

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: P1270397

Luminaire Tested: P3A17R709740DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R709740DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

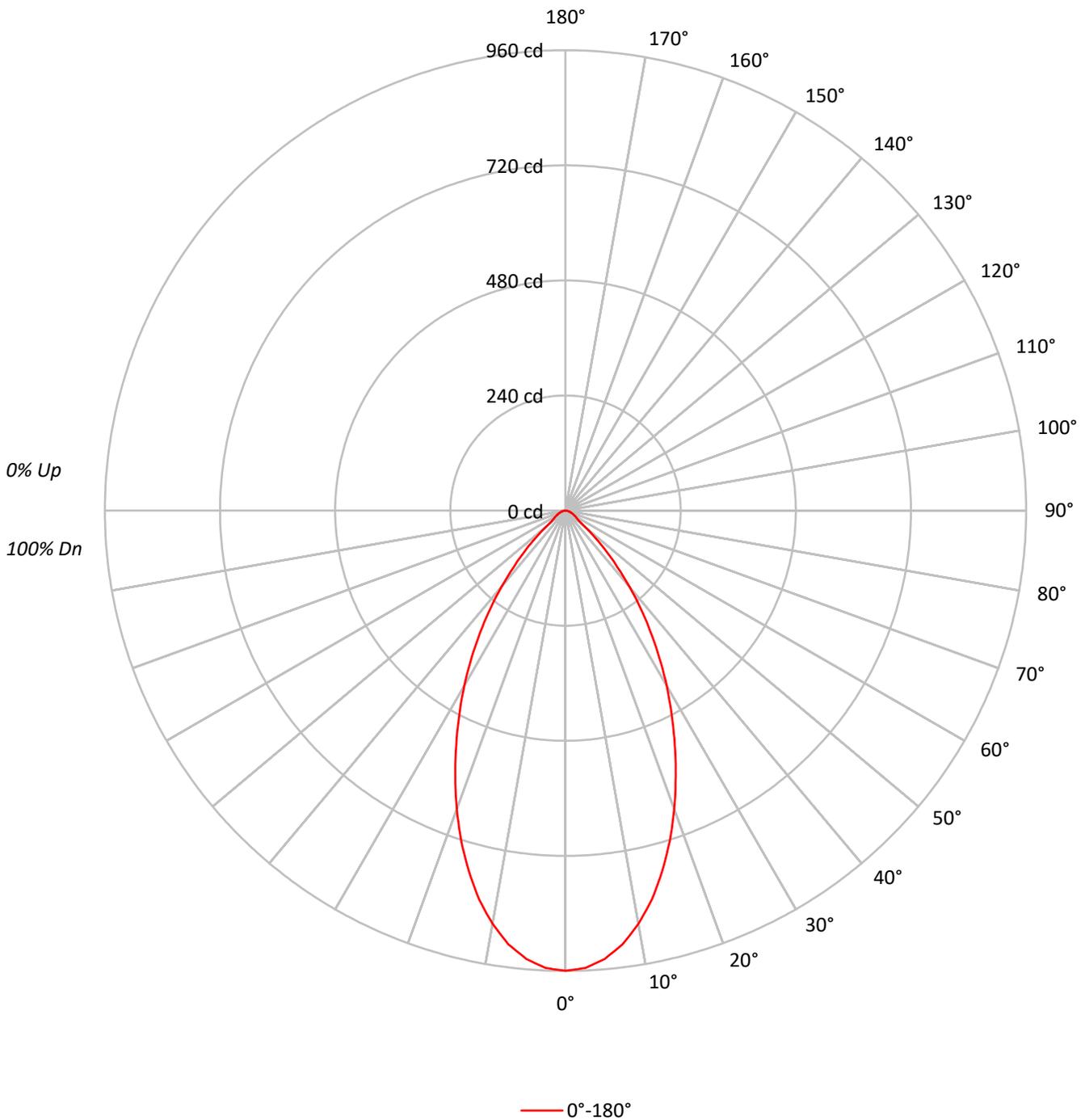
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 897.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
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			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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61			
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			
10	69	58	52	48	67	58	52	48	57	51	48	56	51	48	55	51	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	210400
5°	206537
10°	194764
15°	176755
20°	154597
25°	130411
30°	106776
35°	82824
40°	59282
45°	37523
50°	18729
55°	11431
60°	9868
65°	9080
70°	8014
75°	7371
80°	6314
85°	6290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37523 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	9.8
10°-20°	216.6	24.2
20°-30°	246.7	27.5
30°-40°	192.9	21.5
40°-50°	94.8	10.6
50°-60°	29.1	3.2
60°-70°	17.3	1.9
70°-80°	9.2	1.0
80°-90°	2.7	0.3
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°	550.9	61.4
0°-40°	743.8	82.9
0°-60°	867.8	96.7
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	960	
5°	938	88
15°	779	217
25°	539	247
35°	309	193
45°	121	95
55°	30	29
65°	18	17
75°	9	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	959.5
2.5°	954.5
5°	938.3
7.5°	912.1
10°	874.7
12.5°	831.0
15°	778.6
17.5°	722.4
20°	662.5
22.5°	600.2
25°	539.0
27.5°	479.1
30°	421.7
32.5°	364.3
35°	309.4
37.5°	257.0
40°	207.1
42.5°	161.0
45°	121.0
47.5°	84.8
50°	54.9
52.5°	36.2
55°	29.9
57.5°	26.2
60°	22.5
62.5°	20.0
65°	17.5
67.5°	15.0
70°	12.5
72.5°	10.0
75°	8.7
77.5°	7.5
80°	5.0
82.5°	3.7
85°	2.5
87.5°	1.2
90°	0.0

(END OF REPORT)