

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: P1266065

Luminaire Tested: P3A02R089735DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2408-211-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R089735DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R08 optic, 3500K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 230.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.16 / 0.16 / 0.16
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 4.9
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	113	111		114	112	111	110		108	107	106		105	104	103		101	101	100
2	113	111	108	106		111	109	107	105		106	104	103		103	102	101		101	100	99
3	111	108	105	103		109	106	104	102		104	102	100		102	100	99		100	98	97
4	109	105	102	100		108	104	101	99		102	100	98		100	99	97		99	97	96
5	107	103	100	98		106	102	99	97		101	98	97		99	97	96		98	96	95
6	105	101	98	96		104	100	98	96		99	97	95		98	96	95		97	95	94
7	104	100	97	95		103	99	96	94		98	96	94		97	95	94		96	94	93
8	103	98	95	93		102	98	95	93		97	95	93		96	94	93		95	94	92
9	101	97	94	92		101	97	94	92		96	94	92		95	93	92		95	93	92
10	100	96	93	91		100	96	93	91		95	93	91		94	92	91		94	92	91

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1304479
5°	543956
10°	87551
15°	25085
20°	8447
25°	3726
30°	2076
35°	1446
40°	1288
45°	837
50°	614
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	77.1
10°-20°	37.1	16.1
20°-30°	8.1	3.5
30°-40°	3.5	1.5
40°-50°	2.1	0.9
50°-60°	0.9	0.4
60°-70°	0.8	0.3
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°	222.6	96.8
0°-40°	226.1	98.3
0°-60°	229.2	99.7
0°-90°	230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5949	
5°	2471	177
15°	110	37
25°	15	8
35°	5	3
45°	3	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5948.9
2.5°	4972.4
5°	2471.2
7.5°	921.3
10°	393.2
12.5°	202.9
15°	110.5
17.5°	62.5
20°	36.2
22.5°	23.6
25°	15.4
27.5°	11.8
30°	8.2
32.5°	6.3
35°	5.4
37.5°	4.5
40°	4.5
42.5°	3.6
45°	2.7
47.5°	1.8
50°	1.8
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
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
90°	0.0

(END OF REPORT)