

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: P1258772

Luminaire Tested: P3AS02R159050DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258772
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: P3AS02R159050DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

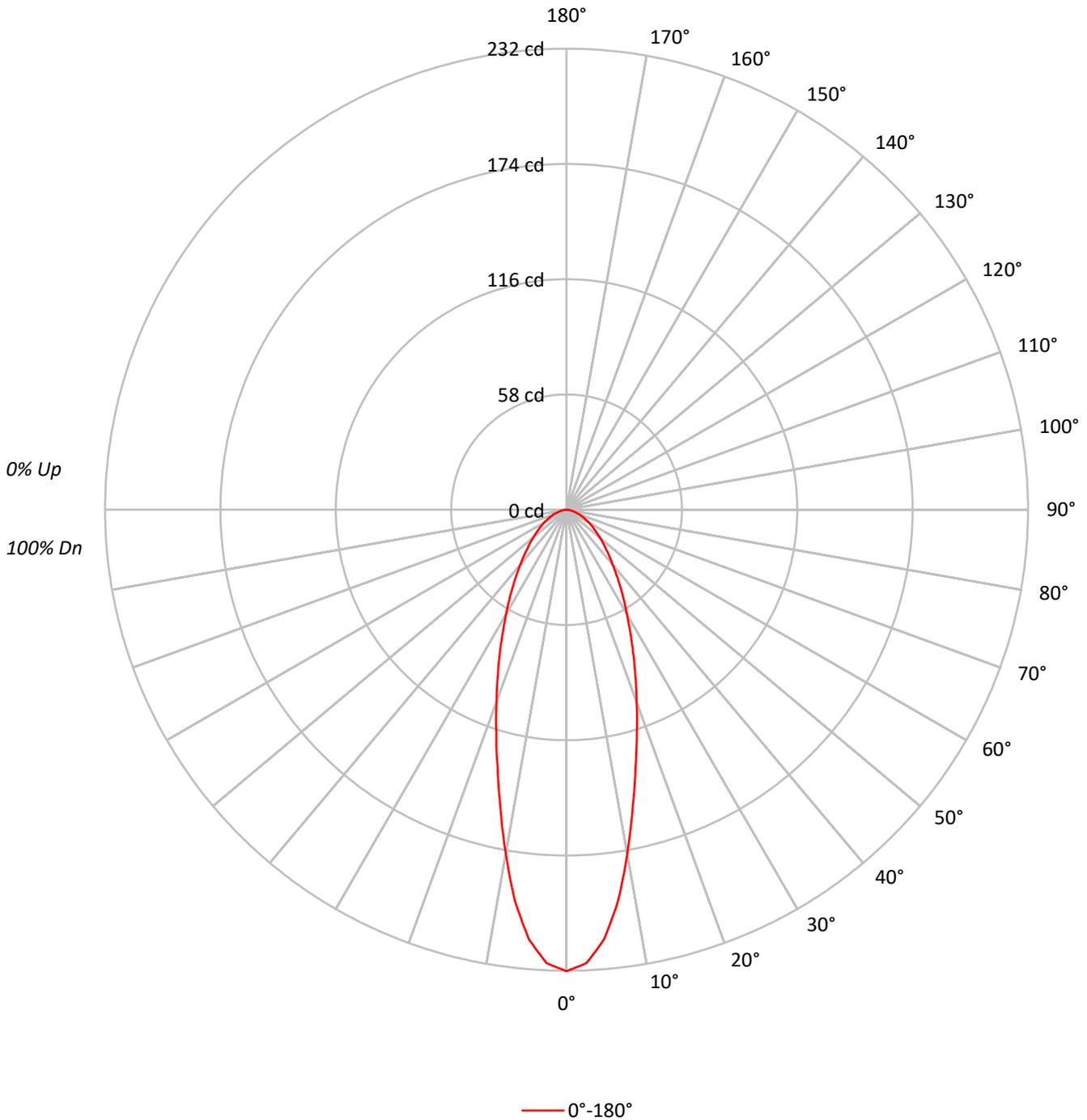
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 175.1 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	83	79	96	88	82	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	70	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47
9	69	58	51	46	68	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	51	47	43	42	42	42	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50917
5°	47744
10°	39144
15°	30420
20°	24012
25°	19138
30°	15369
35°	12528
40°	10334
45°	8683
50°	7471
55°	6461
60°	5745
65°	4981
70°	4424
75°	3558
80°	2904
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8683 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	11.1
10°-20°	37.5	21.4
20°-30°	36.5	20.8
30°-40°	29.5	16.8
40°-50°	21.9	12.5
50°-60°	15.3	8.7
60°-70°	9.6	5.5
70°-80°	4.6	2.6
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°	93.4	53.3
0°-40°	122.9	70.2
0°-60°	160.1	91.4
0°-90°	175.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	232	
5°	217	19
15°	134	38
25°	79	36
35°	47	29
45°	28	22
55°	17	15
65°	10	10
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	232.2
2.5°	228.4
5°	216.9
7.5°	198.5
10°	175.8
12.5°	153.5
15°	134.0
17.5°	117.5
20°	102.9
22.5°	90.2
25°	79.1
27.5°	69.1
30°	60.7
32.5°	53.4
35°	46.8
37.5°	41.1
40°	36.1
42.5°	31.9
45°	28.0
47.5°	25.0
50°	21.9
52.5°	19.2
55°	16.9
57.5°	15.0
60°	13.1
62.5°	11.1
65°	9.6
67.5°	8.1
70°	6.9
72.5°	5.4
75°	4.2
77.5°	3.1
80°	2.3
82.5°	1.2
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)