

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: P1301406

Luminaire Tested: P3A17R50W2N902750DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301406
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: P3A17R50W2N902750DE010 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

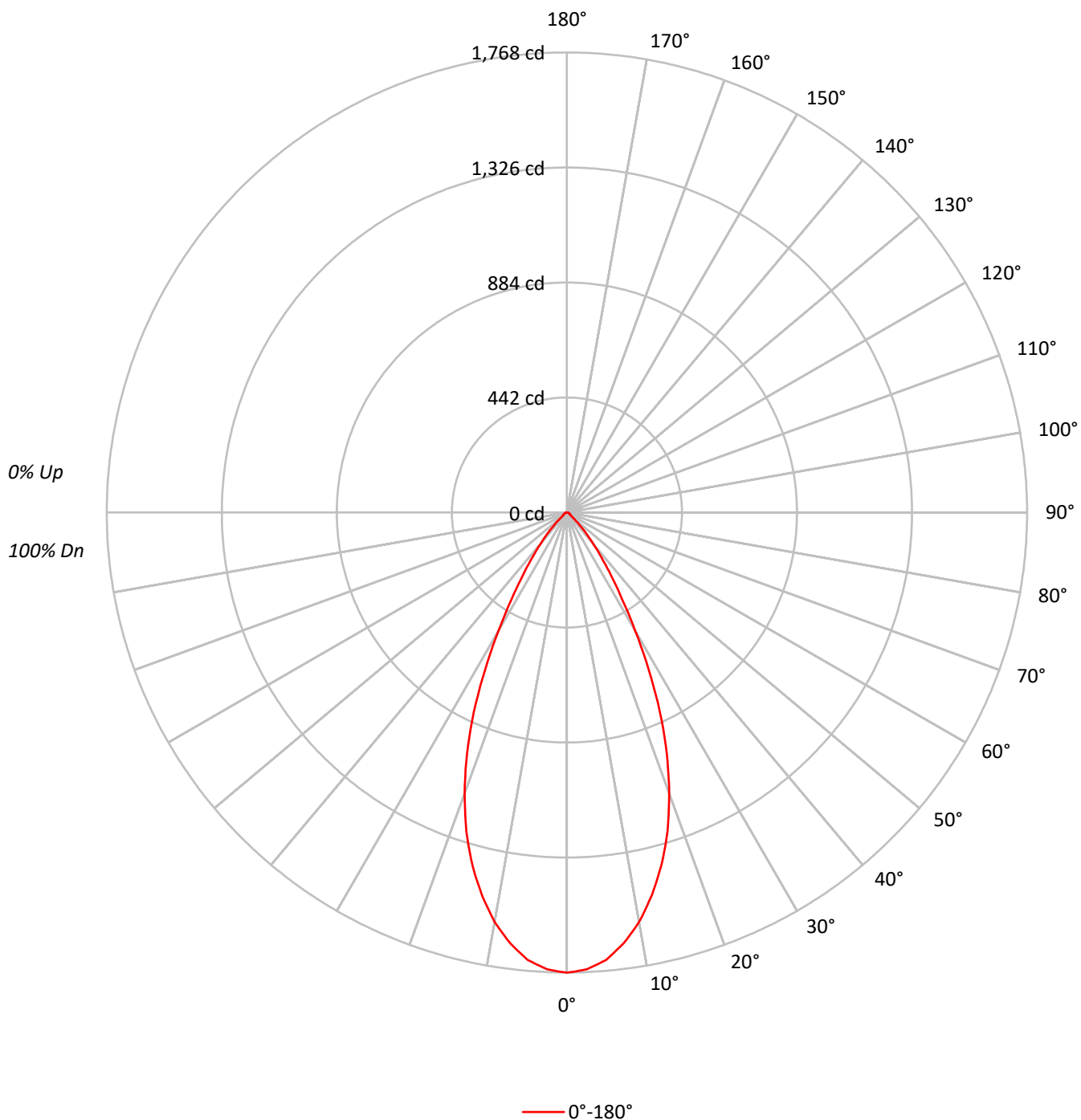
Lumens per Lamp: N/A
Luminaire Lumens: 1218.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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				
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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95		94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89		87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83		82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78		76
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73		72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75	72	69		67
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65		64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61		60
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65	61	58		57
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62	58	55		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	387798
5°	379968
10°	355905
15°	318617
20°	268123
25°	204641
30°	132982
35°	78862
40°	45571
45°	22824
50°	8494
55°	6614
60°	6184
65°	5604
70°	5578
75°	5507
80°	5430
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	13.2
10°-20°	388.1	31.9
20°-30°	380.8	31.3
30°-40°	191.8	15.8
40°-50°	60.6	5.0
50°-60°	15.7	1.3
60°-70°	11.1	0.9
70°-80°	6.9	0.6
80°-90°	2.4	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°	929.5	76.3
0°-40°	1121.4	92.1
0°-60°	1197.7	98.3
0°-90°	1218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1218.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1768	
5°	1726	161
15°	1404	388
25°	846	381
35°	295	192
45°	74	61
55°	17	16
65°	11	11
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1768.5
2.5°	1757.6
5°	1726.2
7.5°	1669.9
10°	1598.4
12.5°	1506.4
15°	1403.5
17.5°	1284.4
20°	1149.0
22.5°	1002.8
25°	845.8
27.5°	679.0
30°	525.2
32.5°	395.3
35°	294.6
37.5°	217.7
40°	159.2
42.5°	112.6
45°	73.6
47.5°	42.2
50°	24.9
52.5°	18.4
55°	17.3
57.5°	15.2
60°	14.1
62.5°	13.0
65°	10.8
67.5°	9.7
70°	8.7
72.5°	7.6
75°	6.5
77.5°	5.4
80°	4.3
82.5°	3.2
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)