

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: P1262831

Luminaire Tested: P3A13R559727DE010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R559727DE010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

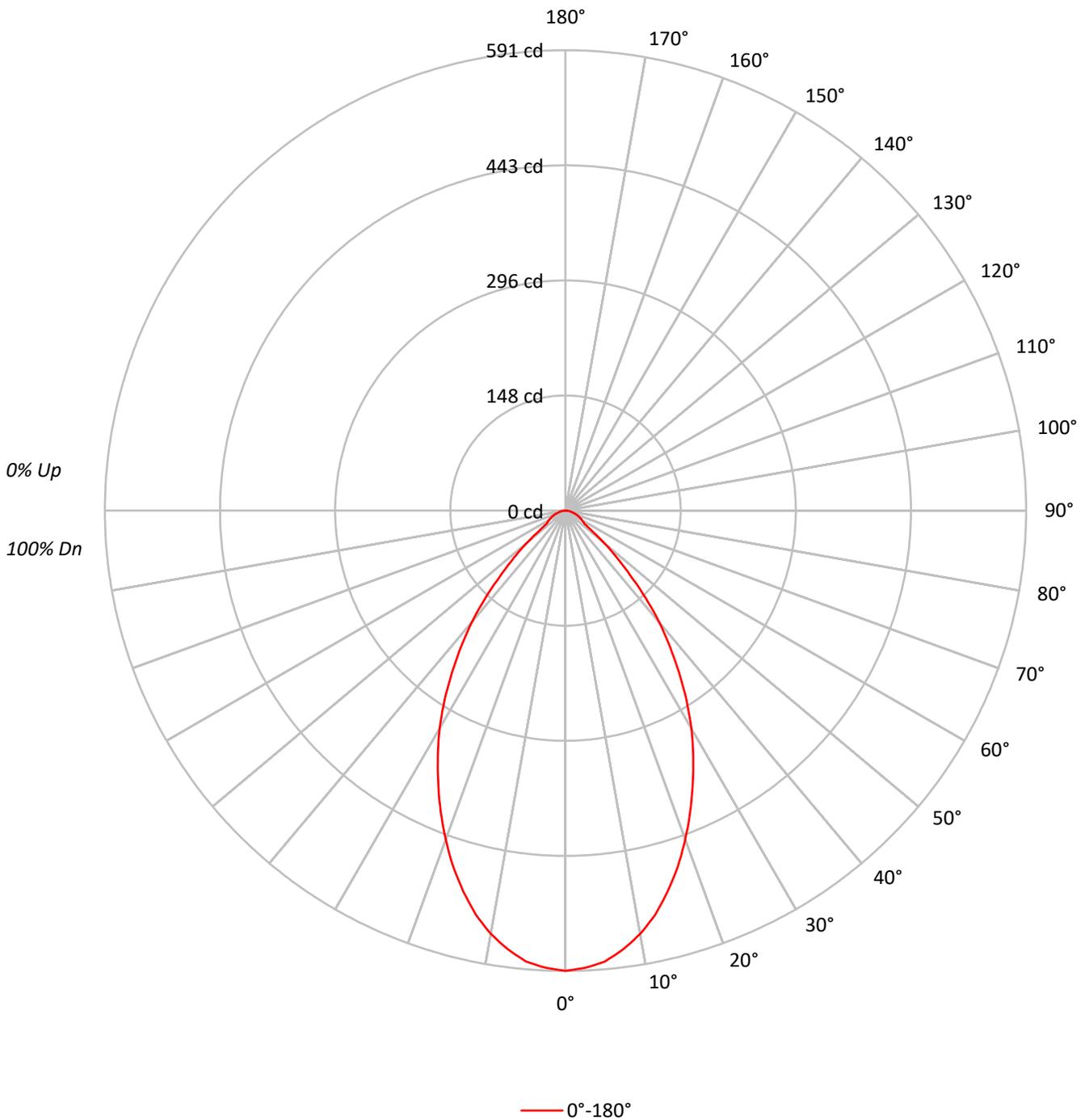
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 689.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
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	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	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91			
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82			
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62			
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	53	50	48			
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45			
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129551
5°	127889
10°	122843
15°	114916
20°	104822
25°	93513
30°	81810
35°	67967
40°	53586
45°	36345
50°	22208
55°	11507
60°	10701
65°	10118
70°	9361
75°	8303
80°	8208
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	7.9
10°-20°	141.5	20.5
20°-30°	177.2	25.7
30°-40°	158.1	23.0
40°-50°	92.6	13.4
50°-60°	32.0	4.6
60°-70°	19.3	2.8
70°-80°	10.7	1.6
80°-90°	3.1	0.4
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°	373.1	54.2
0°-40°	531.3	77.1
0°-60°	655.9	95.2
0°-90°	689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	581	54
15°	506	141
25°	386	177
35°	254	158
45°	117	93
55°	30	32
65°	20	19
75°	10	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	590.8
2.5°	587.5
5°	581.0
7.5°	568.0
10°	551.7
12.5°	531.4
15°	506.2
17.5°	479.3
20°	449.2
22.5°	418.3
25°	386.5
27.5°	354.8
30°	323.1
32.5°	288.9
35°	253.9
37.5°	219.7
40°	187.2
42.5°	152.2
45°	117.2
47.5°	89.5
50°	65.1
52.5°	42.3
55°	30.1
57.5°	26.9
60°	24.4
62.5°	22.0
65°	19.5
67.5°	17.1
70°	14.6
72.5°	12.2
75°	9.8
77.5°	8.1
80°	6.5
82.5°	4.1
85°	2.4
87.5°	1.6
90°	0.0

(END OF REPORT)