

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: P1266903

Luminaire Tested: P3A09R109735DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R109735DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R10 optic, 3500K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 705.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.18 / 0.18 / 0.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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	116	114	113	111	114	112	111	110		108	107	106			105	104	103			101
2	113	110	108	106	111	109	107	105		106	104	103			103	102	101			100
3	111	107	104	102	109	106	103	101		104	102	100			101	100	98			99
4	109	105	102	99	107	104	101	99		102	99	98			100	98	97			98
5	107	102	99	97	105	101	99	97		100	98	96			99	97	95			97
6	105	100	97	95	104	100	97	95		98	96	94			97	95	94			96
7	103	99	96	93	102	98	95	93		97	95	93			96	94	92			95
8	102	97	94	92	101	97	94	92		96	93	92			95	93	91			94
9	100	96	93	91	100	95	93	91		95	92	90			94	92	90			93
10	99	94	92	90	98	94	91	90		94	91	89			93	91	89			92

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3192091
5°	1649060
10°	324087
15°	102044
20°	44571
25°	19719
30°	10609
35°	5622
40°	2004
45°	713
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.9	71.5
10°-20°	143.2	20.3
20°-30°	41.8	5.9
30°-40°	13.7	1.9
40°-50°	2.4	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	688.9	97.7
0°-40°	702.6	99.7
0°-60°	705.0	100.0
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14557	
5°	7492	504
15°	450	143
25°	82	42
35°	21	14
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14557.1
1°	14138.0
2°	13041.1
3°	11320.2
4°	9438.5
5°	7491.7
6°	5649.6
7°	4091.7
8°	2878.4
9°	2023.7
10°	1455.5
11°	1078.2
12°	829.0
13°	666.0
14°	542.6
15°	449.5
17.5°	298.1
20°	191.0
22.5°	121.1
25°	81.5
27.5°	58.2
30°	41.9
32.5°	30.3
35°	21.0
37.5°	14.0
40°	7.0
42.5°	4.7
45°	2.3
47.5°	2.3
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)