

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: P1291668

Luminaire Tested: P3A09R15W2N902750DE010 E3PHLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291668
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: P3A09R15W2N902750DE010 E3PHLP1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

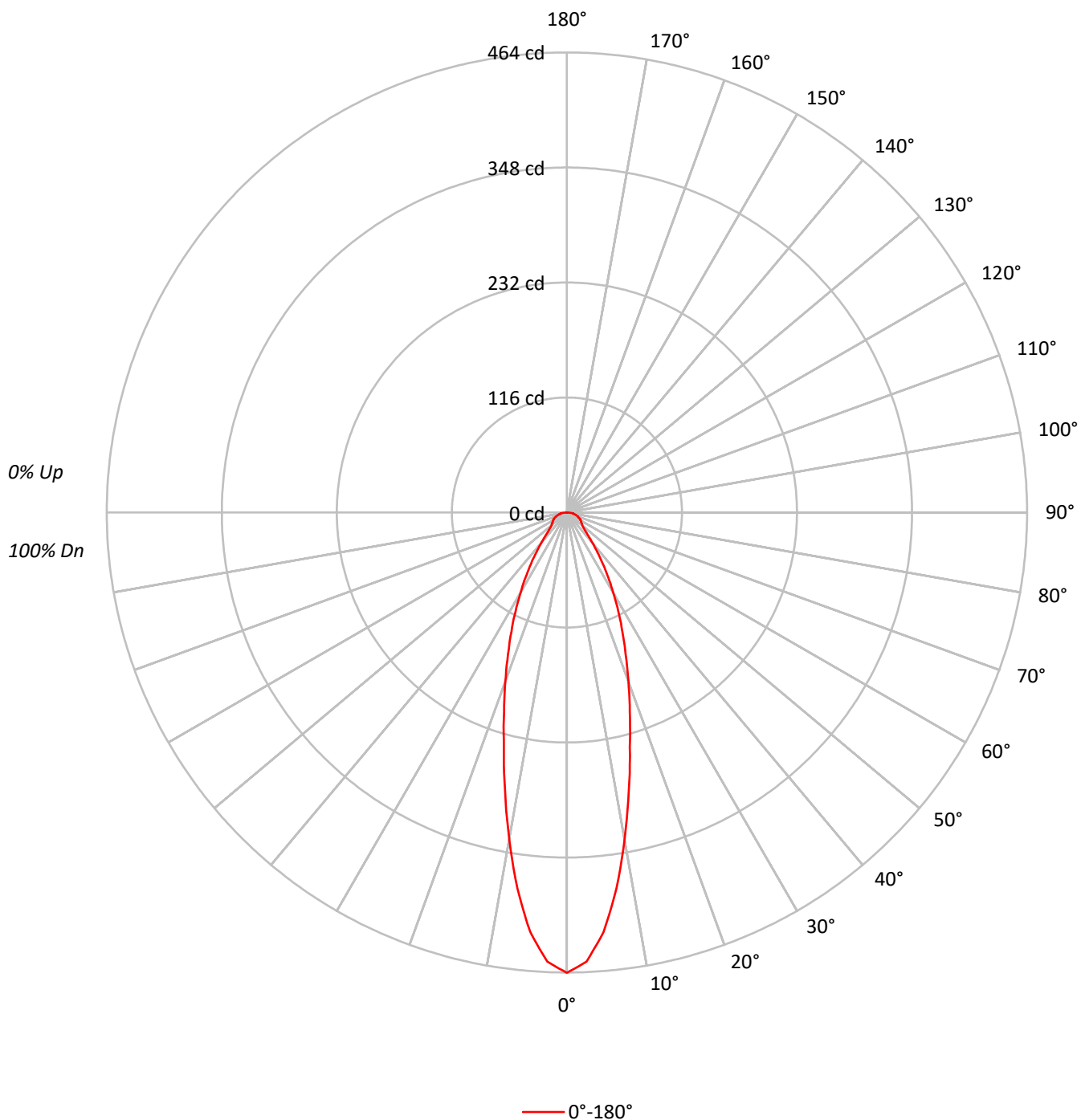
Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74			
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101812
5°	93484
10°	74481
15°	55664
20°	42284
25°	32010
30°	23675
35°	16918
40°	11565
45°	8094
50°	6891
55°	6767
60°	7017
65°	7420
70°	7565
75°	7879
80°	8461
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 9912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	13.8
10°-20°	68.8	25.3
20°-30°	60.9	22.4
30°-40°	39.9	14.7
40°-50°	21.3	7.8
50°-60°	16.1	5.9
60°-70°	13.9	5.1
70°-80°	9.6	3.5
80°-90°	3.9	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°	167.3	61.5
0°-40°	207.2	76.2
0°-60°	244.7	89.9
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	464	
5°	425	38
15°	245	69
25°	132	61
35°	63	40
45°	26	21
55°	18	16
65°	14	14
75°	9	10
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	464.3
2.5°	453.3
5°	424.7
7.5°	382.5
10°	334.5
12.5°	288.2
15°	245.2
17.5°	210.6
20°	181.2
22.5°	155.0
25°	132.3
27.5°	112.1
30°	93.5
32.5°	77.5
35°	63.2
37.5°	50.6
40°	40.4
42.5°	32.0
45°	26.1
47.5°	22.7
50°	20.2
52.5°	19.4
55°	17.7
57.5°	16.9
60°	16.0
62.5°	15.2
65°	14.3
67.5°	12.6
70°	11.8
72.5°	10.1
75°	9.3
77.5°	7.6
80°	6.7
82.5°	5.9
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)