

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: P1290038

Luminaire Tested: P3AS05R50W2N902750DE010 E3DL1WH\_3500K

Issue Date: 1/30/2026

**Test Information**

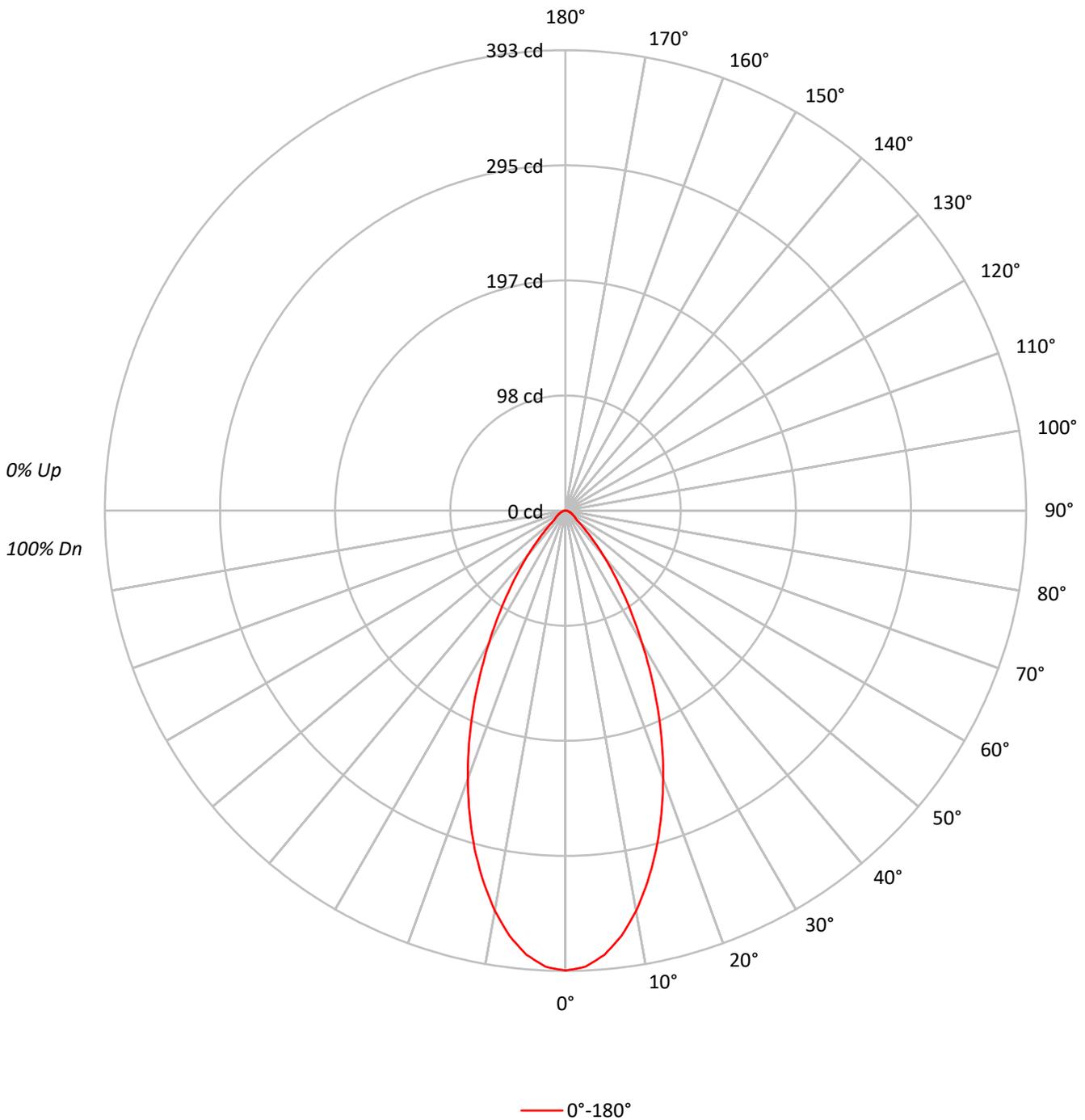
Test Method: LM-79-2019  
Report Number: P1290038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R50W2N902750DE010 E3DL1WH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
E3DL1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 296.0 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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			100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79			79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73			73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68			68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64			64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53			53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			50

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

	0°
0°	86090
5°	83777
10°	77242
15°	67946
20°	56845
25°	45075
30°	33068
35°	22727
40°	14456
45°	8063
50°	4367
55°	3670
60°	3158
65°	2906
70°	2565
75°	2372
80°	2020
85°	2013

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8063 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.3	11.9
10°-20°	82.9	28.0
20°-30°	84.8	28.6
30°-40°	53.8	18.2
40°-50°	21.4	7.2
50°-60°	8.7	2.9
60°-70°	5.5	1.9
70°-80°	2.8	1.0
80°-90°	0.9	0.3
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°	202.9	68.6
0°-40°	256.7	86.7
0°-60°	286.7	96.9
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	393	
5°	381	35
15°	299	83
25°	186	85
35°	85	54
45°	26	21
55°	10	9
65°	6	6
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	392.6
2.5°	389.8
5°	380.6
7.5°	366.2
10°	346.9
12.5°	324.1
15°	299.3
17.5°	272.0
20°	243.6
22.5°	215.1
25°	186.3
27.5°	157.4
30°	130.6
32.5°	106.6
35°	84.9
37.5°	66.5
40°	50.5
42.5°	37.3
45°	26.0
47.5°	17.6
50°	12.8
52.5°	10.8
55°	9.6
57.5°	8.4
60°	7.2
62.5°	6.4
65°	5.6
67.5°	4.8
70°	4.0
72.5°	3.2
75°	2.8
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)