

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: P1291982

Luminaire Tested: P3A09R20W2N902750DE010 E3PH1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3PH1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

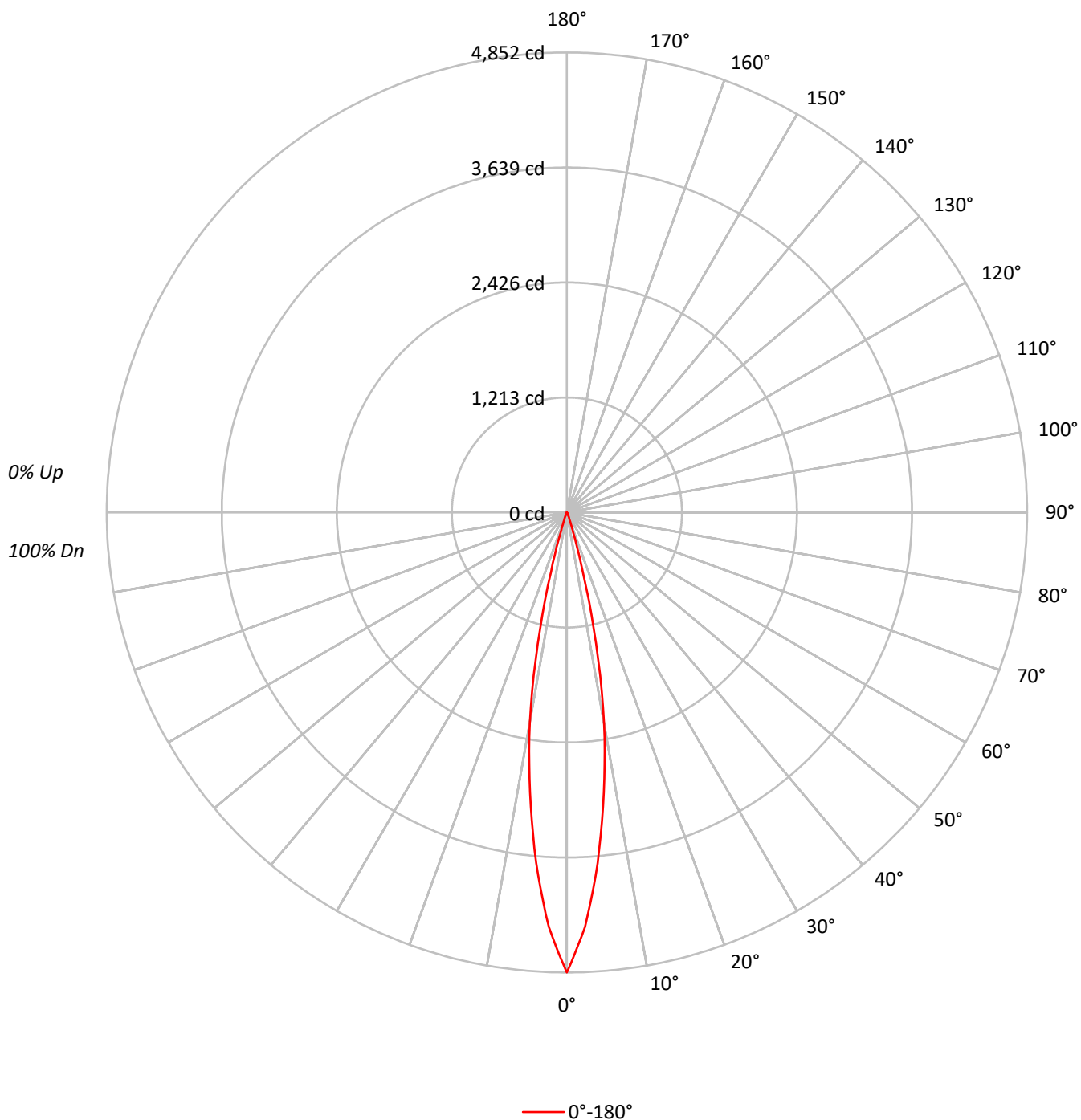
Lumens per Lamp: N/A
Luminaire Lumens: 535.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.32
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	100	100	100	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	98	98	98	98	98	98	98	98	97
3	110	107	104	101	109	105	103	101	103	101	99	101	99	98	99	97	96	96	96	96	96	96	96	96	96	96	96	96	95
4	108	104	101	98	107	103	100	98	101	98	97	99	97	95	97	95	94	94	94	94	94	94	94	94	94	94	94	94	93
5	106	101	98	96	105	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	93	93	93	93	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	93	96	94	92	95	93	91	91	91	91	91	91	91	91	91	91	91	91	91
7	102	97	94	92	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	90	90	90	90	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	89	89	89	89	89	89	89	89	88
9	99	94	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	88	88	88	88	88	88	88	88	88	88	88	87
10	97	92	89	87	96	92	89	87	91	88	87	91	88	87	90	88	86	86	86	86	86	86	86	86	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1063862
5°	817123
10°	503397
15°	146493
20°	19555
25°	5783
30°	1722
35°	241
40°	258
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 0 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.1	57.8
10°-20°	210.9	39.4
20°-30°	13.6	2.5
30°-40°	1.4	0.3
40°-50°	0.1	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	533.6	99.7
0°-40°	534.9	100.0
0°-60°	535.0	100.0
0°-90°	535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4852	
5°	3712	309
15°	645	211
25°	24	14
35°	1	1
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4851.6
2.5°	4374.6
5°	3712.2
7.5°	2978.0
10°	2260.8
12.5°	1418.0
15°	645.3
17.5°	204.3
20°	83.8
22.5°	44.4
25°	23.9
27.5°	12.0
30°	6.8
32.5°	3.4
35°	0.9
37.5°	0.9
40°	0.9
42.5°	0.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)