

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: P1426971

Luminaire Tested: P3A24RH9030D010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426971
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: P3A24RH9030D010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3000K CCT AND, 90CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

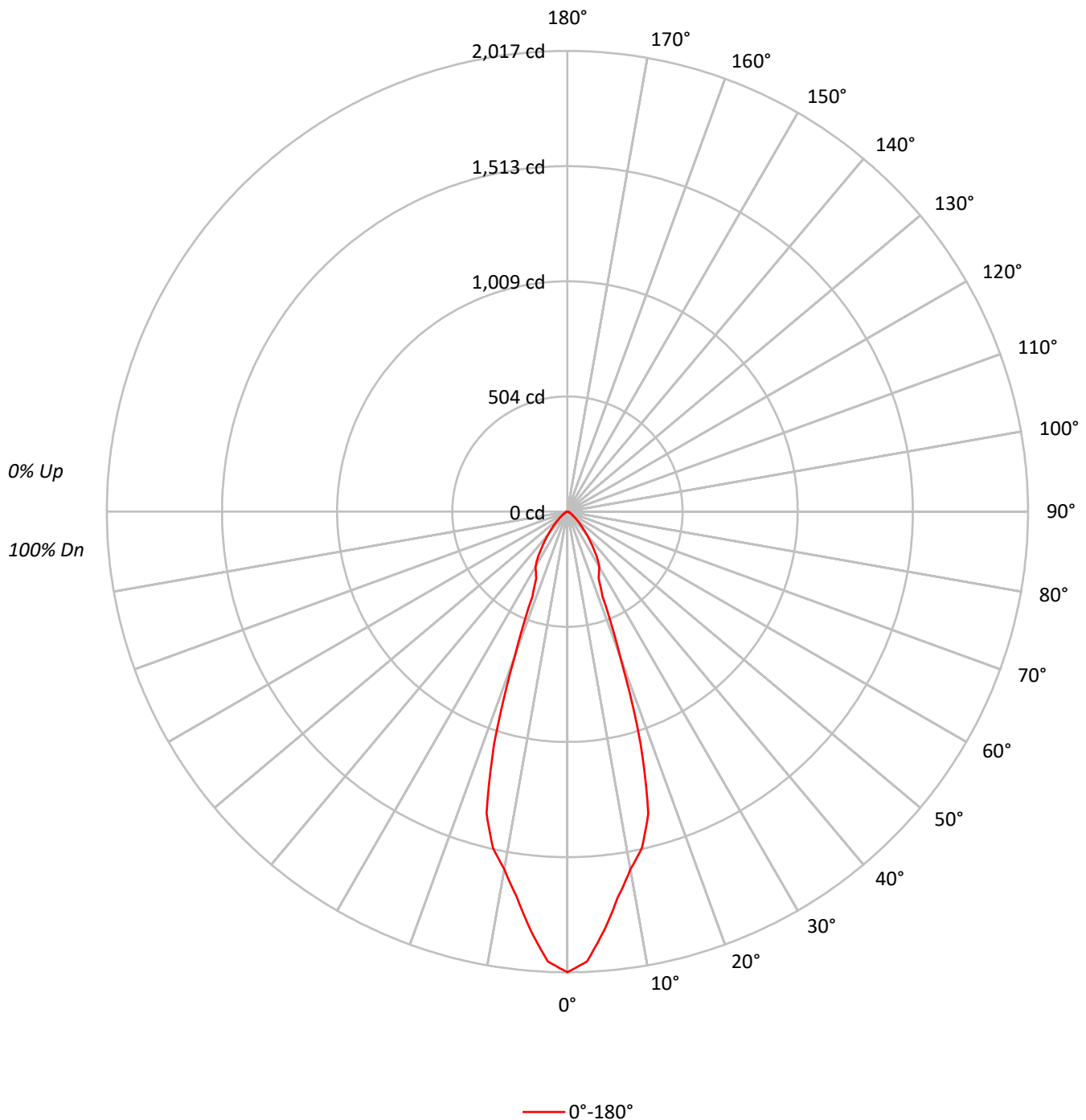
Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1426971

CATALOG NUMBER: P3A24RH9030D010 E3HY1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1426971

CATALOG NUMBER: P3A24RH9030D010 E3HY1MW

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	98	96	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	91	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	68	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	75	67	62	59	66	62	59		66	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	442201
5°	405150
10°	354013
15°	310558
20°	157164
25°	78222
30°	70720
35°	53779
40°	37785
45°	25522
50°	16307
55°	10972
60°	7543
65°	5967
70°	3654
75°	3219
80°	2399
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25522 cd/sqm

TEST NUMBER: P1426971

CATALOG NUMBER: P3A24RH9030D010 E3HY1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	18.3
10°-20°	346.6	37.8
20°-30°	169.0	18.4
30°-40°	126.3	13.8
40°-50°	65.0	7.1
50°-60°	26.8	2.9
60°-70°	10.9	1.2
70°-80°	4.0	0.4
80°-90°	0.8	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°	683.2	74.5
0°-40°	809.5	88.3
0°-60°	901.3	98.3
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2017	
5°	1841	168
15°	1368	347
25°	323	169
35°	201	126
45°	82	65
55°	29	27
65°	12	11
75°	4	4
85°	0	1
90°	0	

TEST NUMBER: P1426971

CATALOG NUMBER: P3A24RH9030D010 E3HY1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2016.6
2.5°	1970.7
5°	1840.6
7.5°	1700.9
10°	1589.9
12.5°	1507.7
15°	1368.0
17.5°	1067.6
20°	673.5
22.5°	399.9
25°	323.3
27.5°	298.5
30°	279.3
32.5°	244.9
35°	200.9
37.5°	164.5
40°	132.0
42.5°	105.2
45°	82.3
47.5°	63.1
50°	47.8
52.5°	36.4
55°	28.7
57.5°	23.0
60°	17.2
62.5°	13.4
65°	11.5
67.5°	7.7
70°	5.7
72.5°	5.7
75°	3.8
77.5°	1.9
80°	1.9
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)