

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: P1248399

Luminaire Tested: P3AS05R159027DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248399
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: P3AS05R159027DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

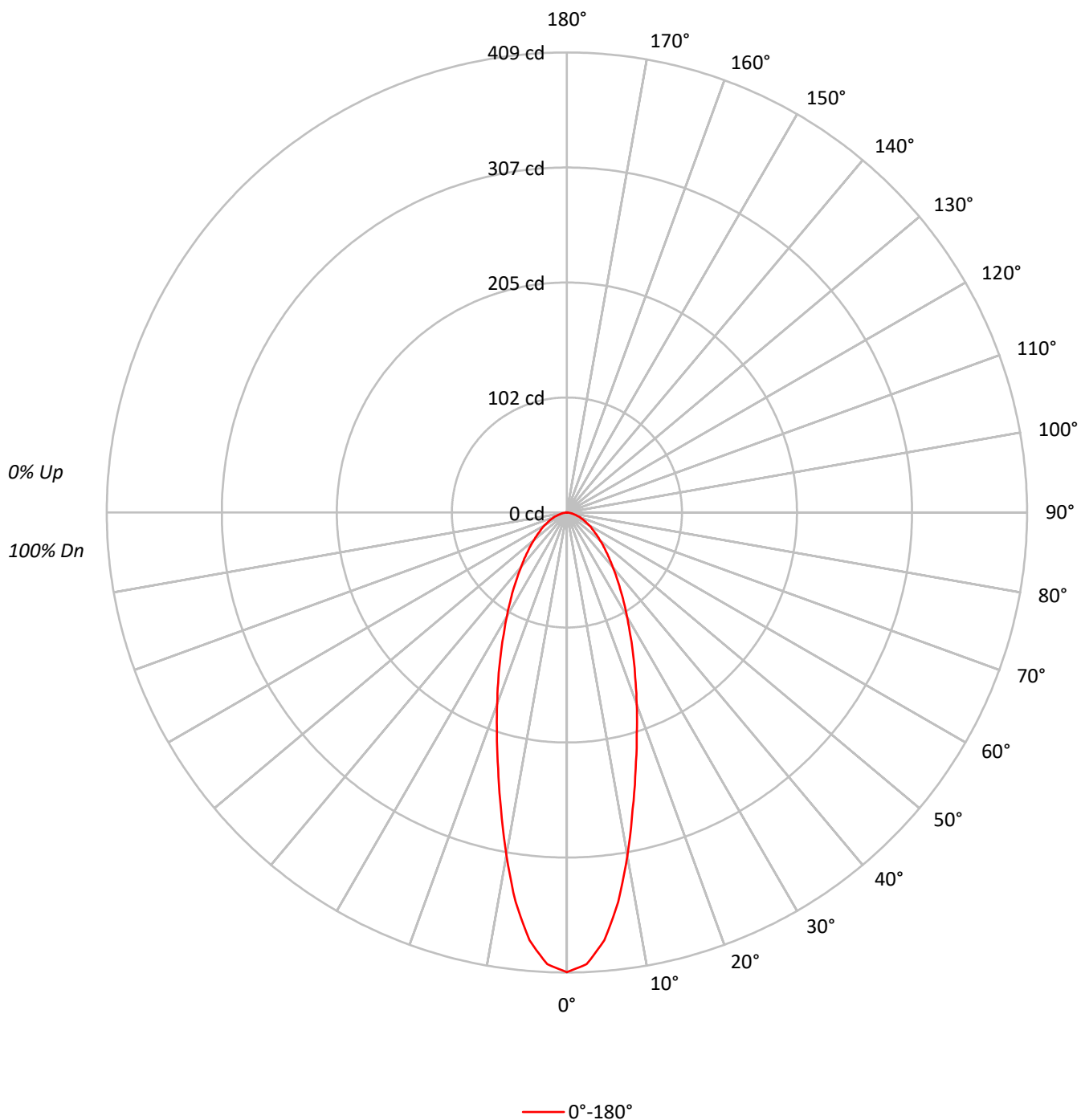
Lumens per Lamp: N/A
Luminaire Lumens: 308.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	83	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	70	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	46	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°	89620
5°	84019
10°	68892
15°	53530
20°	42260
25°	33679
30°	27017
35°	22058
40°	18177
45°	15288
50°	13134
55°	11354
60°	10087
65°	8769
70°	7822
75°	6270
80°	5177
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	11.1
10°-20°	66.0	21.4
20°-30°	64.2	20.8
30°-40°	51.9	16.8
40°-50°	38.5	12.5
50°-60°	26.9	8.7
60°-70°	16.9	5.5
70°-80°	8.0	2.6
80°-90°	1.5	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°	164.3	53.4
0°-40°	216.2	70.2
0°-60°	281.6	91.4
0°-90°	308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	308.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	409	
5°	382	34
15°	236	66
25°	139	64
35°	82	52
45°	49	39
55°	30	27
65°	17	17
75°	7	8
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	408.7
2.5°	402.0
5°	381.7
7.5°	349.3
10°	309.4
12.5°	270.2
15°	235.8
17.5°	206.7
20°	181.1
22.5°	158.8
25°	139.2
27.5°	121.6
30°	106.7
32.5°	93.9
35°	82.4
37.5°	72.3
40°	63.5
42.5°	56.1
45°	49.3
47.5°	43.9
50°	38.5
52.5°	33.8
55°	29.7
57.5°	26.3
60°	23.0
62.5°	19.6
65°	16.9
67.5°	14.2
70°	12.2
72.5°	9.5
75°	7.4
77.5°	5.4
80°	4.1
82.5°	2.0
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)