

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: P1250402

Luminaire Tested: P3AS24R459027D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS24R459027D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

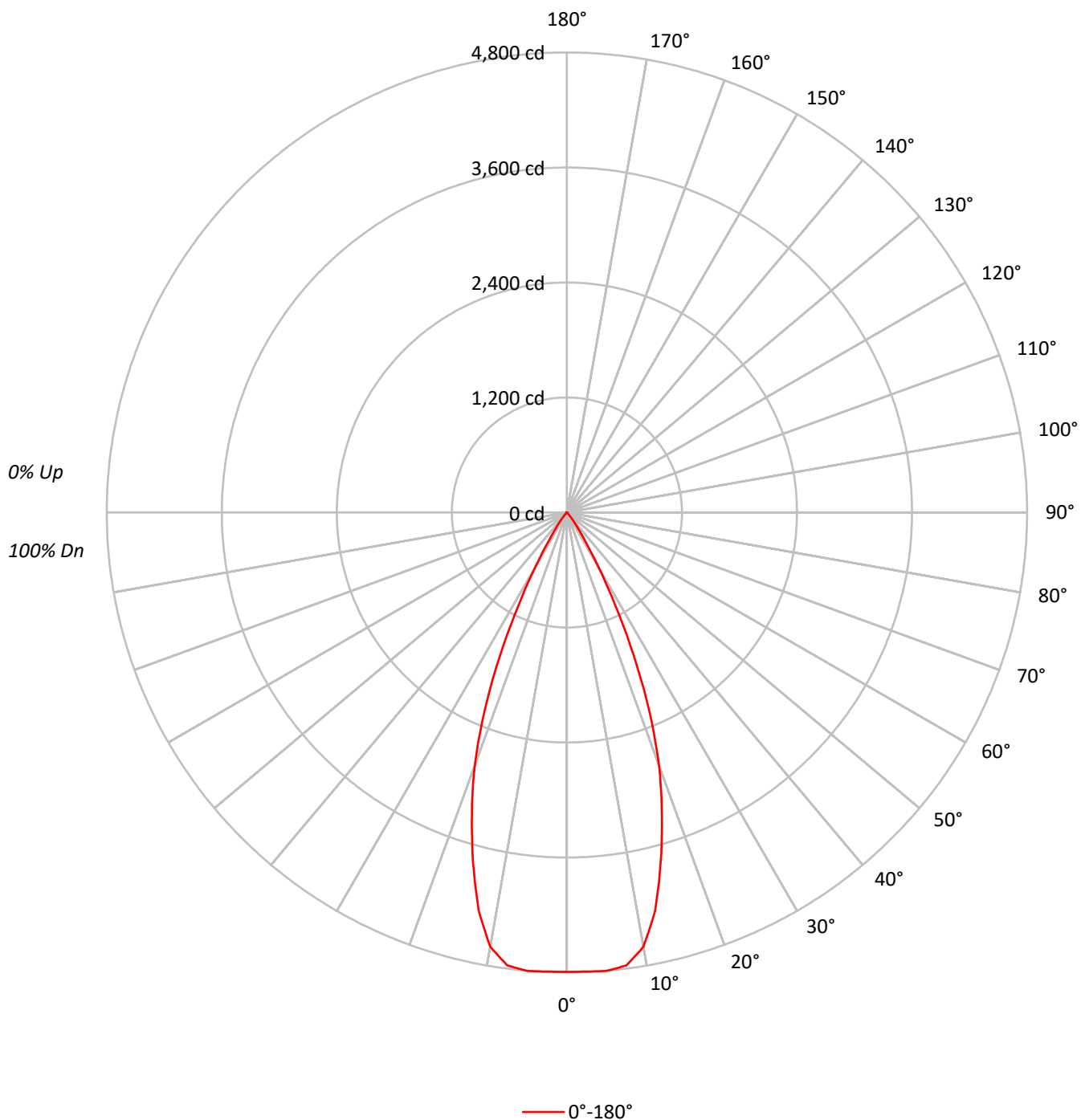
Lumens per Lamp: N/A
Luminaire Lumens: 2423.9 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	100		108	104	101	98		101	98	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		96	93	91		94	91	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		87	83	81		85	82	80
6	94	87	82	78		93	86	81	78		85	80	77		83	80	77		82	79	76
7	90	83	78	74		89	82	78	74		81	77	74		80	76	74		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	67	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1050946
5°	1056546
10°	1024074
15°	858166
20°	656004
25°	399362
30°	166177
35°	53244
40°	16574
45°	3349
50°	2456
55°	2753
60°	2368
65°	2802
70°	2308
75°	3050
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	18.7
10°-20°	1039.0	42.9
20°-30°	748.1	30.9
30°-40°	155.6	6.4
40°-50°	14.2	0.6
50°-60°	5.8	0.2
60°-70°	4.7	0.2
70°-80°	3.1	0.1
80°-90°	0.7	0.0
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°	2239.7	92.4
0°-40°	2395.4	98.8
0°-60°	2415.4	99.6
0°-90°	2423.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4793	
5°	4800	453
15°	3780	1039
25°	1651	748
35°	199	156
45°	11	14
55°	7	6
65°	5	5
75°	4	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4792.7
2.5°	4794.5
5°	4799.9
7.5°	4765.5
10°	4599.2
12.5°	4252.1
15°	3780.2
17.5°	3297.5
20°	2811.2
22.5°	2252.6
25°	1650.6
27.5°	1088.3
30°	656.3
32.5°	367.0
35°	198.9
37.5°	112.1
40°	57.9
42.5°	25.3
45°	10.8
47.5°	7.2
50°	7.2
52.5°	7.2
55°	7.2
57.5°	5.4
60°	5.4
62.5°	5.4
65°	5.4
67.5°	3.6
70°	3.6
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)