

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: P1297577

Luminaire Tested: P3A13R50W2N902750DE010 E3CD1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902750DE010 E3CD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

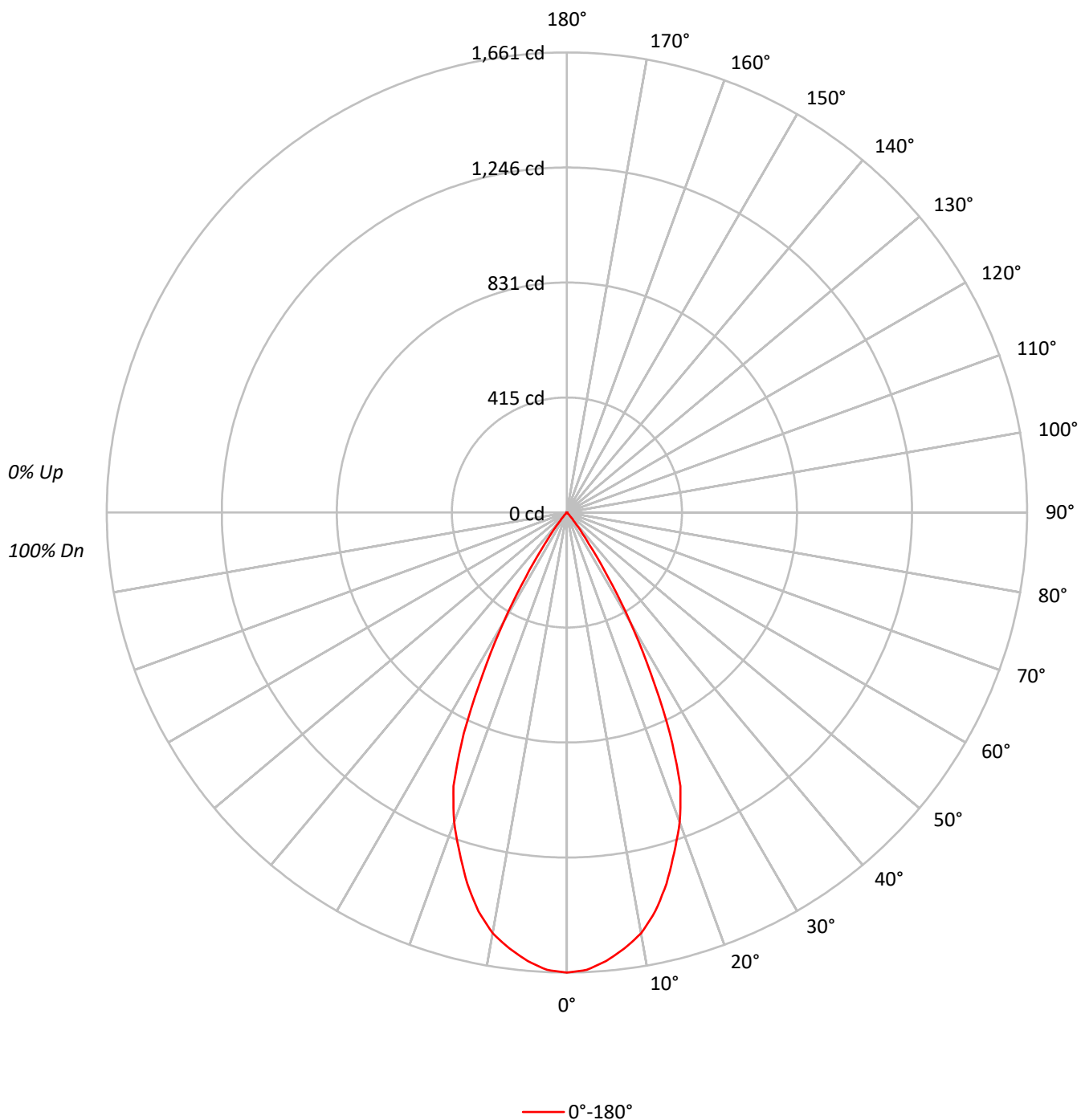
Lumens per Lamp: N/A
Luminaire Lumens: 1046.1 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297577

CATALOG NUMBER: P3A13R50W2N902750DE010 E3CD1MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297577

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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	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364291
5°	357780
10°	343525
15°	315007
20°	277784
25°	212916
30°	115765
35°	37236
40°	8759
45°	1178
50°	1058
55°	1185
60°	1009
65°	1193
70°	962
75°	1271
80°	1010
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 2013 cd/sqm

TEST NUMBER: P1297577

CATALOG NUMBER: P3A13R50W2N902750DE010 E3CD1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	14.6
10°-20°	385.7	36.9
20°-30°	386.3	36.9
30°-40°	108.6	10.4
40°-50°	6.6	0.6
50°-60°	2.5	0.2
60°-70°	2.0	0.2
70°-80°	1.3	0.1
80°-90°	0.5	0.1
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°	924.5	88.4
0°-40°	1033.2	98.8
0°-60°	1042.2	99.6
0°-90°	1046.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1046.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1661	
5°	1625	153
15°	1388	386
25°	880	386
35°	139	109
45°	4	7
55°	3	3
65°	2	2
75°	2	1
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1661.3
2.5°	1652.9
5°	1625.4
7.5°	1587.9
10°	1542.8
12.5°	1474.8
15°	1387.6
17.5°	1287.4
20°	1190.4
22.5°	1069.6
25°	880.0
27.5°	655.2
30°	457.2
32.5°	276.0
35°	139.1
37.5°	65.7
40°	30.6
42.5°	11.5
45°	3.8
47.5°	3.1
50°	3.1
52.5°	3.1
55°	3.1
57.5°	2.3
60°	2.3
62.5°	2.3
65°	2.3
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)