

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: P1272201

Luminaire Tested: P3AS17R159827DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272201
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: P3AS17R159827DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

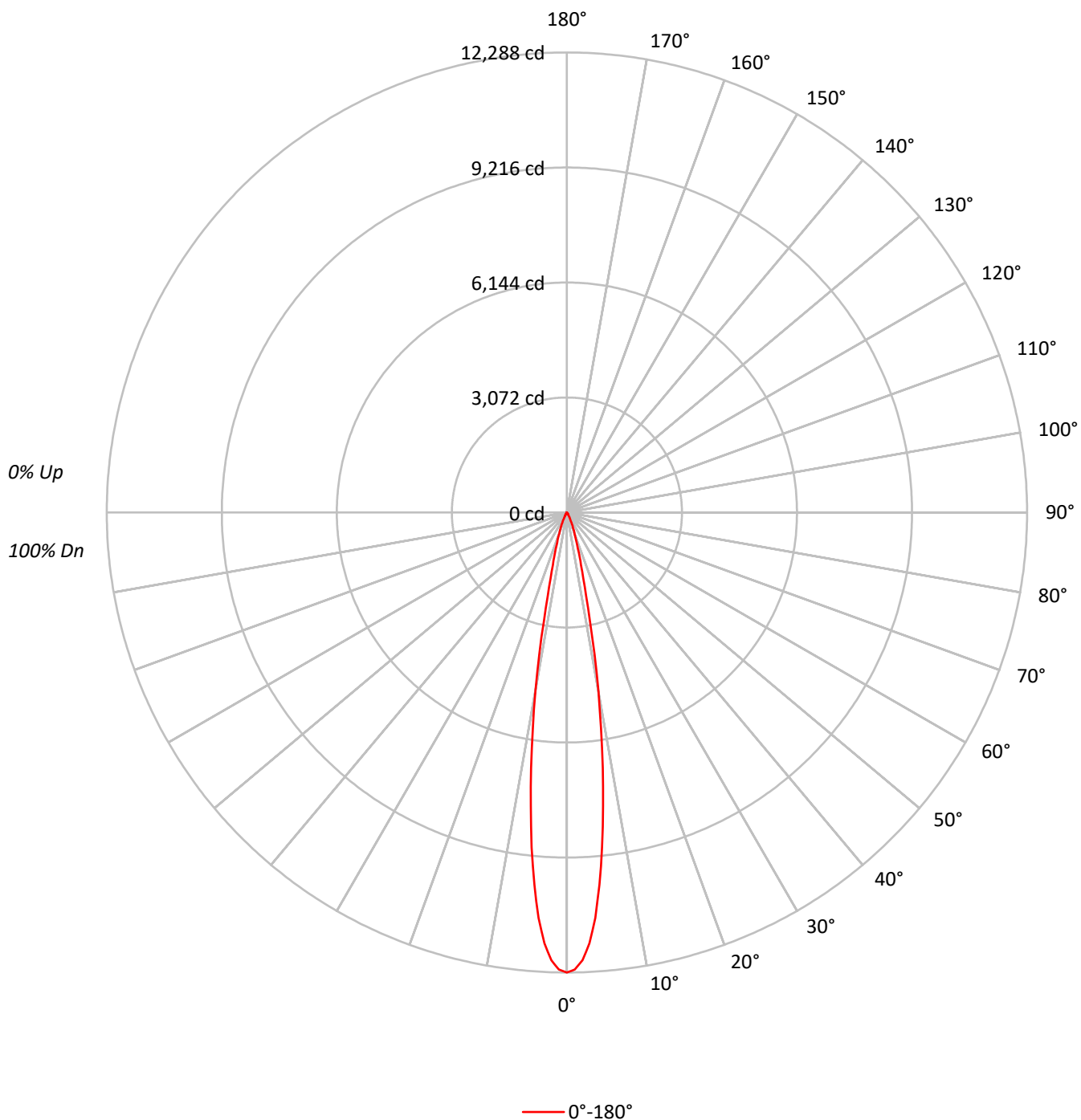
Lumens per Lamp: N/A
Luminaire Lumens: 1415.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1272201

CATALOG NUMBER: P3AS17R159827DE010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1272201

CATALOG NUMBER: P3AS17R159827DE010 E3D1WH

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°	2694521
5°	2197199
10°	1076066
15°	329355
20°	139475
25°	63100
30°	24586
35°	11350
40°	3521
45°	1333
50°	546
55°	191
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1333 cd/sqm

TEST NUMBER: P1272201

CATALOG NUMBER: P3AS17R159827DE010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.0	54.9
10°-20°	476.8	33.7
20°-30°	128.1	9.1
30°-40°	28.2	2.0
40°-50°	4.0	0.3
50°-60°	0.7	0.0
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°	1381.8	97.7
0°-40°	1410.0	99.6
0°-60°	1414.7	100.0
0°-90°	1415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12288	
5°	9982	777
15°	1451	477
25°	261	128
35°	42	28
45°	4	4
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1272201

CATALOG NUMBER: P3AS17R159827DE010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	12288.0
1°	12211.3
2°	11965.0
3°	11521.3
4°	10853.3
5°	9981.9
6°	8996.3
7°	7898.5
8°	6889.8
9°	5820.5
10°	4832.7
11°	3855.1
12°	2966.0
13°	2281.4
14°	1806.0
15°	1450.8
17.5°	899.3
20°	597.7
22.5°	402.4
25°	260.8
27.5°	154.5
30°	97.1
32.5°	65.5
35°	42.4
37.5°	23.6
40°	12.3
42.5°	7.0
45°	4.3
47.5°	2.7
50°	1.6
52.5°	1.1
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
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: P1272201
CATALOG NUMBER: P3AS17R159827DE010 E3D1WH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)