

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: P1301409

Luminaire Tested: P3A17R50W2N902750DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301409
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

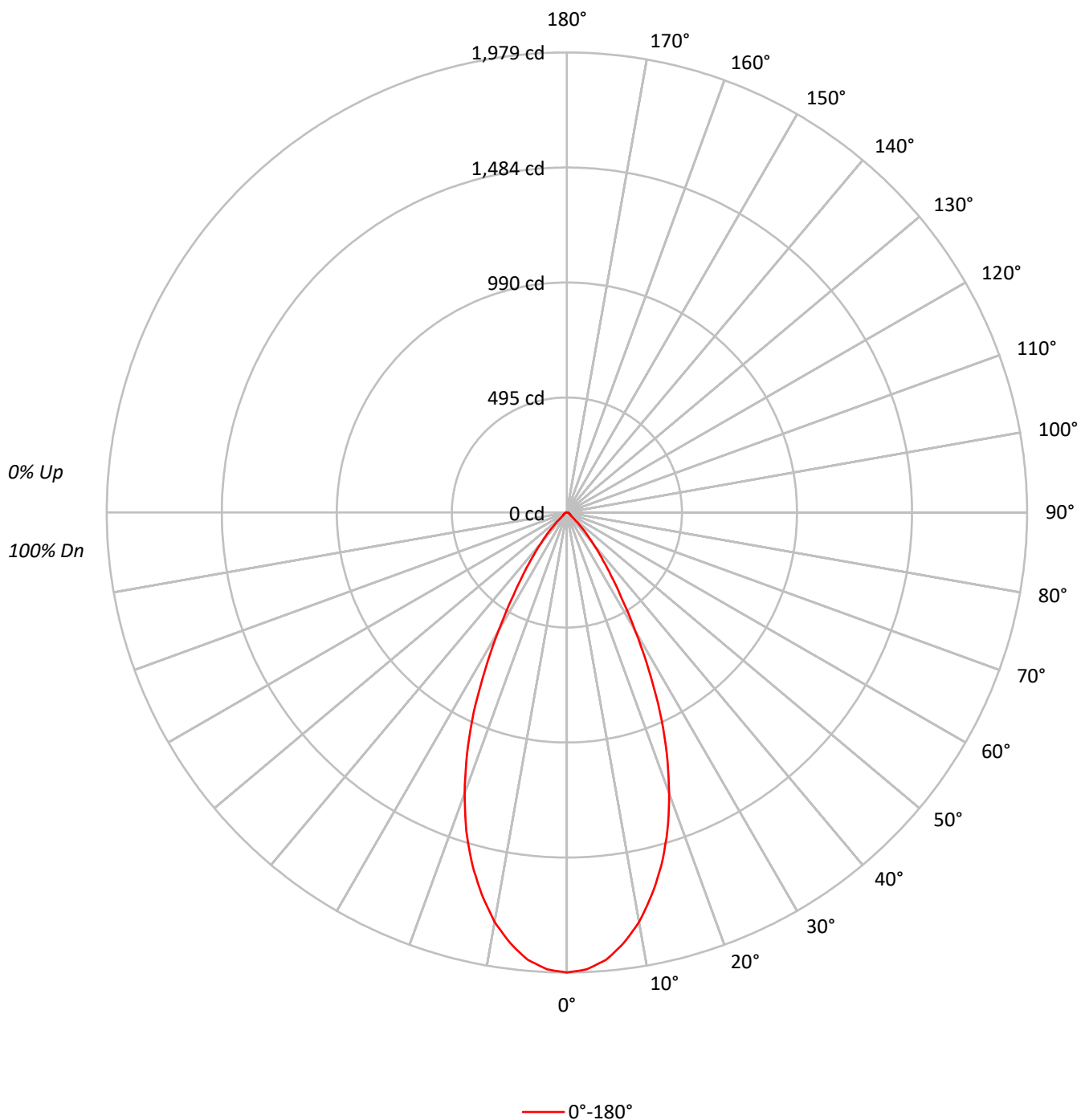
Lumens per Lamp: N/A
Luminaire Lumens: 1363.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1301409

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DL1H_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1301409

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DL1H_4000K

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	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°	433956
5°	425203
10°	398278
15°	356551
20°	300046
25°	229005
30°	148833
35°	88231
40°	50981
45°	25553
50°	9518
55°	7417
60°	6929
65°	6278
70°	6219
75°	6185
80°	6061
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25553 cd/sqm

TEST NUMBER: P1301409

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DL1H_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.7	13.2
10°-20°	434.3	31.9
20°-30°	426.1	31.3
30°-40°	214.7	15.7
40°-50°	67.8	5.0
50°-60°	17.6	1.3
60°-70°	12.4	0.9
70°-80°	7.7	0.6
80°-90°	2.6	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°	1040.2	76.3
0°-40°	1254.8	92.1
0°-60°	1340.3	98.3
0°-90°	1363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1979	
5°	1932	180
15°	1571	434
25°	946	426
35°	330	215
45°	82	68
55°	19	18
65°	12	12
75°	7	8
85°	2	3
90°	0	

TEST NUMBER: P1301409

CATALOG NUMBER: P3A17R50W2N902750DE010 E3DL1H_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1979.0
2.5°	1966.9
5°	1931.7
7.5°	1868.7
10°	1788.7
12.5°	1685.7
15°	1570.6
17.5°	1437.3
20°	1285.8
22.5°	1122.2
25°	946.5
27.5°	759.8
30°	587.8
32.5°	442.3
35°	329.6
37.5°	243.6
40°	178.1
42.5°	126.0
45°	82.4
47.5°	47.3
50°	27.9
52.5°	20.6
55°	19.4
57.5°	17.0
60°	15.8
62.5°	14.5
65°	12.1
67.5°	10.9
70°	9.7
72.5°	8.5
75°	7.3
77.5°	6.1
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)