

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: P1291936

Luminaire Tested: P3A09R20W2N902750DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

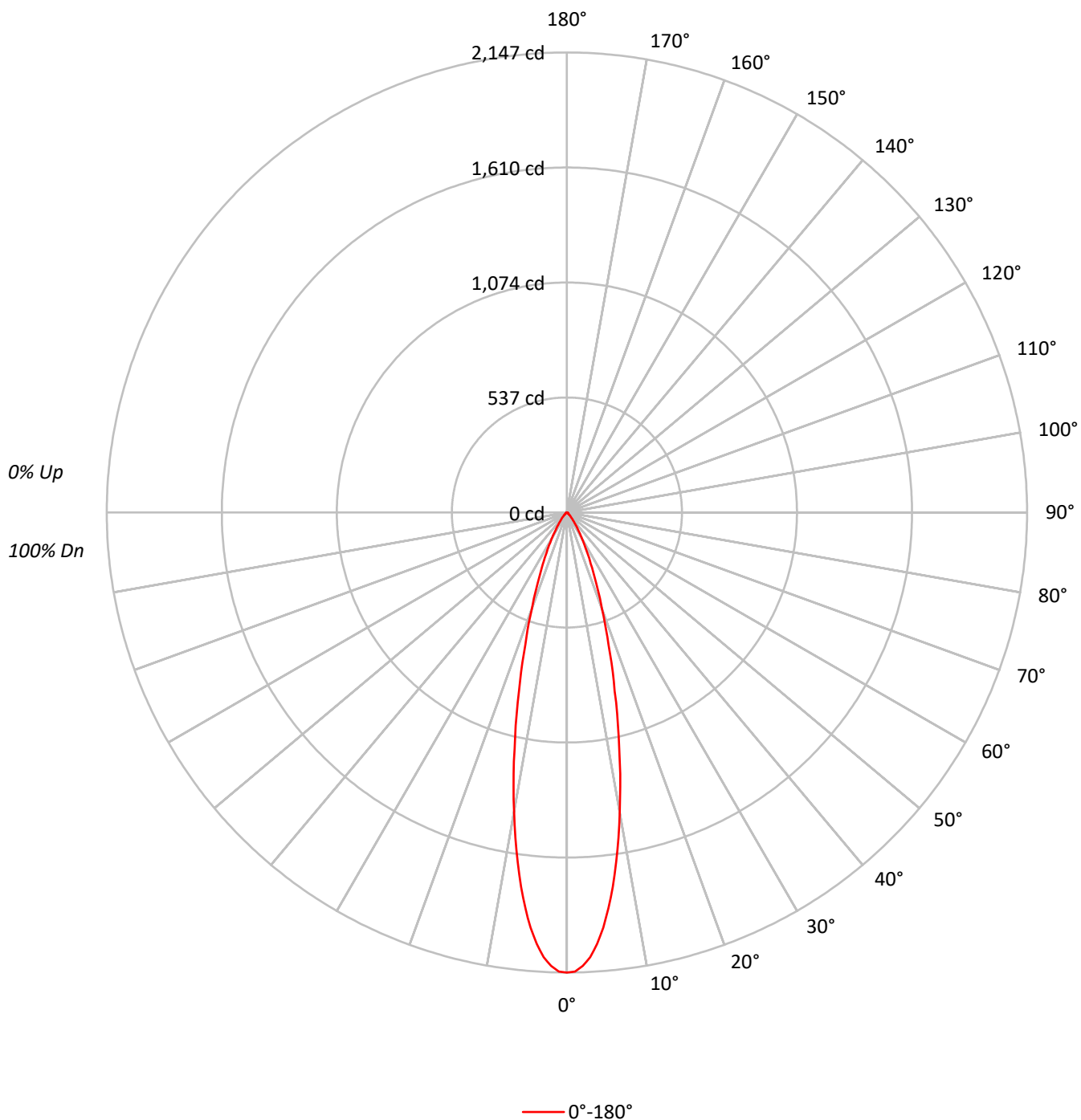
Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97		95			
2	110	106	102	100		108	104	101	98		101	98	96		98	96	94		95	94	92		91			
3	106	100	96	93		104	99	95	92		97	93	91		94	92	89		92	90	88		87			
4	102	96	91	88		100	95	90	87		92	89	86		91	88	85		89	86	84		83			
5	98	91	87	83		97	90	86	83		89	85	82		87	84	81		86	83	81		79			
6	95	87	83	79		93	87	82	79		85	81	78		84	81	78		83	80	77		76			
7	91	84	79	76		90	83	79	76		82	78	75		81	78	75		80	77	75		73			
8	88	81	76	73		87	80	76	73		79	75	72		78	75	72		78	74	72		71			
9	85	78	73	70		85	77	73	70		77	73	70		76	72	69		75	72	69		68			
10	83	75	71	68		82	75	70	67		74	70	67		73	70	67		73	69	67		66			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	470861
5°	428020
10°	316338
15°	195688
20°	111753
25°	63802
30°	35778
35°	19461
40°	10649
45°	5861
50°	3446
55°	2485
60°	2324
65°	2127
70°	1923
75°	2033
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	27.5
10°-20°	240.4	39.3
20°-30°	125.5	20.5
30°-40°	48.5	7.9
40°-50°	15.7	2.6
50°-60°	6.2	1.0
60°-70°	4.1	0.7
70°-80°	2.5	0.4
80°-90°	0.8	0.1
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°	534.2	87.3
0°-40°	582.7	95.2
0°-60°	604.7	98.8
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2147	
5°	1944	168
15°	862	240
25°	264	125
35°	73	49
45°	19	16
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2147.3
1°	2143.2
2°	2117.8
3°	2078.7
4°	2018.4
5°	1944.5
6°	1857.0
7°	1760.1
8°	1647.7
9°	1538.4
10°	1420.7
12.5°	1129.2
15°	862.0
17.5°	645.0
20°	478.9
22.5°	354.7
25°	263.7
27.5°	194.5
30°	141.3
32.5°	102.3
35°	72.7
37.5°	52.6
40°	37.2
42.5°	26.6
45°	18.9
47.5°	13.6
50°	10.1
52.5°	7.7
55°	6.5
57.5°	5.9
60°	5.3
62.5°	4.7
65°	4.1
67.5°	3.5
70°	3.0
72.5°	3.0
75°	2.4
77.5°	1.8
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)