

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: P1246502

Luminaire Tested: P3A09R359024DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359024DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

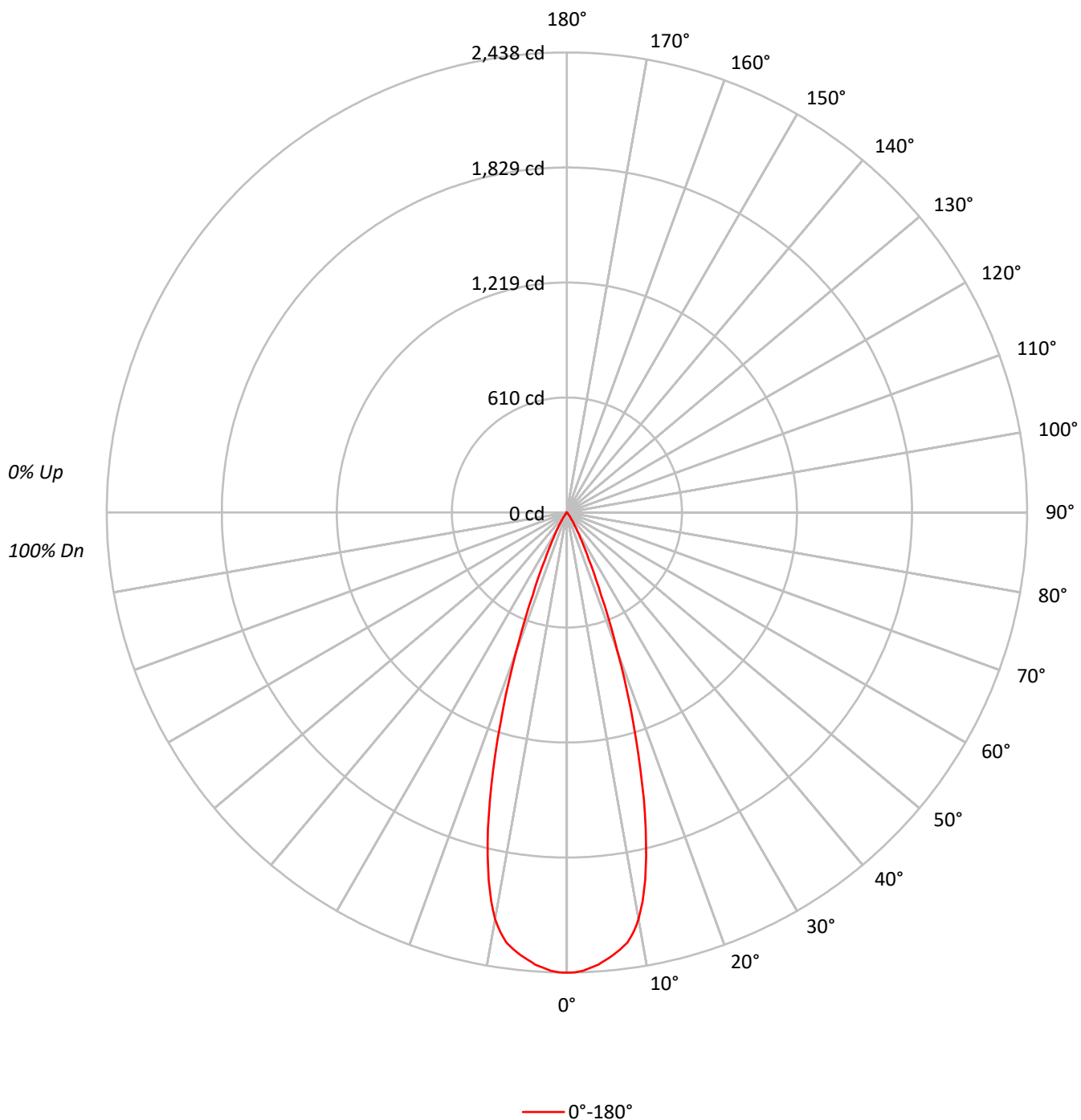
Lumens per Lamp: N/A
Luminaire Lumens: 820.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246502

CATALOG NUMBER: P3A09R359024DE010 E3CD1MB

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	115	113	111	109	112	110	109	107	107	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	98	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	534694
5°	523793
10°	487299
15°	357255
20°	182949
25°	65931
30°	25675
35°	8994
40°	3693
45°	992
50°	887
55°	994
60°	833
65°	675
70°	833
75°	1101
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 75°
Luminance: 1101 cd/sqm

TEST NUMBER: P1246502

CATALOG NUMBER: P3A09R359024DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	27.1
10°-20°	416.2	50.8
20°-30°	147.4	18.0
30°-40°	25.8	3.1
40°-50°	3.8	0.5
50°-60°	2.1	0.3
60°-70°	1.5	0.2
70°-80°	1.1	0.1
80°-90°	0.2	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°	785.4	95.8
0°-40°	811.3	98.9
0°-60°	817.1	99.7
0°-90°	820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2438	
5°	2380	222
15°	1574	416
25°	272	147
35°	34	26
45°	3	4
55°	3	2
65°	1	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1246502

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2438.4
1°	2437.8
2°	2430.0
3°	2415.2
4°	2401.6
5°	2379.6
6°	2357.0
7°	2331.8
8°	2300.9
9°	2252.4
10°	2188.5
11°	2100.0
12°	1993.5
13°	1866.9
14°	1727.4
15°	1573.7
17.5°	1172.1
20°	784.0
22.5°	472.7
25°	272.5
27.5°	162.7
30°	101.4
32.5°	58.8
35°	33.6
37.5°	21.3
40°	12.9
42.5°	6.5
45°	3.2
47.5°	2.6
50°	2.6
52.5°	2.6
55°	2.6
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.3
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0



TEST NUMBER: P1246502
CATALOG NUMBER: P3A09R359024DE010 E3CD1MB

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)