

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: P1266171

Luminaire Tested: P3A02R209735DE010 E3CB1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266171
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: P3A02R209735DE010 E3CB1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3CB1MMS TRIM
Light Source: -
Ballast/Driver: -

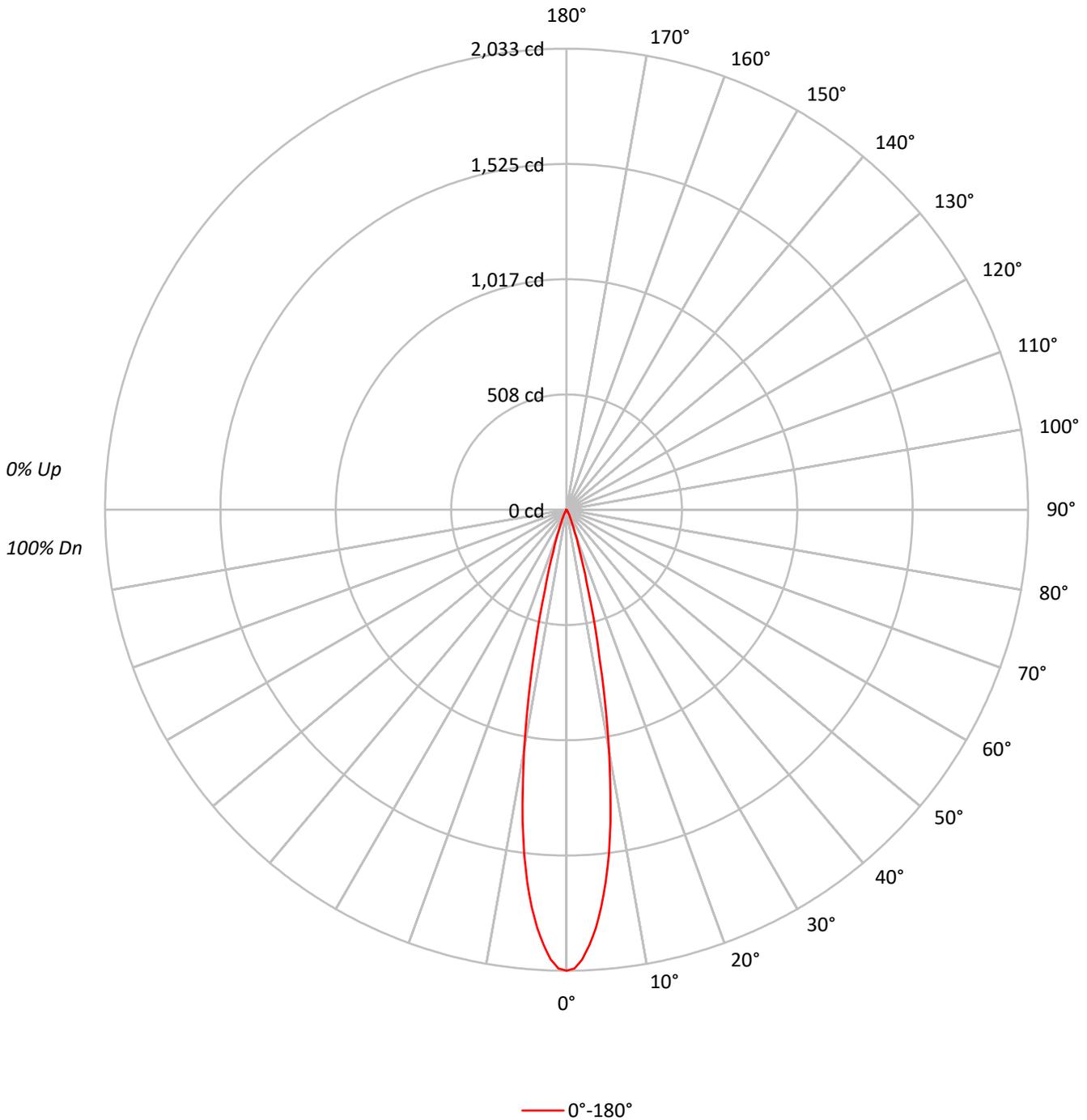
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 79.7 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): 3.6
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	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	97	96	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	91	96	94	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90	94	92	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88	93	90	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86	91	89	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	89	87	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83	88	86	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82	86	84	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	445754
5°	386880
10°	239051
15°	83042
20°	25506
25°	9025
30°	3342
35°	1338
40°	716
45°	279
50°	171
55°	191
60°	219
65°	104
70°	128
75°	169
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 279 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	50.8
10°-20°	115.7	40.3
20°-30°	20.0	7.0
30°-40°	3.6	1.3
40°-50°	0.8	0.3
50°-60°	0.4	0.2
60°-70°	0.2	0.1
70°-80°	0.2	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°	281.7	98.1
0°-40°	285.3	99.4
0°-60°	286.6	99.9
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2033	
5°	1758	146
15°	366	116
25°	37	20
35°	5	4
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2032.8
1°	2023.0
2°	1984.4
3°	1922.3
4°	1849.7
5°	1757.6
6°	1652.2
7°	1529.6
8°	1389.9
9°	1232.9
10°	1073.6
12.5°	677.2
15°	365.8
17.5°	195.4
20°	109.3
22.5°	62.5
25°	37.3
27.5°	22.7
30°	13.2
32.5°	7.7
35°	5.0
37.5°	3.4
40°	2.5
42.5°	1.6
45°	0.9
47.5°	0.5
50°	0.5
52.5°	0.5
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)