

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: P1301423

Luminaire Tested: P3A17R50W2N902750DE010 E3DL1WH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R50W2N902750DE010 E3DL1WH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

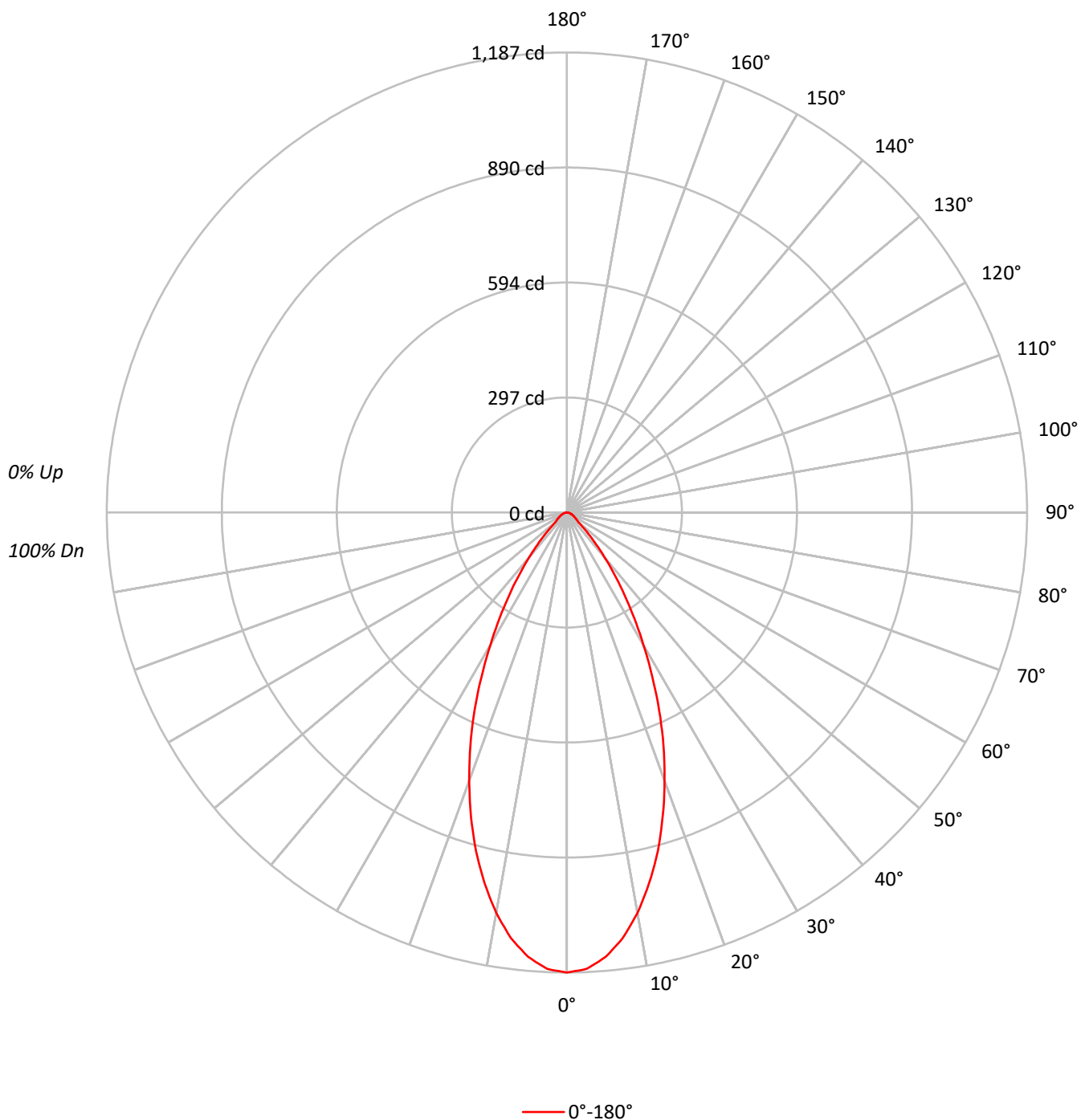
Lumens per Lamp: N/A
Luminaire Lumens: 895.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	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	100		
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79		
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68		
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64		
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56		
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	260308
5°	253312
10°	233574
15°	205427
20°	171865
25°	136290
30°	99990
35°	68743
40°	43682
45°	24406
50°	13236
55°	11125
60°	9561
65°	8821
70°	7758
75°	7202
80°	6061
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	11.9
10°-20°	250.6	28.0
20°-30°	256.3	28.6
30°-40°	162.5	18.2
40°-50°	64.7	7.2
50°-60°	26.2	2.9
60°-70°	16.8	1.9
70°-80°	8.6	1.0
80°-90°	2.6	0.3
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°	613.6	68.6
0°-40°	776.1	86.7
0°-60°	867.0	96.9
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1187	
5°	1151	107
15°	905	251
25°	563	256
35°	257	163
45°	79	65
55°	29	26
65°	17	17
75°	8	9
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1187.1
2.5°	1178.6
5°	1150.8
7.5°	1107.2
10°	1049.0
12.5°	980.0
15°	904.9
17.5°	822.5
20°	736.5
22.5°	650.5
25°	563.3
27.5°	476.1
30°	394.9
32.5°	322.2
35°	256.8
37.5°	201.1
40°	152.6
42.5°	112.7
45°	78.7
47.5°	53.3
50°	38.8
52.5°	32.7
55°	29.1
57.5°	25.4
60°	21.8
62.5°	19.4
65°	17.0
67.5°	14.5
70°	12.1
72.5°	9.7
75°	8.5
77.5°	6.1
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)