

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: P1299469

Luminaire Tested: P3A17R20W2N902750DE010 E3CD1MB_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299469
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 E3CD1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

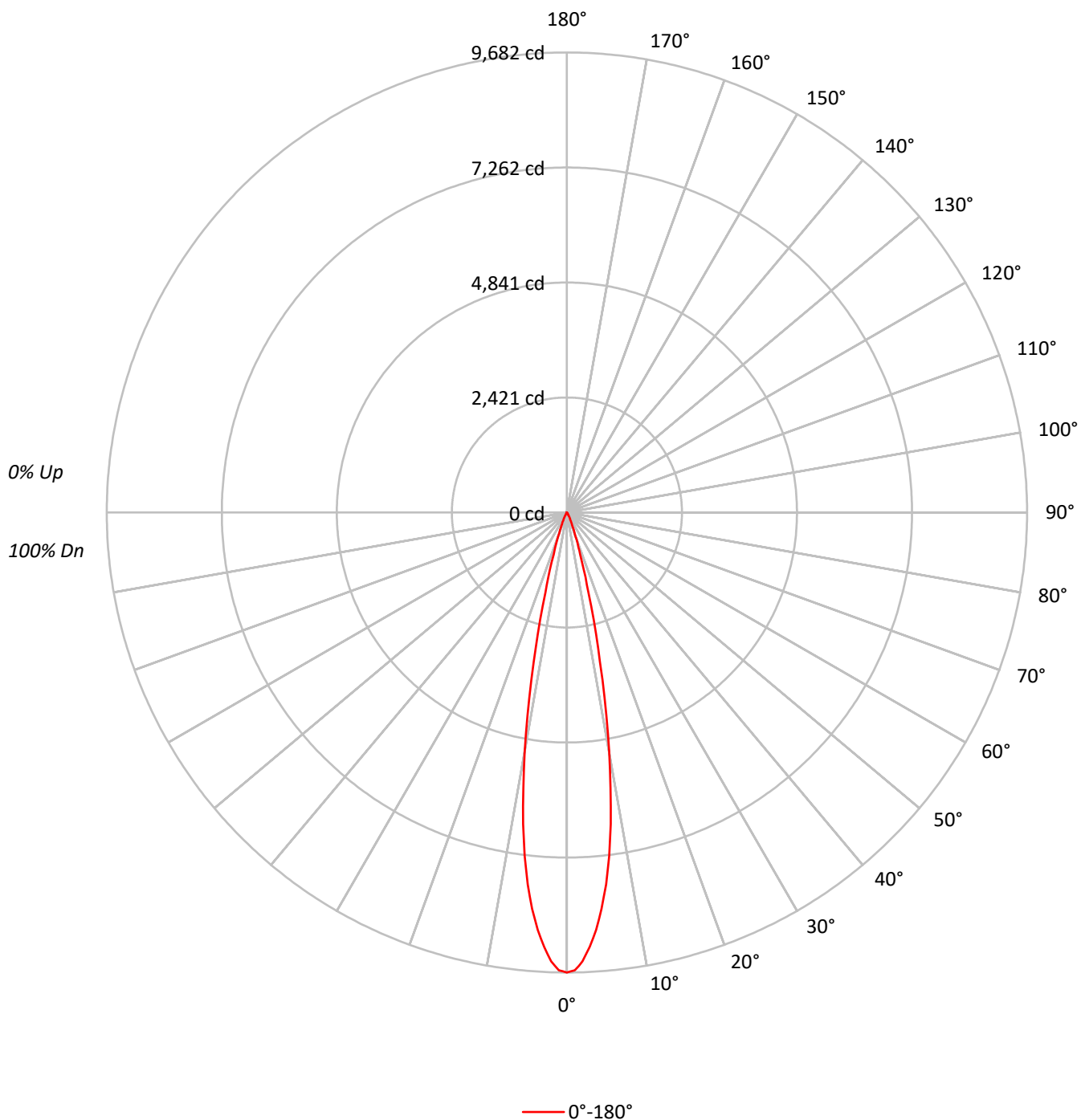
Lumens per Lamp: N/A
Luminaire Lumens: 1367.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	98
2	112	109	106	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	95
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	93
4	107	102	99	96	105	101	98	96	99	97	94	97	95	93	96	94	92	92	91	90	90	89	88	87	86	85	84	83	91
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	90
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	88
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	86
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	85
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	83
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	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2123097
5°	1842786
10°	1138634
15°	395485
20°	121461
25°	42946
30°	15901
35°	6371
40°	3406
45°	1333
50°	751
55°	841
60°	965
65°	571
70°	705
75°	932
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.8	50.8
10°-20°	551.3	40.3
20°-30°	95.5	7.0
30°-40°	17.3	1.3
40°-50°	4.0	0.3
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	1.0	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°	1341.5	98.1
0°-40°	1358.9	99.4
0°-60°	1364.9	99.8
0°-90°	1367.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1367.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9682	
5°	8372	695
15°	1742	551
25°	178	95
35°	24	17
45°	4	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9682.1
1°	9635.6
2°	9451.7
3°	9156.3
4°	8810.0
5°	8371.8
6°	7869.7
7°	7285.4
8°	6620.0
9°	5872.3
10°	5113.7
12.5°	3225.6
15°	1742.1
17.5°	930.6
20°	520.5
22.5°	297.6
25°	177.5
27.5°	108.2
30°	62.8
32.5°	36.8
35°	23.8
37.5°	16.2
40°	11.9
42.5°	7.6
45°	4.3
47.5°	2.2
50°	2.2
52.5°	2.2
55°	2.2
57.5°	2.2
60°	2.2
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)