

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: P1246377

Luminaire Tested: P3A09R159024DE010 E3CB1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R159024DE010 E3CB1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3CB1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

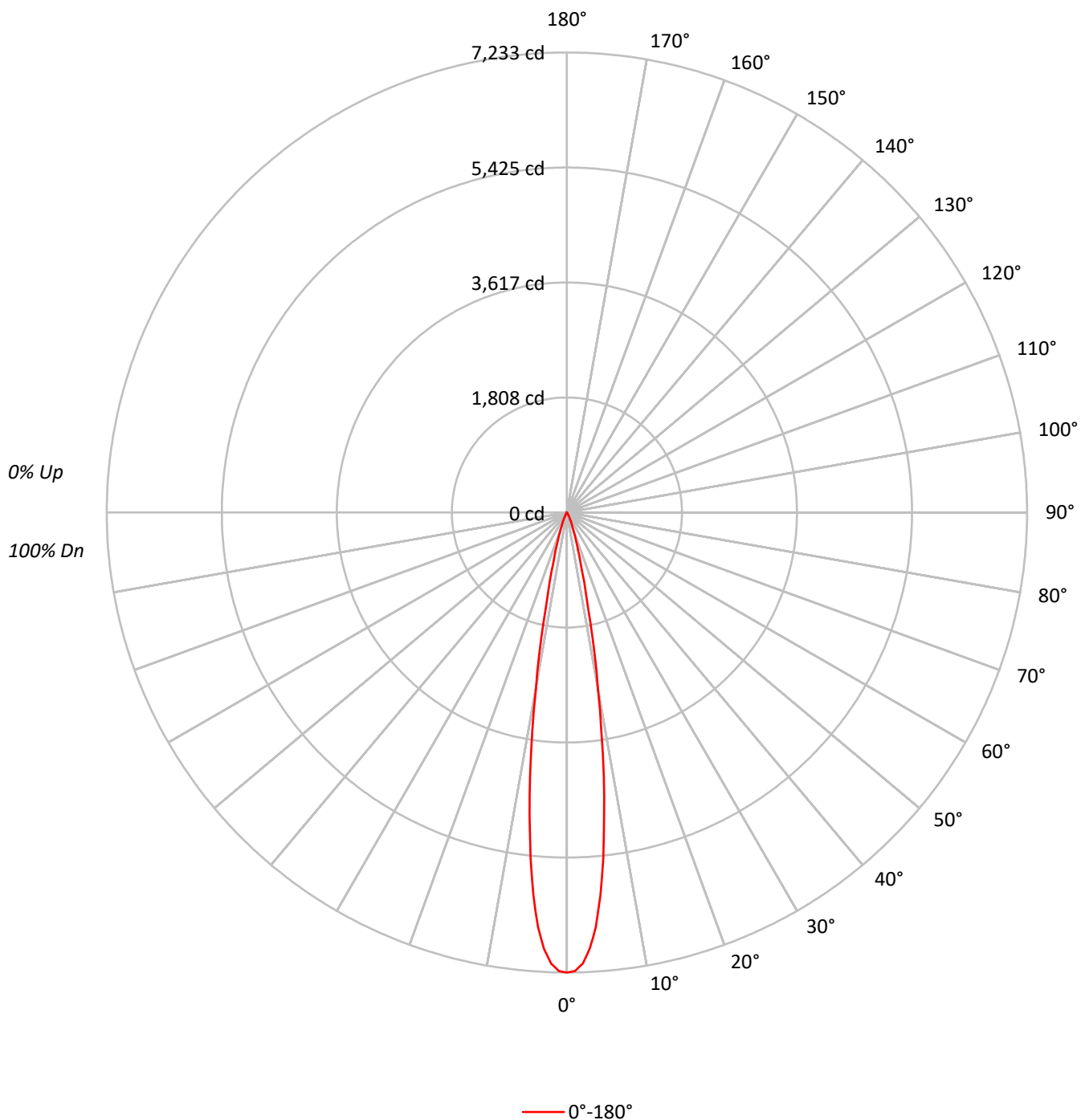
Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1246377

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	101	108	105	102	100	102	100	98		100	98	97		98	97	95	94
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	92	91
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94	92	90	89
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92	90	89	88
8	99	94	90	88	98	93	90	88	93	90	88		92	89	87		91	89	87	86
9	97	92	89	87	97	92	89	87	91	88	86		90	88	86		90	87	86	85
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88	86	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1586101
5°	1329316
10°	626152
15°	188787
20°	69843
25°	27171
30°	10128
35°	3105
40°	1116
45°	589
50°	443
55°	497
60°	570
65°	311
70°	385
75°	508
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.9	57.2
10°-20°	277.5	34.0
20°-30°	58.3	7.1
30°-40°	9.4	1.2
40°-50°	1.6	0.2
50°-60°	1.2	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	802.7	98.4
0°-40°	812.1	99.5
0°-60°	814.9	99.9
0°-90°	816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	816.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7233	
5°	6039	467
15°	832	278
25°	112	58
35°	12	9
45°	2	2
55°	1	1
65°	1	1
75°	1	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7233.2
1°	7210.7
2°	7095.8
3°	6866.2
4°	6529.4
5°	6039.1
6°	5463.0
7°	4804.3
8°	4175.3
9°	3463.1
10°	2812.1
12.5°	1517.4
15°	831.6
17.5°	487.1
20°	299.3
22.5°	183.2
25°	112.3
27.5°	67.7
30°	40.0
32.5°	22.6
35°	11.6
37.5°	6.5
40°	3.9
42.5°	2.6
45°	1.9
47.5°	1.3
50°	1.3
52.5°	1.3
55°	1.3
57.5°	1.3
60°	1.3
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)