

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: P1269921

Luminaire Tested: P3A13R509740DE010 E3CB1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R509740DE010 E3CB1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3CB1MB TRIM
Light Source: -
Ballast/Driver: -

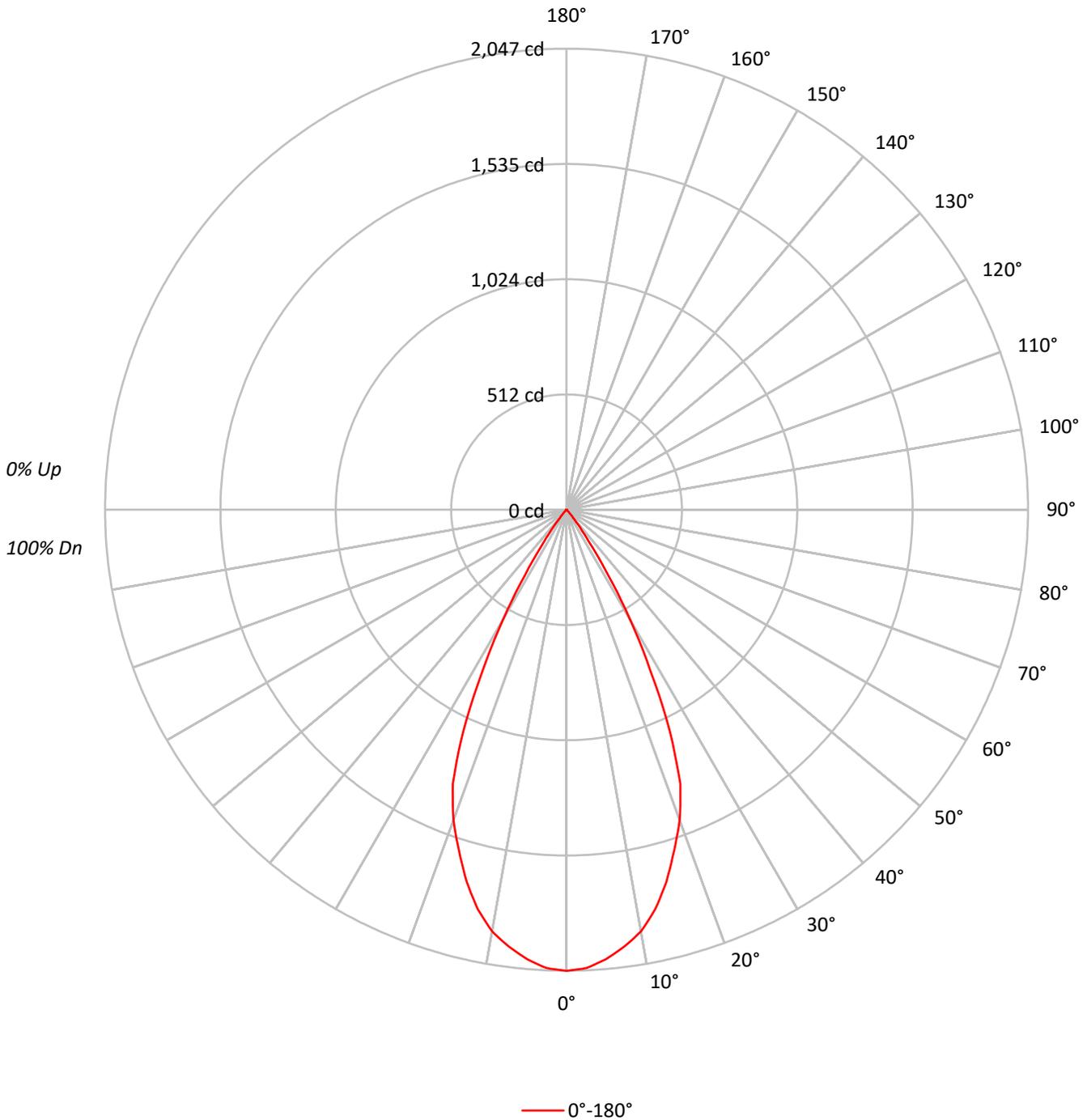
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1289.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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				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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90				90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80				80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76				76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72				72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65				65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59				59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448911
5°	440897
10°	423328
15°	388197
20°	342306
25°	262370
30°	142655
35°	45909
40°	10792
45°	1458
50°	1296
55°	1453
60°	1228
65°	1453
70°	1218
75°	1610
80°	1137
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 2264 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	14.6
10°-20°	475.3	36.9
20°-30°	476.0	36.9
30°-40°	133.9	10.4
40°-50°	8.1	0.6
50°-60°	3.1	0.2
60°-70°	2.4	0.2
70°-80°	1.6	0.1
80°-90°	0.6	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°	1139.3	88.4
0°-40°	1273.2	98.8
0°-60°	1284.3	99.6
0°-90°	1289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1289.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2047	
5°	2003	188
15°	1710	475
25°	1084	476
35°	172	134
45°	5	8
55°	4	3
65°	3	2
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2047.2
2.5°	2036.9
5°	2003.0
7.5°	1956.8
10°	1901.2
12.5°	1817.4
15°	1710.0
17.5°	1586.5
20°	1466.9
22.5°	1318.0
25°	1084.4
27.5°	807.4
30°	563.4
32.5°	340.1
35°	171.5
37.5°	81.0
40°	37.7
42.5°	14.1
45°	4.7
47.5°	3.8
50°	3.8
52.5°	3.8
55°	3.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	2.8
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)