

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: P1266258

Luminaire Tested: P3A02R309735DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309735DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

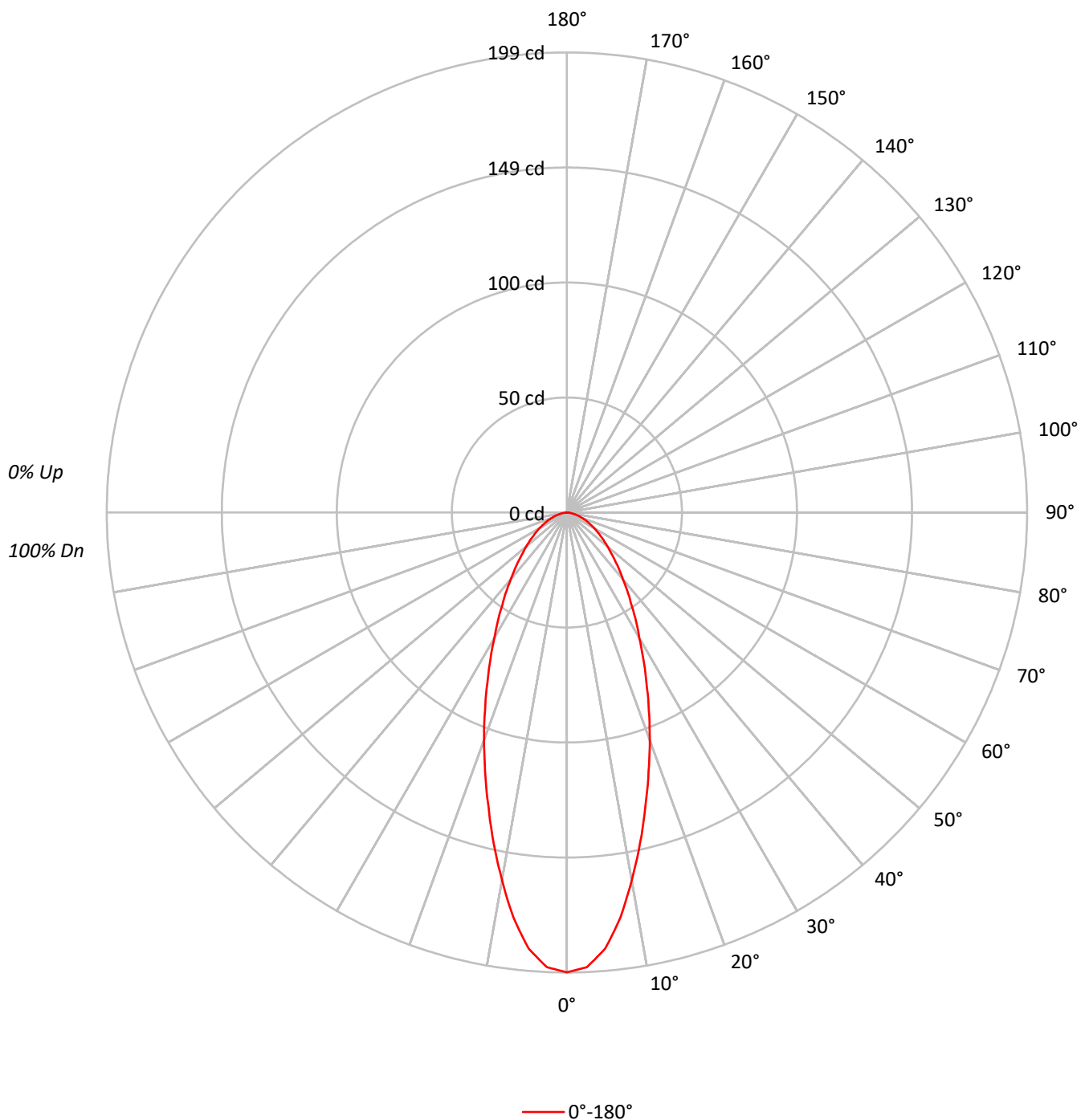
Lumens per Lamp: N/A
Luminaire Lumens: 177.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60
8	72	60	53	48	70	60	53	48	58	52	48		57	52	48		56
9	68	57	50	45	66	56	49	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43615
5°	41690
10°	35960
15°	29807
20°	24432
25°	19695
30°	15876
35°	13010
40°	10792
45°	9148
50°	7846
55°	6767
60°	6052
65°	5292
70°	4616
75°	3897
80°	2904
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9148 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	9.7
10°-20°	36.6	20.7
20°-30°	37.5	21.2
30°-40°	30.7	17.3
40°-50°	22.9	13.0
50°-60°	16.1	9.1
60°-70°	10.1	5.7
70°-80°	4.9	2.8
80°-90°	0.9	0.5
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°	91.3	51.6
0°-40°	122.0	68.9
0°-60°	161.0	91.0
0°-90°	177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	177.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	199	
5°	189	17
15°	131	37
25°	81	38
35°	49	31
45°	30	23
55°	18	16
65°	10	10
75°	5	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	198.9
2.5°	196.9
5°	189.4
7.5°	176.9
10°	161.5
12.5°	146.4
15°	131.3
17.5°	117.5
20°	104.7
22.5°	92.6
25°	81.4
27.5°	71.6
30°	62.7
32.5°	55.5
35°	48.6
37.5°	43.0
40°	37.7
42.5°	33.5
45°	29.5
47.5°	25.9
50°	23.0
52.5°	20.3
55°	17.7
57.5°	15.8
60°	13.8
62.5°	11.8
65°	10.2
67.5°	8.5
70°	7.2
72.5°	5.9
75°	4.6
77.5°	3.3
80°	2.3
82.5°	1.3
85°	0.7
87.5°	0.3
90°	0.0

(END OF REPORT)