

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: P1249747

Luminaire Tested: P3AS17R509027DE010 E3DL1WH

Issue Date: 1/30/2026

**Test Information**

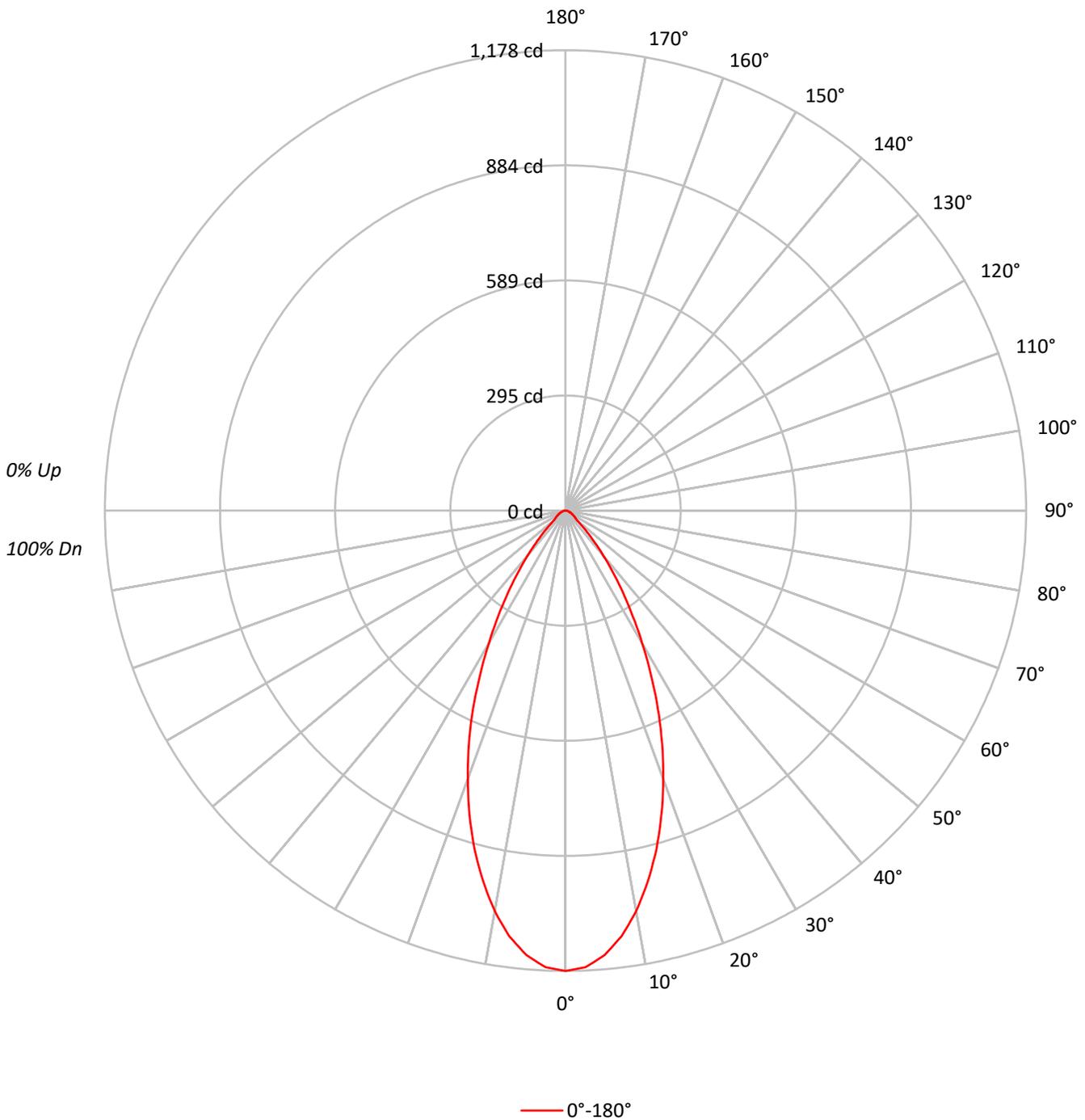
Test Method: LM-79-2019  
Report Number: P1249747  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R509027DE010 E3DL1WH  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 887.9 lumens  
Efficiency: N/A  
Efficacy: 41.9 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): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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°	258269
5°	251331
10°	231748
15°	203815
20°	170511
25°	135226
30°	99205
35°	68208
40°	43338
45°	24220
50°	13134
55°	11010
60°	9473
65°	8717
70°	7694
75°	7117
80°	6061
85°	6038

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24220 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.8	11.9
10°-20°	248.6	28.0
20°-30°	254.3	28.6
30°-40°	161.3	18.2
40°-50°	64.2	7.2
50°-60°	26.0	2.9
60°-70°	16.6	1.9
70°-80°	8.5	1.0
80°-90°	2.6	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°	608.7	68.6
0°-40°	770.0	86.7
0°-60°	860.2	96.9
0°-90°	887.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1178	
5°	1142	106
15°	898	249
25°	559	254
35°	255	161
45°	78	64
55°	29	26
65°	17	17
75°	8	9
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1177.8
2.5°	1169.4
5°	1141.8
7.5°	1098.5
10°	1040.8
12.5°	972.3
15°	897.8
17.5°	816.1
20°	730.7
22.5°	645.4
25°	558.9
27.5°	472.3
30°	391.8
32.5°	319.7
35°	254.8
37.5°	199.5
40°	151.4
42.5°	111.8
45°	78.1
47.5°	52.9
50°	38.5
52.5°	32.4
55°	28.8
57.5°	25.2
60°	21.6
62.5°	19.2
65°	16.8
67.5°	14.4
70°	12.0
72.5°	9.6
75°	8.4
77.5°	6.0
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)