

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: P1266144

Luminaire Tested: P3A02R159735DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266144
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: P3A02R159735DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

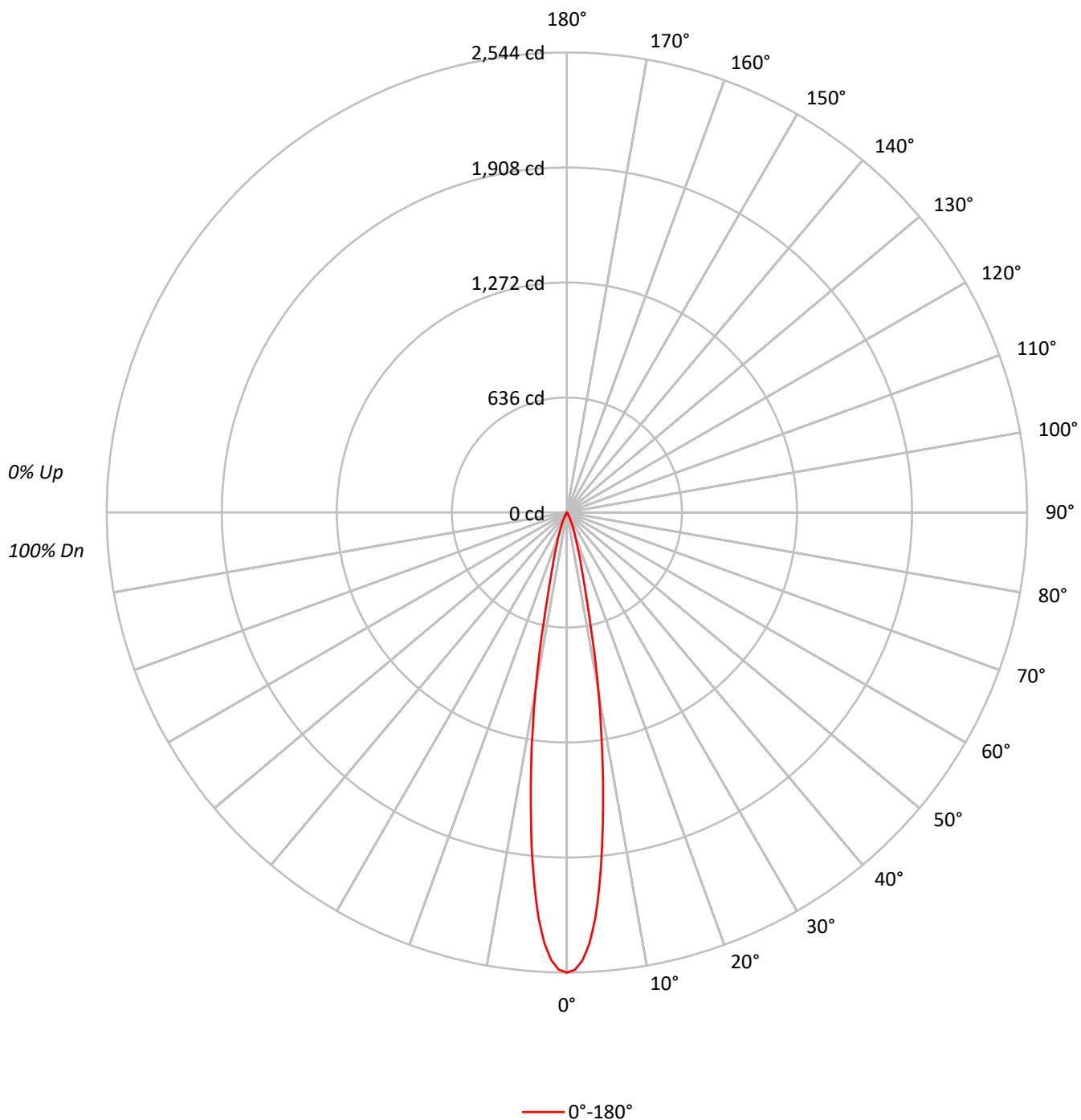
Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1266144

CATALOG NUMBER: P3A02R159735DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1266144

CATALOG NUMBER: P3A02R159735DE010 E3D1H

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°	557938
5°	454963
10°	222819
15°	68196
20°	28889
25°	13065
30°	5089
35°	2356
40°	744
45°	279
50°	102
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: 279 cd/sqm

TEST NUMBER: P1266144

CATALOG NUMBER: P3A02R159735DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	54.9
10°-20°	98.7	33.7
20°-30°	26.5	9.0
30°-40°	5.9	2.0
40°-50°	0.8	0.3
50°-60°	0.1	0.0
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°	286.1	97.7
0°-40°	292.0	99.7
0°-60°	292.9	100.0
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2544	
5°	2067	161
15°	300	99
25°	54	27
35°	9	6
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1266144

CATALOG NUMBER: P3A02R159735DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2544.4
1°	2528.6
2°	2477.6
3°	2385.7
4°	2247.4
5°	2066.9
6°	1862.8
7°	1635.5
8°	1426.7
9°	1205.2
10°	1000.7
11°	798.3
12°	614.2
13°	472.4
14°	374.0
15°	300.4
17.5°	186.2
20°	123.8
22.5°	83.3
25°	54.0
27.5°	32.0
30°	20.1
32.5°	13.6
35°	8.8
37.5°	4.9
40°	2.6
42.5°	1.4
45°	0.9
47.5°	0.6
50°	0.3
52.5°	0.2
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
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1266144
CATALOG NUMBER: P3A02R159735DE010 E3D1H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)