

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: P1300783

Luminaire Tested: P3A17R40W2N902750DE010 E3D1H_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300783
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

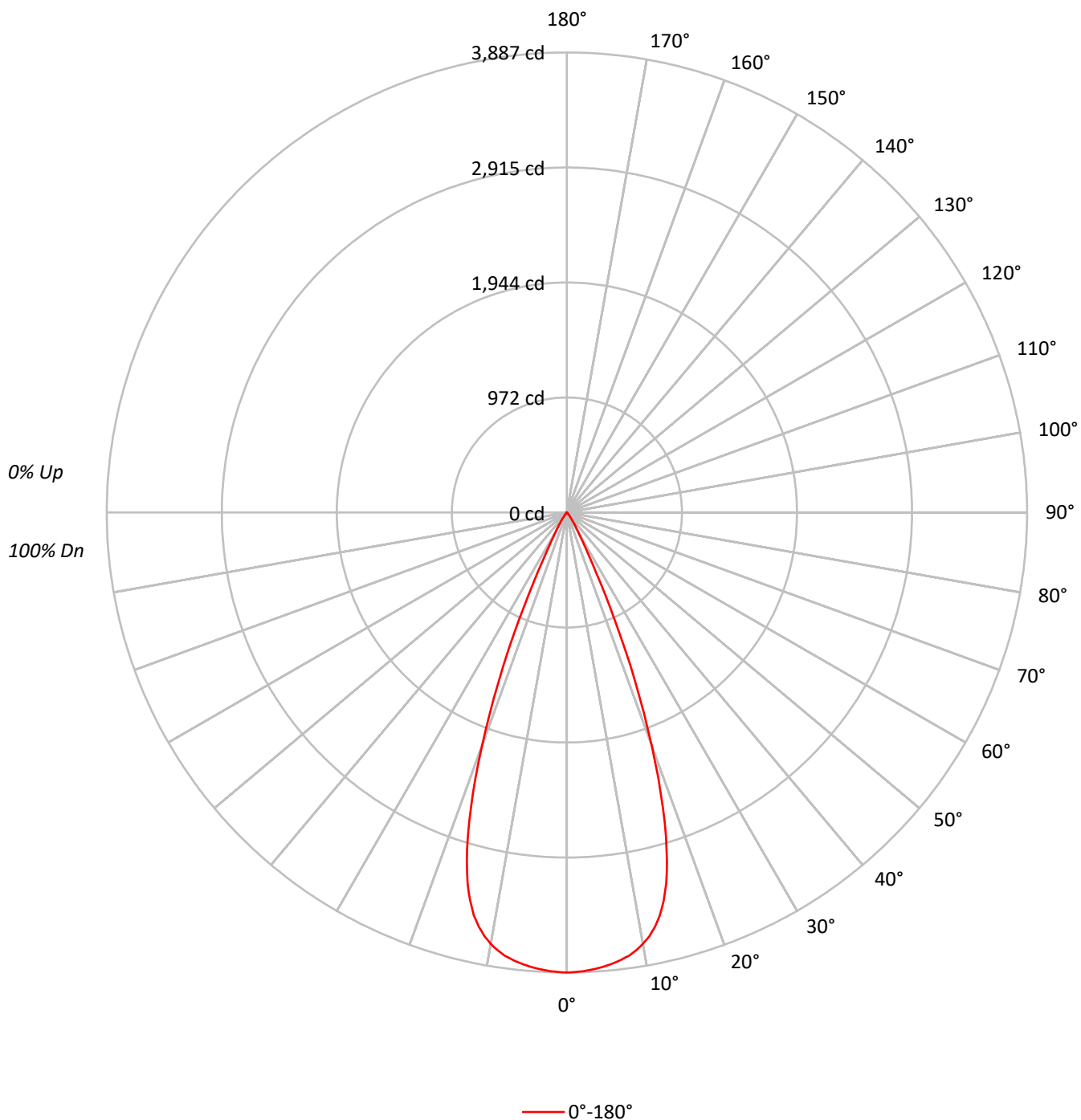
Lumens per Lamp: N/A
Luminaire Lumens: 1672.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1300783

CATALOG NUMBER: P3A17R40W2N902750DE010 E3D1H_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1300783

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	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		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73		
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70		
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	852256
5°	846113
10°	823966
15°	736031
20°	488036
25°	182841
30°	48919
35°	19113
40°	6870
45°	3256
50°	989
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: 3256 cd/sqm

TEST NUMBER: P1300783

CATALOG NUMBER: P3A17R40W2N902750DE010 E3D1H_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.7	21.7
10°-20°	859.1	51.4
20°-30°	389.6	23.3
30°-40°	50.5	3.0
40°-50°	8.7	0.5
50°-60°	1.0	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°	1611.4	96.4
0°-40°	1661.9	99.4
0°-60°	1671.7	100.0
0°-90°	1672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1672.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3887	
5°	3844	363
15°	3242	859
25°	756	390
35°	71	50
45°	10	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1300783

CATALOG NUMBER: P3A17R40W2N902750DE010 E3D1H_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	3886.6
1°	3884.3
2°	3878.4
3°	3869.6
4°	3858.5
5°	3843.9
6°	3826.9
7°	3805.8
8°	3780.1
9°	3745.0
10°	3700.5
11°	3648.4
12°	3578.7
13°	3492.7
14°	3380.3
15°	3242.2
16°	3066.0
17°	2865.2
18°	2624.0
19°	2369.4
20°	2091.4
21°	1813.4
22°	1539.4
23°	1266.7
24°	998.6
25°	755.7
26°	559.6
27°	409.7
28°	307.9
29°	239.4
30°	193.2
31°	159.8
32°	133.5
32.5°	121.7
33°	110.0
34°	89.6
35°	71.4
36°	56.2
37°	44.5
37.5°	39.8
38°	35.1
39°	29.3
40°	24.0
42.5°	15.8
45°	10.5



TEST NUMBER: P1300783

CATALOG NUMBER: P3A17R40W2N902750DE010 E3D1H_3000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.4
50°	2.9
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)