

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: P1291980

Luminaire Tested: P3A09R20W2N902750DE010 E3PH1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291980
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

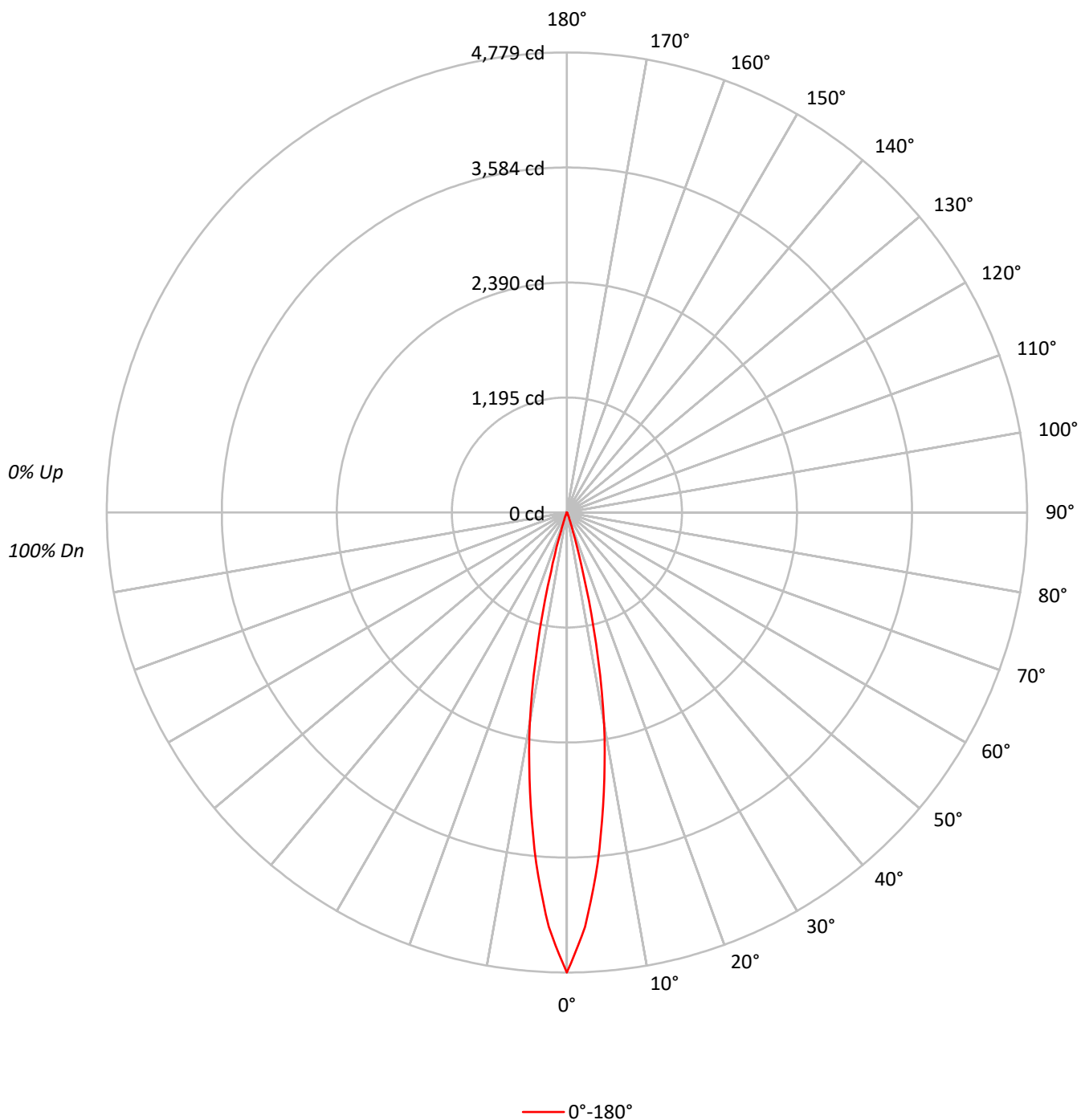
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.32
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1047942
5°	804907
10°	495871
15°	144314
20°	19252
25°	5710
30°	1696
35°	214
40°	229
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°	304.5	57.8
10°-20°	207.7	39.4
20°-30°	13.4	2.5
30°-40°	1.3	0.2
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°	525.6	99.7
0°-40°	526.9	100.0
0°-60°	527.0	100.0
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4779	
5°	3657	305
15°	636	208
25°	24	13
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°	4779.0
2.5°	4309.2
5°	3656.7
7.5°	2933.4
10°	2227.0
12.5°	1396.8
15°	635.7
17.5°	201.2
20°	82.5
22.5°	43.8
25°	23.6
27.5°	11.8
30°	6.7
32.5°	3.4
35°	0.8
37.5°	0.8
40°	0.8
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)