

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: P1262594

Luminaire Tested: P3A13R159727DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R159727DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

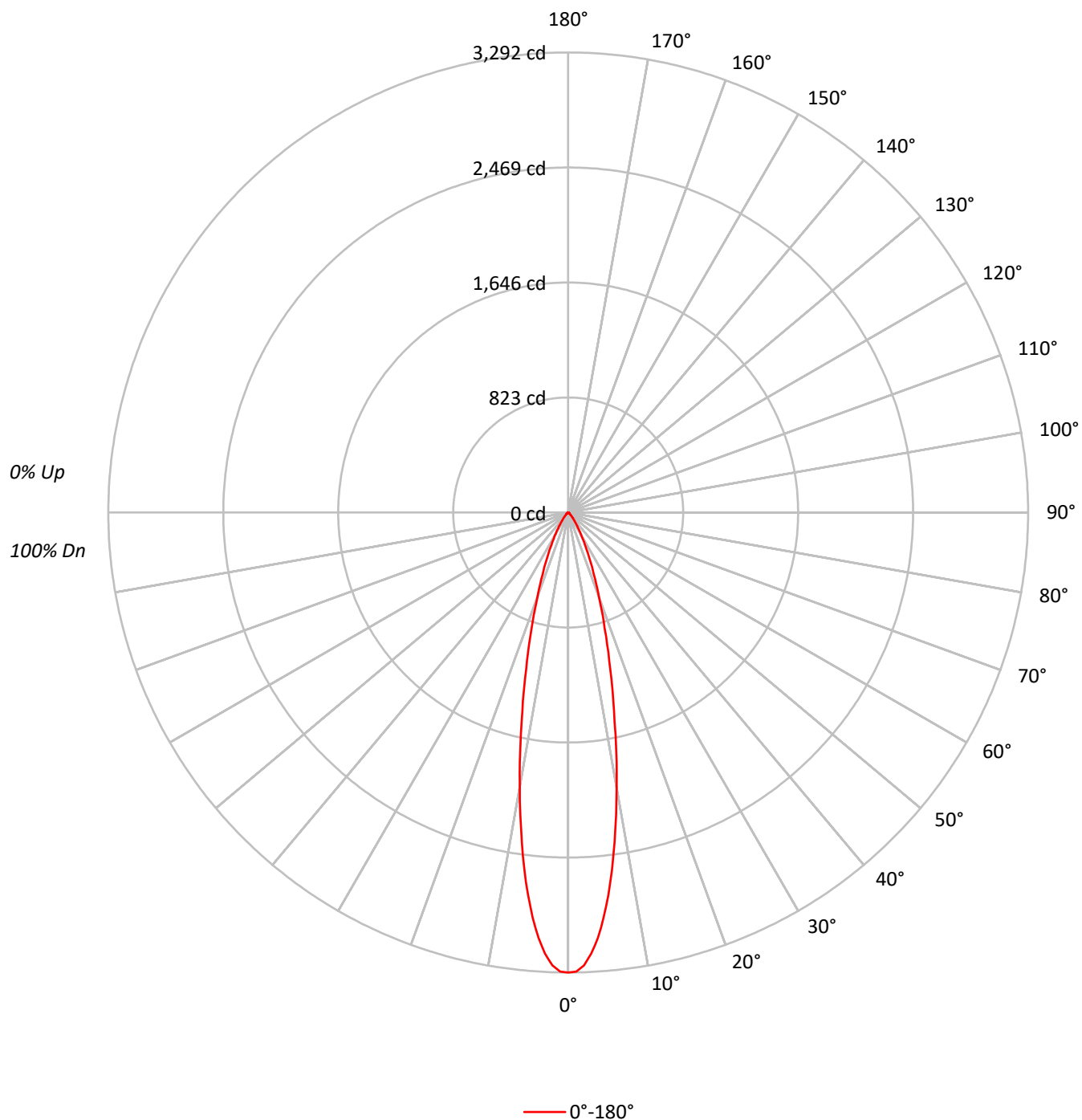
Lumens per Lamp: N/A
Luminaire Lumens: 845.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	721850
5°	640742
10°	444971
15°	263157
20°	149883
25°	85674
30°	47400
35°	25270
40°	13969
45°	7567
50°	4708
55°	3747
60°	3201
65°	2958
70°	2629
75°	2796
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.5	29.3
10°-20°	326.7	38.7
20°-30°	168.2	19.9
30°-40°	63.2	7.5
40°-50°	20.7	2.4
50°-60°	8.9	1.1
60°-70°	5.6	0.7
70°-80°	3.3	0.4
80°-90°	0.9	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°	742.4	87.9
0°-40°	805.6	95.3
0°-60°	835.1	98.8
0°-90°	845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3292	
5°	2911	248
15°	1159	327
25°	354	168
35°	94	63
45°	24	21
55°	10	9
65°	6	6
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3291.9
1°	3285.4
2°	3242.3
3°	3160.0
4°	3051.8
5°	2910.9
6°	2751.4
7°	2576.4
8°	2381.8
9°	2189.7
10°	1998.4
12.5°	1537.7
15°	1159.2
17.5°	867.7
20°	642.3
22.5°	479.5
25°	354.1
27.5°	258.0
30°	187.2
32.5°	132.7
35°	94.4
37.5°	67.6
40°	48.8
42.5°	35.0
45°	24.4
47.5°	17.9
50°	13.8
52.5°	11.4
55°	9.8
57.5°	8.1
60°	7.3
62.5°	6.5
65°	5.7
67.5°	4.9
70°	4.1
72.5°	4.1
75°	3.3
77.5°	2.4
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)