

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: P1266925

Luminaire Tested: P3A09R109735DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R109735DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

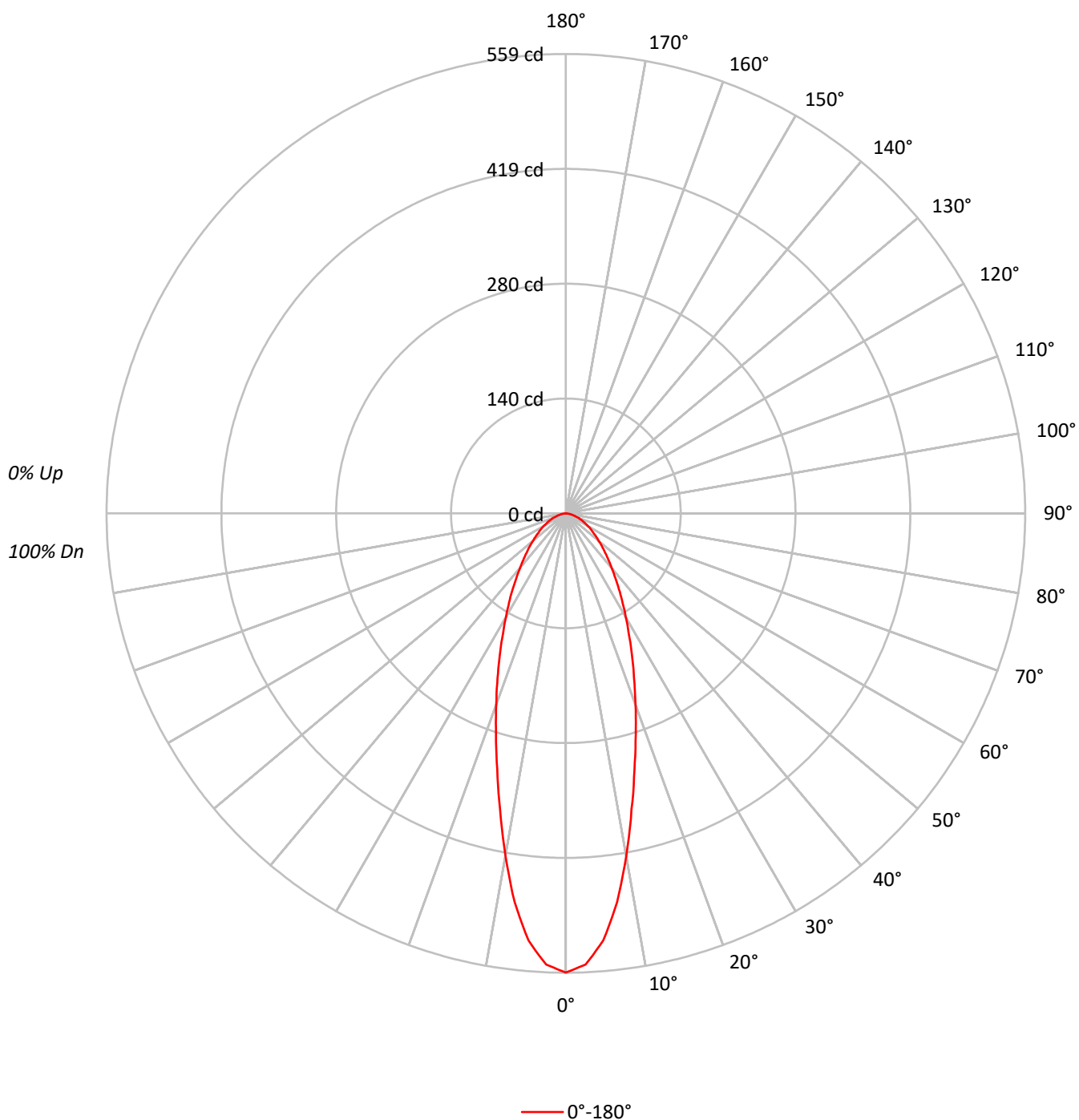
Lumens per Lamp: N/A
Luminaire Lumens: 421.0 lumens
Efficiency: N/A
Efficacy: 33.7 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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	101	102	100	97		98	96	95		95
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122512
5°	114858
10°	94187
15°	73167
20°	57755
25°	46019
30°	36942
35°	30169
40°	24847
45°	20901
50°	17944
55°	15522
60°	13771
65°	11986
70°	10643
75°	8642
80°	6945
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	11.1
10°-20°	90.3	21.4
20°-30°	87.7	20.8
30°-40°	70.9	16.8
40°-50°	52.6	12.5
50°-60°	36.8	8.7
60°-70°	23.1	5.5
70°-80°	10.9	2.6
80°-90°	2.0	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°	224.6	53.4
0°-40°	295.5	70.2
0°-60°	385.0	91.4
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	559	
5°	522	47
15°	322	90
25°	190	88
35°	113	71
45°	67	53
55°	41	37
65°	23	23
75°	10	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	558.7
2.5°	549.5
5°	521.8
7.5°	477.4
10°	423.0
12.5°	369.4
15°	322.3
17.5°	282.6
20°	247.5
22.5°	217.0
25°	190.2
27.5°	166.2
30°	145.9
32.5°	128.4
35°	112.7
37.5°	98.8
40°	86.8
42.5°	76.6
45°	67.4
47.5°	60.0
50°	52.6
52.5°	46.2
55°	40.6
57.5°	36.0
60°	31.4
62.5°	26.8
65°	23.1
67.5°	19.4
70°	16.6
72.5°	12.9
75°	10.2
77.5°	7.4
80°	5.5
82.5°	2.8
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)