

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: P1270271

Luminaire Tested: P3A17R509740DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R509740DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

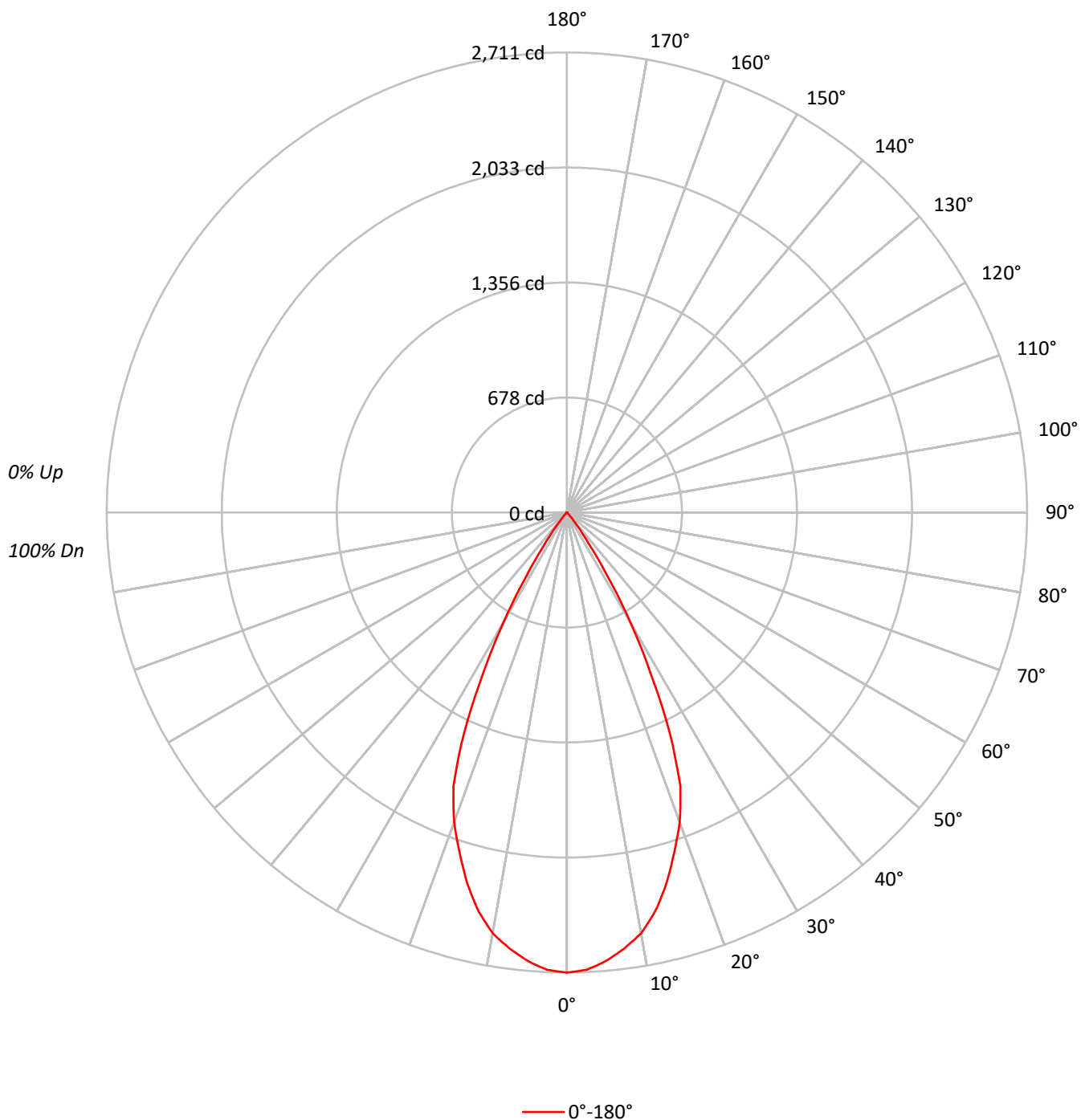
Lumens per Lamp: N/A
Luminaire Lumens: 1706.9 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	594492
5°	583864
10°	560600
15°	514078
20°	453313
25°	347439
30°	188915
35°	60793
40°	14284
45°	1923
50°	1706
55°	1912
60°	1623
65°	1920
70°	1603
75°	2118
80°	1515
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 3019 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	14.6
10°-20°	629.5	36.9
20°-30°	630.4	36.9
30°-40°	177.3	10.4
40°-50°	10.7	0.6
50°-60°	4.0	0.2
60°-70°	3.2	0.2
70°-80°	2.1	0.1
80°-90°	0.8	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°	1508.8	88.4
0°-40°	1686.0	98.8
0°-60°	1700.7	99.6
0°-90°	1706.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2711	
5°	2652	249
15°	2264	629
25°	1436	630
35°	227	177
45°	6	11
55°	5	4
65°	4	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2711.1
2.5°	2697.4
5°	2652.5
7.5°	2591.3
10°	2517.7
12.5°	2406.7
15°	2264.5
17.5°	2101.0
20°	1942.6
22.5°	1745.4
25°	1436.0
27.5°	1069.2
30°	746.1
32.5°	450.4
35°	227.1
37.5°	107.3
40°	49.9
42.5°	18.7
45°	6.2
47.5°	5.0
50°	5.0
52.5°	5.0
55°	5.0
57.5°	3.7
60°	3.7
62.5°	3.7
65°	3.7
67.5°	2.5
70°	2.5
72.5°	2.5
75°	2.5
77.5°	1.2
80°	1.2
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)