

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: P1298852

Luminaire Tested: P3A13R70W2N902750DE010 E3CD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3CD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

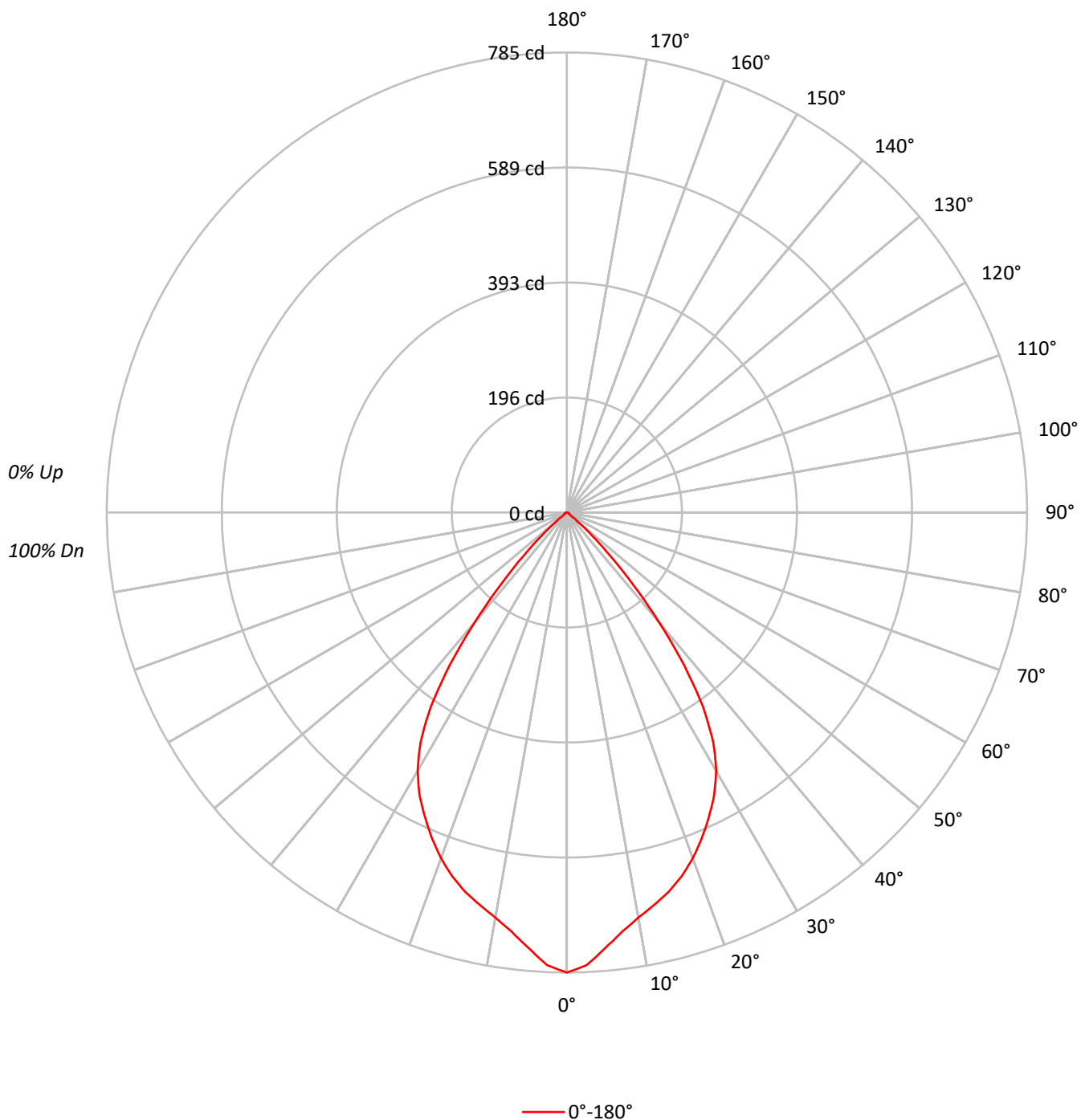
Lumens per Lamp: N/A
Luminaire Lumens: 867.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	0		
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	96	94	93		
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78		
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72		
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53		
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172157
5°	164274
10°	156310
15°	152123
20°	146499
25°	138661
30°	128957
35°	108335
40°	69817
45°	32437
50°	8494
55°	2103
60°	2149
65°	1816
70°	1795
75°	1779
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	8.1
10°-20°	188.3	21.7
20°-30°	263.1	30.3
30°-40°	243.9	28.1
40°-50°	87.4	10.1
50°-60°	7.4	0.9
60°-70°	3.7	0.4
70°-80°	2.4	0.3
80°-90°	1.0	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°	521.2	60.1
0°-40°	765.1	88.2
0°-60°	860.0	99.2
0°-90°	867.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	785	
5°	746	70
15°	670	188
25°	573	263
35°	405	244
45°	105	87
55°	6	7
65°	4	4
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	785.1
2.5°	773.3
5°	746.3
7.5°	721.4
10°	702.0
12.5°	686.0
15°	670.1
17.5°	650.7
20°	627.8
22.5°	601.5
25°	573.1
27.5°	544.0
30°	509.3
32.5°	465.0
35°	404.7
37.5°	327.8
40°	243.9
42.5°	166.3
45°	104.6
47.5°	58.2
50°	24.9
52.5°	8.3
55°	5.5
57.5°	4.9
60°	4.9
62.5°	4.2
65°	3.5
67.5°	3.5
70°	2.8
72.5°	2.8
75°	2.1
77.5°	2.1
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)