

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: P1266957

Luminaire Tested: P3A09R159735DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266957
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: P3A09R159735DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

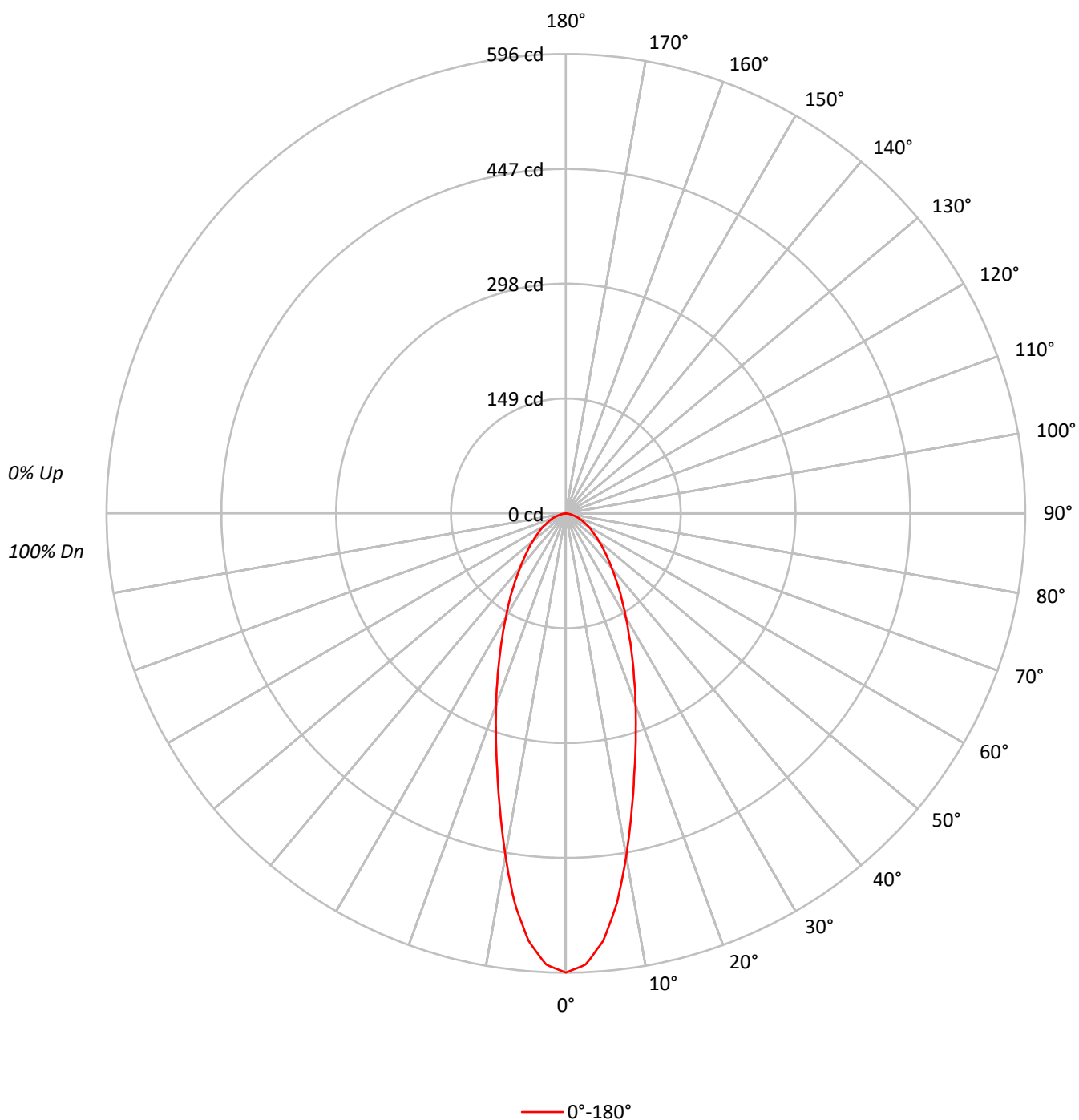
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	130669
5°	122496
10°	100443
15°	78025
20°	61605
25°	49092
30°	39398
35°	32177
40°	26507
45°	22297
50°	19138
55°	16554
60°	14692
65°	12764
70°	11348
75°	9150
80°	7450
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	11.1
10°-20°	96.3	21.4
20°-30°	93.6	20.8
30°-40°	75.6	16.8
40°-50°	56.1	12.5
50°-60°	39.2	8.7
60°-70°	24.6	5.5
70°-80°	11.7	2.6
80°-90°	2.2	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°	239.6	53.4
0°-40°	315.2	70.2
0°-60°	410.6	91.4
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	596	
5°	556	50
15°	344	96
25°	203	94
35°	120	76
45°	72	56
55°	43	39
65°	25	25
75°	11	12
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	595.9
2.5°	586.0
5°	556.5
7.5°	509.2
10°	451.1
12.5°	394.0
15°	343.7
17.5°	301.4
20°	264.0
22.5°	231.4
25°	202.9
27.5°	177.3
30°	155.6
32.5°	136.9
35°	120.2
37.5°	105.4
40°	92.6
42.5°	81.7
45°	71.9
47.5°	64.0
50°	56.1
52.5°	49.2
55°	43.3
57.5°	38.4
60°	33.5
62.5°	28.6
65°	24.6
67.5°	20.7
70°	17.7
72.5°	13.8
75°	10.8
77.5°	7.9
80°	5.9
82.5°	3.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)