

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: P1299496

Luminaire Tested: P3A17R20W2N902750DE010 E3D1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902750DE010 E3D1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

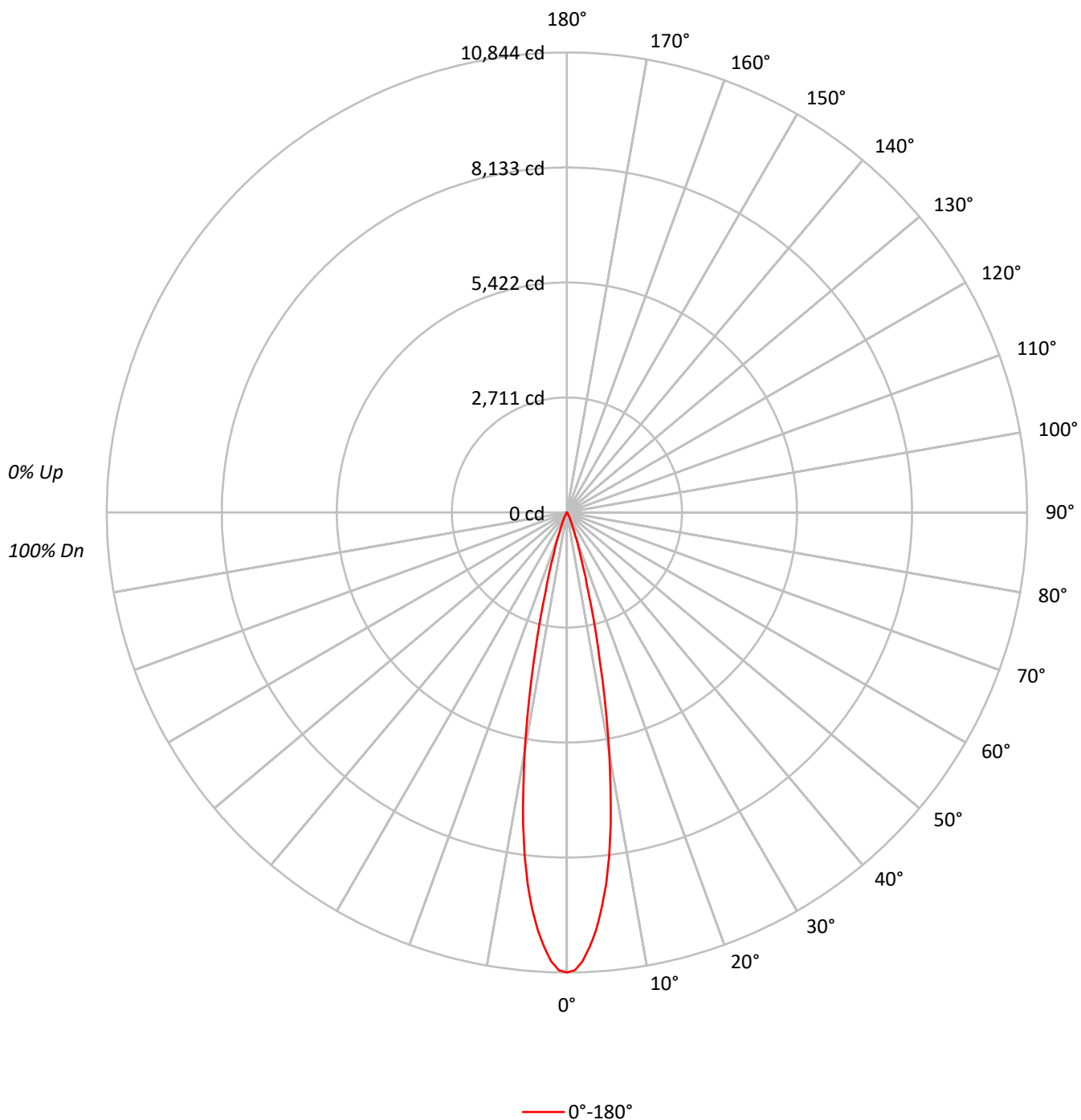
Lumens per Lamp: N/A
Luminaire Lumens: 1531.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2377814
5°	2063873
10°	1275238
15°	442931
20°	136022
25°	48075
30°	17800
35°	7147
40°	3807
45°	1489
50°	819
55°	918
60°	1053
65°	623
70°	769
75°	1017
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.2	50.8
10°-20°	617.4	40.3
20°-30°	106.9	7.0
30°-40°	19.4	1.3
40°-50°	4.4	0.3
50°-60°	2.2	0.1
60°-70°	1.3	0.1
70°-80°	1.1	0.1
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°	1502.5	98.1
0°-40°	1521.9	99.4
0°-60°	1528.5	99.8
0°-90°	1531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10844	
5°	9376	778
15°	1951	617
25°	199	107
35°	27	19
45°	5	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10843.7
1°	10791.6
2°	10585.6
3°	10254.8
4°	9867.0
5°	9376.2
6°	8813.9
7°	8159.4
8°	7414.2
9°	6576.8
10°	5727.2
12.5°	3612.6
15°	1951.1
17.5°	1042.2
20°	582.9
22.5°	333.3
25°	198.7
27.5°	121.2
30°	70.3
32.5°	41.2
35°	26.7
37.5°	18.2
40°	13.3
42.5°	8.5
45°	4.8
47.5°	2.4
50°	2.4
52.5°	2.4
55°	2.4
57.5°	2.4
60°	2.4
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)