

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: P1291991

Luminaire Tested: P3A09R20W2N902750DE010 E3PHLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3PHLP1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

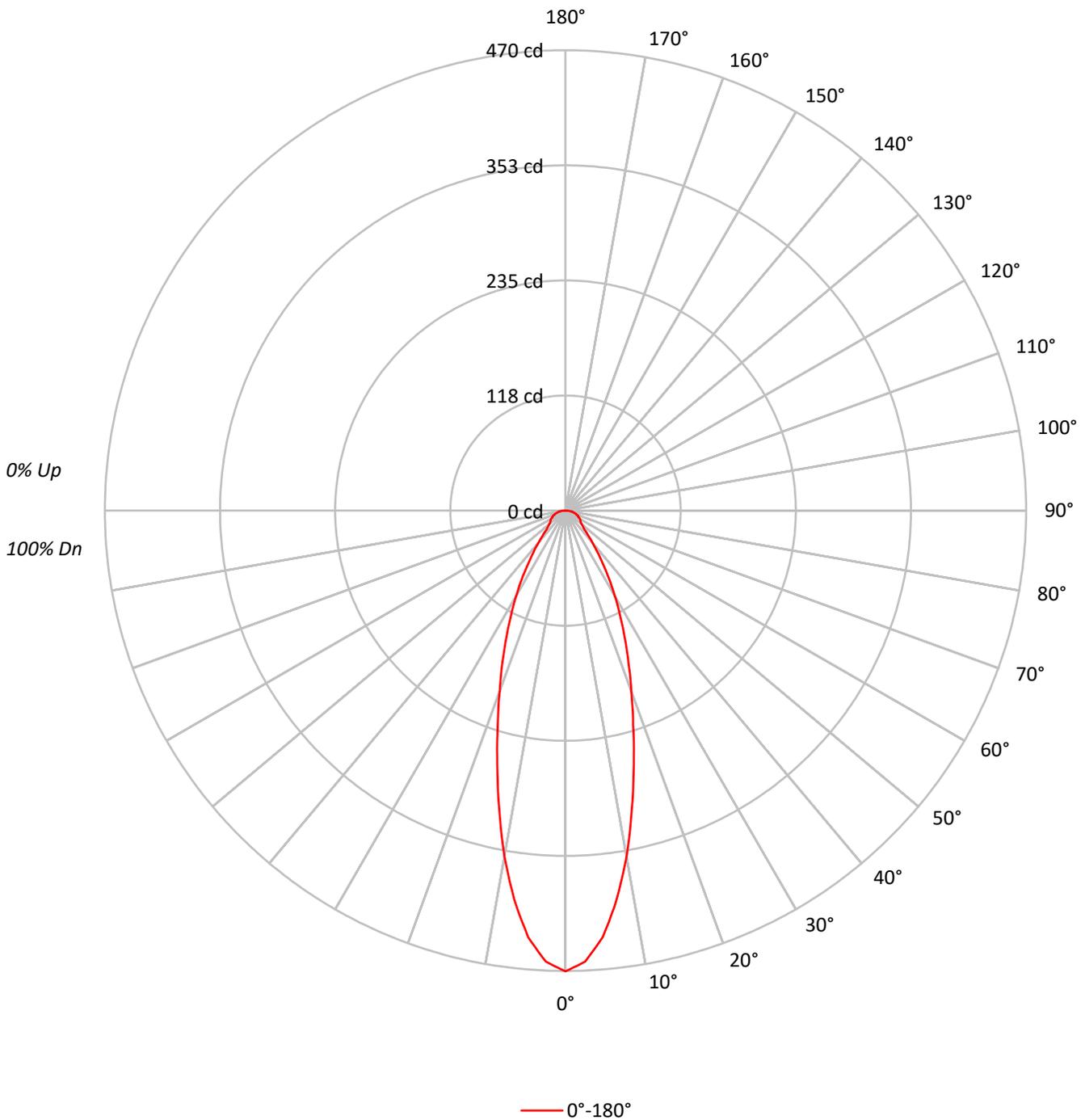
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 290.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
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	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	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103128
5°	96192
10°	79825
15°	61045
20°	45807
25°	34478
30°	25498
35°	17828
40°	12223
45°	8466
50°	7266
55°	7187
60°	7499
65°	7524
70°	7629
75°	7964
80°	8587
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 10080 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	13.5
10°-20°	74.8	25.8
20°-30°	65.8	22.7
30°-40°	42.5	14.6
40°-50°	22.5	7.8
50°-60°	16.9	5.8
60°-70°	14.4	5.0
70°-80°	10.1	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°	179.7	62.0
0°-40°	222.1	76.6
0°-60°	261.5	90.2
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	470	
5°	437	39
15°	269	75
25°	142	66
35°	67	42
45°	27	22
55°	19	17
65°	14	14
75°	9	10
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	470.3
2.5°	460.9
5°	437.0
7.5°	400.3
10°	358.5
12.5°	312.4
15°	268.9
17.5°	229.6
20°	196.3
22.5°	168.1
25°	142.5
27.5°	120.3
30°	100.7
32.5°	82.8
35°	66.6
37.5°	53.8
40°	42.7
42.5°	34.1
45°	27.3
47.5°	23.9
50°	21.3
52.5°	19.6
55°	18.8
57.5°	17.9
60°	17.1
62.5°	15.4
65°	14.5
67.5°	13.7
70°	11.9
72.5°	11.1
75°	9.4
77.5°	8.5
80°	6.8
82.5°	6.0
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)