

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: P1272921

Luminaire Tested: P3A02R209830DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R209830DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

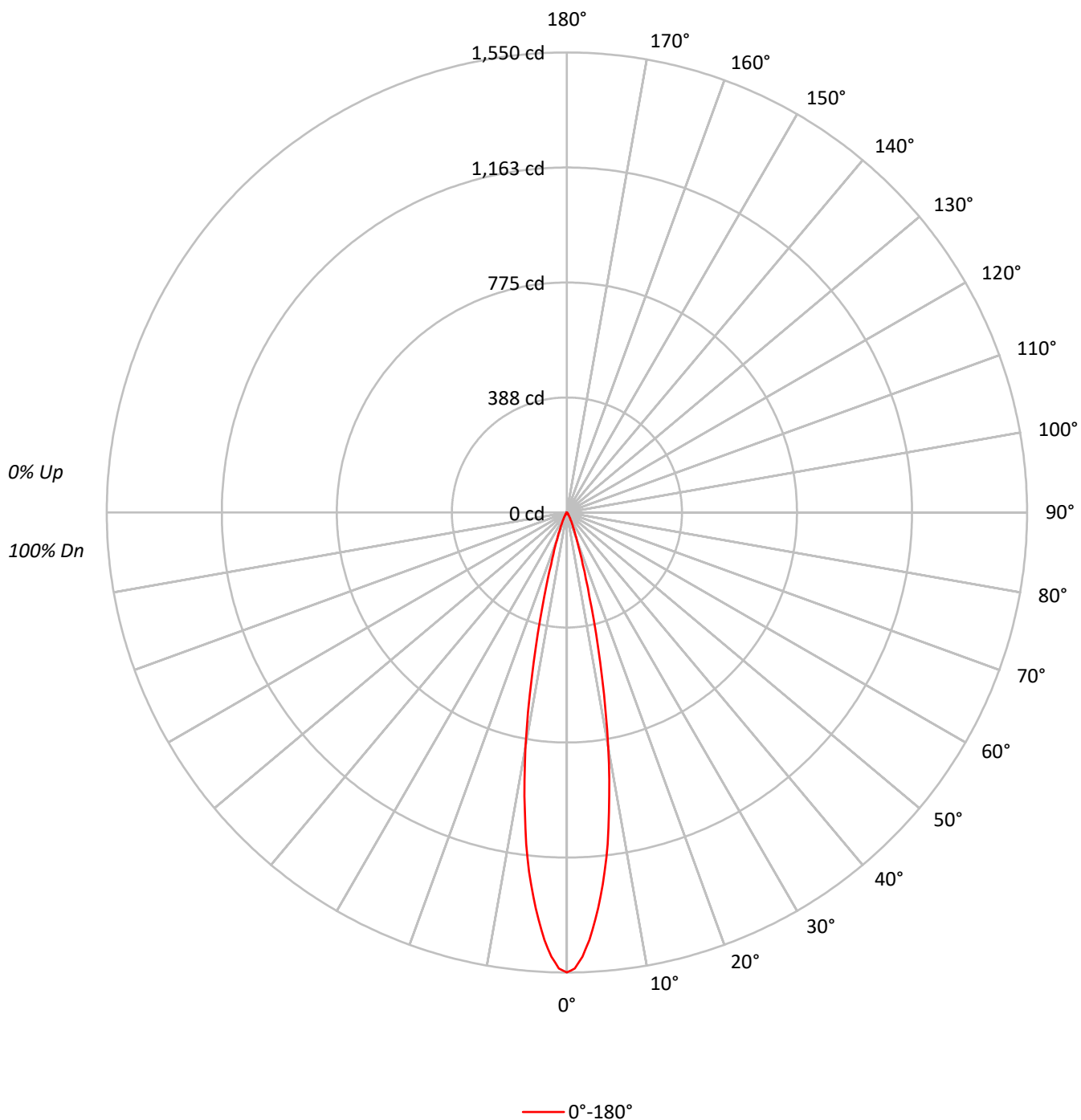
Lumens per Lamp: N/A
Luminaire Lumens: 224.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272921

CATALOG NUMBER: P3A02R209830DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1272921

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	82	87	84	82	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339797
5°	286088
10°	178687
15°	66811
20°	22939
25°	9557
30°	4507
35°	2008
40°	945
45°	496
50°	171
55°	38
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 496 cd/sqm

TEST NUMBER: P1272921

CATALOG NUMBER: P3A02R209830DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	48.2
10°-20°	89.0	39.7
20°-30°	20.2	9.0
30°-40°	5.1	2.3
40°-50°	1.3	0.6
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°	217.3	97.0
0°-40°	222.5	99.3
0°-60°	224.0	100.0
0°-90°	224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1550	
5°	1300	108
15°	294	89
25°	40	20
35°	8	5
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272921

CATALOG NUMBER: P3A02R209830DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1549.6
1°	1536.4
2°	1497.7
3°	1442.2
4°	1374.1
5°	1299.7
6°	1216.8
7°	1125.4
8°	1018.7
9°	913.0
10°	802.5
11°	684.9
12°	567.4
13°	467.9
14°	372.8
15°	294.3
16°	232.3
17°	183.2
18°	147.2
19°	119.7
20°	98.3
21°	82.2
22°	68.6
23°	57.0
24°	47.6
25°	39.5
27.5°	25.8
30°	17.8
32.5°	10.9
35°	7.5
37.5°	4.8
40°	3.3
42.5°	2.3
45°	1.6
47.5°	1.1
50°	0.5
52.5°	0.3
55°	0.1
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1272921
CATALOG NUMBER: P3A02R209830DE010 E3D1LI

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)