

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: P1248526

Luminaire Tested: P3AS05R409027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248526
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: P3AS05R409027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

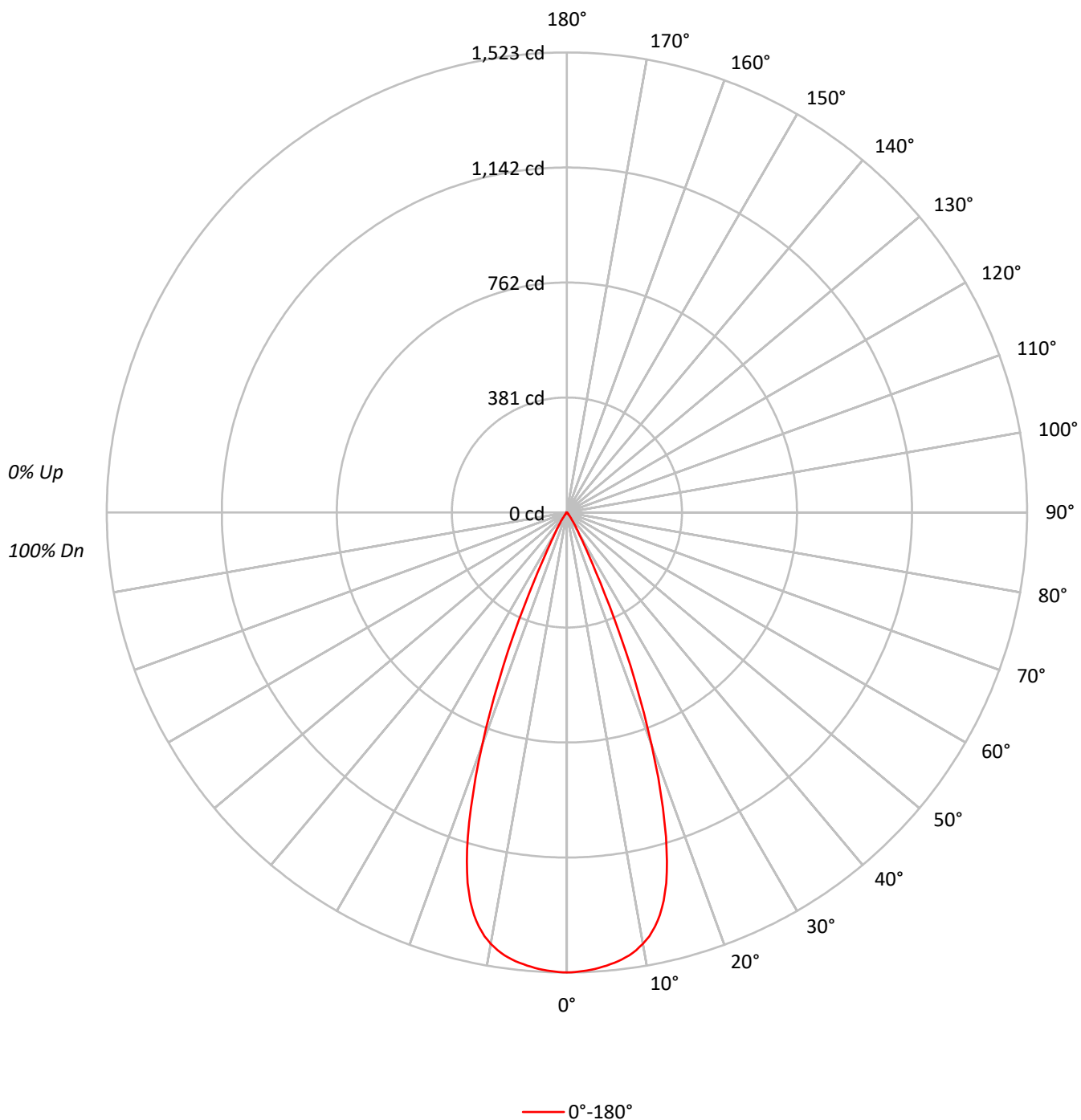
Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1248526

CATALOG NUMBER: P3AS05R409027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1248526

CATALOG NUMBER: P3AS05R409027DE010 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	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	333877
5°	331454
10°	322773
15°	288333
20°	191187
25°	71617
30°	19168
35°	7495
40°	2691
45°	1271
50°	375
55°	191
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1271 cd/sqm

TEST NUMBER: P1248526

CATALOG NUMBER: P3AS05R409027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	21.7
10°-20°	336.5	51.4
20°-30°	152.6	23.3
30°-40°	19.8	3.0
40°-50°	3.4	0.5
50°-60°	0.4	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°	631.2	96.4
0°-40°	651.0	99.4
0°-60°	654.9	100.0
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1523	
5°	1506	142
15°	1270	337
25°	296	153
35°	28	20
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1248526

CATALOG NUMBER: P3AS05R409027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1522.6
1°	1521.6
2°	1519.4
3°	1515.9
4°	1511.6
5°	1505.8
6°	1499.2
7°	1490.9
8°	1480.8
9°	1467.1
10°	1449.6
11°	1429.2
12°	1401.9
13°	1368.2
14°	1324.2
15°	1270.1
16°	1201.1
17°	1122.4
18°	1028.0
19°	928.2
20°	819.3
21°	710.4
22°	603.1
23°	496.2
24°	391.2
25°	296.0
26°	219.2
27°	160.5
28°	120.6
29°	93.8
30°	75.7
31°	62.6
32°	52.3
32.5°	47.7
33°	43.1
34°	35.1
35°	28.0
36°	22.0
37°	17.4
37.5°	15.6
38°	13.8
39°	11.5
40°	9.4
42.5°	6.2
45°	4.1



TEST NUMBER: P1248526

CATALOG NUMBER: P3AS05R409027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.5
50°	1.1
52.5°	0.5
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
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)