

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: P1258559

Luminaire Tested: P3AS24R509040D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R509040D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

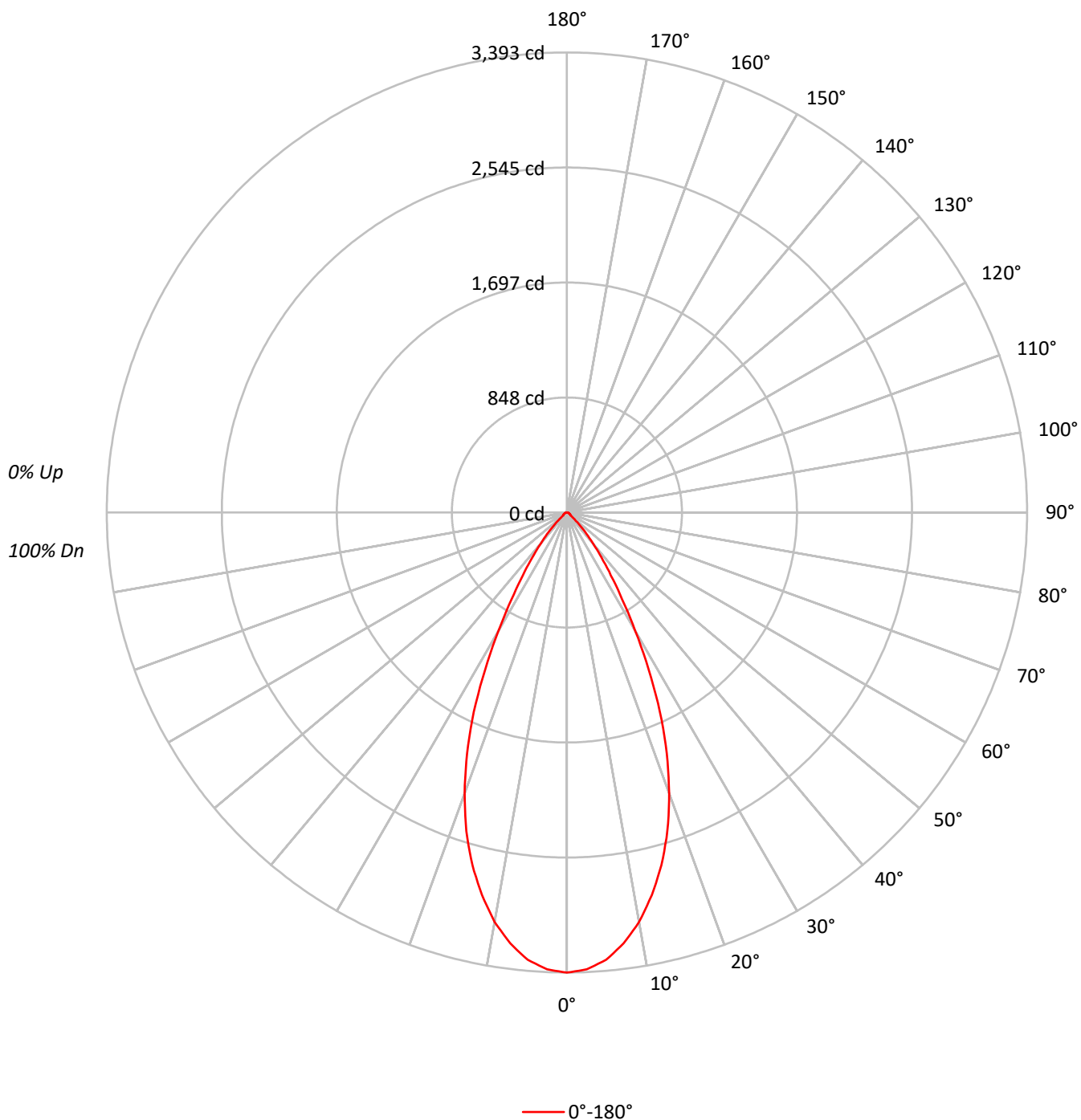
Lumens per Lamp: N/A
Luminaire Lumens: 2337.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	744063
5°	729054
10°	682909
15°	611332
20°	514451
25°	392636
30°	255179
35°	151300
40°	87421
45°	43819
50°	16307
55°	12692
60°	11841
65°	10792
70°	10643
75°	10590
80°	10481
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43819 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.1	13.2
10°-20°	744.7	31.9
20°-30°	730.6	31.3
30°-40°	368.1	15.8
40°-50°	116.3	5.0
50°-60°	30.1	1.3
60°-70°	21.3	0.9
70°-80°	13.2	0.6
80°-90°	4.5	0.2
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°	1783.5	76.3
0°-40°	2151.5	92.1
0°-60°	2298.0	98.3
0°-90°	2337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2337.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3393	
5°	3312	308
15°	2693	745
25°	1623	731
35°	565	368
45°	141	116
55°	33	30
65°	21	21
75°	12	13
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3393.2
2.5°	3372.4
5°	3312.1
7.5°	3204.1
10°	3067.0
12.5°	2890.3
15°	2692.9
17.5°	2464.4
20°	2204.6
22.5°	1924.1
25°	1622.8
27.5°	1302.8
30°	1007.8
32.5°	758.4
35°	565.2
37.5°	417.7
40°	305.4
42.5°	216.1
45°	141.3
47.5°	81.0
50°	47.8
52.5°	35.3
55°	33.2
57.5°	29.1
60°	27.0
62.5°	24.9
65°	20.8
67.5°	18.7
70°	16.6
72.5°	14.5
75°	12.5
77.5°	10.4
80°	8.3
82.5°	6.2
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)