

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: P1291958

Luminaire Tested: P3AS09R20W2N902750DE010 E3DLD1LI\_5000K

Issue Date: 1/30/2026

**Test Information**

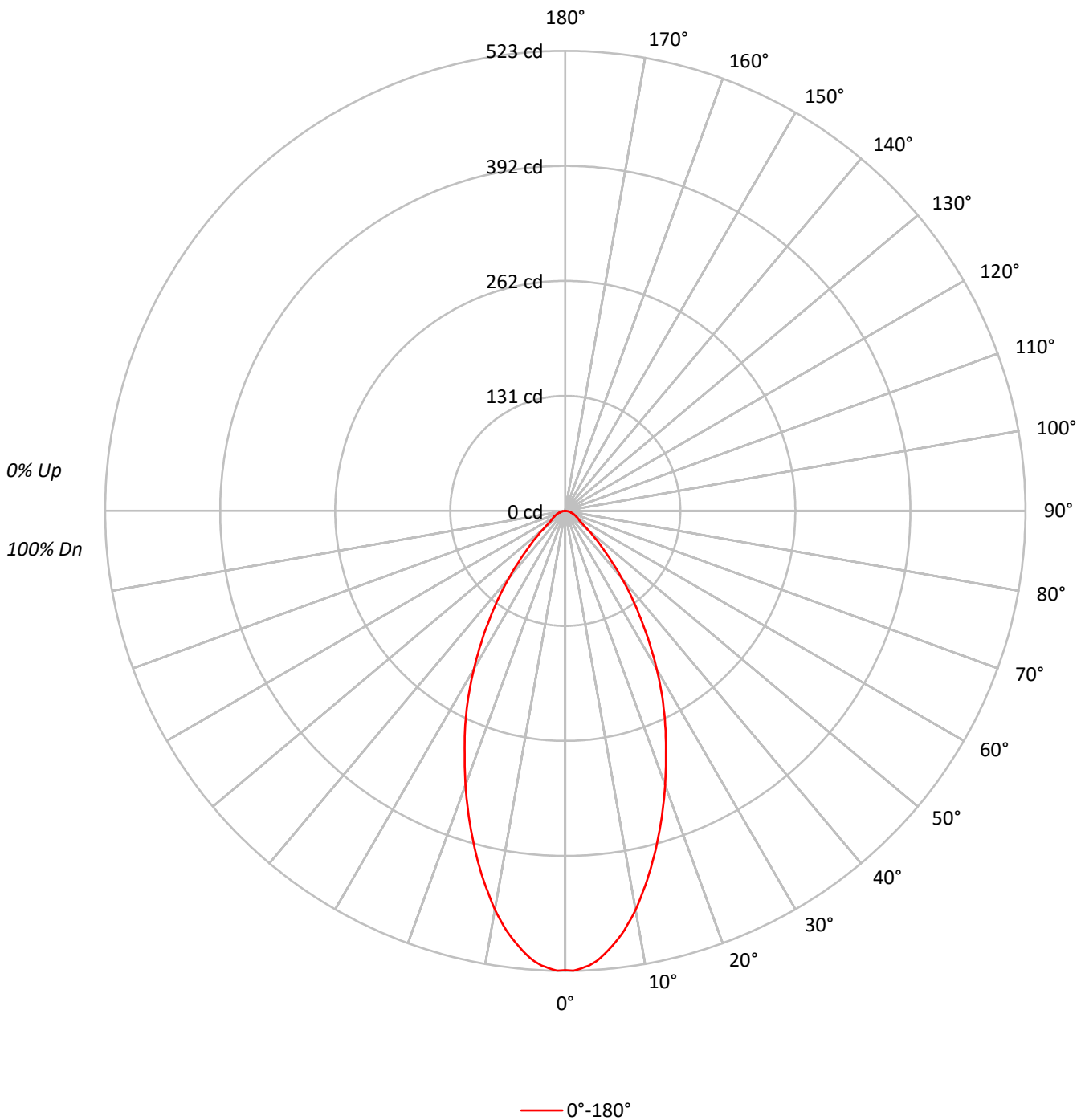
Test Method: LM-79-2019  
Report Number: P1291958  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R20W2N902750DE010 E3DLD1LI\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3DLD1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 463.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83  
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	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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83			
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76			
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55			
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52			
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48			
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	114530
5°	111468
10°	102537
15°	90262
20°	77403
25°	65036
30°	52565
35°	39993
40°	28453
45°	18793
50°	11633
55°	7646
60°	6973
65°	6434
70°	6027
75°	5507
80°	5177
85°	4529

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18793 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	10.1
10°-20°	110.7	23.9
20°-30°	122.9	26.5
30°-40°	93.7	20.2
40°-50°	48.0	10.4
50°-60°	19.7	4.3
60°-70°	12.3	2.7
70°-80°	6.9	1.5
80°-90°	2.0	0.4
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°	280.4	60.6
0°-40°	374.1	80.8
0°-60°	441.8	95.4
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	522	
5°	506	47
15°	398	111
25°	269	123
35°	149	94
45°	61	48
55°	20	20
65°	12	12
75°	6	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	522.3
1°	522.9
2°	520.5
3°	517.6
4°	512.9
5°	506.4
6°	498.7
7°	490.5
8°	481.7
9°	471.1
10°	460.5
12.5°	429.9
15°	397.6
17.5°	364.6
20°	331.7
22.5°	298.8
25°	268.8
27.5°	238.8
30°	207.6
32.5°	178.2
35°	149.4
37.5°	124.1
40°	99.4
42.5°	78.2
45°	60.6
47.5°	45.9
50°	34.1
52.5°	25.3
55°	20.0
57.5°	18.2
60°	15.9
62.5°	14.1
65°	12.4
67.5°	10.6
70°	9.4
72.5°	7.6
75°	6.5
77.5°	5.3
80°	4.1
82.5°	2.9
85°	1.8
87.5°	0.6
90°	0.0

(END OF REPORT)