

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: P1247518

Luminaire Tested: P3A20R159024D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159024D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

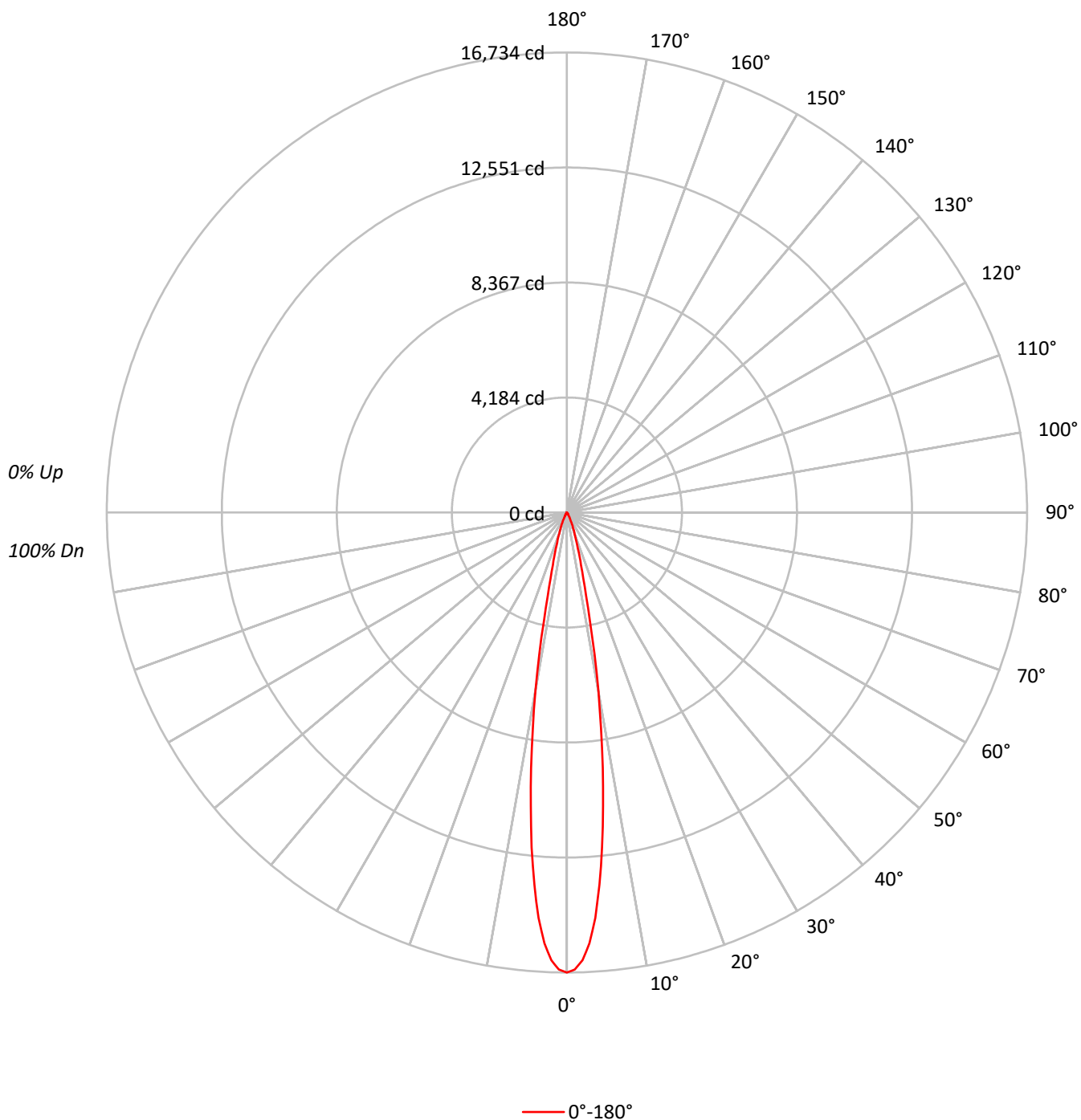
Lumens per Lamp: N/A
Luminaire Lumens: 1927.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247518

CATALOG NUMBER: P3A20R159024D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247518

CATALOG NUMBER: P3A20R159024D010 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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	102	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	96	106	101	98	96	99	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	94	92		96	93	92		94
6	102	97	94	91	101	96	93	91	95	92	90		94	92	90		93
7	100	95	91	89	99	94	91	89	93	90	88		92	90	88		91
8	98	93	89	87	97	92	89	87	91	89	87		91	88	86		90
9	96	91	88	85	96	91	87	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	88	85	83		88	85	83		87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3669509
5°	2992244
10°	1465415
15°	448538
20°	189950
25°	85916
30°	33499
35°	15446
40°	4809
45°	1799
50°	751
55°	268
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1799 cd/sqm

TEST NUMBER: P1247518

CATALOG NUMBER: P3A20R159024D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1058.1	54.9
10°-20°	649.3	33.7
20°-30°	174.4	9.1
30°-40°	38.4	2.0
40°-50°	5.4	0.3
50°-60°	1.0	0.0
60°-70°	0.4	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°	1881.8	97.7
0°-40°	1920.2	99.6
0°-60°	1926.5	100.0
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16734	
5°	13594	###
15°	1976	649
25°	355	174
35°	58	38
45°	6	5
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1247518

CATALOG NUMBER: P3A20R159024D010 E3D1LI

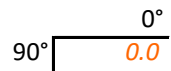
CANDELA DISTRIBUTION (FULL):

0°	
0°	16734.3
1°	16629.8
2°	16294.4
3°	15690.1
4°	14780.4
5°	13593.8
6°	12251.5
7°	10756.5
8°	9382.8
9°	7926.5
10°	6581.3
11°	5250.0
12°	4039.3
13°	3106.9
14°	2459.5
15°	1975.8
17.5°	1224.6
20°	814.0
22.5°	548.0
25°	355.1
27.5°	210.4
30°	132.3
32.5°	89.1
35°	57.7
37.5°	32.2
40°	16.8
42.5°	9.5
45°	5.8
47.5°	3.7
50°	2.2
52.5°	1.5
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.0
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



TEST NUMBER: P1247518
CATALOG NUMBER: P3A20R159024D010 E3D1LI

CANDELA DISTRIBUTION (continued):



(END OF REPORT)