

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: P1246168

Luminaire Tested: P3A05R409024DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409024DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

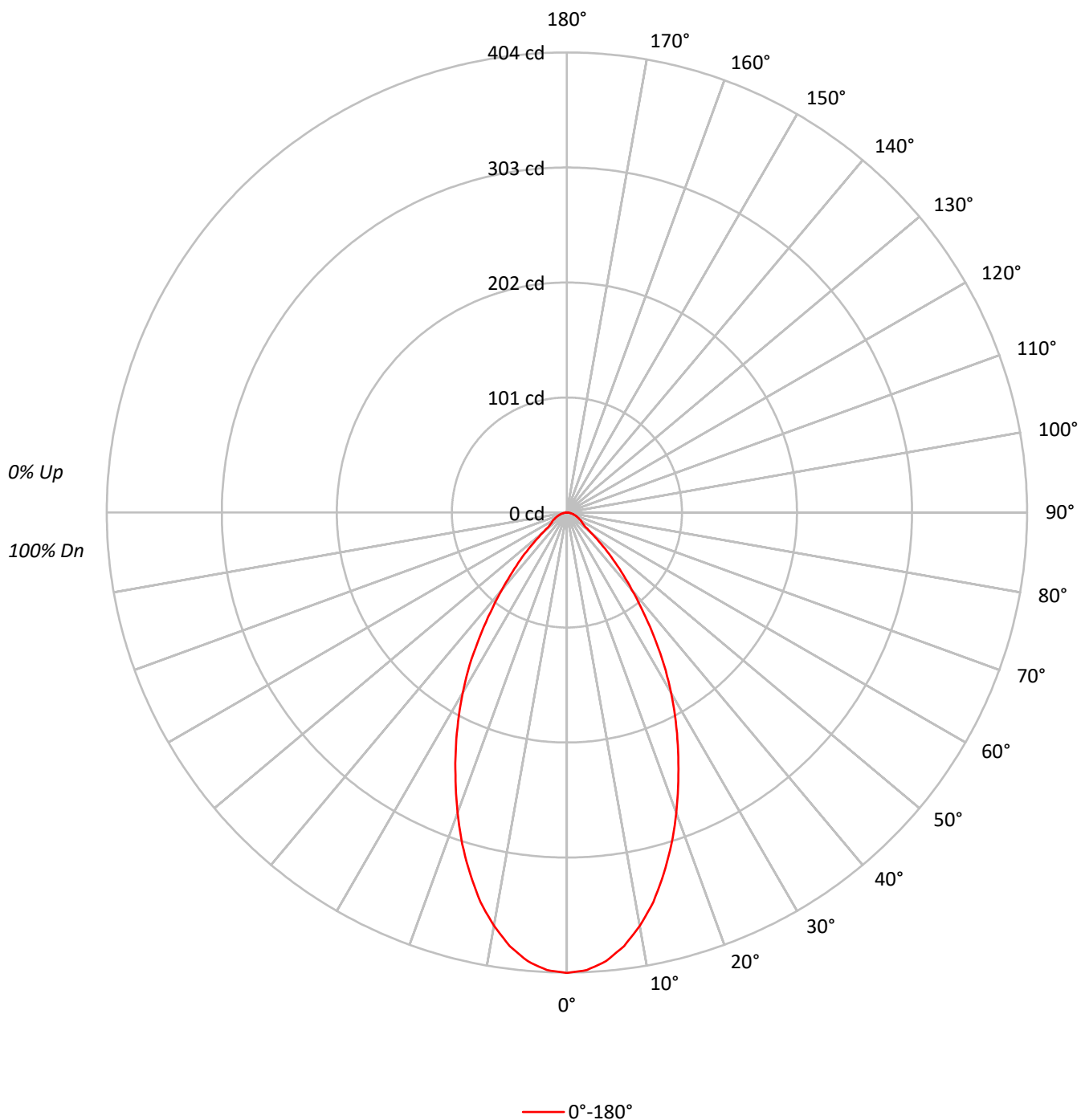
Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246168

CATALOG NUMBER: P3A05R409024DE010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1246168

CATALOG NUMBER: P3A05R409024DE010 E3DLD1LI

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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88677
5°	87057
10°	82074
15°	74552
20°	65479
25°	55915
30°	46336
35°	35737
40°	25419
45°	17118
50°	9347
55°	6576
60°	6184
65°	5707
70°	5129
75°	4829
80°	3915
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17118 cd/sqm

TEST NUMBER: P1246168

CATALOG NUMBER: P3A05R409024DE010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	9.3
10°-20°	91.5	23.2
20°-30°	105.7	26.8
30°-40°	83.3	21.1
40°-50°	42.8	10.8
50°-60°	16.4	4.1
60°-70°	10.8	2.7
70°-80°	5.9	1.5
80°-90°	1.8	0.4
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°	234.1	59.3
0°-40°	317.4	80.4
0°-60°	376.5	95.3
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	404	
5°	396	37
15°	328	91
25°	231	106
35°	134	83
45°	55	43
55°	17	16
65°	11	11
75°	6	6
85°	1	2
90°	0	

TEST NUMBER: P1246168

CATALOG NUMBER: P3A05R409024DE010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	404.4
2.5°	402.2
5°	395.5
7.5°	384.0
10°	368.6
12.5°	350.4
15°	328.4
17.5°	305.4
20°	280.6
22.5°	255.4
25°	231.1
27.5°	206.8
30°	183.0
32.5°	158.7
35°	133.5
37.5°	110.0
40°	88.8
42.5°	70.7
45°	55.2
47.5°	40.2
50°	27.4
52.5°	19.9
55°	17.2
57.5°	15.5
60°	14.1
62.5°	12.4
65°	11.0
67.5°	9.3
70°	8.0
72.5°	6.6
75°	5.7
77.5°	4.4
80°	3.1
82.5°	2.7
85°	1.3
87.5°	0.9
90°	0.0

(END OF REPORT)