

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: P1426018

Luminaire Tested: P3A02RH9027DE010 E3HY1WMH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02RH9027DE010 E3HY1WMH
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 90CRI , E3HY1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

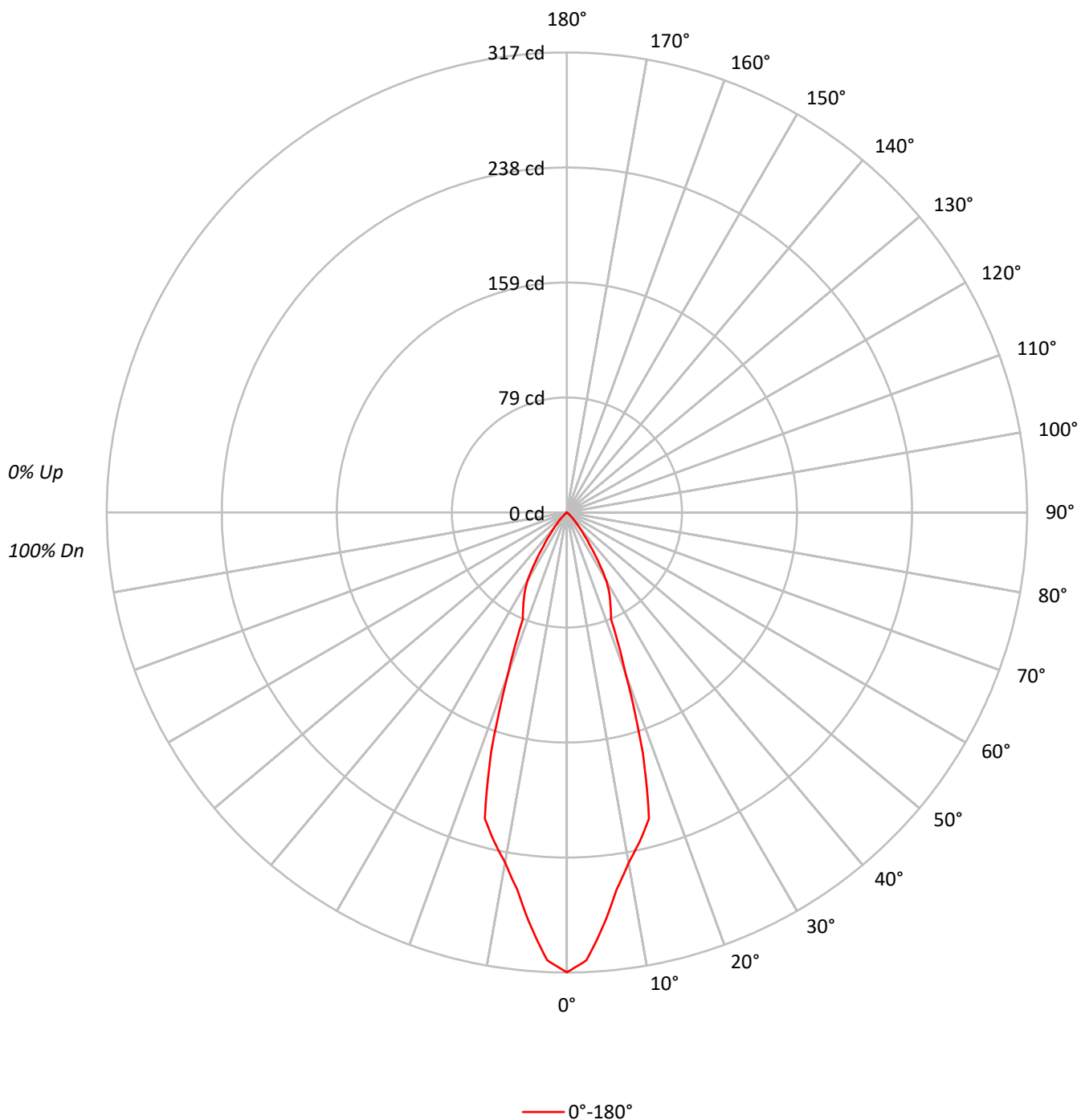
Lumens per Lamp: N/A
Luminaire Lumens: 139.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1426018

CATALOG NUMBER: P3A02RH9027DE010 E3HY1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1426018

CATALOG NUMBER: P3A02RH9027DE010 E3HY1WMH

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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	109	105	102	99	107	104	100	98	100	98	96		97	95	93		95
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87
5	96	89	84	81	95	88	84	80	87	83	79		85	82	79		84
6	93	85	80	76	91	84	79	76	83	78	75		81	78	75		80
7	89	81	76	72	88	80	75	72	79	75	72		78	74	71		77
8	85	77	72	69	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69468
5°	62976
10°	54553
15°	49580
20°	27652
25°	17178
30°	13774
35°	7495
40°	3779
45°	1706
50°	546
55°	76
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1706 cd/sqm

TEST NUMBER: P1426018

CATALOG NUMBER: P3A02RH9027DE010 E3HY1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	18.7
10°-20°	55.4	39.8
20°-30°	34.1	24.5
30°-40°	18.6	13.4
40°-50°	4.7	3.4
50°-60°	0.4	0.3
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°	115.4	83.0
0°-40°	133.9	96.3
0°-60°	139.0	100.0
0°-90°	139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	139.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	317	
5°	286	26
15°	218	55
25°	71	34
35°	28	19
45°	6	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1426018

CATALOG NUMBER: P3A02RH9027DE010 E3HY1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	316.8
2.5°	308.9
5°	286.1
7.5°	262.0
10°	245.0
12.5°	232.0
15°	218.4
17.5°	173.8
20°	118.5
22.5°	79.4
25°	71.0
27.5°	63.5
30°	54.4
32.5°	40.7
35°	28.0
37.5°	19.1
40°	13.2
42.5°	8.9
45°	5.5
47.5°	3.0
50°	1.6
52.5°	0.7
55°	0.2
57.5°	0.2
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)