

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: P1292657

Luminaire Tested: P3A09R30W2N902750DE010 E3PHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292657
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: P3A09R30W2N902750DE010 E3PHLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

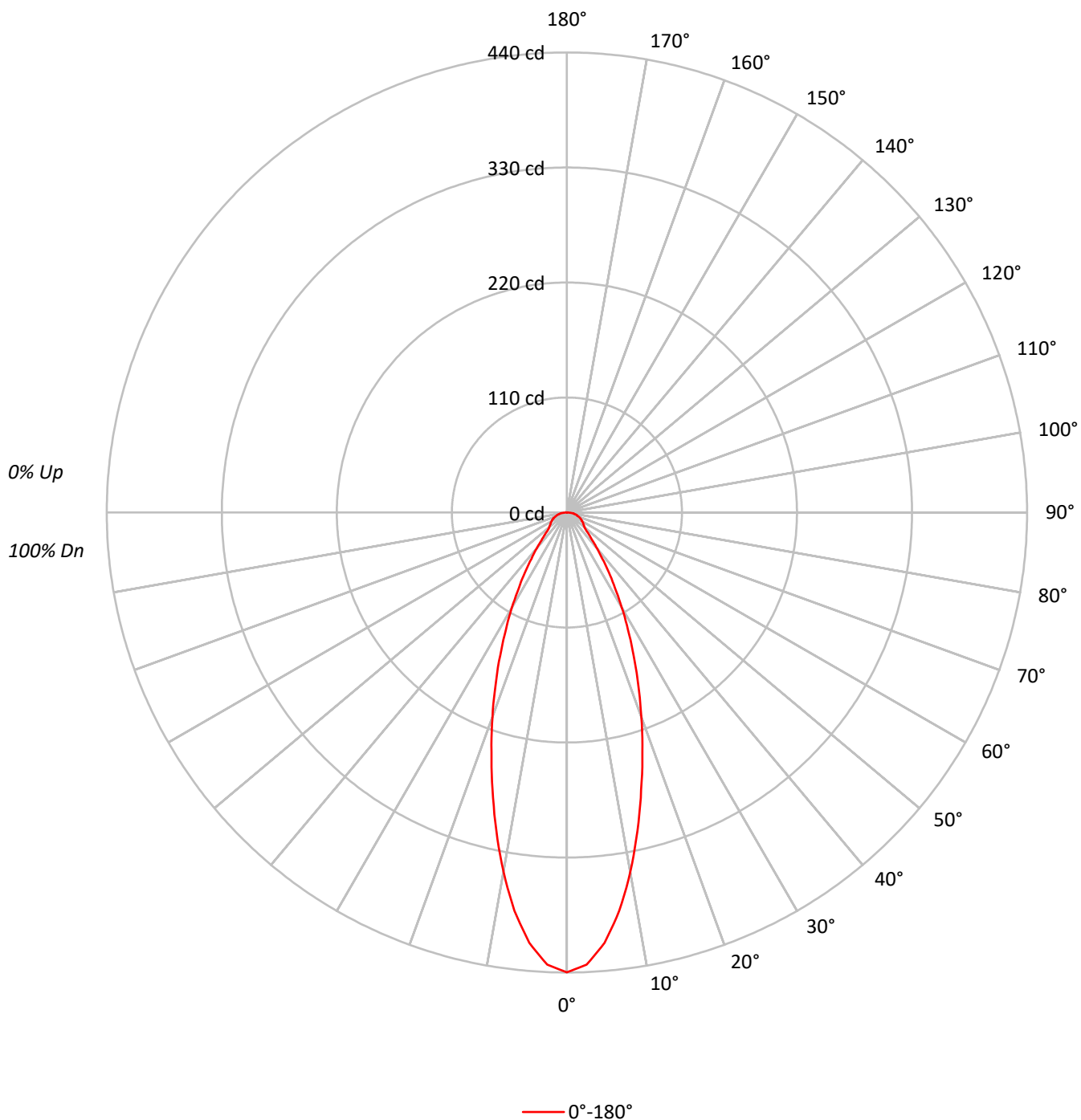
Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	101	102	100	97	98	96	94	95	93	92	90		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	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	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	67	62	82	72	66	62	71	65	61	69	64	61	68	64	60	59		
7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	55		
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96440
5°	90931
10°	77732
15°	62293
20°	48561
25°	36510
30°	26637
35°	18765
40°	12881
45°	9210
50°	7539
55°	7302
60°	7368
65°	7524
70°	7822
75°	8388
80°	8713
85°	9561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 10248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	12.6
10°-20°	76.2	25.7
20°-30°	69.5	23.4
30°-40°	44.2	14.9
40°-50°	23.7	8.0
50°-60°	17.3	5.8
60°-70°	14.5	4.9
70°-80°	10.2	3.4
80°-90°	4.0	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°	183.1	61.6
0°-40°	227.3	76.5
0°-60°	268.3	90.3
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	440	
5°	413	37
15°	274	76
25°	151	69
35°	70	44
45°	30	24
55°	19	17
65°	14	15
75°	10	10
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	439.8
2.5°	432.9
5°	413.1
7.5°	384.1
10°	349.1
12.5°	311.7
15°	274.4
17.5°	240.1
20°	208.1
22.5°	178.3
25°	150.9
27.5°	126.5
30°	105.2
32.5°	85.4
35°	70.1
37.5°	55.6
40°	45.0
42.5°	35.8
45°	29.7
47.5°	24.4
50°	22.1
52.5°	20.6
55°	19.1
57.5°	18.3
60°	16.8
62.5°	16.0
65°	14.5
67.5°	13.7
70°	12.2
72.5°	10.7
75°	9.9
77.5°	8.4
80°	6.9
82.5°	6.1
85°	3.8
87.5°	1.5
90°	0.0

(END OF REPORT)