

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: P1291938

Luminaire Tested: P3A09R20W2N902750DE010 E3DL1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291938
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

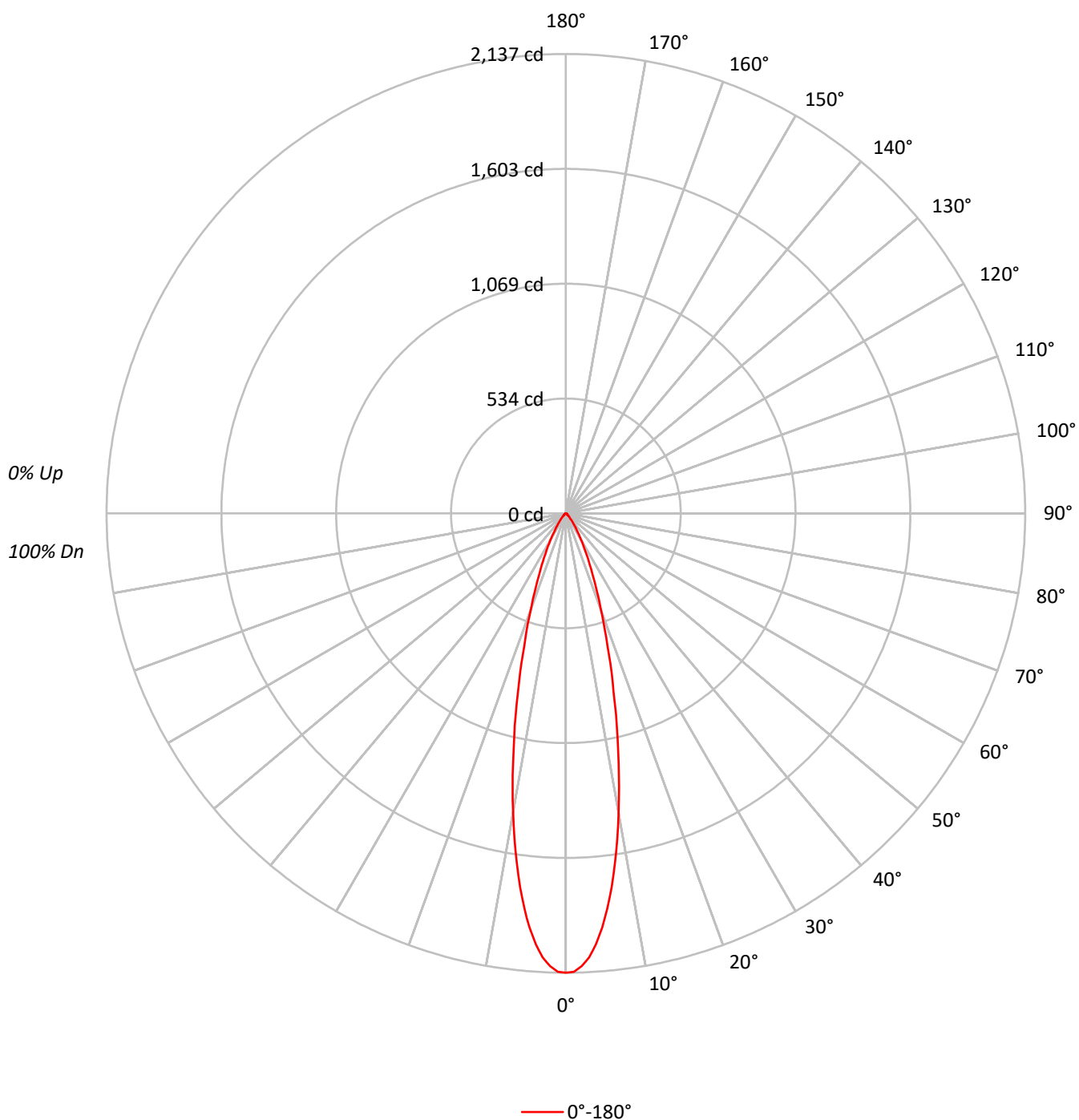
Lumens per Lamp: N/A
Luminaire Lumens: 609.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	468559
5°	425929
10°	314779
15°	194734
20°	111193
25°	63488
30°	35600
35°	19381
40°	10620
45°	5830
50°	3411
55°	2485
60°	2324
65°	2127
70°	1859
75°	2033
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	27.5
10°-20°	239.2	39.3
20°-30°	124.9	20.5
30°-40°	48.3	7.9
40°-50°	15.7	2.6
50°-60°	6.2	1.0
60°-70°	4.1	0.7
70°-80°	2.4	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°	531.6	87.3
0°-40°	579.9	95.2
0°-60°	601.7	98.8
0°-90°	609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2137	
5°	1935	168
15°	858	239
25°	262	125
35°	72	48
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°	2136.8
1°	2132.7
2°	2107.4
3°	2068.5
4°	2008.5
5°	1935.0
6°	1847.9
7°	1751.4
8°	1639.7
9°	1530.8
10°	1413.7
12.5°	1123.7
15°	857.8
17.5°	641.9
20°	476.5
22.5°	353.0
25°	262.4
27.5°	193.6
30°	140.6
32.5°	101.8
35°	72.4
37.5°	52.4
40°	37.1
42.5°	26.5
45°	18.8
47.5°	13.5
50°	10.0
52.5°	7.6
55°	6.5
57.5°	5.9
60°	5.3
62.5°	4.7
65°	4.1
67.5°	3.5
70°	2.9
72.5°	2.9
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)