

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: P1262914

Luminaire Tested: P3A13R709727DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R709727DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

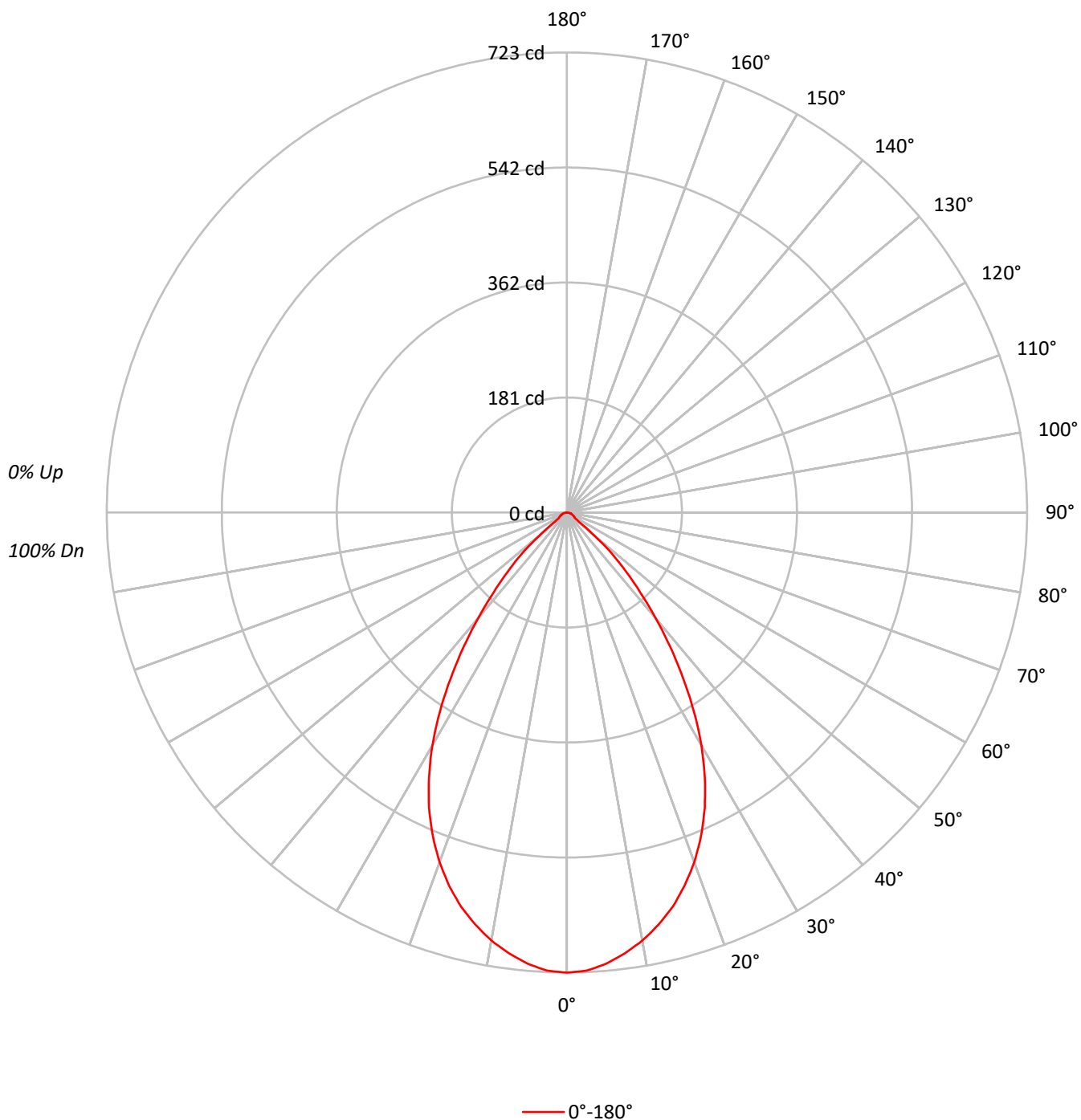
Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158562
5°	156658
10°	152124
15°	145676
20°	136465
25°	123975
30°	107080
35°	85340
40°	62174
45°	40872
50°	19138
55°	5926
60°	5701
65°	5500
70°	5193
75°	5507
80°	5177
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40872 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	8.2
10°-20°	179.6	21.9
20°-30°	233.4	28.5
30°-40°	198.1	24.2
40°-50°	102.1	12.5
50°-60°	19.7	2.4
60°-70°	10.7	1.3
70°-80°	6.5	0.8
80°-90°	1.9	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°	480.0	58.6
0°-40°	678.1	82.8
0°-60°	799.9	97.7
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	723	
5°	712	67
15°	642	180
25°	512	233
35°	319	198
45°	132	102
55°	16	20
65°	11	11
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	723.1
2.5°	720.6
5°	711.7
7.5°	698.7
10°	683.2
12.5°	663.7
15°	641.7
17.5°	614.9
20°	584.8
22.5°	550.6
25°	512.4
27.5°	469.3
30°	422.9
32.5°	371.7
35°	318.8
37.5°	266.8
40°	217.2
42.5°	170.8
45°	131.8
47.5°	96.8
50°	56.1
52.5°	24.4
55°	15.5
57.5°	14.6
60°	13.0
62.5°	12.2
65°	10.6
67.5°	9.8
70°	8.1
72.5°	7.3
75°	6.5
77.5°	4.9
80°	4.1
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)