

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: P1269631

Luminaire Tested: P3A09R709740DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R709740DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

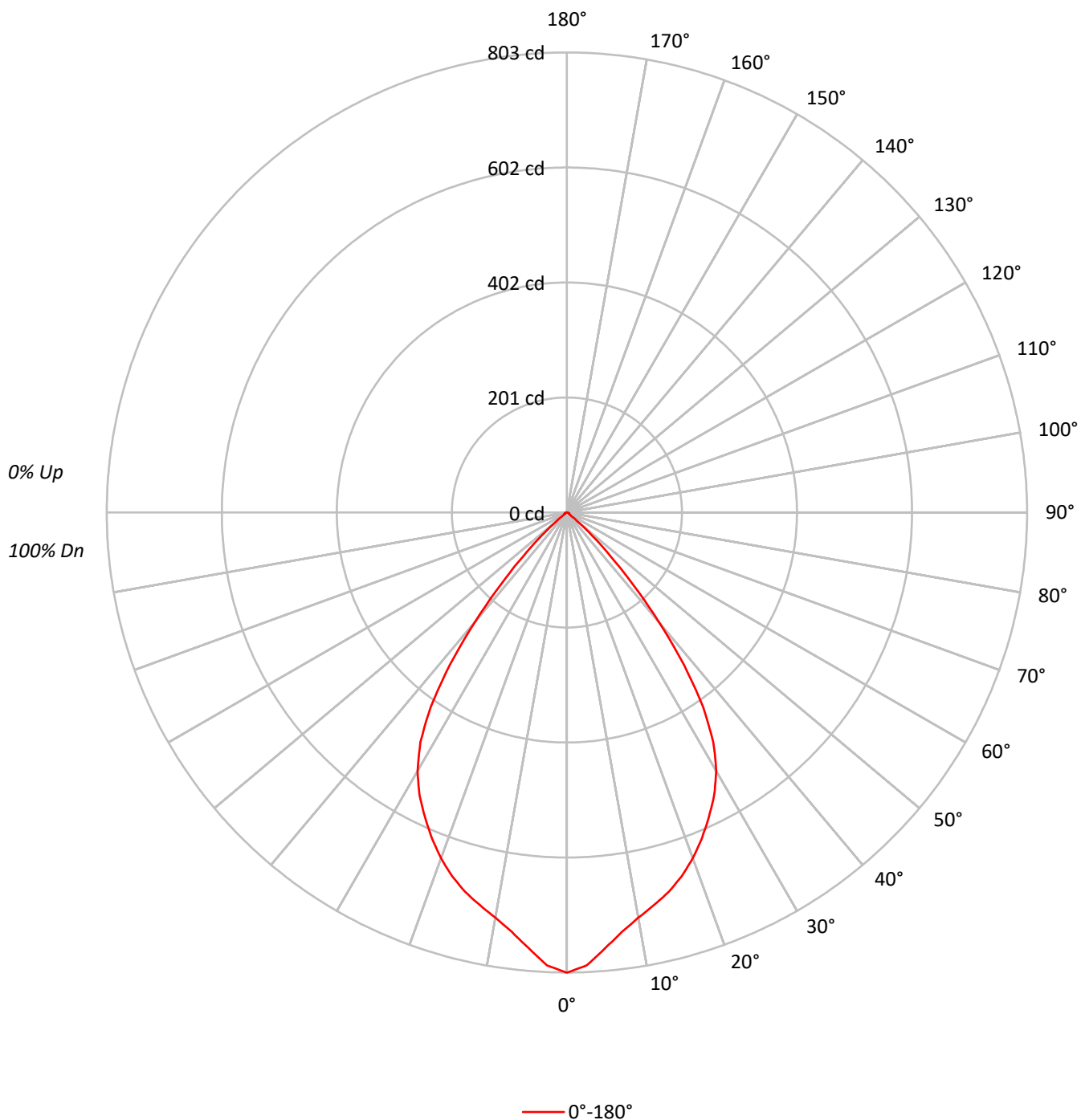
Lumens per Lamp: N/A
Luminaire Lumens: 887.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176126
5°	168060
10°	159917
15°	155642
20°	149883
25°	141855
30°	131944
35°	110825
40°	71420
45°	33213
50°	8699
55°	2179
60°	2193
65°	1816
70°	1795
75°	1779
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33213 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	8.1
10°-20°	192.6	21.7
20°-30°	269.1	30.3
30°-40°	249.5	28.1
40°-50°	89.5	10.1
50°-60°	7.6	0.9
60°-70°	3.8	0.4
70°-80°	2.4	0.3
80°-90°	1.0	0.1
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°	533.3	60.1
0°-40°	782.8	88.3
0°-60°	879.8	99.2
0°-90°	887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	803	
5°	764	71
15°	686	193
25°	586	269
35°	414	250
45°	107	89
55°	6	8
65°	4	4
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	803.2
2.5°	791.2
5°	763.5
7.5°	738.0
10°	718.2
12.5°	701.9
15°	685.6
17.5°	665.7
20°	642.3
22.5°	615.4
25°	586.3
27.5°	556.5
30°	521.1
32.5°	475.7
35°	414.0
37.5°	335.3
40°	249.5
42.5°	170.1
45°	107.1
47.5°	59.6
50°	25.5
52.5°	8.5
55°	5.7
57.5°	5.0
60°	5.0
62.5°	4.3
65°	3.5
67.5°	3.5
70°	2.8
72.5°	2.8
75°	2.1
77.5°	2.1
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)