

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: P1262769

Luminaire Tested: P3A13R459727DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R459727DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

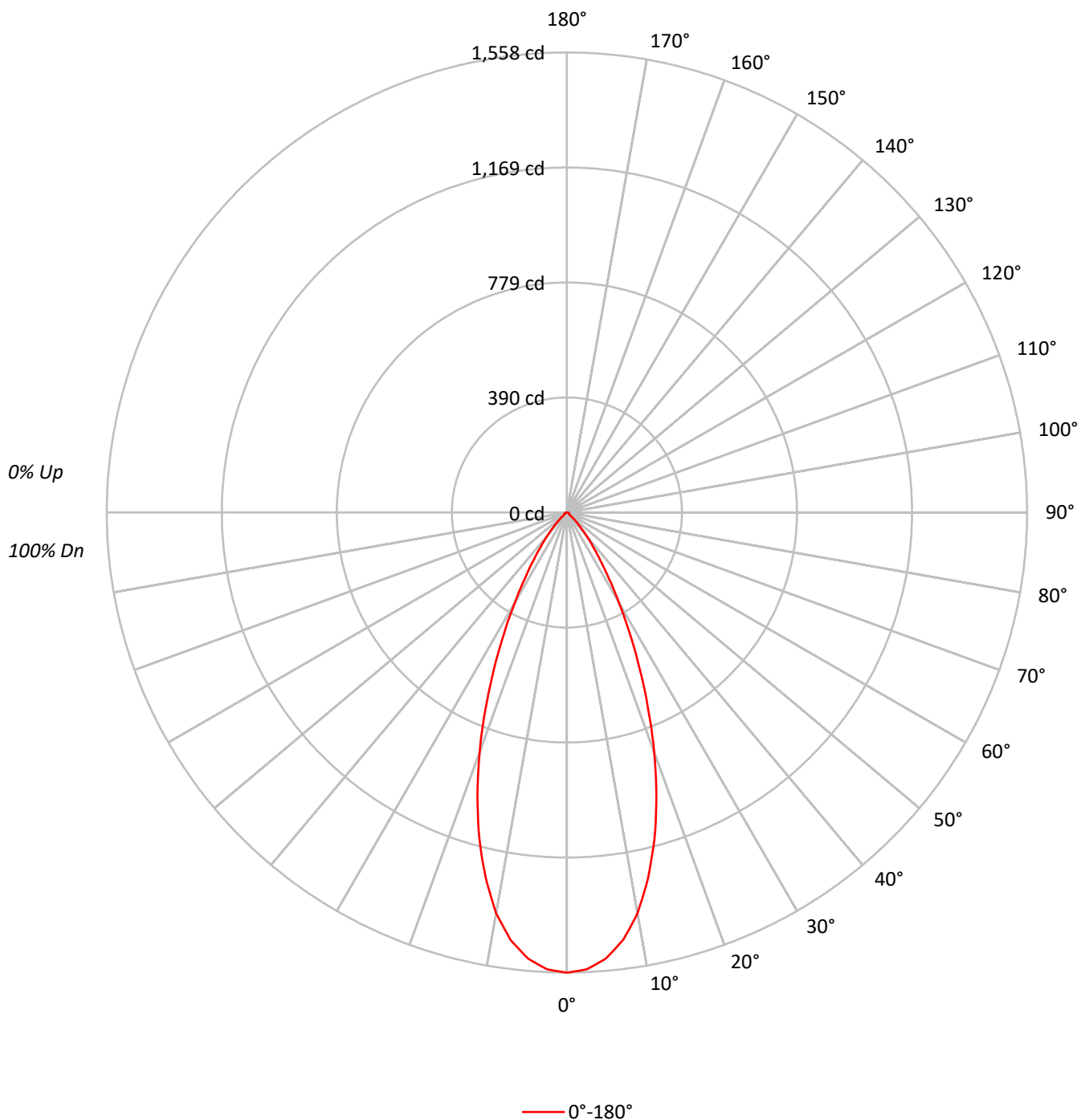
Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90		88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	86	84		83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79		78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75		74
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77	74	71		70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74	70	67		66
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70	67	64		62
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67	63	61		59
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	341727
5°	333721
10°	306786
15°	259933
20°	201688
25°	140984
30°	88824
35°	52280
40°	29598
45°	14389
50°	4981
55°	4052
60°	3947
65°	3788
70°	3654
75°	3474
80°	3031
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14389 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	15.4
10°-20°	314.4	34.6
20°-30°	267.0	29.3
30°-40°	127.4	14.0
40°-50°	38.4	4.2
50°-60°	9.7	1.1
60°-70°	7.2	0.8
70°-80°	4.3	0.5
80°-90°	1.2	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°	721.8	79.3
0°-40°	849.2	93.3
0°-60°	897.3	98.6
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1558	
5°	1516	140
15°	1145	314
25°	583	267
35°	195	127
45°	46	38
55°	11	10
65°	7	7
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1558.4
2.5°	1548.7
5°	1516.1
7.5°	1460.0
10°	1377.8
12.5°	1268.7
15°	1145.0
17.5°	1007.5
20°	864.3
22.5°	718.6
25°	582.7
27.5°	459.0
30°	350.8
32.5°	263.7
35°	195.3
37.5°	144.0
40°	103.4
42.5°	71.6
45°	46.4
47.5°	26.0
50°	14.6
52.5°	11.4
55°	10.6
57.5°	9.8
60°	9.0
62.5°	8.1
65°	7.3
67.5°	6.5
70°	5.7
72.5°	4.9
75°	4.1
77.5°	3.3
80°	2.4
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)