

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: P1263143

Luminaire Tested: P3A17R509727DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R509727DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

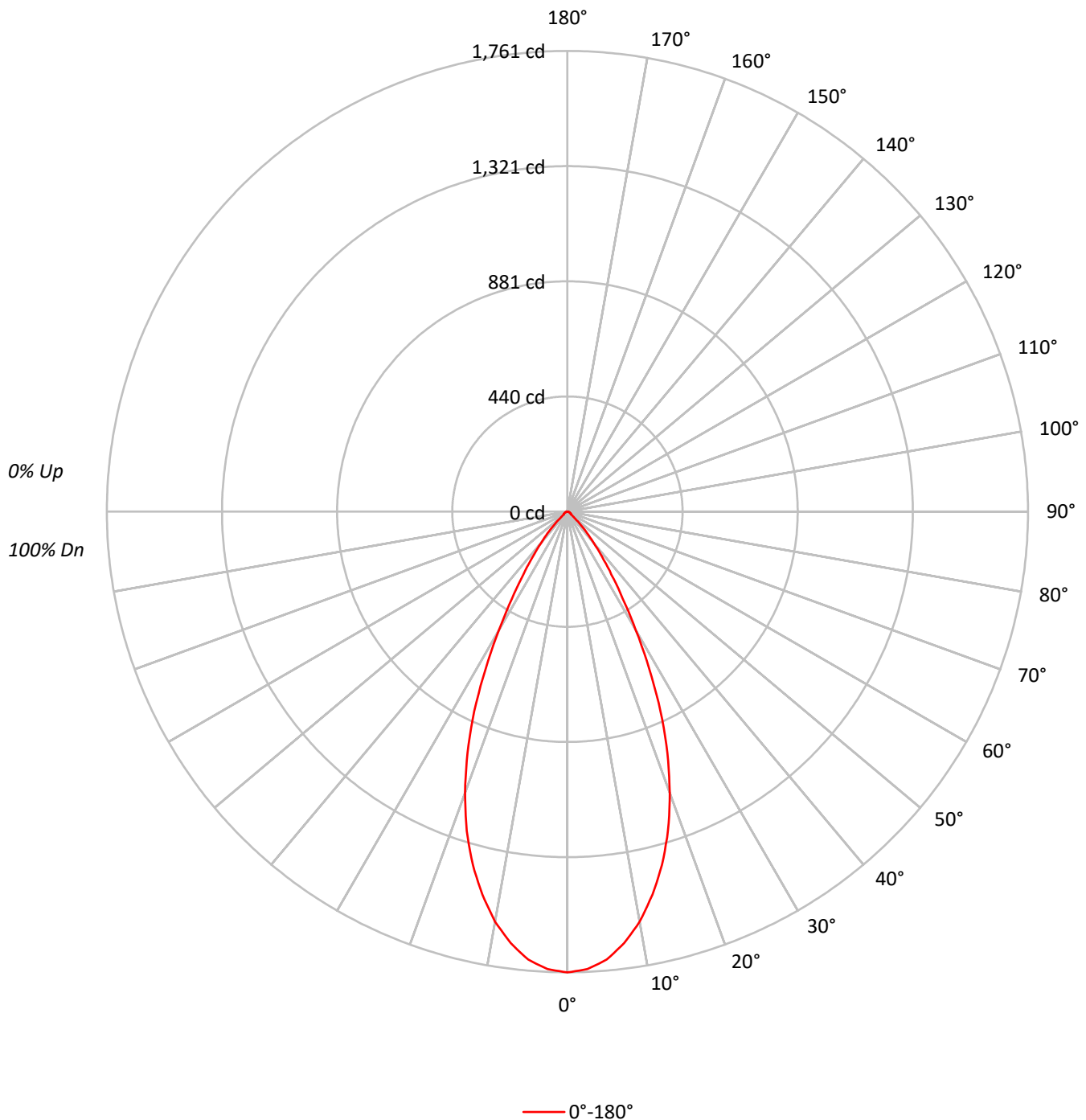
Lumens per Lamp: N/A
Luminaire Lumens: 1213.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	386197
5°	378405
10°	354458
15°	317300
20°	267027
25°	203794
30°	132451
35°	78541
40°	45371
45°	22731
50°	8460
55°	6614
60°	6140
65°	5604
70°	5514
75°	5507
80°	5430
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	13.2
10°-20°	386.5	31.9
20°-30°	379.2	31.3
30°-40°	191.1	15.8
40°-50°	60.4	5.0
50°-60°	15.6	1.3
60°-70°	11.1	0.9
70°-80°	6.8	0.6
80°-90°	2.4	0.2
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°	925.7	76.3
0°-40°	1116.8	92.1
0°-60°	1192.8	98.3
0°-90°	1213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1761	
5°	1719	160
15°	1398	387
25°	842	379
35°	293	191
45°	73	60
55°	17	16
65°	11	11
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1761.2
2.5°	1750.4
5°	1719.1
7.5°	1663.1
10°	1591.9
12.5°	1500.2
15°	1397.7
17.5°	1279.1
20°	1144.3
22.5°	998.7
25°	842.3
27.5°	676.2
30°	523.1
32.5°	393.7
35°	293.4
37.5°	216.8
40°	158.5
42.5°	112.2
45°	73.3
47.5°	42.1
50°	24.8
52.5°	18.3
55°	17.3
57.5°	15.1
60°	14.0
62.5°	12.9
65°	10.8
67.5°	9.7
70°	8.6
72.5°	7.5
75°	6.5
77.5°	5.4
80°	4.3
82.5°	3.2
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)