

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: P1247335

Luminaire Tested: P3A17R409024DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247335
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: P3A17R409024DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

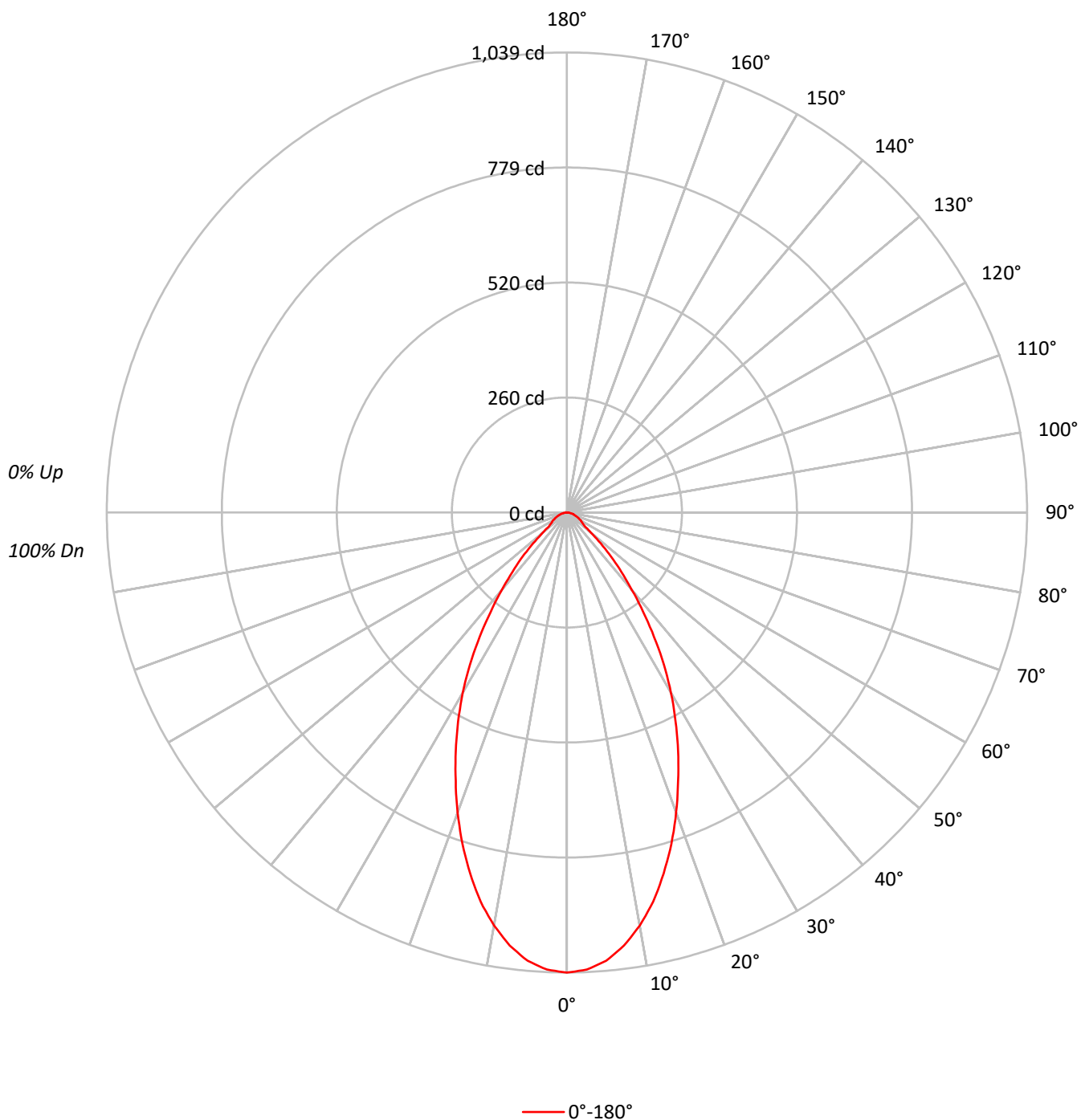
Lumens per Lamp: N/A
Luminaire Lumens: 1015.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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Luminous Intensity Polar Plot



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69		
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64		
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59		
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55		
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48		
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227855
5°	223728
10°	210885
15°	191533
20°	168271
25°	143694
30°	119031
35°	91792
40°	65351
45°	44005
50°	24016
55°	16936
60°	15920
65°	14736
70°	13079
75°	12539
80°	9976
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 44005 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	9.3
10°-20°	235.0	23.2
20°-30°	271.7	26.8
30°-40°	214.1	21.1
40°-50°	109.9	10.8
50°-60°	42.0	4.1
60°-70°	27.8	2.7
70°-80°	15.1	1.5
80°-90°	4.5	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°	601.5	59.3
0°-40°	815.7	80.4
0°-60°	967.6	95.3
0°-90°	1015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1039	
5°	1016	95
15°	844	235
25°	594	272
35°	343	214
45°	142	110
55°	44	42
65°	28	28
75°	15	15
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1039.1
2.5°	1033.4
5°	1016.4
7.5°	986.8
10°	947.1
12.5°	900.5
15°	843.7
17.5°	784.7
20°	721.1
22.5°	656.4
25°	593.9
27.5°	531.5
30°	470.1
32.5°	407.7
35°	342.9
37.5°	282.8
40°	228.3
42.5°	181.7
45°	141.9
47.5°	103.3
50°	70.4
52.5°	51.1
55°	44.3
57.5°	39.7
60°	36.3
62.5°	31.8
65°	28.4
67.5°	23.8
70°	20.4
72.5°	17.0
75°	14.8
77.5°	11.4
80°	7.9
82.5°	6.8
85°	3.4
87.5°	2.3
90°	0.0

(END OF REPORT)