

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: P1299528

Luminaire Tested: P3A17R20W2N902750DE010 E3DL1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902750DE010 E3DL1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

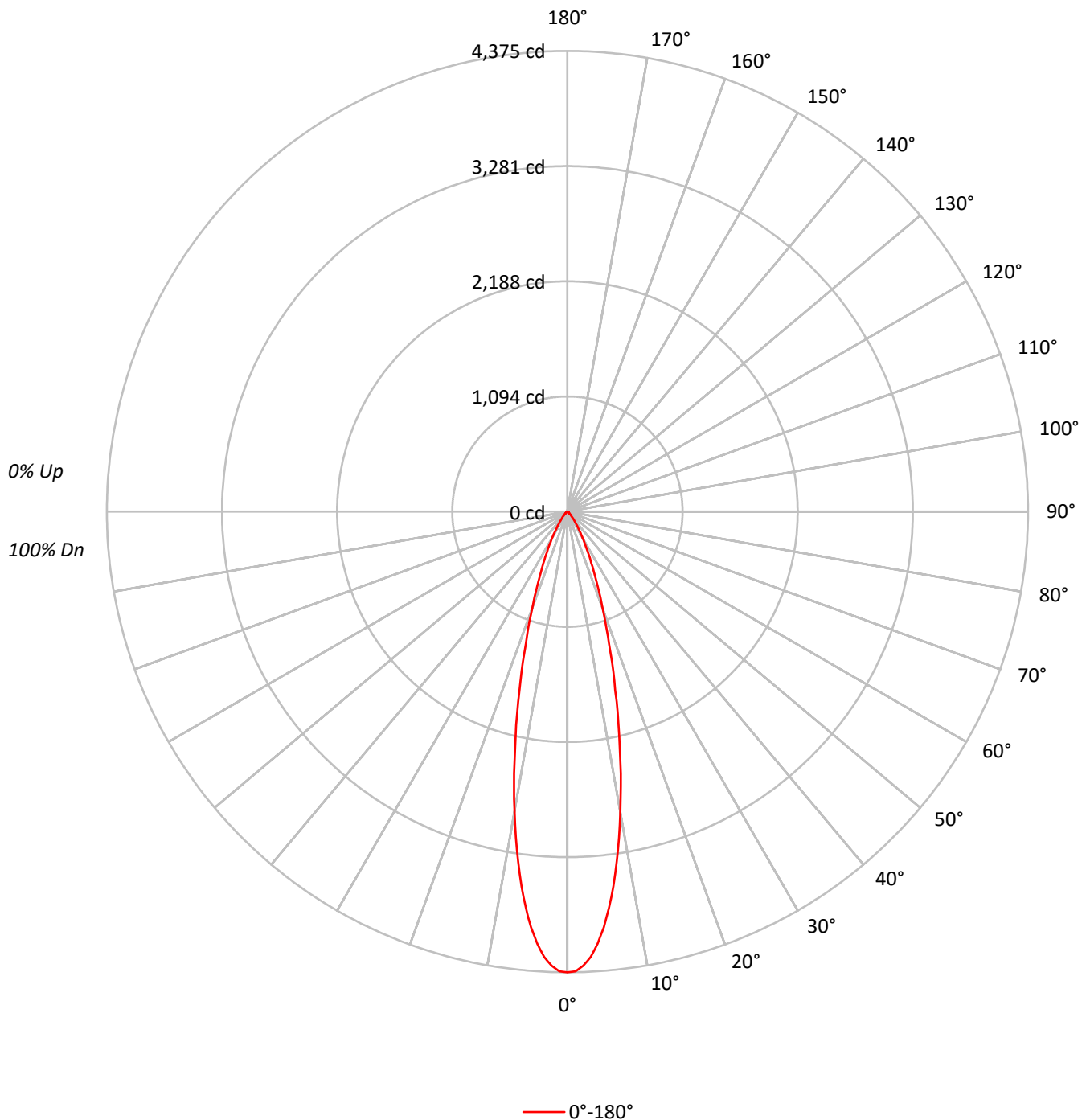
Lumens per Lamp: N/A
Luminaire Lumens: 1246.9 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100	99	98	97	95	91	87	83	79	76	73	71
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	91	87	83	79	76	73	71	68	67	66	65
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	87	83	79	76	73	71	68	67	66	65	64
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	83	79	76	73	71	68	67	66	65	64	63
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83	79	76	73	71	68	67	66	65	64	63	62
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	76	73	71	68	67	66	65	64	63	62	61
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76	73	71	68	67	66	65	64	63	62	61	60
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73	71	68	67	66	65	64	63	62	61	60	59
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71	68	67	66	65	64	63	62	61	60	59	58
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68	65	64	63	62	61	60	59	58	57	56	55
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66	63	62	61	60	59	58	57	56	55	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	959419
5°	872131
10°	644566
15°	398731
20°	227706
25°	129999
30°	72897
35°	39672
40°	21726
45°	11939
50°	6993
55°	5085
60°	4736
65°	4358
70°	3847
75°	4067
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 11939 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	27.5
10°-20°	489.8	39.3
20°-30°	255.7	20.5
30°-40°	98.9	7.9
40°-50°	32.1	2.6
50°-60°	12.6	1.0
60°-70°	8.3	0.7
70°-80°	4.9	0.4
80°-90°	1.6	0.1
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°	1088.5	87.3
0°-40°	1187.4	95.2
0°-60°	1232.1	98.8
0°-90°	1246.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4375	
5°	3962	343
15°	1756	490
25°	537	256
35°	148	99
45°	38	32
55°	13	13
65°	8	8
75°	5	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4375.3
1°	4366.9
2°	4315.1
3°	4235.6
4°	4112.7
5°	3962.1
6°	3783.8
7°	3586.3
8°	3357.4
9°	3134.5
10°	2894.8
12.5°	2300.9
15°	1756.4
17.5°	1314.3
20°	975.8
22.5°	722.8
25°	537.3
27.5°	396.3
30°	287.9
32.5°	208.4
35°	148.2
37.5°	107.2
40°	75.9
42.5°	54.2
45°	38.5
47.5°	27.7
50°	20.5
52.5°	15.7
55°	13.3
57.5°	12.0
60°	10.8
62.5°	9.6
65°	8.4
67.5°	7.2
70°	6.0
72.5°	6.0
75°	4.8
77.5°	3.6
80°	2.4
82.5°	2.4
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)