

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: P1245607

Luminaire Tested: P3A02R159024DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159024DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

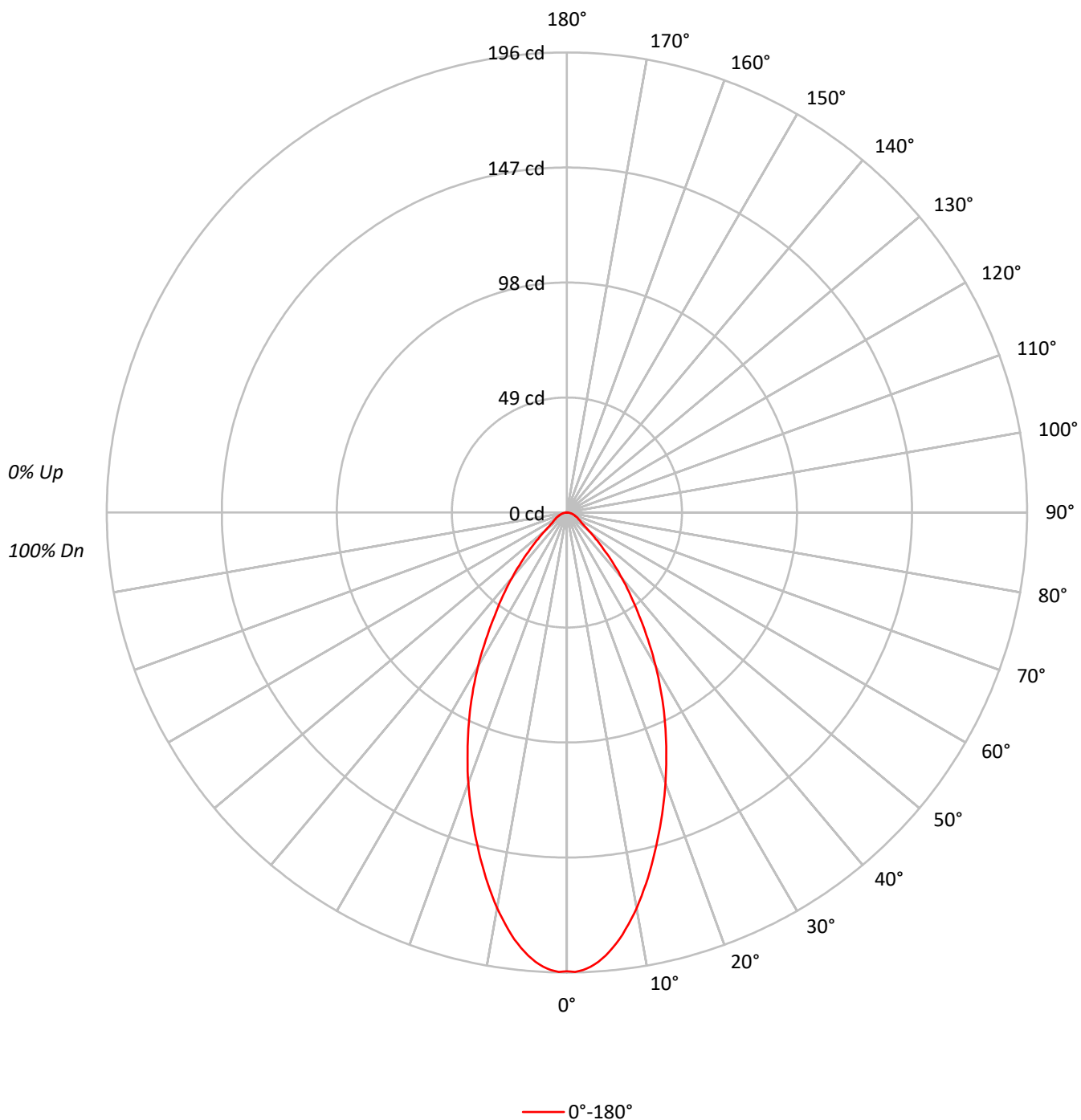
Lumens per Lamp: N/A
Luminaire Lumens: 170.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	72	67	75	71	67	74	69	66	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56		
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42869
5°	41712
10°	38120
15°	33394
20°	28656
25°	23929
30°	19142
35°	14348
40°	10420
45°	6822
50°	4264
55°	2867
60°	2544
65°	2335
70°	2180
75°	2033
80°	1894
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	10.3
10°-20°	41.0	24.1
20°-30°	45.2	26.6
30°-40°	33.8	19.9
40°-50°	17.5	10.3
50°-60°	7.3	4.3
60°-70°	4.5	2.6
70°-80°	2.5	1.5
80°-90°	0.7	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°	103.6	61.0
0°-40°	137.5	80.9
0°-60°	162.3	95.4
0°-90°	170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	170.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	196	
5°	190	17
15°	147	41
25°	99	45
35°	54	34
45°	22	18
55°	8	7
65°	4	5
75°	2	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	195.5
1°	195.8
2°	195.1
3°	193.8
4°	191.9
5°	189.5
6°	186.5
7°	183.3
8°	179.4
9°	175.3
10°	171.2
12.5°	159.4
15°	147.1
17.5°	134.8
20°	122.8
22.5°	110.5
25°	98.9
27.5°	87.2
30°	75.6
32.5°	64.2
35°	53.6
37.5°	44.6
40°	36.4
42.5°	28.9
45°	22.0
47.5°	16.6
50°	12.5
52.5°	9.3
55°	7.5
57.5°	6.7
60°	5.8
62.5°	5.2
65°	4.5
67.5°	3.9
70°	3.4
72.5°	2.8
75°	2.4
77.5°	1.9
80°	1.5
82.5°	1.1
85°	0.6
87.5°	0.2
90°	0.0

(END OF REPORT)