

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: P1299669

Luminaire Tested: P3A17R20W2N902765DE010 E3DL1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299669
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: P3A17R20W2N902765DE010 E3DL1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

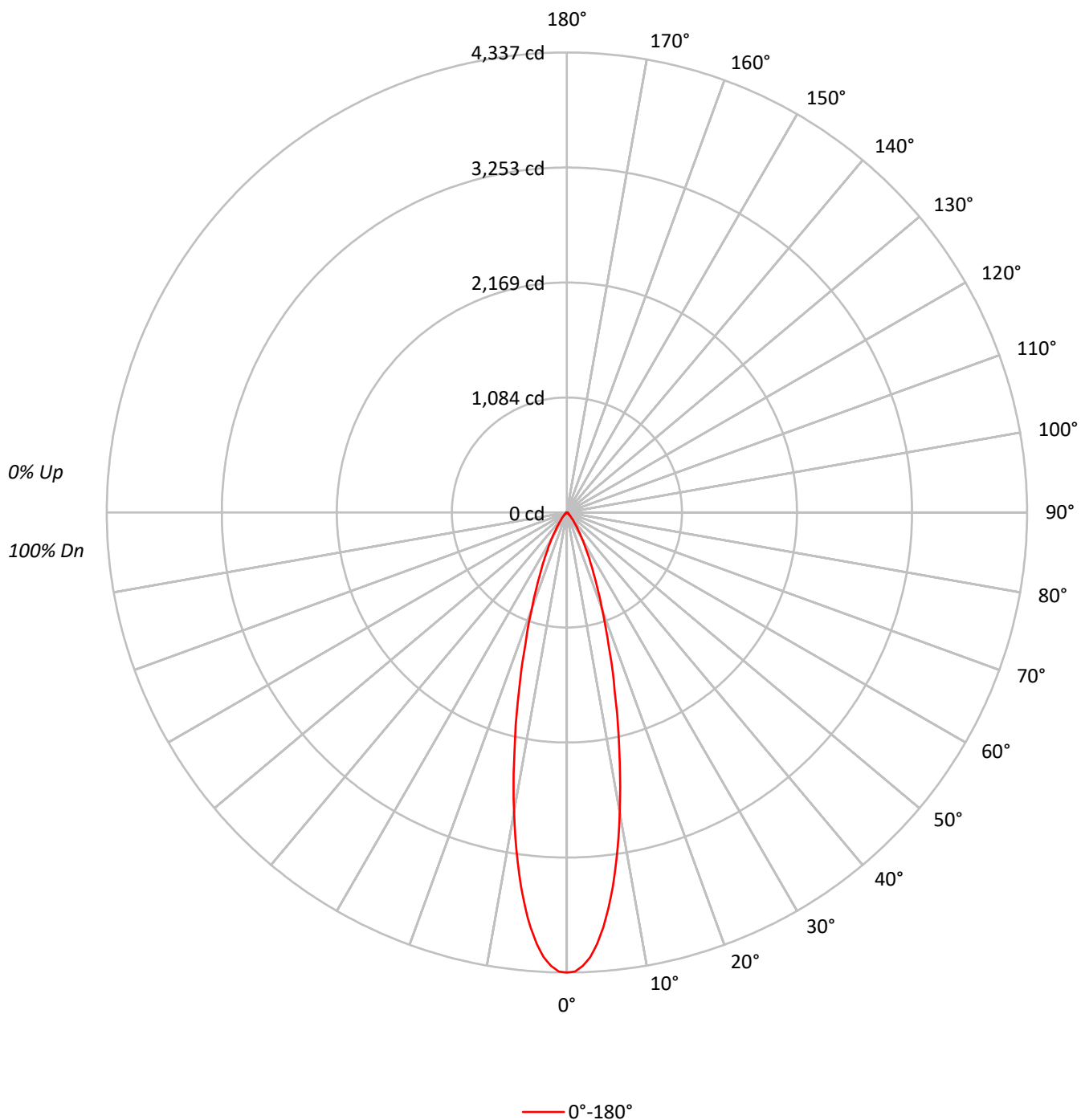
Lumens per Lamp: N/A
Luminaire Lumens: 1236.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	950955
5°	864449
10°	638888
15°	395212
20°	225700
25°	128838
30°	72264
35°	39324
40°	21526
45°	11846
50°	6925
55°	5008
60°	4693
65°	4358
70°	3847
75°	4067
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 11846 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	27.5
10°-20°	485.5	39.3
20°-30°	253.4	20.5
30°-40°	98.0	7.9
40°-50°	31.8	2.6
50°-60°	12.5	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°	1078.9	87.3
0°-40°	1176.9	95.2
0°-60°	1221.2	98.8
0°-90°	1236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1236.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4337	
5°	3927	340
15°	1741	485
25°	532	253
35°	147	98
45°	38	32
55°	13	12
65°	8	8
75°	5	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4336.7
1°	4328.4
2°	4277.0
3°	4198.2
4°	4076.4
5°	3927.2
6°	3750.5
7°	3554.6
8°	3327.8
9°	3106.9
10°	2869.3
12.5°	2280.6
15°	1740.9
17.5°	1302.7
20°	967.2
22.5°	716.4
25°	532.5
27.5°	392.8
30°	285.4
32.5°	206.6
35°	146.9
37.5°	106.3
40°	75.2
42.5°	53.7
45°	38.2
47.5°	27.5
50°	20.3
52.5°	15.5
55°	13.1
57.5°	11.9
60°	10.7
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)