

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: P1301050

Luminaire Tested: P3A17R40W2N902765DE010 E3DLP1LI\_4000K

Issue Date: 1/30/2026

**Test Information**

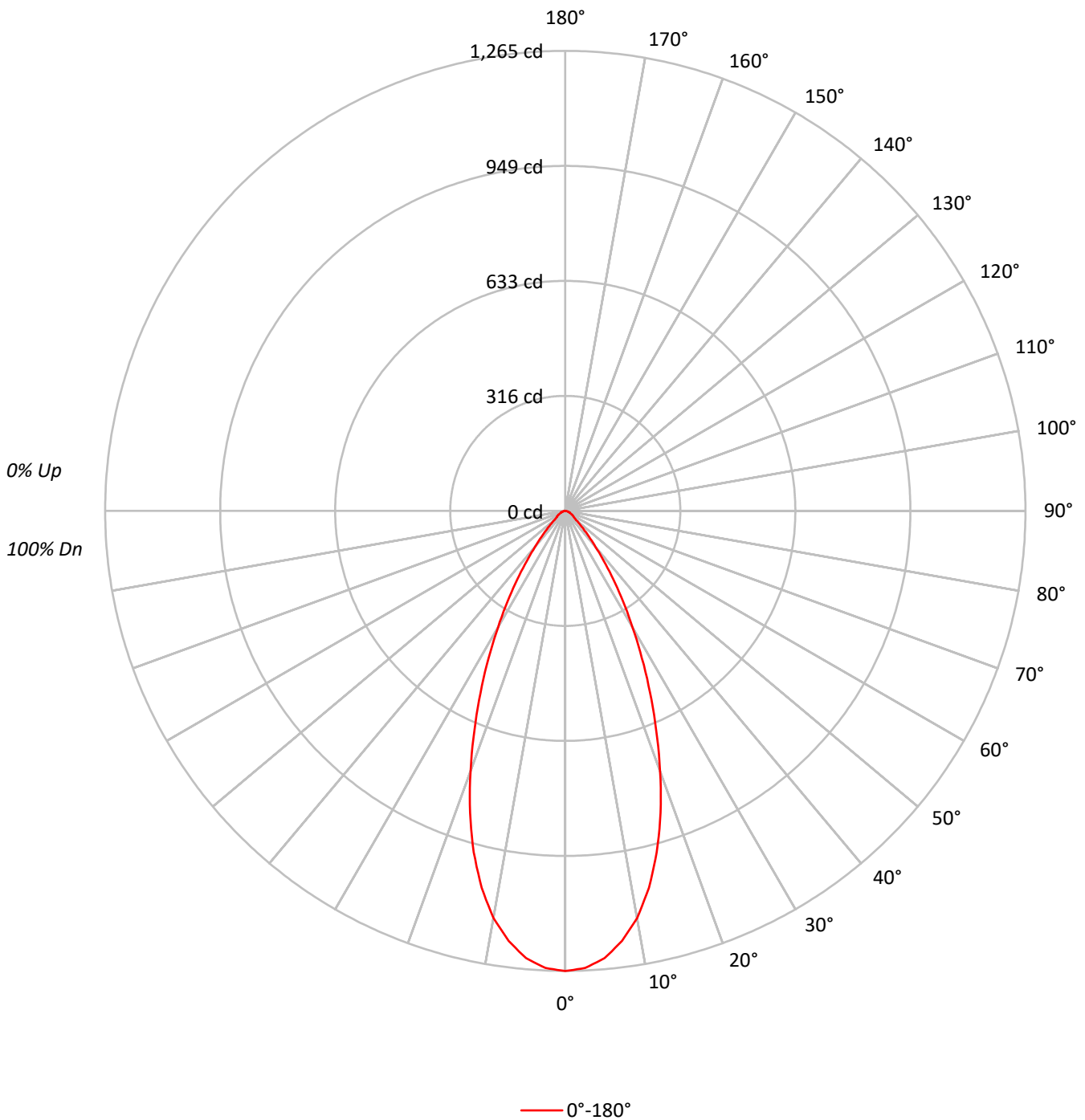
Test Method: LM-79-2019  
Report Number: P1301050  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R40W2N902765DE010 E3DLP1LI\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,  
E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 891.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74  
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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80	80	80	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74	74	74	74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69	69	69	69
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65	65	65	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	62	61	61	61	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58	58	58	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54	54	54	54
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51

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

	0°
0°	277434
5°	271824
10°	253079
15°	220592
20°	177769
25°	133242
30°	93685
35°	61382
40°	37155
45°	22204
50°	13236
55°	10666
60°	9561
65°	8198
70°	7758
75°	6185
80°	6188
85°	6038

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22204 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.7	12.9
10°-20°	267.6	30.0
20°-30°	252.2	28.3
30°-40°	145.8	16.4
40°-50°	58.1	6.5
50°-60°	25.7	2.9
60°-70°	15.9	1.8
70°-80°	8.3	0.9
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°	634.5	71.2
0°-40°	780.3	87.6
0°-60°	864.2	97.0
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1265	
5°	1235	115
15°	972	268
25°	551	252
35°	229	146
45°	72	58
55°	28	26
65°	16	16
75°	7	8
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1265.2
2.5°	1257.9
5°	1234.9
7.5°	1192.4
10°	1136.6
12.5°	1061.4
15°	971.7
17.5°	871.0
20°	761.8
22.5°	652.6
25°	550.7
27.5°	456.1
30°	370.0
32.5°	294.8
35°	229.3
37.5°	173.5
40°	129.8
42.5°	97.0
45°	71.6
47.5°	52.2
50°	38.8
52.5°	31.5
55°	27.9
57.5°	25.5
60°	21.8
62.5°	18.2
65°	15.8
67.5°	13.3
70°	12.1
72.5°	9.7
75°	7.3
77.5°	6.1
80°	4.9
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)