

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: P1246408

Luminaire Tested: P3A09R159024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246408
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: P3A09R159024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

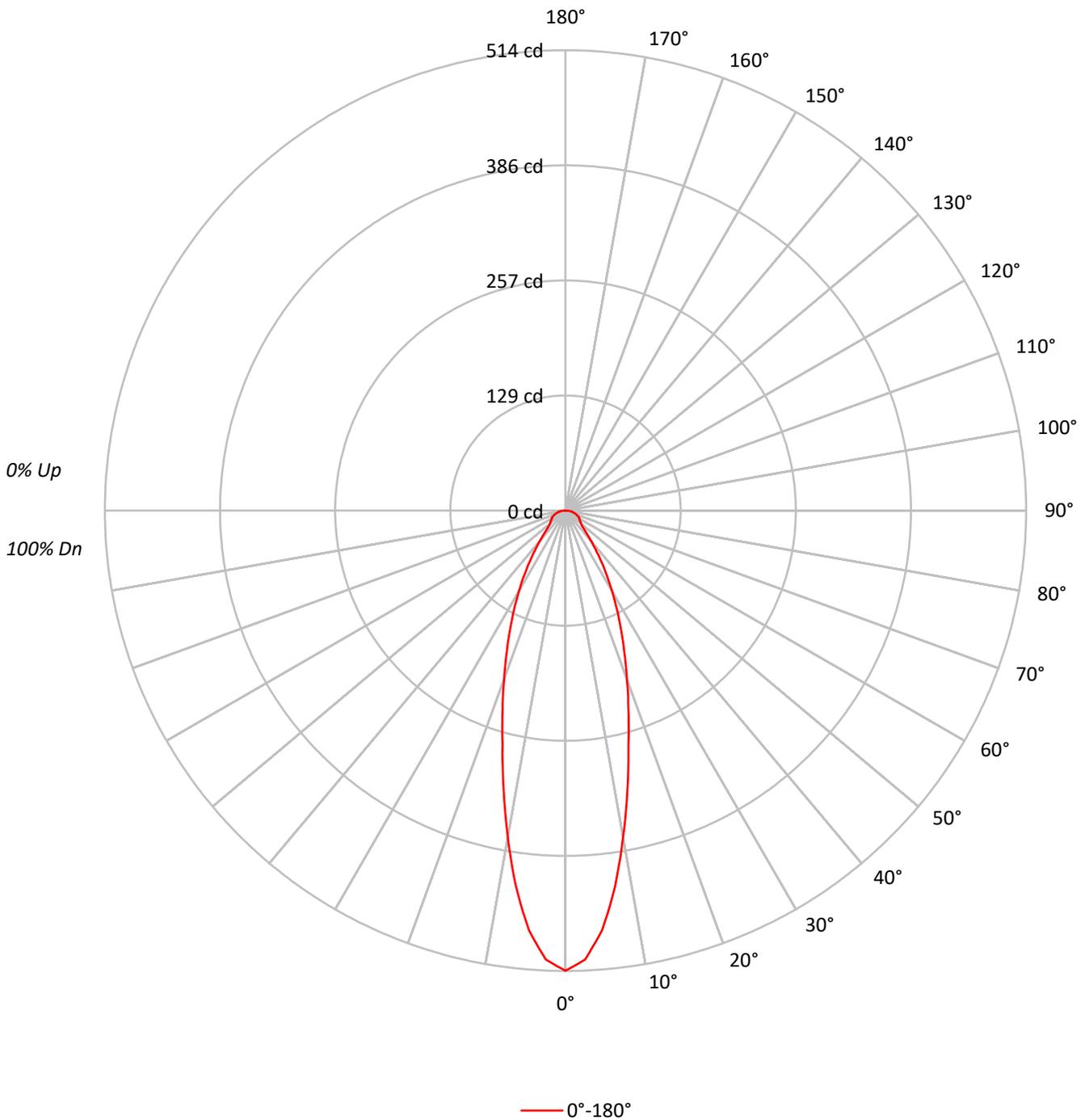
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 301.0 lumens
Efficiency: N/A
Efficacy: 27.1 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): 11.1
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

TEST NUMBER: P1246408
CATALOG NUMBER: P3A09R159024DE010 E3PHLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1246408
 CATALOG NUMBER: P3A09R159024DE010 E3PHLP1MW

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
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90			90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74			74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63			63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112666
5°	103434
10°	82430
15°	61589
20°	46787
25°	35421
30°	26207
35°	18712
40°	12824
45°	8962
50°	7642
55°	7493
60°	7763
65°	8250
70°	8399
75°	8727
80°	9471
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 10920 cd/sqm



TEST NUMBER: P1246408
 CATALOG NUMBER: P3A09R159024DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	13.8
10°-20°	76.1	25.3
20°-30°	67.4	22.4
30°-40°	44.2	14.7
40°-50°	23.6	7.8
50°-60°	17.8	5.9
60°-70°	15.4	5.1
70°-80°	10.6	3.5
80°-90°	4.3	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°	185.2	61.5
0°-40°	229.3	76.2
0°-60°	270.7	89.9
0°-90°	301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	301.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	514	
5°	470	42
15°	271	76
25°	146	67
35°	70	44
45°	29	24
55°	20	18
65°	16	15
75°	10	11
85°	4	4
90°	0	



TEST NUMBER: P1246408
CATALOG NUMBER: P3A09R159024DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	513.8
2.5°	501.6
5°	469.9
7.5°	423.3
10°	370.2
12.5°	318.9
15°	271.3
17.5°	233.1
20°	200.5
22.5°	171.6
25°	146.4
27.5°	124.0
30°	103.5
32.5°	85.8
35°	69.9
37.5°	55.9
40°	44.8
42.5°	35.4
45°	28.9
47.5°	25.2
50°	22.4
52.5°	21.4
55°	19.6
57.5°	18.6
60°	17.7
62.5°	16.8
65°	15.9
67.5°	14.0
70°	13.1
72.5°	11.2
75°	10.3
77.5°	8.4
80°	7.5
82.5°	6.5
85°	3.7
87.5°	1.9
90°	0.0

(END OF REPORT)