

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: P1293811

Luminaire Tested: P3A09R50W2N902750DE010 E3DL1GPH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293811
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: P3A09R50W2N902750DE010 E3DL1GPH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

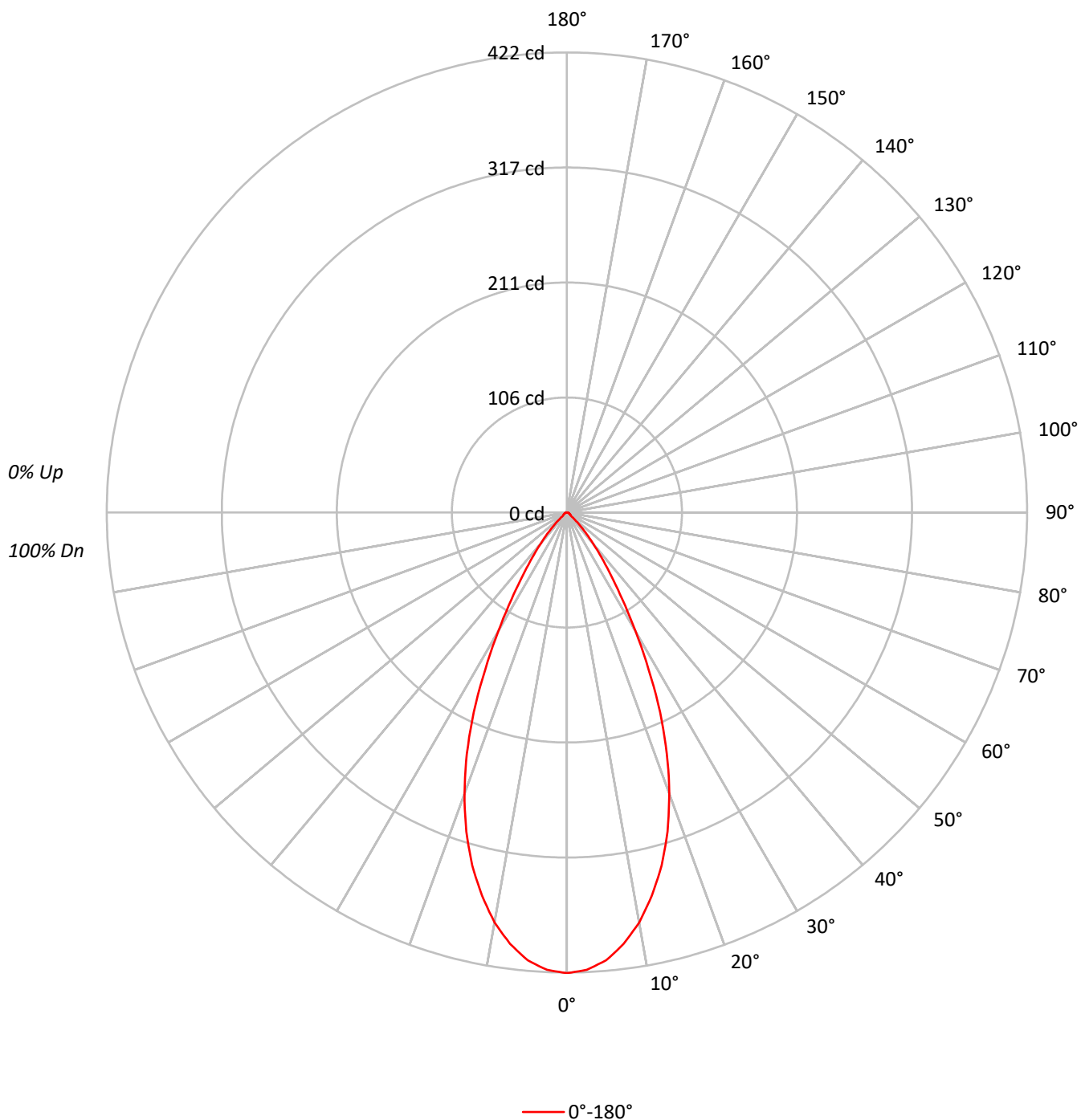
Lumens per Lamp: N/A
Luminaire Lumens: 291.0 lumens
Efficiency: N/A
Efficacy: 32.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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: P1293811

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DL1GPH_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1293811

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DL1GPH_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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°	92646
5°	90777
10°	85035
15°	76118
20°	64056
25°	48898
30°	31777
35°	18846
40°	10878
45°	5458
50°	2047
55°	1567
60°	1491
65°	1349
70°	1346
75°	1356
80°	1263
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5458 cd/sqm

TEST NUMBER: P1293811

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DL1GPH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	13.2
10°-20°	92.7	31.9
20°-30°	91.0	31.3
30°-40°	45.8	15.7
40°-50°	14.5	5.0
50°-60°	3.7	1.3
60°-70°	2.7	0.9
70°-80°	1.6	0.6
80°-90°	0.6	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°	222.1	76.3
0°-40°	267.9	92.1
0°-60°	286.1	98.3
0°-90°	291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	422	
5°	412	38
15°	335	93
25°	202	91
35°	70	46
45°	18	14
55°	4	4
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1293811

CATALOG NUMBER: P3A09R50W2N902750DE010 E3DL1GPH_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	422.5
2.5°	419.9
5°	412.4
7.5°	399.0
10°	381.9
12.5°	359.9
15°	335.3
17.5°	306.9
20°	274.5
22.5°	239.6
25°	202.1
27.5°	162.2
30°	125.5
32.5°	94.4
35°	70.4
37.5°	52.0
40°	38.0
42.5°	26.9
45°	17.6
47.5°	10.1
50°	6.0
52.5°	4.4
55°	4.1
57.5°	3.6
60°	3.4
62.5°	3.1
65°	2.6
67.5°	2.3
70°	2.1
72.5°	1.8
75°	1.6
77.5°	1.3
80°	1.0
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0

(END OF REPORT)