

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: P1247608

Luminaire Tested: P3A20R309024D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309024D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

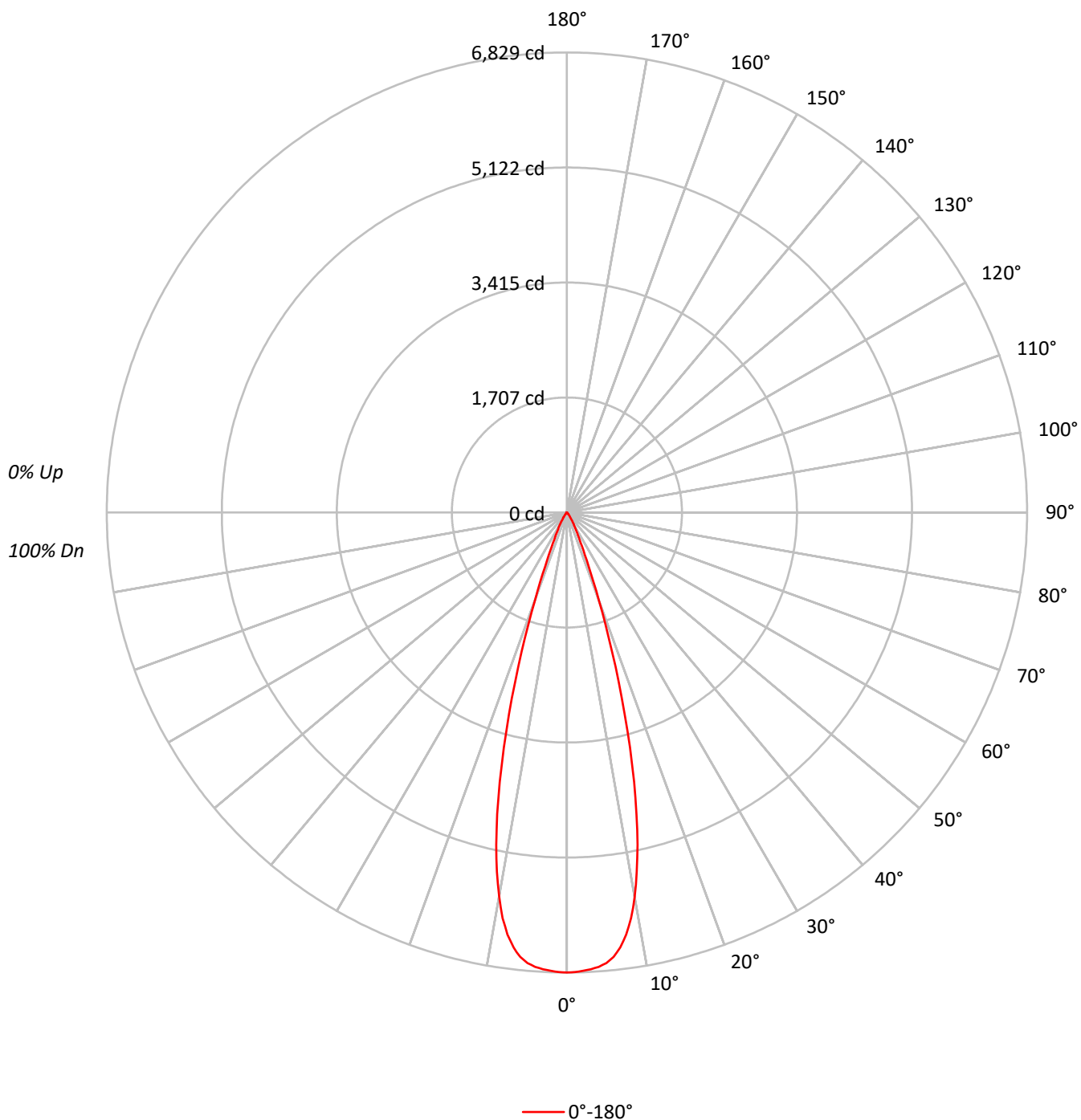
Lumens per Lamp: N/A
Luminaire Lumens: 1882.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1247608

CATALOG NUMBER: P3A20R309024D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247608

CATALOG NUMBER: P3A20R309024D010 E3D1LI

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	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1497380
5°	1477852
10°	1290290
15°	820118
20°	324945
25°	108539
30°	50489
35°	22888
40°	8788
45°	4311
50°	1262
55°	573
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4311 cd/sqm

TEST NUMBER: P1247608

CATALOG NUMBER: P3A20R309024D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.8	32.6
10°-20°	951.9	50.6
20°-30°	245.4	13.0
30°-40°	57.7	3.1
40°-50°	11.3	0.6
50°-60°	1.3	0.1
60°-70°	0.6	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°	1811.2	96.2
0°-40°	1868.8	99.3
0°-60°	1881.4	100.0
0°-90°	1882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6829	
5°	6714	614
15°	3613	952
25°	449	245
35°	86	58
45°	14	11
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1247608

CATALOG NUMBER: P3A20R309024D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6828.6
1°	6823.5
2°	6807.4
3°	6789.1
4°	6762.1
5°	6713.9
6°	6635.7
7°	6505.7
8°	6328.1
9°	6096.6
10°	5794.8
11°	5436.1
12°	5044.5
13°	4593.8
14°	4121.8
15°	3612.6
16°	3113.7
17°	2633.0
18°	2172.0
19°	1749.0
20°	1392.5
21°	1095.8
22°	862.1
23°	682.3
24°	546.5
25°	448.6
26°	374.0
27°	317.8
28°	274.7
29°	235.2
30°	199.4
32.5°	125.7
35°	85.5
37.5°	53.3
40°	30.7
42.5°	20.5
45°	13.9
47.5°	8.0
50°	3.7
52.5°	1.5
55°	1.5
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P1247608
CATALOG NUMBER: P3A20R309024D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
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)