

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: P1291909

Luminaire Tested: P3A09R20W2N902750DE010 E3D1WH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3D1WH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

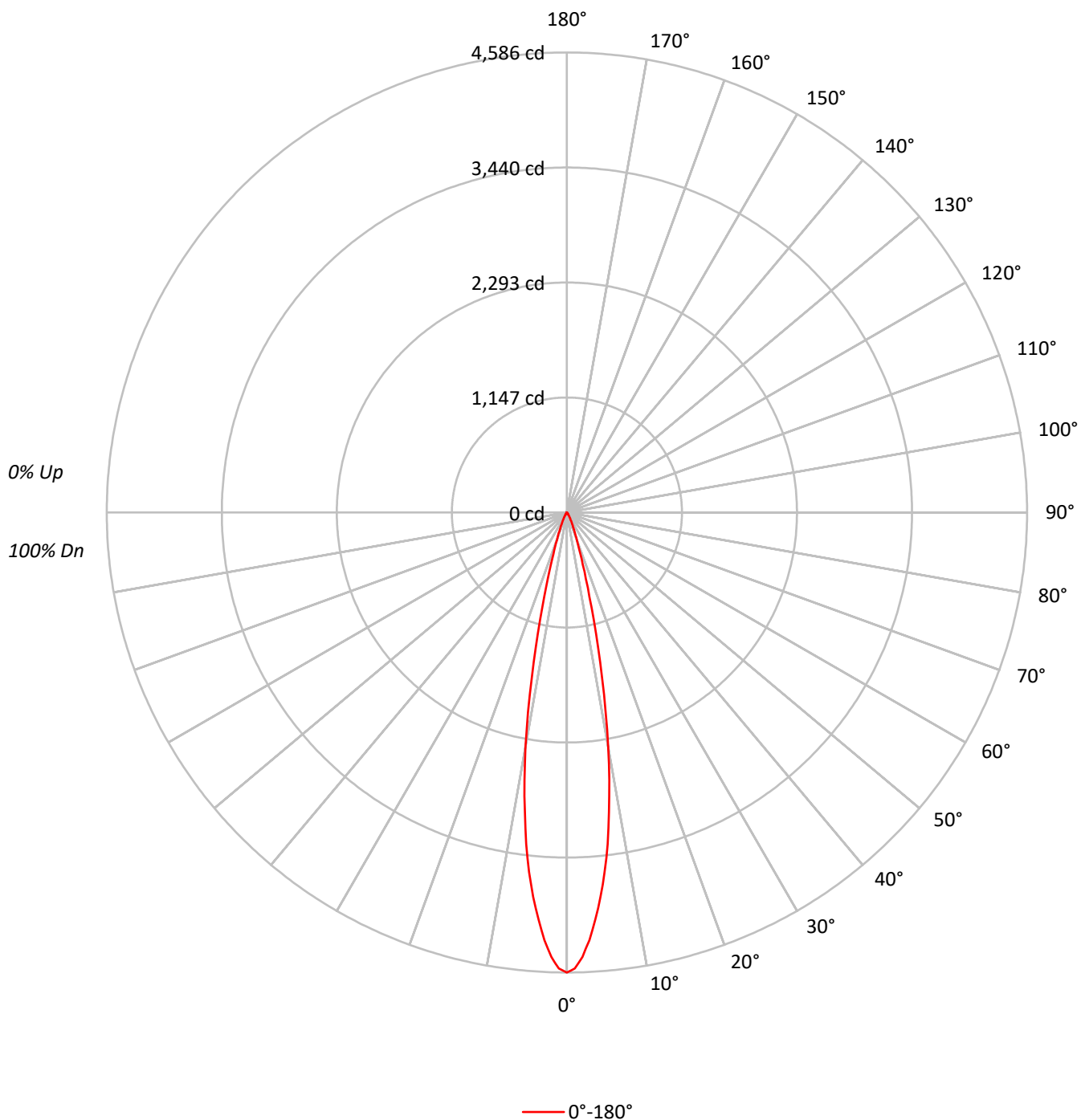
Lumens per Lamp: N/A
Luminaire Lumens: 663.1 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97			
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95			
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93			
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91			
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89			
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87			
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85			
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83			
9	95	89	85	83	94	89	85	83	88	85	83	87	84	82	87	84	82	81			
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1005709
5°	846773
10°	528892
15°	197731
20°	67859
25°	28284
30°	13319
35°	5970
40°	2834
45°	1458
50°	546
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Luminance: 1458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.9	48.2
10°-20°	263.5	39.7
20°-30°	59.9	9.0
30°-40°	15.3	2.3
40°-50°	3.8	0.6
50°-60°	0.5	0.1
60°-70°	0.2	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°	643.3	97.0
0°-40°	658.5	99.3
0°-60°	662.9	100.0
0°-90°	663.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4586	
5°	3847	320
15°	871	264
25°	117	60
35°	22	15
45°	5	4
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4586.4
1°	4547.6
2°	4433.0
3°	4268.6
4°	4067.0
5°	3846.9
6°	3601.6
7°	3331.0
8°	3015.3
9°	2702.4
10°	2375.3
11°	2027.1
12°	1679.5
13°	1385.0
14°	1103.5
15°	871.0
16°	687.5
17°	542.3
18°	435.8
19°	354.4
20°	290.8
21°	243.2
22°	203.0
23°	168.8
24°	140.8
25°	116.9
27.5°	76.5
30°	52.6
32.5°	32.4
35°	22.3
37.5°	14.3
40°	9.9
42.5°	6.7
45°	4.7
47.5°	3.1
50°	1.6
52.5°	0.8
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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)