

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: P1426029

Luminaire Tested: P3A02RH9030DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426029
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: P3A02RH9030DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3000K CCT AND, 90CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

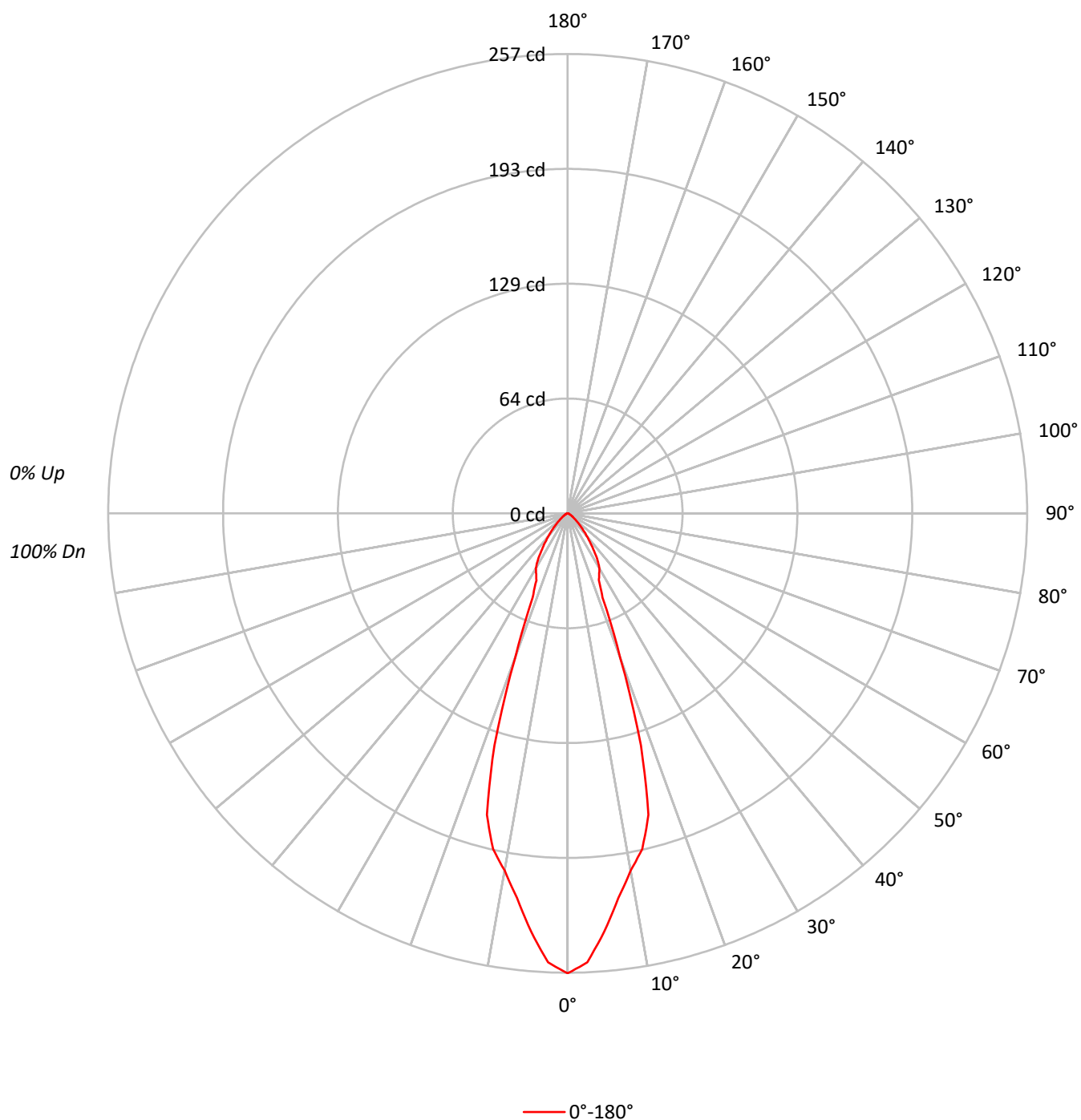
Lumens per Lamp: N/A
Luminaire Lumens: 116.9 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	86	82	97	90	86	82	88	84	81		86	83	80		84
5	94	86	81	77	93	85	80	77	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74
8	83	74	69	65	82	73	68	65	72	68	64		71	67	64		70
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68
10	76	68	62	59	76	67	62	59	66	62	59		66	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56421
5°	51684
10°	45178
15°	39614
20°	20045
25°	9993
30°	9014
35°	6853
40°	4809
45°	3256
50°	2081
55°	1415
60°	965
65°	778
70°	449
75°	424
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3256 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	18.3
10°-20°	44.2	37.8
20°-30°	21.6	18.4
30°-40°	16.1	13.8
40°-50°	8.3	7.1
50°-60°	3.4	2.9
60°-70°	1.4	1.2
70°-80°	0.5	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°	87.2	74.5
0°-40°	103.3	88.3
0°-60°	115.0	98.3
0°-90°	116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	257	
5°	235	21
15°	174	44
25°	41	22
35°	26	16
45°	10	8
55°	4	3
65°	2	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	257.3
2.5°	251.4
5°	234.8
7.5°	217.0
10°	202.9
12.5°	192.4
15°	174.5
17.5°	136.2
20°	85.9
22.5°	51.0
25°	41.3
27.5°	38.1
30°	35.6
32.5°	31.2
35°	25.6
37.5°	21.0
40°	16.8
42.5°	13.4
45°	10.5
47.5°	8.1
50°	6.1
52.5°	4.6
55°	3.7
57.5°	2.9
60°	2.2
62.5°	1.7
65°	1.5
67.5°	1.0
70°	0.7
72.5°	0.7
75°	0.5
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)