

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: P1291667

Luminaire Tested: P3A09R15W2N902750DE010 E3PHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291667
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

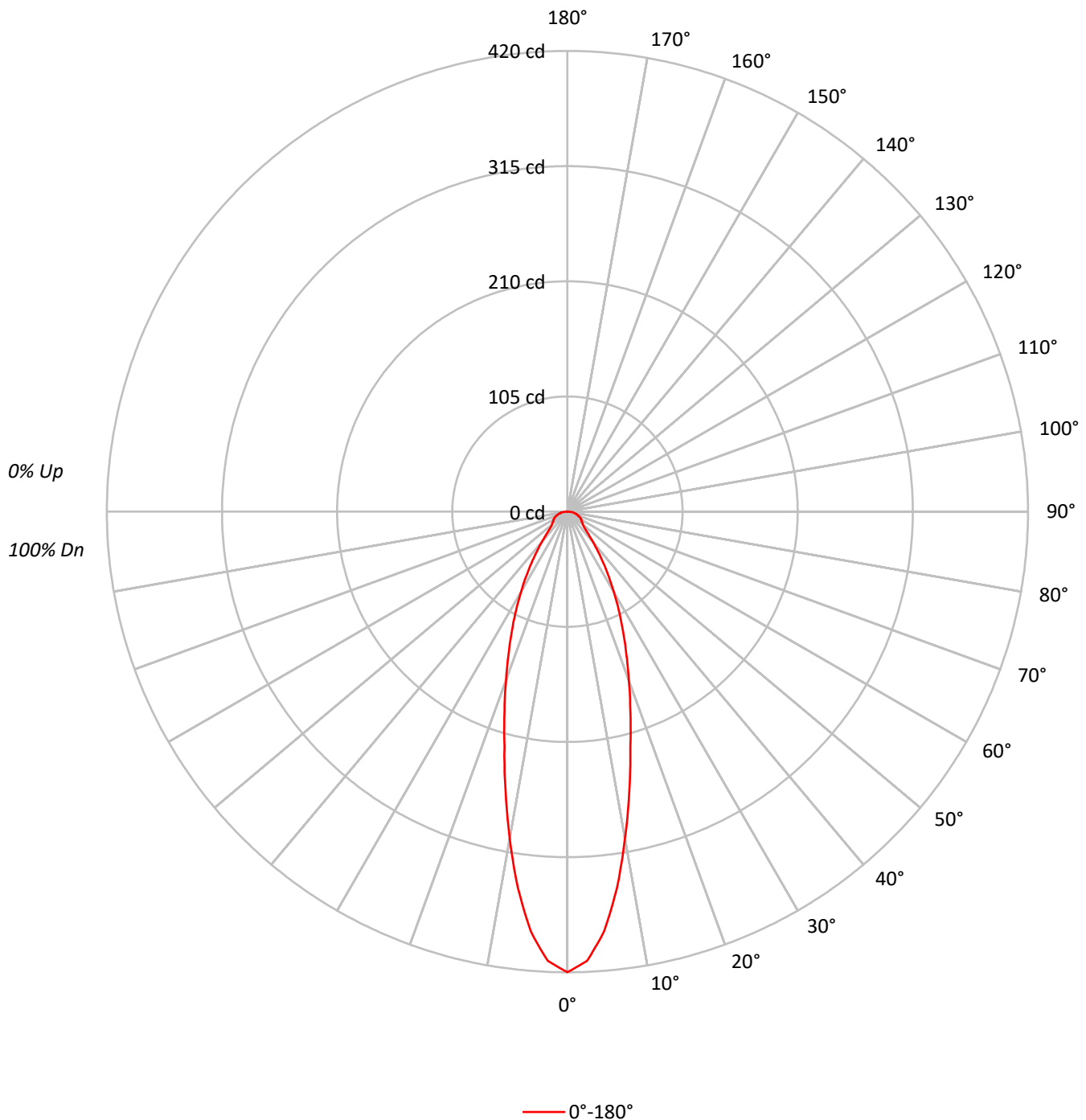
Lumens per Lamp: N/A
Luminaire Lumens: 246.0 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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
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°	92076
5°	84547
10°	67356
15°	50352
20°	38223
25°	28937
30°	21421
35°	15312
40°	10477
45°	7319
50°	6243
55°	6117
60°	6359
65°	6745
70°	6860
75°	7117
80°	7703
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 82.5°
Luminance: 8904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	13.8
10°-20°	62.2	25.3
20°-30°	55.1	22.4
30°-40°	36.1	14.7
40°-50°	19.3	7.8
50°-60°	14.6	5.9
60°-70°	12.6	5.1
70°-80°	8.7	3.5
80°-90°	3.5	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°	151.3	61.5
0°-40°	187.4	76.2
0°-60°	221.3	90.0
0°-90°	246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	246.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	384	34
15°	222	62
25°	120	55
35°	57	36
45°	24	19
55°	16	15
65°	13	13
75°	8	9
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	419.9
2.5°	410.0
5°	384.1
7.5°	346.0
10°	302.5
12.5°	260.6
15°	221.8
17.5°	190.5
20°	163.8
22.5°	140.2
25°	119.6
27.5°	101.4
30°	84.6
32.5°	70.1
35°	57.2
37.5°	45.7
40°	36.6
42.5°	29.0
45°	23.6
47.5°	20.6
50°	18.3
52.5°	17.5
55°	16.0
57.5°	15.2
60°	14.5
62.5°	13.7
65°	13.0
67.5°	11.4
70°	10.7
72.5°	9.1
75°	8.4
77.5°	6.9
80°	6.1
82.5°	5.3
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)