

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: P1297608

Luminaire Tested: P3A13R50W2N902750DE010 E3DL1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297608
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: P3A13R50W2N902750DE010 E3DL1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

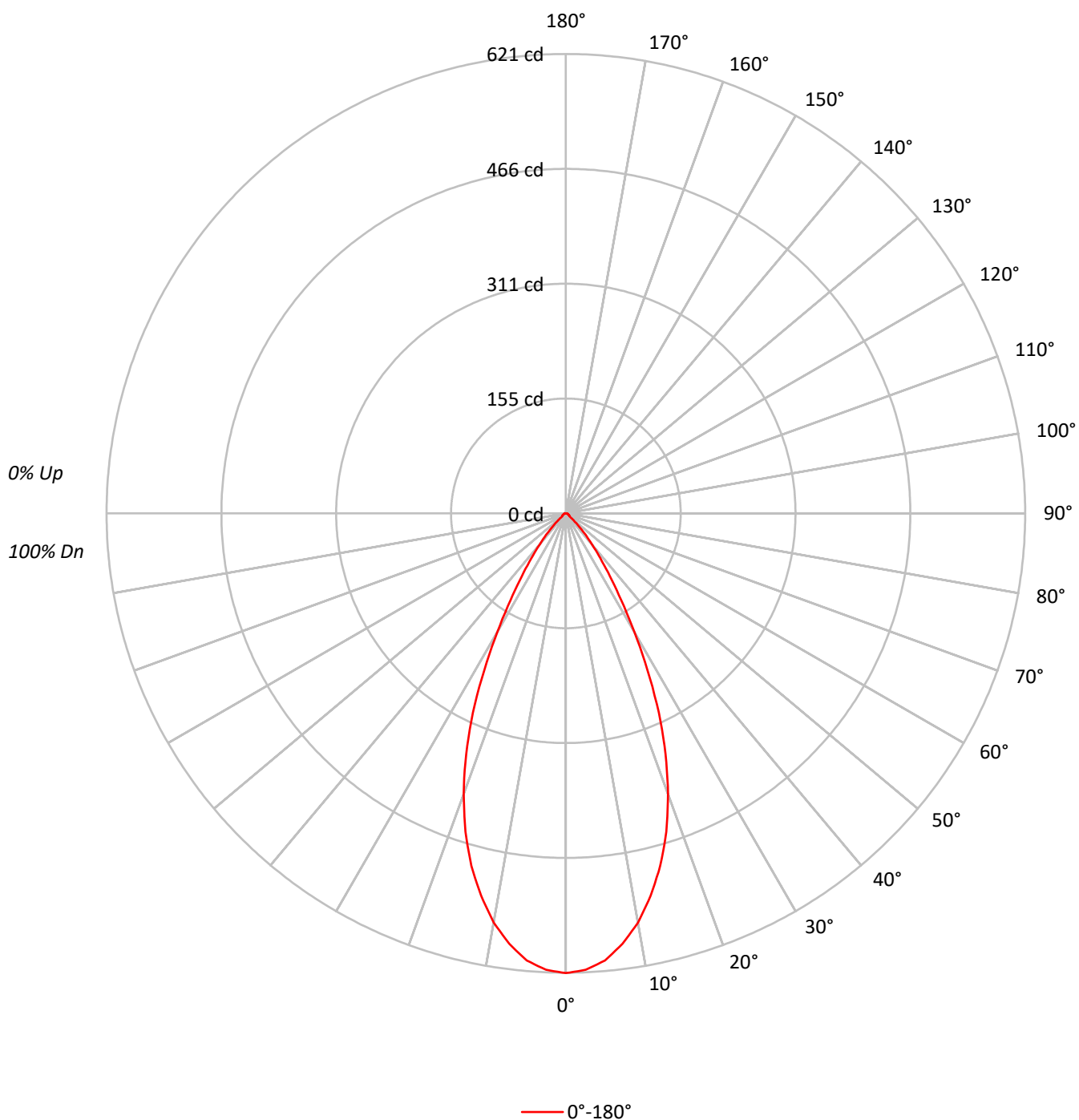
Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1297608

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1GPH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1297608

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1GPH_3500K

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	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°	136261
5°	133524
10°	125070
15°	111964
20°	94228
25°	71907
30°	46741
35°	27706
40°	16001
45°	8032
50°	3002
55°	2332
60°	2149
65°	1972
70°	1923
75°	1949
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8032 cd/sqm

TEST NUMBER: P1297608

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1GPH_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	13.2
10°-20°	136.4	31.9
20°-30°	133.8	31.3
30°-40°	67.4	15.7
40°-50°	21.3	5.0
50°-60°	5.5	1.3
60°-70°	3.9	0.9
70°-80°	2.4	0.6
80°-90°	0.8	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°	326.6	76.3
0°-40°	394.0	92.1
0°-60°	420.9	98.3
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	621	
5°	607	56
15°	493	136
25°	297	134
35°	104	67
45°	26	21
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

TEST NUMBER: P1297608

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1GPH_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	621.4
2.5°	617.6
5°	606.6
7.5°	586.8
10°	561.7
12.5°	529.3
15°	493.2
17.5°	451.3
20°	403.8
22.5°	352.4
25°	297.2
27.5°	238.6
30°	184.6
32.5°	138.9
35°	103.5
37.5°	76.5
40°	55.9
42.5°	39.6
45°	25.9
47.5°	14.8
50°	8.8
52.5°	6.5
55°	6.1
57.5°	5.3
60°	4.9
62.5°	4.6
65°	3.8
67.5°	3.4
70°	3.0
72.5°	2.7
75°	2.3
77.5°	1.9
80°	1.5
82.5°	1.1
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)