84		88
8	95	89	85	83	94	89	85	83	88	85	82		87	84	82		86
9	93	87	83	81	92	86	83	80	86	83	80		85	82	80		84
10	91	85	81	79	90	84	81	79	84	81	78		83	80	78		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265045
5°	245520
10°	189954
15°	90738
20°	29916
25°	12606
30°	4887
35°	2115
40°	716
45°	341
50°	136
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 341 cd/sqm

TEST NUMBER: P1272950

CATALOG NUMBER: P3A02R259830DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	40.5
10°-20°	111.5	46.1
20°-30°	25.9	10.7
30°-40°	5.4	2.2
40°-50°	0.9	0.4
50°-60°	0.2	0.1
60°-70°	0.1	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°	235.5	97.3
0°-40°	240.9	99.5
0°-60°	242.0	100.0
0°-90°	242.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	242.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1209	
5°	1115	98
15°	400	112
25°	52	26
35°	8	5
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272950

CATALOG NUMBER: P3A02R259830DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1208.7
1°	1206.2
2°	1193.7
3°	1176.0
4°	1149.1
5°	1115.4
6°	1072.1
7°	1026.9
8°	976.1
9°	918.8
10°	853.1
11°	777.1
12°	689.7
13°	594.1
14°	494.1
15°	399.7
16°	316.1
17°	246.3
18°	193.7
19°	155.0
20°	128.2
21°	107.1
22°	89.9
23°	75.1
24°	62.8
25°	52.1
27.5°	30.9
30°	19.3
32.5°	12.4
35°	7.9
37.5°	4.7
40°	2.5
42.5°	1.6
45°	1.1
47.5°	0.6
50°	0.4
52.5°	0.2
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.0
72.5°	0.0



TEST NUMBER: P1272950

CATALOG NUMBER: P3A02R259830DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	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)