

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: P1256987

Luminaire Tested: P3AS09R309040DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R309040DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

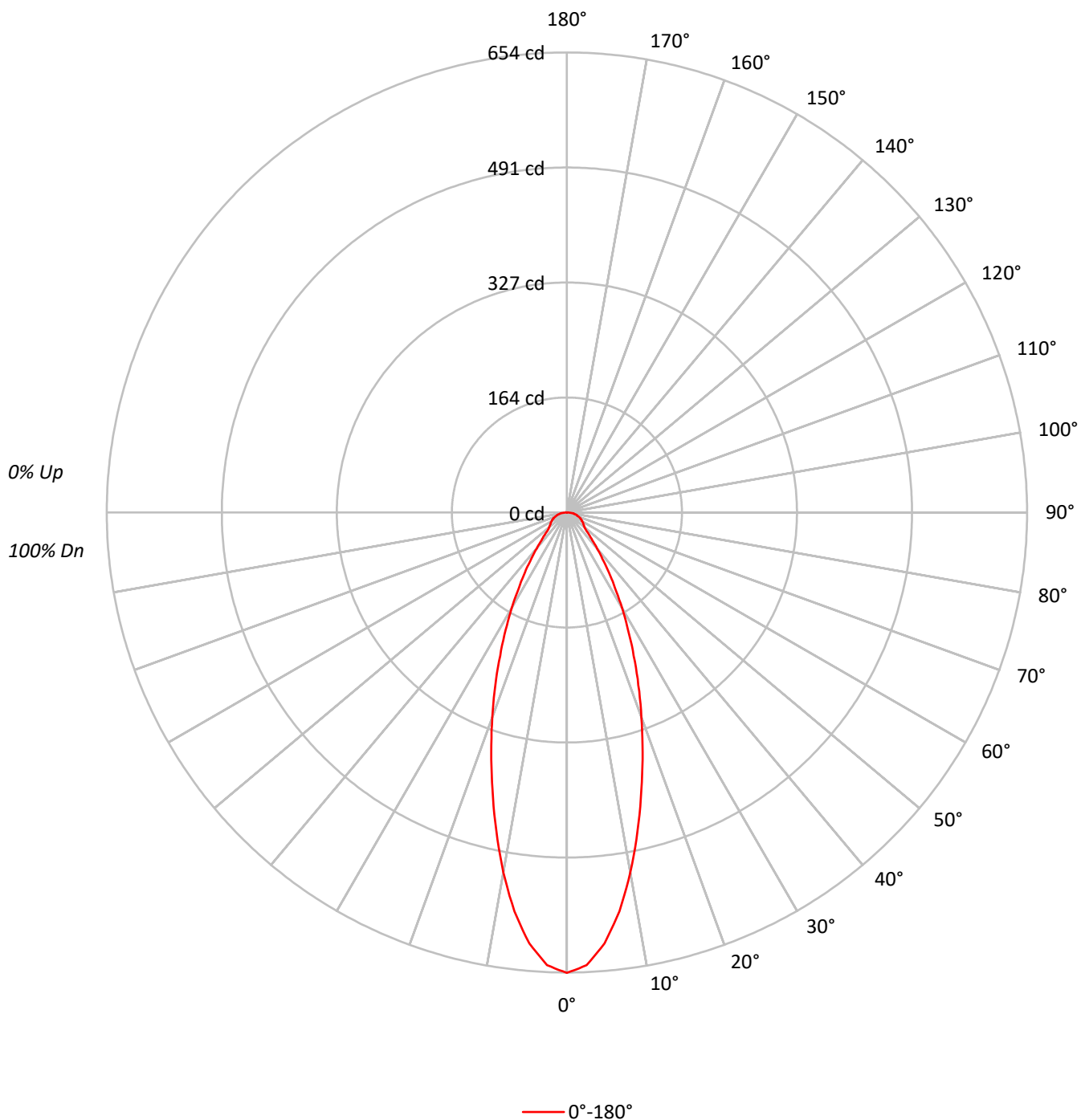
Lumens per Lamp: N/A
Luminaire Lumens: 442.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	94		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		68
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		64
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143519
5°	135329
10°	115674
15°	92691
20°	72246
25°	54342
30°	39626
35°	27920
40°	19150
45°	13707
50°	11224
55°	10857
60°	10964
65°	11207
70°	11605
75°	12454
80°	12880
85°	14341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 15288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	12.6
10°-20°	113.5	25.7
20°-30°	103.4	23.4
30°-40°	65.8	14.9
40°-50°	35.2	8.0
50°-60°	25.8	5.8
60°-70°	21.6	4.9
70°-80°	15.1	3.4
80°-90°	6.0	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°	272.5	61.6
0°-40°	338.2	76.5
0°-60°	399.2	90.3
0°-90°	442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	654	
5°	615	56
15°	408	113
25°	225	103
35°	104	66
45°	44	35
55°	28	26
65°	22	22
75°	15	15
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	654.5
2.5°	644.2
5°	614.8
7.5°	571.7
10°	519.5
12.5°	463.9
15°	408.3
17.5°	357.3
20°	309.6
22.5°	265.4
25°	224.6
27.5°	188.3
30°	156.5
32.5°	127.0
35°	104.3
37.5°	82.8
40°	66.9
42.5°	53.3
45°	44.2
47.5°	36.3
50°	32.9
52.5°	30.6
55°	28.4
57.5°	27.2
60°	25.0
62.5°	23.8
65°	21.6
67.5°	20.4
70°	18.1
72.5°	15.9
75°	14.7
77.5°	12.5
80°	10.2
82.5°	9.1
85°	5.7
87.5°	2.3
90°	0.0

(END OF REPORT)