

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: P1426038

Luminaire Tested: P3A02RH9040DE010 E3HY1GPH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02RH9040DE010 E3HY1GPH
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 90CRI , E3HY1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

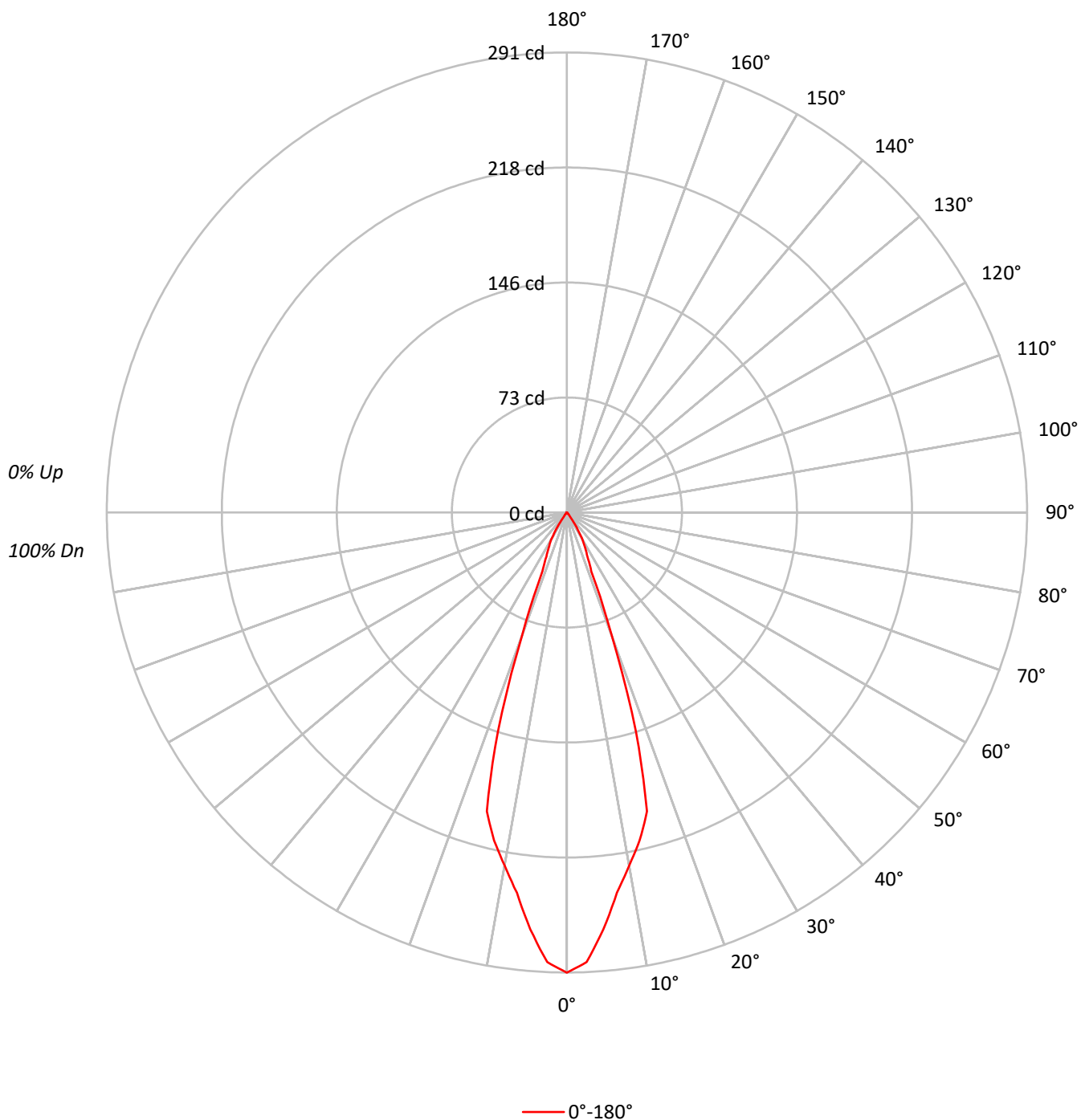
Lumens per Lamp: N/A
Luminaire Lumens: 94.0 lumens
Efficiency: N/A
Efficacy: 26.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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				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	106	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		92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90		89
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91	89	87		86
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88	86	84		83
6	97	90	86	83	96	89	85	82	88	84	82		87	84	81		86	83	81		80
7	94	87	82	79	93	86	82	79	85	81	79		84	81	78		83	80	78		77
8	91	84	79	76	90	83	79	76	82	79	76		81	78	76		81	78	75		74
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78	75	73		72
10	85	78	74	71	85	78	74	71	77	73	71		77	73	71		76	73	71		70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63833
5°	58265
10°	50478
15°	44404
20°	19322
25°	7404
30°	5013
35°	1686
40°	515
45°	155
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: 45°

Luminance: 155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	25.5
10°-20°	48.2	51.2
20°-30°	16.3	17.4
30°-40°	5.0	5.3
40°-50°	0.5	0.6
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°	88.5	94.1
0°-40°	93.5	99.4
0°-60°	94.0	100.0
0°-90°	94.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	94.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	291	
5°	265	24
15°	196	48
25°	31	16
35°	6	5
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	291.1
2.5°	284.7
5°	264.7
7.5°	242.5
10°	226.7
12.5°	212.5
15°	195.6
17.5°	145.3
20°	82.8
22.5°	40.3
25°	30.6
27.5°	24.8
30°	19.8
32.5°	12.7
35°	6.3
37.5°	3.4
40°	1.8
42.5°	1.1
45°	0.5
47.5°	0.3
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
90°	0.0

(END OF REPORT)