

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: P1250436

Luminaire Tested: P3AS24R509027D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250436
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: P3AS24R509027D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

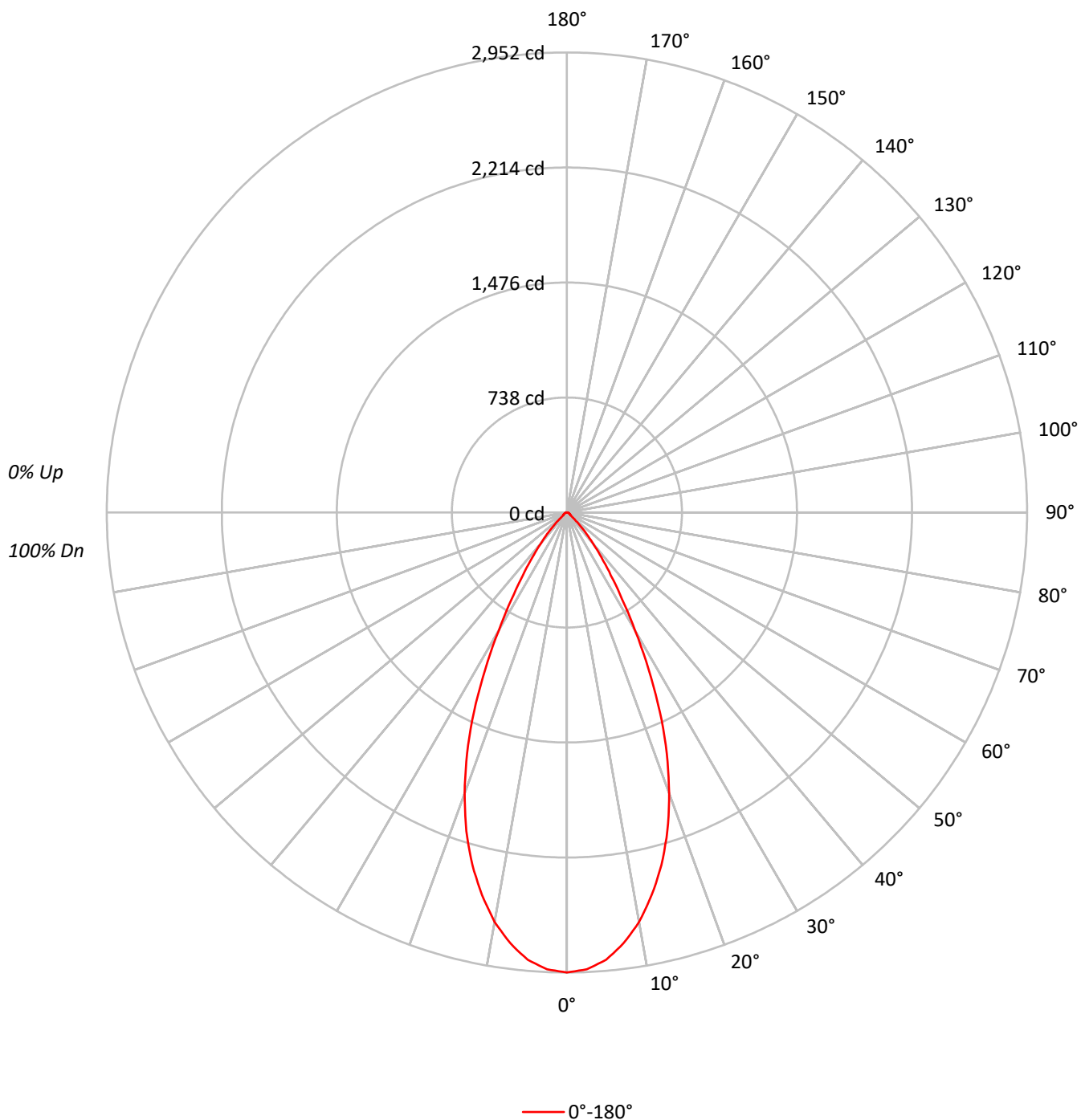
Lumens per Lamp: N/A
Luminaire Lumens: 2033.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	647273
5°	634227
10°	594066
15°	531808
20°	447549
25°	341560
30°	221984
35°	131624
40°	76057
45°	38112
50°	14191
55°	11049
60°	10306
65°	9391
70°	9296
75°	9150
80°	9092
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38112 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.1	13.2
10°-20°	647.8	31.9
20°-30°	635.6	31.3
30°-40°	320.2	15.8
40°-50°	101.2	5.0
50°-60°	26.2	1.3
60°-70°	18.6	0.9
70°-80°	11.4	0.6
80°-90°	3.9	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°	1551.5	76.3
0°-40°	1871.7	92.1
0°-60°	1999.1	98.3
0°-90°	2033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2033.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2952	
5°	2881	268
15°	2343	648
25°	1412	636
35°	492	320
45°	123	101
55°	29	26
65°	18	19
75°	11	11
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2951.8
2.5°	2933.7
5°	2881.3
7.5°	2787.3
10°	2668.0
12.5°	2514.4
15°	2342.6
17.5°	2143.8
20°	1917.9
22.5°	1673.8
25°	1411.7
27.5°	1133.4
30°	876.7
32.5°	659.8
35°	491.7
37.5°	363.3
40°	265.7
42.5°	188.0
45°	122.9
47.5°	70.5
50°	41.6
52.5°	30.7
55°	28.9
57.5°	25.3
60°	23.5
62.5°	21.7
65°	18.1
67.5°	16.3
70°	14.5
72.5°	12.7
75°	10.8
77.5°	9.0
80°	7.2
82.5°	5.4
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)