

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: P1253533

Luminaire Tested: P3AS02R409035DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1253533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R409035DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

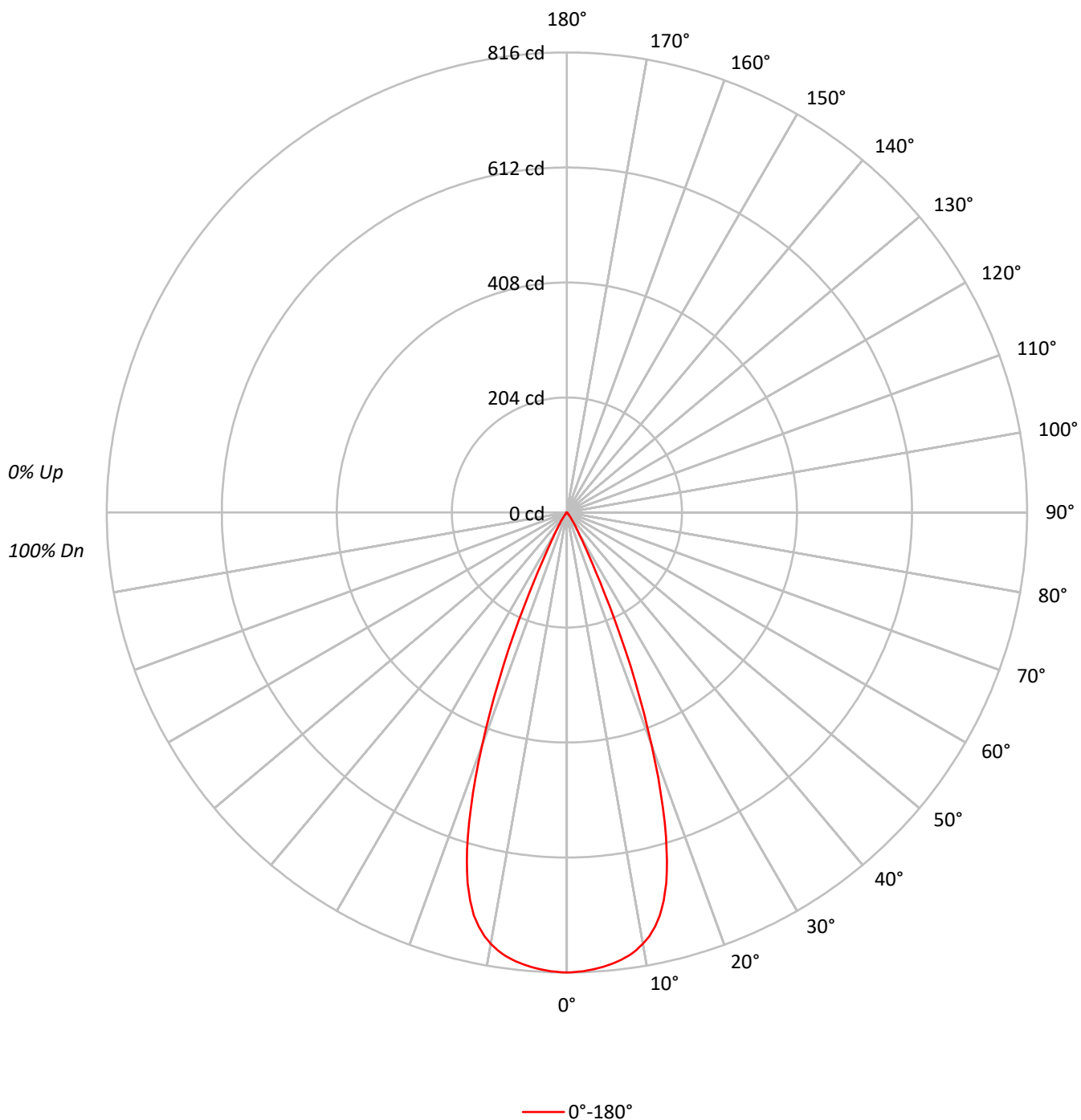
Lumens per Lamp: N/A
Luminaire Lumens: 350.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1253533

CATALOG NUMBER: P3AS02R409035DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1253533

CATALOG NUMBER: P3AS02R409035DE010 E3D1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88	85	83	82
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79	76	74	73
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77	74	71	70
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		75	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	178911
5°	177613
10°	172965
15°	154507
20°	102442
25°	38373
30°	10255
35°	4015
40°	1431
45°	682
50°	205
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 682 cd/sqm

TEST NUMBER: P1253533

CATALOG NUMBER: P3AS02R409035DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	21.7
10°-20°	180.3	51.4
20°-30°	81.8	23.3
30°-40°	10.6	3.0
40°-50°	1.8	0.5
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°	338.3	96.4
0°-40°	348.9	99.4
0°-60°	350.9	100.0
0°-90°	350.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	816	
5°	807	76
15°	681	180
25°	159	82
35°	15	11
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1253533

CATALOG NUMBER: P3AS02R409035DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	815.9
1°	815.4
2°	814.2
3°	812.3
4°	810.0
5°	806.9
6°	803.4
7°	799.0
8°	793.5
9°	786.2
10°	776.8
11°	765.9
12°	751.3
13°	733.2
14°	709.6
15°	680.6
16°	643.6
17°	601.5
18°	550.9
19°	497.4
20°	439.0
21°	380.7
22°	323.2
23°	265.9
24°	209.6
25°	158.6
26°	117.5
27°	86.0
28°	64.6
29°	50.3
30°	40.5
31°	33.5
32°	28.0
32.5°	25.6
33°	23.1
34°	18.8
35°	15.0
36°	11.8
37°	9.3
37.5°	8.4
38°	7.4
39°	6.1
40°	5.0
42.5°	3.3
45°	2.2



TEST NUMBER: P1253533

CATALOG NUMBER: P3AS02R409035DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	1.4
50°	0.6
52.5°	0.2
55°	0.2
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
90°	0.0

(END OF REPORT)