

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: P1300790

Luminaire Tested: P3A17R40W2N902750DE010 E3D1LI_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300790
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 E3D1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

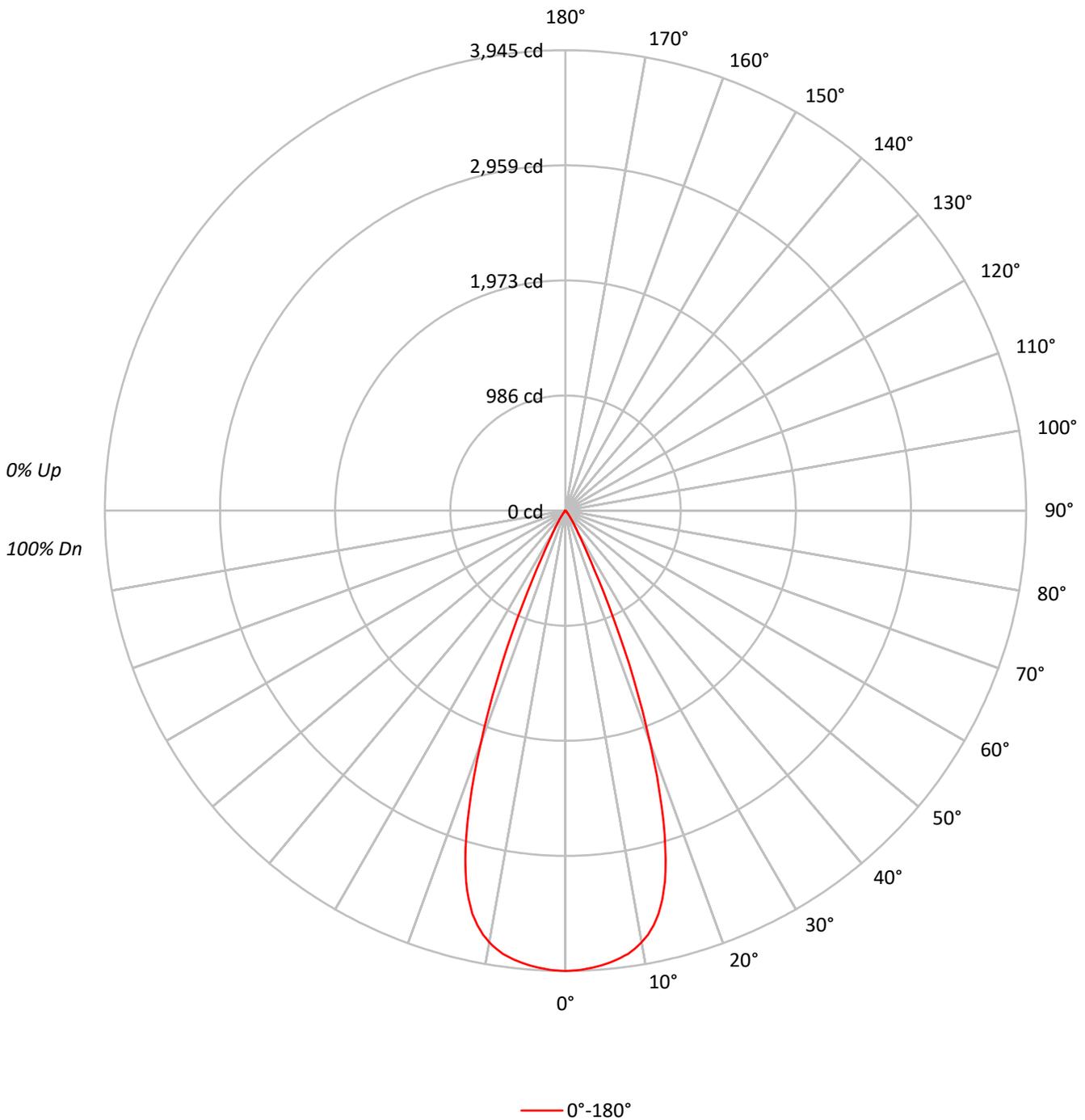
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1697.0 lumens
Efficiency: N/A
Efficacy: 87.5 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	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	71	71	71	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	864996
5°	858747
10°	836279
15°	747019
20°	495340
25°	185575
30°	49628
35°	19408
40°	6985
45°	3318
50°	1023
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3318 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.2	21.7
10°-20°	871.9	51.4
20°-30°	395.4	23.3
30°-40°	51.3	3.0
40°-50°	8.9	0.5
50°-60°	1.1	0.1
60°-70°	0.4	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°	1635.5	96.4
0°-40°	1686.7	99.4
0°-60°	1696.6	100.0
0°-90°	1697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3945	
5°	3901	368
15°	3291	872
25°	767	395
35°	72	51
45°	11	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3944.7
1°	3942.3
2°	3936.4
3°	3927.5
4°	3916.2
5°	3901.3
6°	3884.1
7°	3862.7
8°	3836.6
9°	3800.9
10°	3755.8
11°	3702.9
12°	3632.2
13°	3544.9
14°	3430.8
15°	3290.6
16°	3111.8
17°	2908.0
18°	2663.3
19°	2404.9
20°	2122.7
21°	1840.5
22°	1562.4
23°	1285.6
24°	1013.5
25°	767.0
26°	567.9
27°	415.9
28°	312.5
29°	243.0
30°	196.0
31°	162.2
32°	135.5
32.5°	123.6
33°	111.7
34°	90.9
35°	72.5
36°	57.0
37°	45.2
37.5°	40.4
38°	35.6
39°	29.7
40°	24.4
42.5°	16.0
45°	10.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.5
50°	3.0
52.5°	1.2
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
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)