

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: P1249189

Luminaire Tested: P3AS13R209027DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249189
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: P3AS13R209027DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

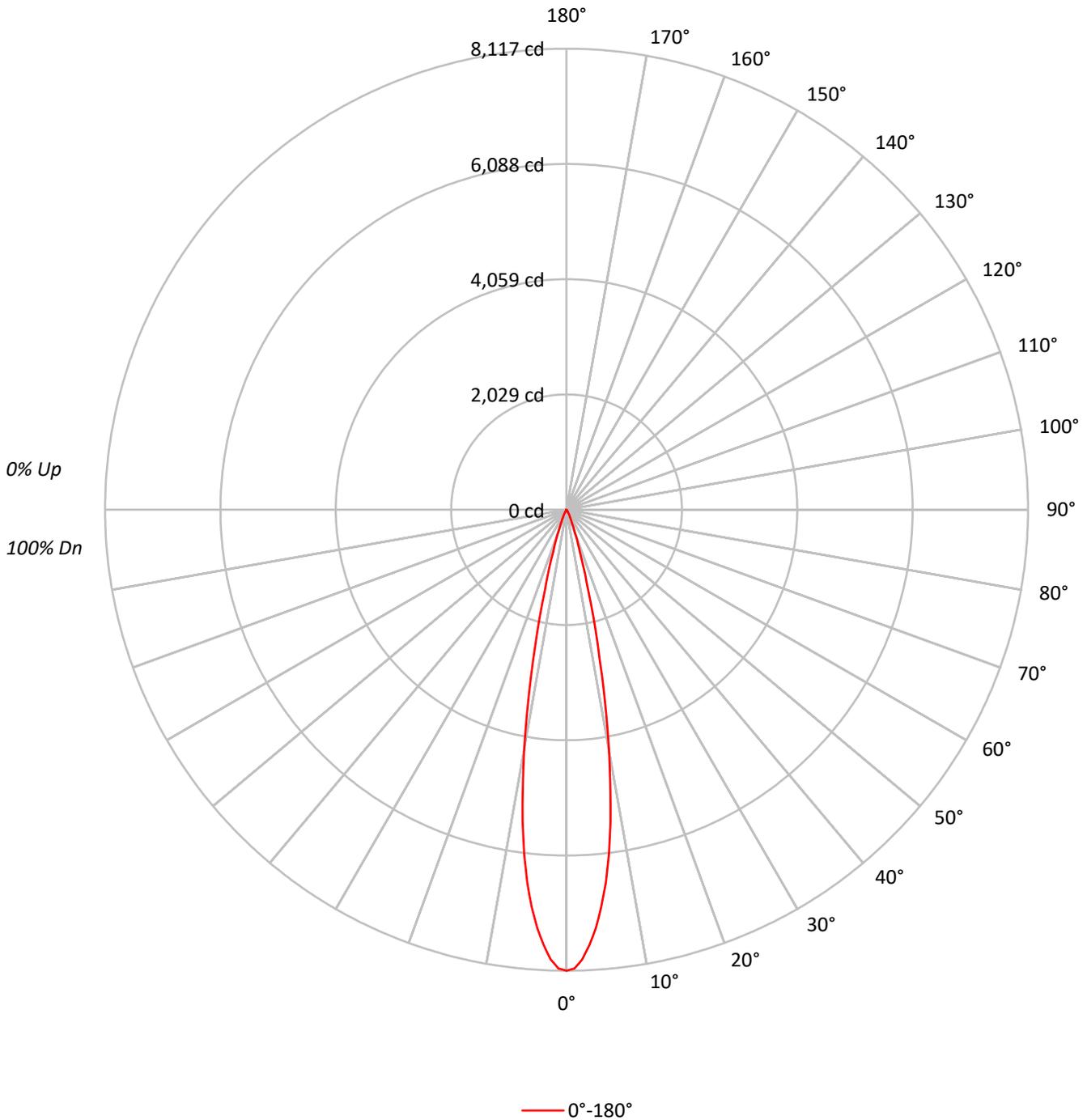
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1146.0 lumens
Efficiency: N/A
Efficacy: 78.5 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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		100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98		98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	95		95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	93		93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	91		91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90		90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88		88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86		86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85		85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83		83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	82		82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1779879
5°	1544856
10°	954558
15°	331557
20°	101812
25°	36002
30°	13319
35°	5354
40°	2863
45°	1116
50°	614
55°	688
60°	789
65°	467
70°	577
75°	763
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1116 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.5	50.8
10°-20°	462.2	40.3
20°-30°	80.0	7.0
30°-40°	14.5	1.3
40°-50°	3.3	0.3
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.8	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°	1124.6	98.1
0°-40°	1139.2	99.4
0°-60°	1144.1	99.8
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8117	
5°	7018	582
15°	1460	462
25°	149	80
35°	20	15
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8116.9
1°	8077.8
2°	7923.6
3°	7676.0
4°	7385.7
5°	7018.3
6°	6597.4
7°	6107.6
8°	5549.7
9°	4922.9
10°	4287.0
12.5°	2704.1
15°	1460.5
17.5°	780.1
20°	436.3
22.5°	249.5
25°	148.8
27.5°	90.7
30°	52.6
32.5°	30.8
35°	20.0
37.5°	13.6
40°	10.0
42.5°	6.3
45°	3.6
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)