

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: P1426083

Luminaire Tested: P3A02RH9830DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02RH9830DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3000K CCT AND, 98CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

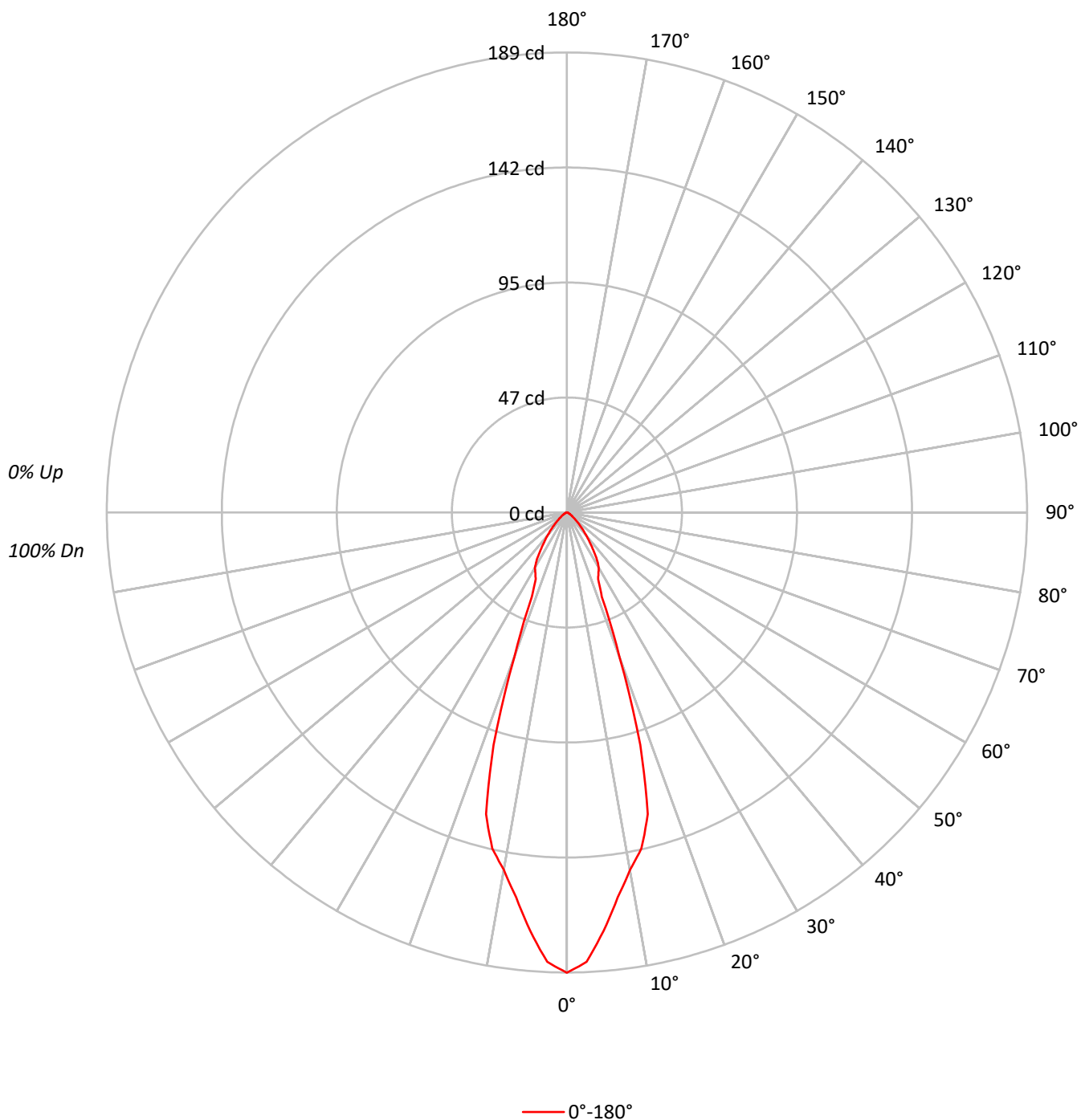
Lumens per Lamp: N/A
Luminaire Lumens: 86.0 lumens
Efficiency: N/A
Efficacy: 23.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					30					10					0
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	111	109	106		111	109	107	105		105	103	102		101	100	99		98	97	96
2	108	104	100	97		106	102	98	95		99	96	93		96	93	91		93	91	90
3	103	97	92	89		101	96	92	88		93	90	87		91	88	85		89	86	84
4	99	91	86	82		97	90	86	82		88	84	81		86	83	80		84	81	79
5	94	86	81	77		93	85	80	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	78	72	68		85	77	72	68		76	71	68		75	70	67		74	70	67
8	83	74	68	65		82	73	68	65		72	68	64		71	67	64		70	67	64
9	79	71	65	62		78	70	65	61		69	65	61		68	64	61		68	64	61
10	76	68	62	59		75	67	62	59		66	62	58		66	61	58		65	61	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41466
5°	37992
10°	33199
15°	29126
20°	14748
25°	7331
30°	6634
35°	5033
40°	3550
45°	2388
50°	1535
55°	1032
60°	702
65°	571
70°	321
75°	339
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	18.3
10°-20°	32.5	37.8
20°-30°	15.9	18.4
30°-40°	11.8	13.8
40°-50°	6.1	7.1
50°-60°	2.5	2.9
60°-70°	1.0	1.2
70°-80°	0.4	0.4
80°-90°	0.1	0.1
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°	64.1	74.5
0°-40°	75.9	88.2
0°-60°	84.5	98.3
0°-90°	86.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	86.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	189	
5°	173	16
15°	128	33
25°	30	16
35°	19	12
45°	8	6
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	189.1
2.5°	184.8
5°	172.6
7.5°	159.5
10°	149.1
12.5°	141.4
15°	128.3
17.5°	100.1
20°	63.2
22.5°	37.5
25°	30.3
27.5°	28.0
30°	26.2
32.5°	23.0
35°	18.8
37.5°	15.4
40°	12.4
42.5°	9.9
45°	7.7
47.5°	5.9
50°	4.5
52.5°	3.4
55°	2.7
57.5°	2.2
60°	1.6
62.5°	1.3
65°	1.1
67.5°	0.7
70°	0.5
72.5°	0.5
75°	0.4
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)