

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: P1300782

Luminaire Tested: P3A17R40W2N902750DE010 E3D1H\_2700K

Issue Date: 1/29/2026

**Test Information**

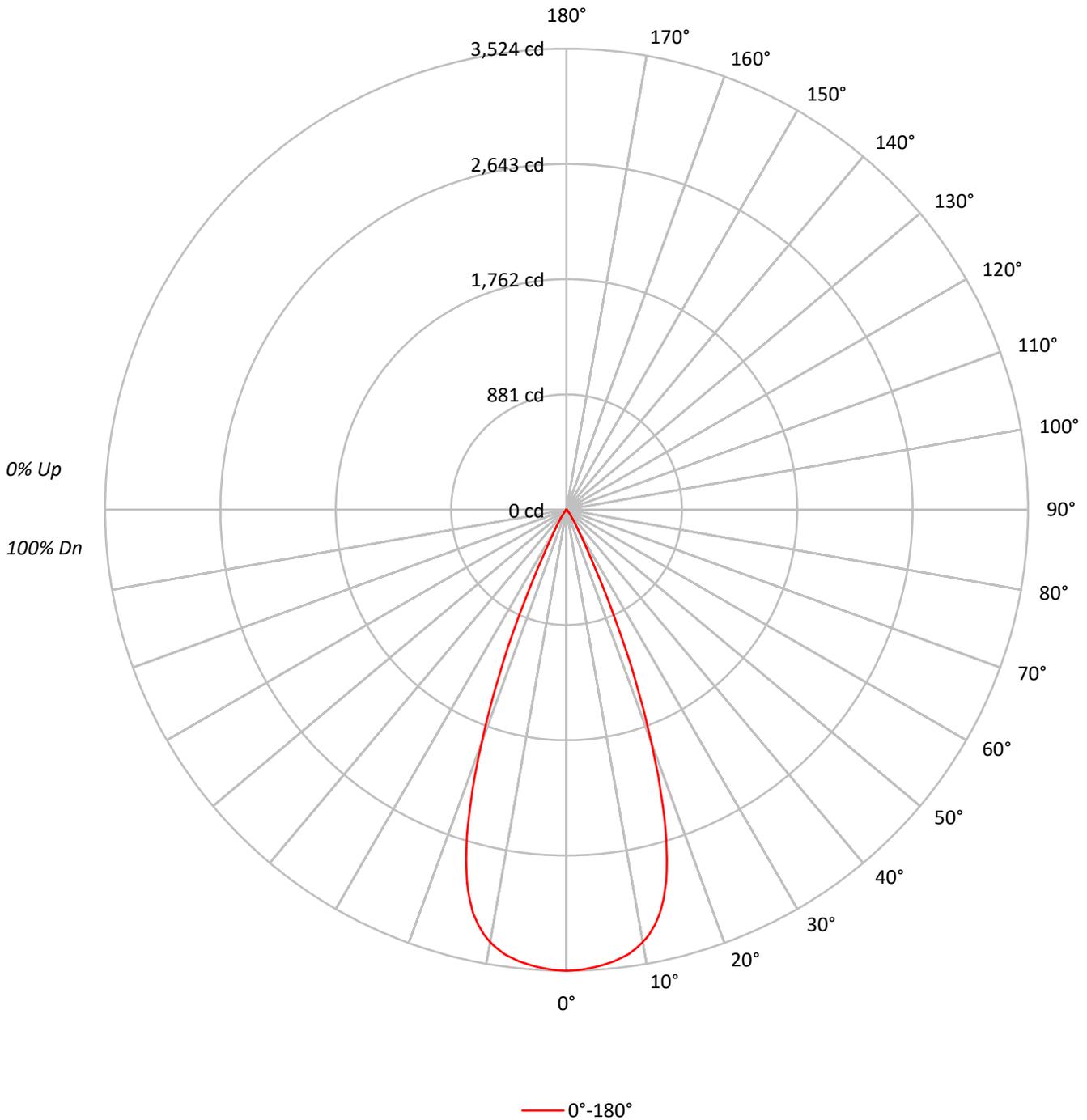
Test Method: LM-79-2019  
Report Number: P1300782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R40W2N902750DE010 E3D1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1516.0 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92			92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88			88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79			79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76			76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73			73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70			70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68			68

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

	0°
0°	772745
5°	767156
10°	747080
15°	667359
20°	442508
25°	165784
30°	44336
35°	17320
40°	6240
45°	2977
50°	921
55°	421
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2977 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.9	21.7
10°-20°	778.9	51.4
20°-30°	353.2	23.3
30°-40°	45.8	3.0
40°-50°	7.9	0.5
50°-60°	0.9	0.1
60°-70°	0.3	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°	1461.0	96.4
0°-40°	1506.8	99.4
0°-60°	1515.7	100.0
0°-90°	1516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3524	
5°	3485	329
15°	2940	779
25°	685	353
35°	65	46
45°	10	8
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3524.0
1°	3521.9
2°	3516.5
3°	3508.6
4°	3498.5
5°	3485.2
6°	3469.8
7°	3450.7
8°	3427.4
9°	3395.5
10°	3355.2
11°	3308.0
12°	3244.8
13°	3166.8
14°	3064.9
15°	2939.7
16°	2779.9
17°	2597.9
18°	2379.2
19°	2148.4
20°	1896.3
21°	1644.2
22°	1395.8
23°	1148.5
24°	905.4
25°	685.2
26°	507.4
27°	371.5
28°	279.2
29°	217.1
30°	175.1
31°	144.9
32°	121.0
32.5°	110.4
33°	99.8
34°	81.2
35°	64.7
36°	50.9
37°	40.3
37.5°	36.1
38°	31.8
39°	26.5
40°	21.8
42.5°	14.3
45°	9.6



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**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	5.8
50°	2.7
52.5°	1.1
55°	1.1
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
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)