

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: P1426983

Luminaire Tested: P3A24RH9040D010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426983
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: P3A24RH9040D010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 90CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

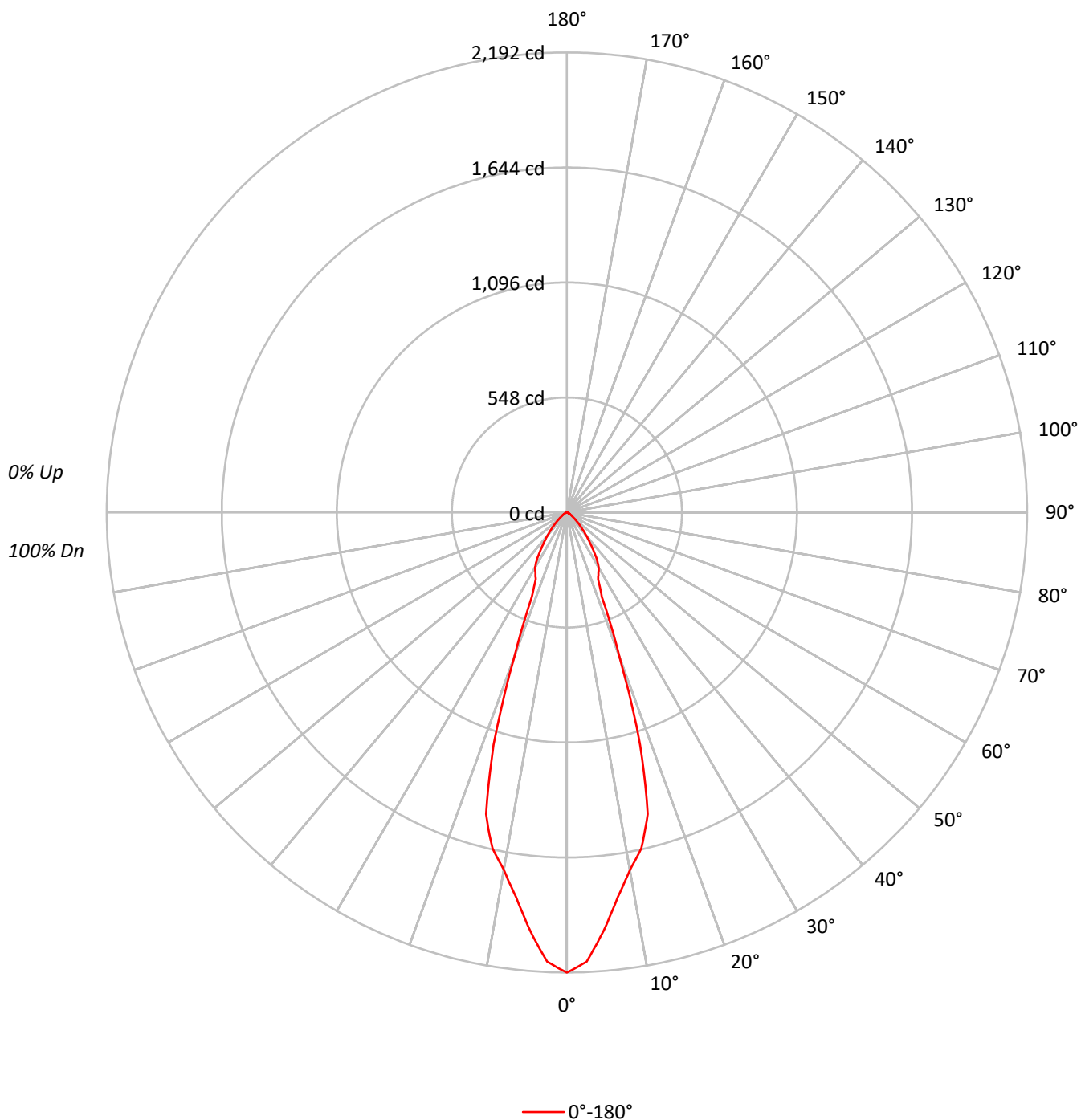
Lumens per Lamp: N/A
Luminaire Lumens: 997.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	88			
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82			
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78			
5	94	86	81	77	93	85	80	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69			
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	63			
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60			
10	76	68	62	59	75	67	62	59	66	62	59	66	61	58	65	61	58	57			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	480773
5°	440479
10°	384896
15°	337641
20°	170862
25°	85069
30°	76898
35°	58464
40°	41077
45°	27724
50°	17739
55°	11928
60°	8201
65°	6486
70°	3975
75°	3558
80°	2652
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27724 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	18.3
10°-20°	376.9	37.8
20°-30°	183.8	18.4
30°-40°	137.3	13.8
40°-50°	70.7	7.1
50°-60°	29.1	2.9
60°-70°	11.8	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°	742.8	74.5
0°-40°	880.1	88.3
0°-60°	980.0	98.3
0°-90°	997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2192	
5°	2001	182
15°	1487	377
25°	352	184
35°	218	137
45°	89	71
55°	31	29
65°	12	12
75°	4	4
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2192.5
2.5°	2142.6
5°	2001.1
7.5°	1849.3
10°	1728.6
12.5°	1639.2
15°	1487.3
17.5°	1160.7
20°	732.2
22.5°	434.8
25°	351.6
27.5°	324.5
30°	303.7
32.5°	266.3
35°	218.4
37.5°	178.9
40°	143.5
42.5°	114.4
45°	89.4
47.5°	68.6
50°	52.0
52.5°	39.5
55°	31.2
57.5°	25.0
60°	18.7
62.5°	14.6
65°	12.5
67.5°	8.3
70°	6.2
72.5°	6.2
75°	4.2
77.5°	2.1
80°	2.1
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)