

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: P1299774

Luminaire Tested: P3A17R25W2N902750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R25W2N902750DE010 E3D1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

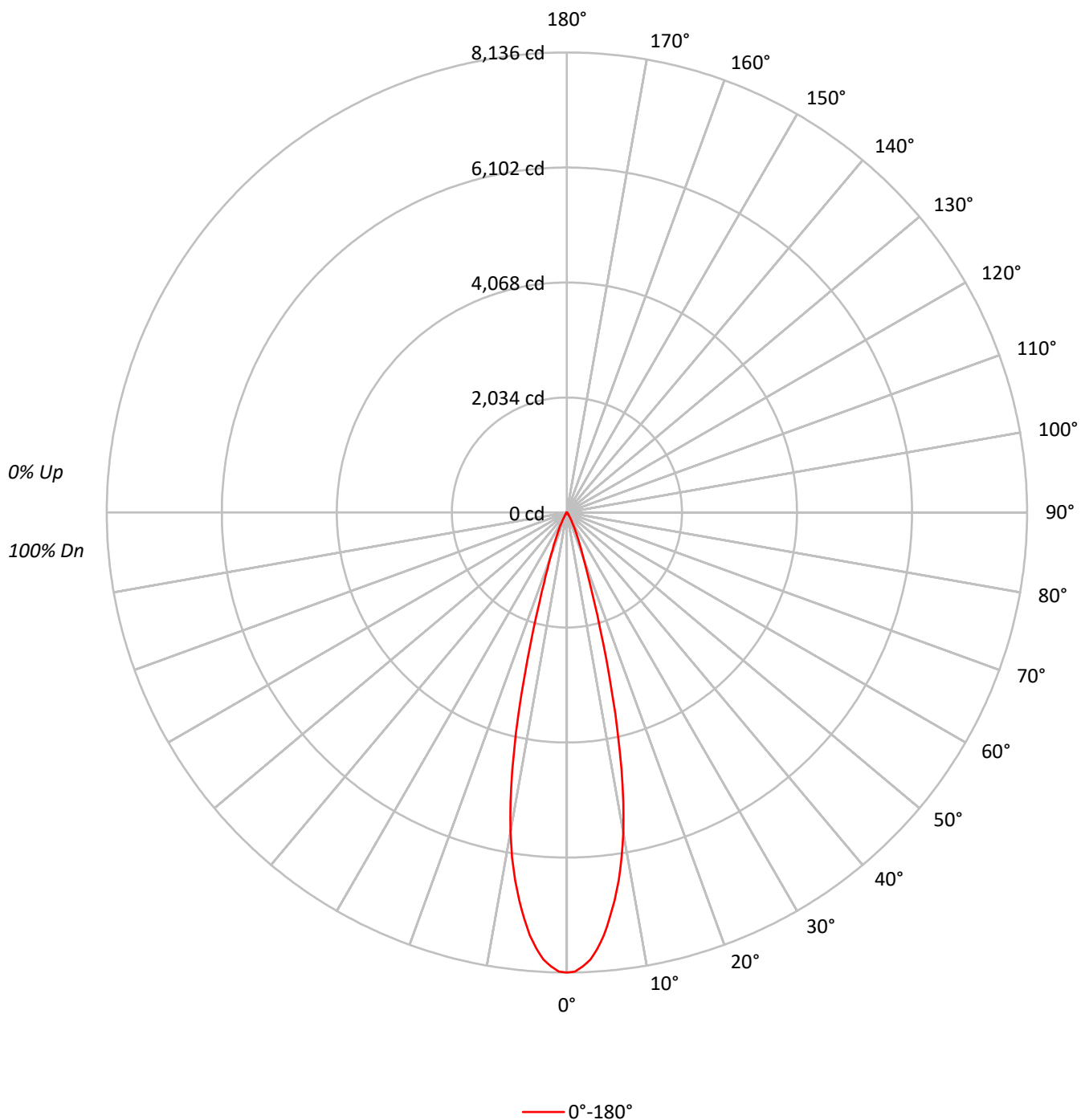
Lumens per Lamp: N/A
Luminaire Lumens: 1629.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	115	113	111	110	113	111	110	108	107	106	105		104	103	102		100	99	99		97
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98	97	96		94
3	109	104	101	98	107	103	100	97	100	98	96		98	96	94		96	94	93		92
4	106	101	97	94	104	100	96	94	98	95	92		96	93	91		94	92	90		89
5	103	97	93	91	101	96	93	90	95	92	90		93	91	89		92	90	88		87
6	100	94	90	88	99	94	90	87	92	89	87		91	88	86		90	88	86		85
7	98	92	88	85	97	91	87	85	90	87	84		89	86	84		88	86	84		83
8	95	89	85	83	94	89	85	83	88	85	82		87	84	82		86	84	82		81
9	93	87	83	81	92	86	83	80	86	83	80		85	82	80		84	82	80		79
10	91	85	81	79	90	84	81	79	84	81	78		83	80	78		83	80	78		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1784068
5°	1652670
10°	1278689
15°	610741
20°	201361
25°	84876
30°	32891
35°	14241
40°	4723
45°	2202
50°	819
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.0	40.5
10°-20°	750.6	46.1
20°-30°	174.4	10.7
30°-40°	36.6	2.2
40°-50°	5.9	0.4
50°-60°	1.0	0.1
60°-70°	0.5	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1585.0	97.3
0°-40°	1621.6	99.5
0°-60°	1628.5	100.0
0°-90°	1629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8136	
5°	7508	660
15°	2690	751
25°	351	174
35°	53	37
45°	7	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8136.0
1°	8119.4
2°	8035.0
3°	7916.2
4°	7734.9
5°	7508.1
6°	7216.9
7°	6912.2
8°	6570.2
9°	6184.5
10°	5742.7
11°	5230.6
12°	4643.0
13°	3999.2
14°	3325.9
15°	2690.3
16°	2128.0
17°	1657.9
18°	1304.1
19°	1043.1
20°	862.9
21°	721.2
22°	605.4
23°	505.6
24°	422.9
25°	350.8
27.5°	207.9
30°	129.9
32.5°	83.3
35°	53.2
37.5°	31.9
40°	16.5
42.5°	10.6
45°	7.1
47.5°	4.1
50°	2.4
52.5°	1.2
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)