

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: P1426045

Luminaire Tested: P3A02RH9050DE010 E3HY1H

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02RH9050DE010 E3HY1H
Description: 3in Adjustable LED luminaire with, RH optic, 5000K CCT AND, 90CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

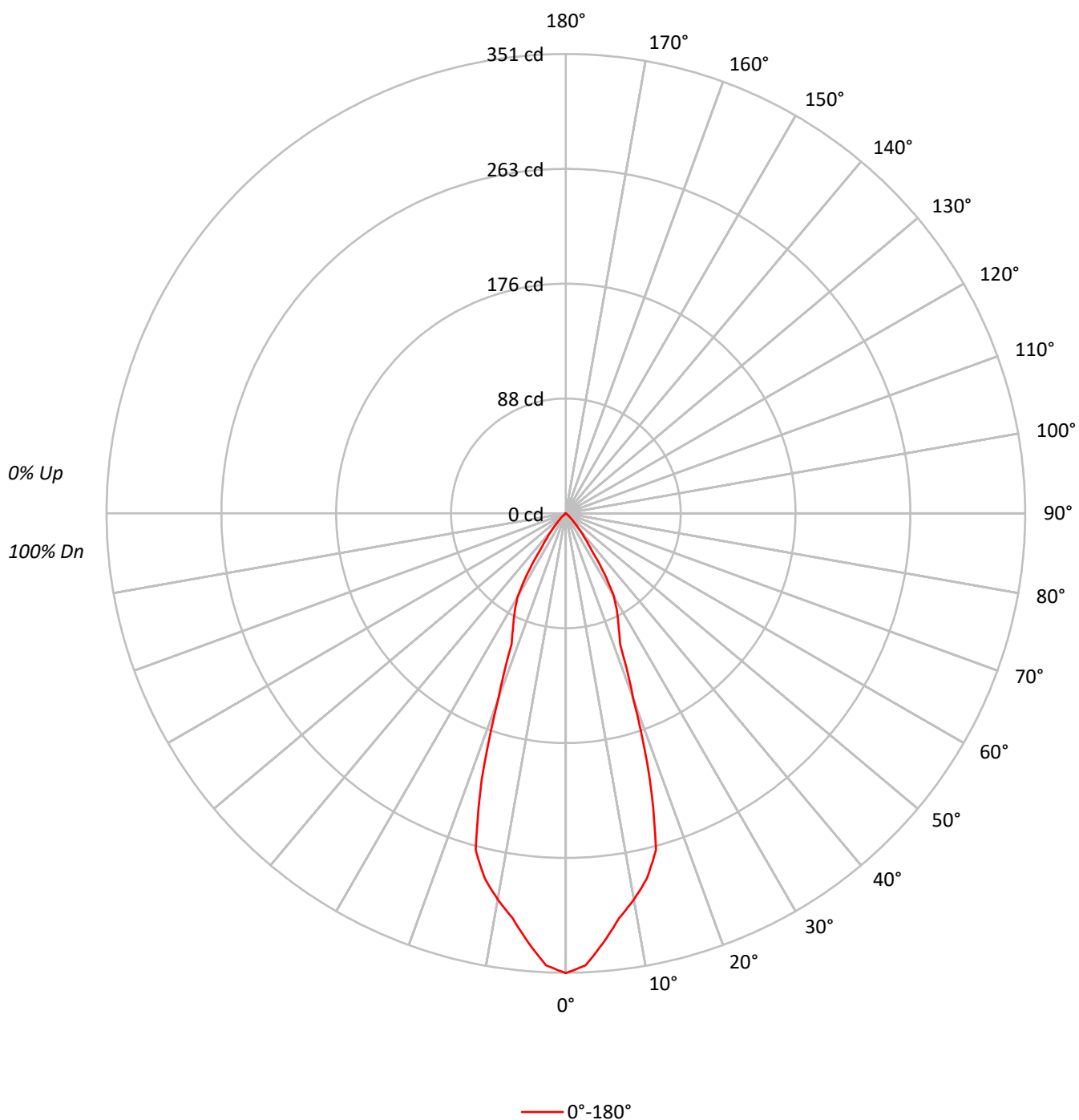
Lumens per Lamp: N/A
Luminaire Lumens: 174.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	114	112	109	107		112	110	108	106		106	104	103		102	101	99		98	98	97
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	88	86
4	100	94	89	85		99	93	88	85		91	87	84		89	85	83		87	84	82
5	96	89	84	80		95	88	83	80		86	82	79		85	81	78		83	80	78
6	92	84	79	76		91	84	79	75		82	78	75		81	77	74		80	76	74
7	88	80	75	72		87	80	75	71		79	74	71		77	74	71		76	73	70
8	85	77	71	68		84	76	71	68		75	71	68		74	70	67		73	70	67
9	82	73	68	65		81	73	68	65		72	67	64		71	67	64		70	67	64
10	79	70	65	62		78	70	65	62		69	65	61		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77033
5°	72463
10°	66688
15°	60432
20°	35190
25°	23034
30°	18585
35°	9182
40°	4637
45°	2047
50°	546
55°	115
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	17.5
10°-20°	68.1	39.1
20°-30°	45.4	26.1
30°-40°	24.0	13.8
40°-50°	5.6	3.2
50°-60°	0.4	0.2
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°	144.0	82.8
0°-40°	168.0	96.5
0°-60°	174.0	100.0
0°-90°	174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	351	
5°	329	30
15°	266	68
25°	95	45
35°	34	24
45°	7	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	351.3
2.5°	345.7
5°	329.2
7.5°	312.0
10°	299.5
12.5°	285.9
15°	266.2
17.5°	213.8
20°	150.8
22.5°	108.2
25°	95.2
27.5°	84.6
30°	73.4
32.5°	54.8
35°	34.3
37.5°	23.4
40°	16.2
42.5°	10.6
45°	6.6
47.5°	3.7
50°	1.6
52.5°	0.8
55°	0.3
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)