

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: P1247340

Luminaire Tested: P3A17R409024DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R409024DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

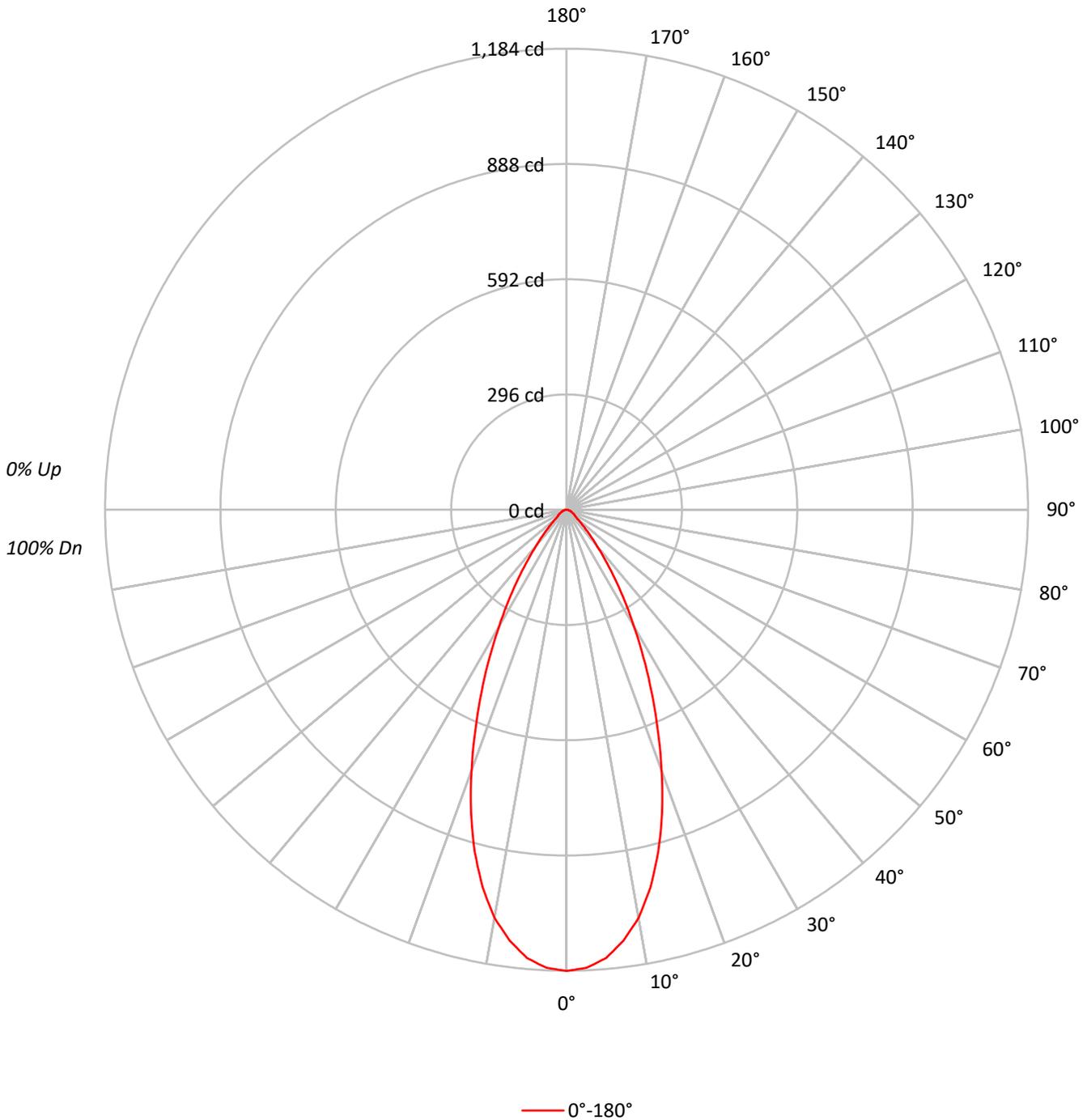
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 834.0 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
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				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				100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80				80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74				74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69				69
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65				65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	62	61				61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58				58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54				54
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51				51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	259694
5°	254435
10°	236892
15°	206471
20°	166404
25°	124725
30°	87684
35°	57447
40°	34779
45°	20777
50°	12383
55°	9978
60°	8947
65°	7679
70°	7309
75°	5761
80°	5683
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20777 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	12.9
10°-20°	250.5	30.0
20°-30°	236.1	28.3
30°-40°	136.5	16.4
40°-50°	54.4	6.5
50°-60°	24.0	2.9
60°-70°	14.9	1.8
70°-80°	7.8	0.9
80°-90°	2.5	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°	593.9	71.2
0°-40°	730.4	87.6
0°-60°	808.8	97.0
0°-90°	834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1184	
5°	1156	107
15°	910	251
25°	516	236
35°	215	137
45°	67	54
55°	26	24
65°	15	15
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1184.3
2.5°	1177.5
5°	1155.9
7.5°	1116.1
10°	1063.9
12.5°	993.5
15°	909.5
17.5°	815.3
20°	713.1
22.5°	610.9
25°	515.5
27.5°	426.9
30°	346.3
32.5°	275.9
35°	214.6
37.5°	162.4
40°	121.5
42.5°	90.8
45°	67.0
47.5°	48.8
50°	36.3
52.5°	29.5
55°	26.1
57.5°	23.8
60°	20.4
62.5°	17.0
65°	14.8
67.5°	12.5
70°	11.4
72.5°	9.1
75°	6.8
77.5°	5.7
80°	4.5
82.5°	3.4
85°	2.3
87.5°	1.1
90°	0.0

(END OF REPORT)