

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: P1299495

Luminaire Tested: P3A17R20W2N902750DE010 E3D1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299495
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

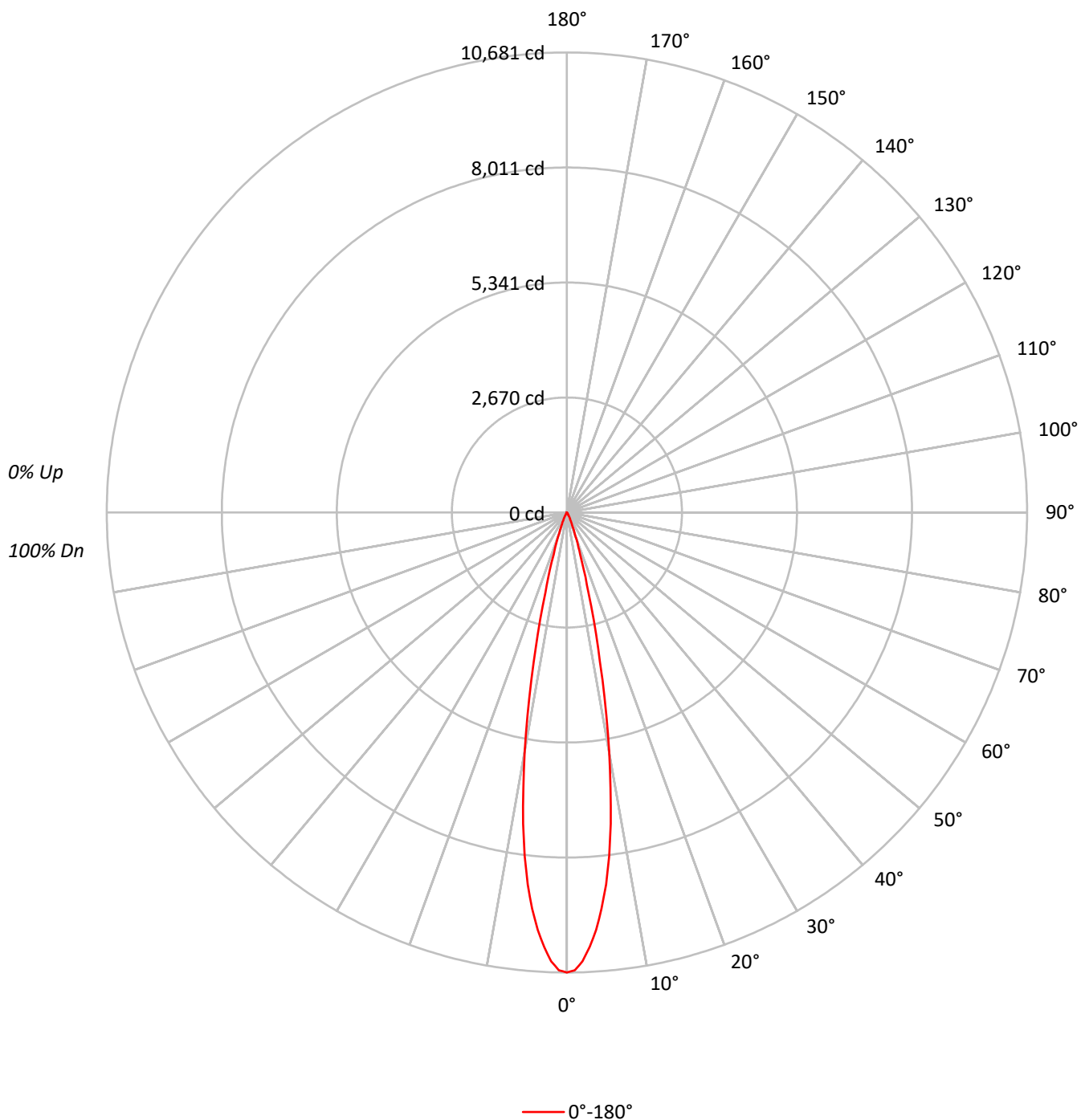
Lumens per Lamp: N/A
Luminaire Lumens: 1508.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	102	102	102	102	102	102	102	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	99	98	97	97	96	95	95	94	93	93	92	91
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	96	95	95	94	93	93	92	91	91	90	89
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	94	93	93	92	91	91	90	89	88	87	86
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	92	91	90	89	88	87	86	85	84	83	82	81
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90	89	88	87	86	85	84	83	82	81	80	79
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88	87	86	85	84	83	82	81	80	79	78	77
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86	85	84	83	82	81	80	79	78	77	76	75
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73
9	96	90	87	85	95	90	87	85	89	86	84	88	86	84	87	85	83	82	81	80	79	78	77	76	75	74	73	72	71
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	81	80	79	78	77	76	75	74	73	72	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2342093
5°	2032858
10°	1256089
15°	436279
20°	133968
25°	47374
30°	17522
35°	7040
40°	3750
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°	766.5	50.8
10°-20°	608.1	40.3
20°-30°	105.3	7.0
30°-40°	19.1	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°	1479.9	98.1
0°-40°	1499.0	99.4
0°-60°	1505.6	99.8
0°-90°	1508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1508.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10681	
5°	9235	766
15°	1922	608
25°	196	105
35°	26	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°	10680.8
1°	10629.5
2°	10426.6
3°	10100.7
4°	9718.7
5°	9235.3
6°	8681.4
7°	8036.9
8°	7302.8
9°	6478.0
10°	5641.2
12.5°	3558.3
15°	1921.8
17.5°	1026.5
20°	574.1
22.5°	328.3
25°	195.8
27.5°	119.4
30°	69.2
32.5°	40.6
35°	26.3
37.5°	17.9
40°	13.1
42.5°	8.4
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)