

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: P1263020

Luminaire Tested: P3A17R309727DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309727DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

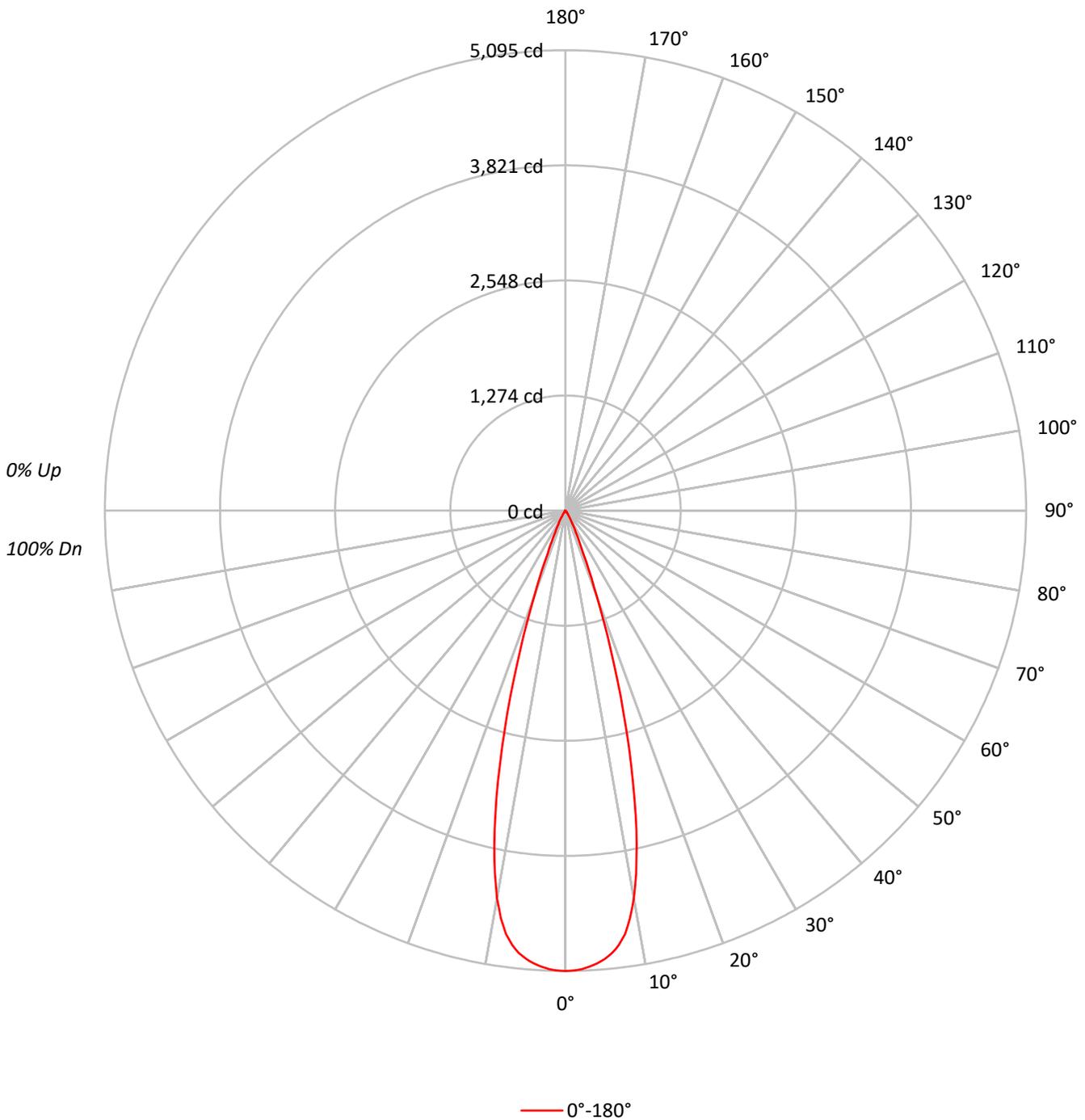
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1372.1 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	89	86	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	89	86	84
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	82	79	77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	80	77	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1117279
5°	1096167
10°	970367
15°	614805
20°	233377
25°	69101
30°	27295
35°	8379
40°	3693
45°	1333
50°	1092
55°	841
60°	965
65°	1141
70°	705
75°	932
80°	1389
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 1389 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	33.4
10°-20°	713.4	52.0
20°-30°	165.7	12.1
30°-40°	25.7	1.9
40°-50°	4.4	0.3
50°-60°	2.1	0.2
60°-70°	1.8	0.1
70°-80°	1.2	0.1
80°-90°	0.1	0.0
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°	1336.9	97.4
0°-40°	1362.6	99.3
0°-60°	1369.0	99.8
0°-90°	1372.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5095	
5°	4980	458
15°	2708	713
25°	286	166
35°	31	26
45°	4	4
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5095.2
1°	5091.9
2°	5077.9
3°	5054.2
4°	5024.0
5°	4979.9
6°	4924.9
7°	4843.0
8°	4730.9
9°	4566.0
10°	4358.0
11°	4089.7
12°	3786.9
13°	3450.7
14°	3081.0
15°	2708.2
17.5°	1771.7
20°	1000.1
22.5°	510.8
25°	285.6
27.5°	175.7
30°	107.8
32.5°	58.2
35°	31.3
37.5°	20.5
40°	12.9
42.5°	7.5
45°	4.3
47.5°	3.2
50°	3.2
52.5°	2.2
55°	2.2
57.5°	2.2
60°	2.2
62.5°	2.2
65°	2.2
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)