

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: P1262960

Luminaire Tested: P3A17R209727DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R209727DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

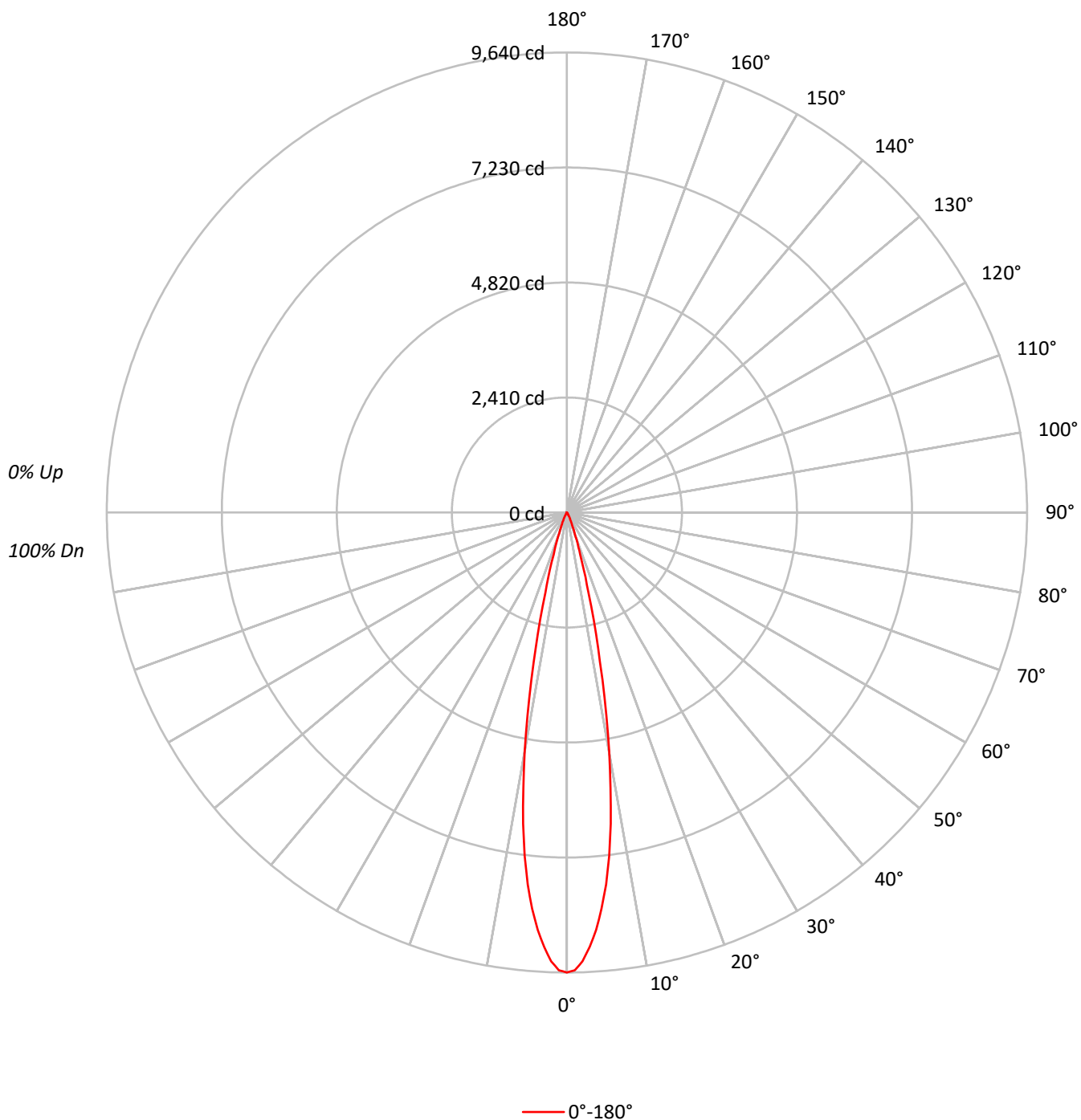
Lumens per Lamp: N/A
Luminaire Lumens: 1361.1 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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		
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98		
2	112	109	106	104	110	108	105	103	104	103	101	102	100	99	99	98	97	95		
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	93		
4	107	102	99	96	105	101	98	96	99	97	94	97	95	93	96	94	92	91		
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90		
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88		
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86		
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85		
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83		
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2113778
5°	1834686
10°	1133646
15°	393737
20°	120924
25°	42752
30°	15825
35°	6344
40°	3406
45°	1333
50°	751
55°	841
60°	965
65°	571
70°	705
75°	932
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.7	50.8
10°-20°	548.9	40.3
20°-30°	95.0	7.0
30°-40°	17.3	1.3
40°-50°	4.0	0.3
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	1.0	0.1
80°-90°	0.0	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°	1335.6	98.1
0°-40°	1352.9	99.4
0°-60°	1358.9	99.8
0°-90°	1361.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9640	
5°	8335	692
15°	1734	549
25°	177	95
35°	24	17
45°	4	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9639.6
1°	9593.3
2°	9410.2
3°	9116.1
4°	8771.3
5°	8335.0
6°	7835.2
7°	7253.4
8°	6590.9
9°	5846.5
10°	5091.3
12.5°	3211.4
15°	1734.4
17.5°	926.5
20°	518.2
22.5°	296.3
25°	176.7
27.5°	107.7
30°	62.5
32.5°	36.6
35°	23.7
37.5°	16.2
40°	11.9
42.5°	7.5
45°	4.3
47.5°	2.2
50°	2.2
52.5°	2.2
55°	2.2
57.5°	2.2
60°	2.2
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)