

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: P1250249

Luminaire Tested: P3AS24R159027D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R159027D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

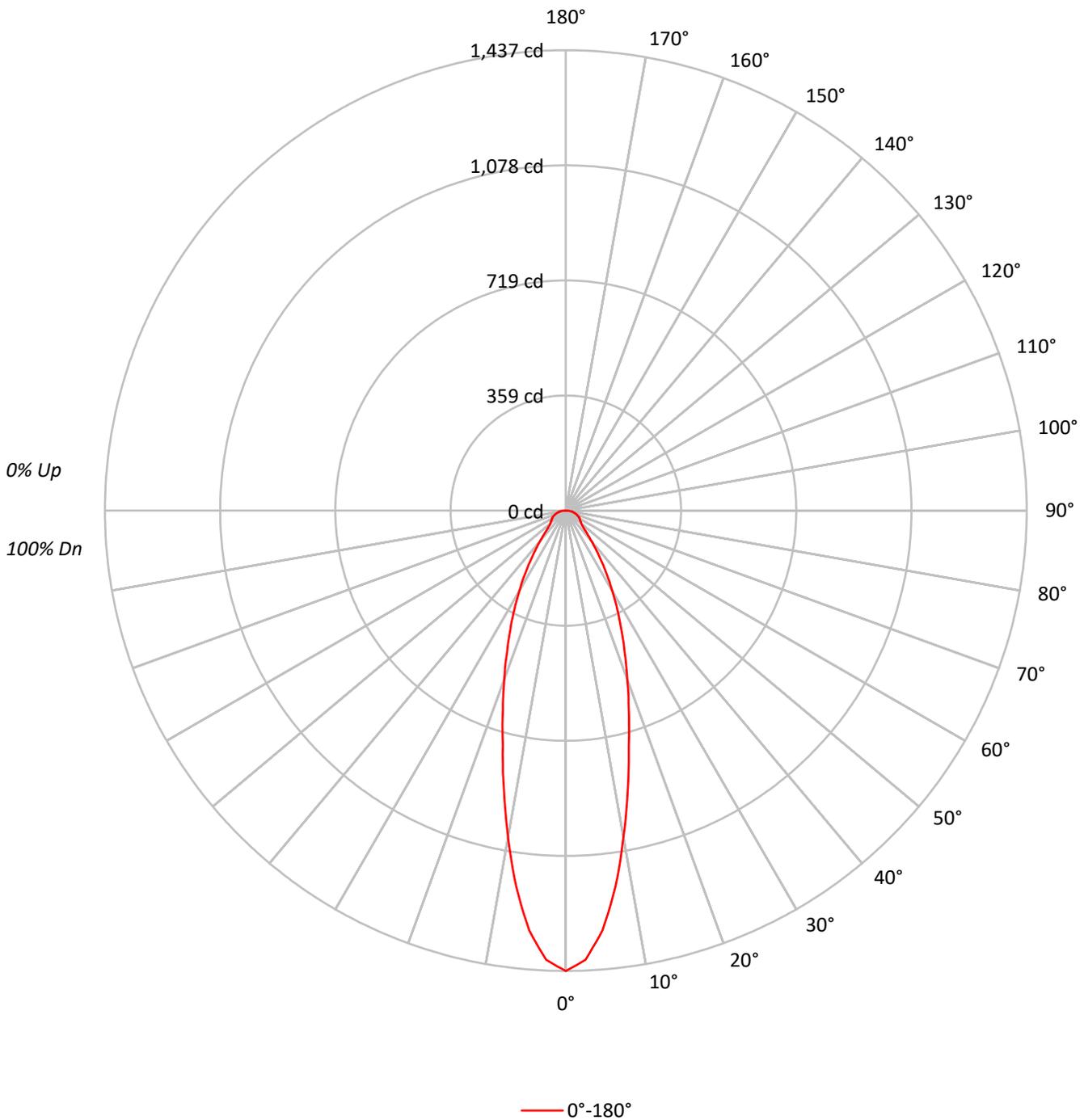
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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				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	100	102	99	97	98	96	94	95	93	92	90	90	90	90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81	81	81	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68	68	68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63	63	63	63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	59	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55	55	55	55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315150
5°	289368
10°	230568
15°	172305
20°	130865
25°	99078
30°	73302
35°	52361
40°	35839
45°	25088
50°	21355
55°	20950
60°	21753
65°	22986
70°	23401
75°	24316
80°	26392
85°	26166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 30744 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	13.8
10°-20°	212.9	25.3
20°-30°	188.6	22.4
30°-40°	123.5	14.7
40°-50°	66.0	7.8
50°-60°	49.9	5.9
60°-70°	42.9	5.1
70°-80°	29.6	3.5
80°-90°	12.1	1.4
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°	517.9	61.5
0°-40°	641.5	76.2
0°-60°	757.4	90.0
0°-90°	842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1437	
5°	1315	116
15°	759	213
25°	410	189
35°	196	124
45°	81	66
55°	55	50
65°	44	43
75°	29	30
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1437.2
2.5°	1403.3
5°	1314.6
7.5°	1184.2
10°	1035.5
12.5°	892.0
15°	759.0
17.5°	652.1
20°	560.8
22.5°	479.9
25°	409.5
27.5°	346.9
30°	289.5
32.5°	240.0
35°	195.6
37.5°	156.5
40°	125.2
42.5°	99.1
45°	80.9
47.5°	70.4
50°	62.6
52.5°	60.0
55°	54.8
57.5°	52.2
60°	49.6
62.5°	46.9
65°	44.3
67.5°	39.1
70°	36.5
72.5°	31.3
75°	28.7
77.5°	23.5
80°	20.9
82.5°	18.3
85°	10.4
87.5°	5.2
90°	0.0

(END OF REPORT)