

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: P1299487

Luminaire Tested: P3A17R20W2N902750DE010 E3D1H_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902750DE010 E3D1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

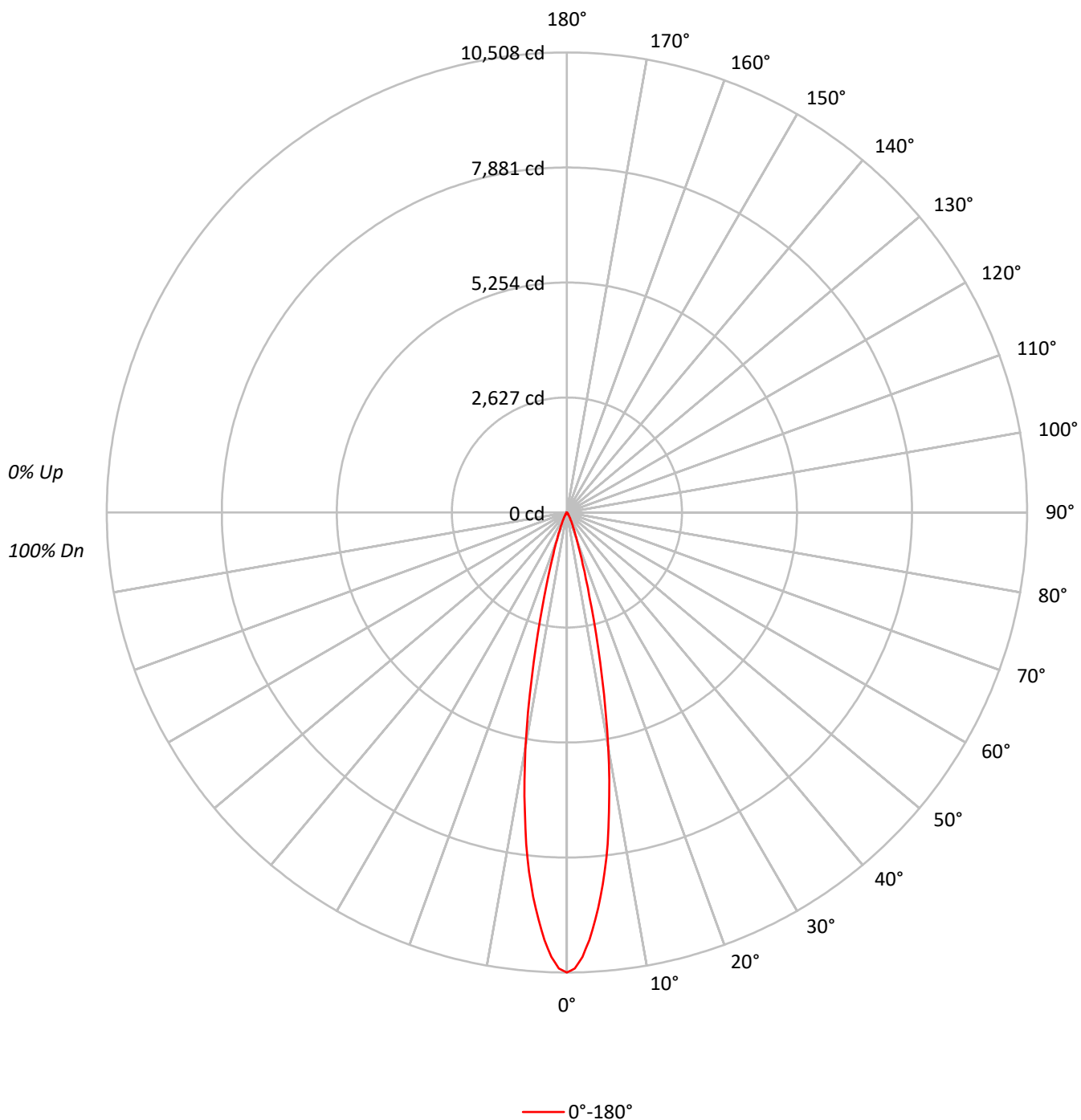
Lumens per Lamp: N/A
Luminaire Lumens: 1519.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97			
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95			
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93			
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91			
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89			
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87			
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85			
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83			
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81			
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2304201
5°	1940035
10°	1211734
15°	453011
20°	155507
25°	64818
30°	30536
35°	13679
40°	6469
45°	3318
50°	1228
55°	229
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°	732.9	48.2
10°-20°	603.7	39.7
20°-30°	137.2	9.0
30°-40°	34.9	2.3
40°-50°	8.8	0.6
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°	1473.8	97.0
0°-40°	1508.8	99.3
0°-60°	1518.7	100.0
0°-90°	1519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10508	
5°	8814	733
15°	1996	604
25°	268	137
35°	51	35
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°	10508.0
1°	10418.9
2°	10156.4
3°	9779.9
4°	9317.8
5°	8813.6
6°	8251.7
7°	7631.7
8°	6908.3
9°	6191.5
10°	5442.0
11°	4644.4
12°	3847.9
13°	3173.2
14°	2528.3
15°	1995.5
16°	1575.0
17°	1242.5
18°	998.4
19°	811.9
20°	666.4
21°	557.1
22°	465.0
23°	386.6
24°	322.5
25°	267.9
27.5°	175.2
30°	120.6
32.5°	74.2
35°	51.1
37.5°	32.7
40°	22.6
42.5°	15.4
45°	10.7
47.5°	7.1
50°	3.6
52.5°	1.8
55°	0.6
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



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CANDELA DISTRIBUTION (continued):

	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)