

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: P1426989

Luminaire Tested: P3A24RH9050D010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426989
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: P3A24RH9050D010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 5000K CCT AND, 90CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

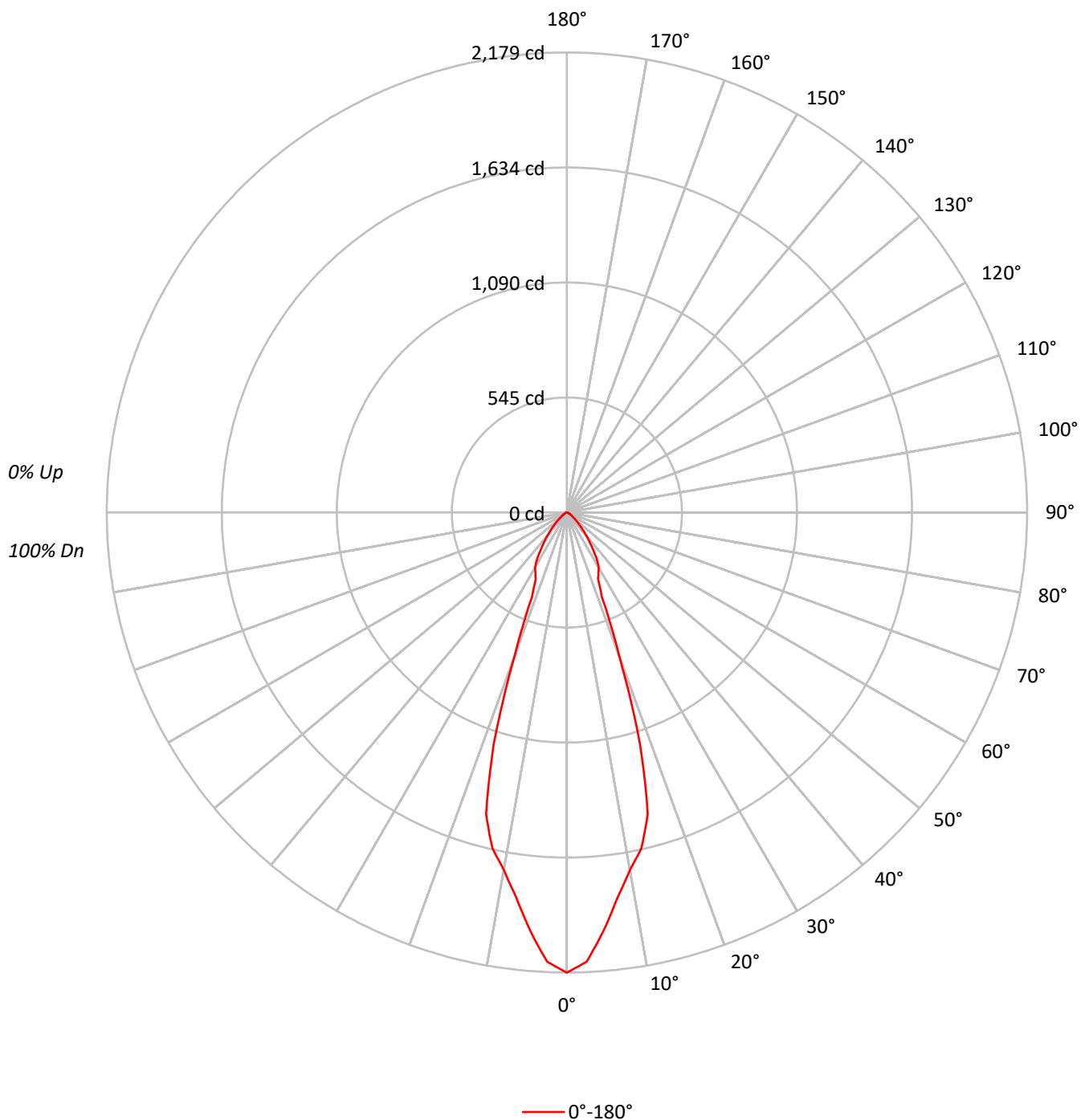
Lumens per Lamp: N/A
Luminaire Lumens: 991.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1426989

CATALOG NUMBER: P3A24RH9050D010 E3HY1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1426989

CATALOG NUMBER: P3A24RH9050D010 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°	477878
5°	437837
10°	382580
15°	335621
20°	169835
25°	84537
30°	76442
35°	58116
40°	40848
45°	27569
50°	17637
55°	11851
60°	8157
65°	6434
70°	3975
75°	3474
80°	2652
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27569 cd/sqm

TEST NUMBER: P1426989

CATALOG NUMBER: P3A24RH9050D010 E3HY1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	18.3
10°-20°	374.6	37.8
20°-30°	182.7	18.4
30°-40°	136.5	13.8
40°-50°	70.3	7.1
50°-60°	28.9	2.9
60°-70°	11.7	1.2
70°-80°	4.4	0.4
80°-90°	0.9	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°	738.4	74.5
0°-40°	874.8	88.3
0°-60°	974.1	98.3
0°-90°	991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	991.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2179	
5°	1989	181
15°	1478	375
25°	349	183
35°	217	136
45°	89	70
55°	31	29
65°	12	12
75°	4	4
85°	0	1
90°	0	

TEST NUMBER: P1426989

CATALOG NUMBER: P3A24RH9050D010 E3HY1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2179.3
2.5°	2129.7
5°	1989.1
7.5°	1838.2
10°	1718.2
12.5°	1629.3
15°	1478.4
17.5°	1153.8
20°	727.8
22.5°	432.1
25°	349.4
27.5°	322.6
30°	301.9
32.5°	264.7
35°	217.1
37.5°	177.8
40°	142.7
42.5°	113.7
45°	88.9
47.5°	68.2
50°	51.7
52.5°	39.3
55°	31.0
57.5°	24.8
60°	18.6
62.5°	14.5
65°	12.4
67.5°	8.3
70°	6.2
72.5°	6.2
75°	4.1
77.5°	2.1
80°	2.1
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)