

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: P1298849

Luminaire Tested: P3AS13R70W2N902750DE010 E3CD1MMS\_3500K

Issue Date: 1/30/2026

**Test Information**

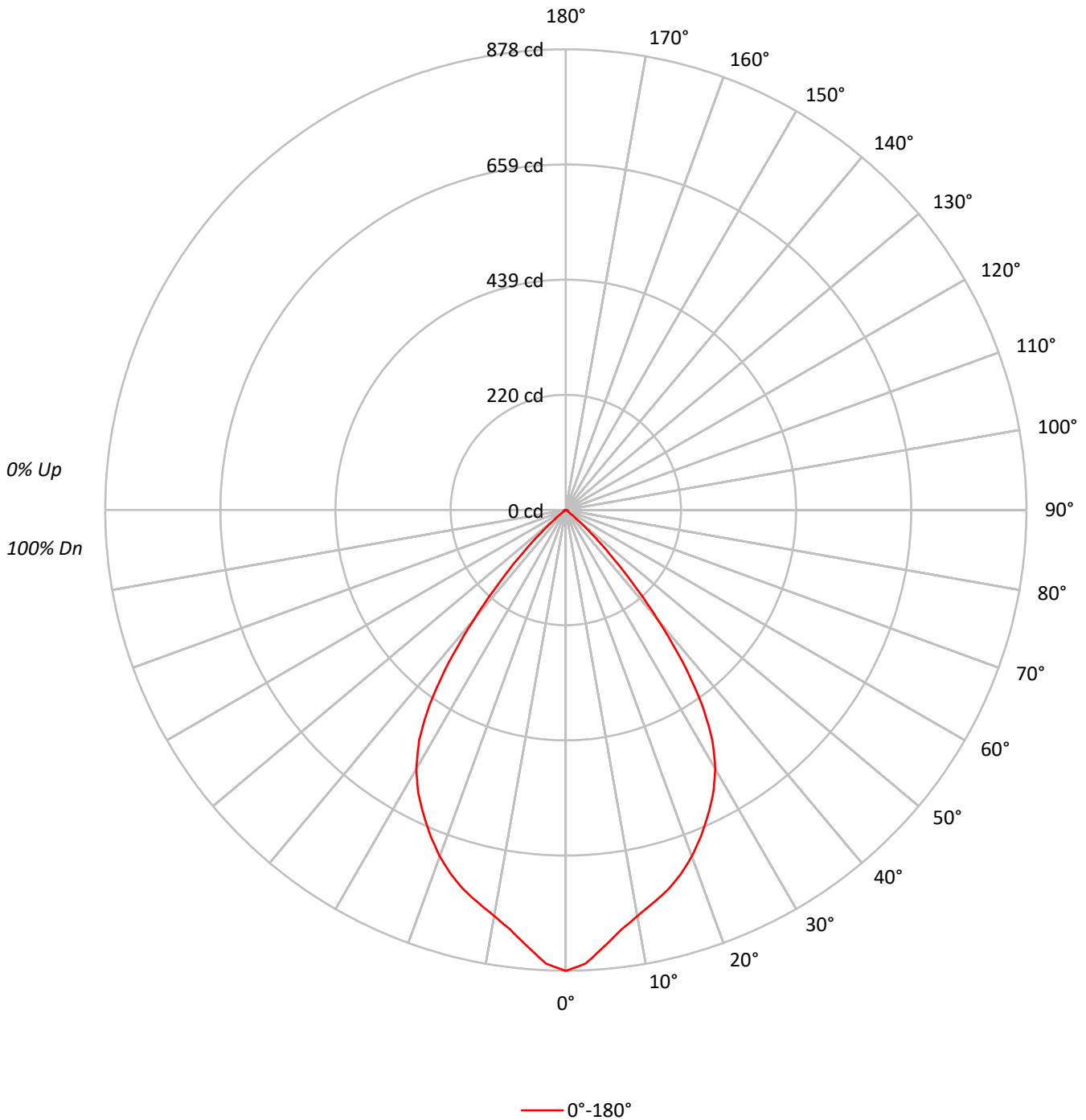
Test Method: LM-79-2019  
Report Number: P1298849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R70W2N902750DE010 E3CD1MMS\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 970.0 lumens  
Efficiency: N/A  
Efficacy: 78.9 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

TEST NUMBER: P1298849  
CATALOG NUMBER: P3AS13R70W2N902750DE010 E3CD1MMS\_3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1298849

CATALOG NUMBER: P3AS13R70W2N902750DE010 E3CD1MMS\_3500K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	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			100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			93
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78			78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72			72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53			53
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46			46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	192616
5°	183799
10°	174880
15°	170194
20°	163908
25°	155138
30°	144275
35°	121211
40°	78118
45°	36314
50°	9518
55°	2370
60°	2368
65°	2024
70°	1988
75°	1949
80°	2020
85°	2013

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 36314 cd/sqm



TEST NUMBER: P1298849

CATALOG NUMBER: P3AS13R70W2N902750DE010 E3CD1MMS\_3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.2	8.1
10°-20°	210.7	21.7
20°-30°	294.3	30.3
30°-40°	272.9	28.1
40°-50°	97.8	10.1
50°-60°	8.3	0.9
60°-70°	4.1	0.4
70°-80°	2.7	0.3
80°-90°	1.1	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°	583.1	60.1
0°-40°	856.0	88.2
0°-60°	962.2	99.2
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	878	
5°	835	78
15°	750	211
25°	641	294
35°	453	273
45°	117	98
55°	6	8
65°	4	4
75°	2	3
85°	1	1
90°	0	



TEST NUMBER: P1298849  
CATALOG NUMBER: P3AS13R70W2N902750DE010 E3CD1MMS\_3500K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	878.4
2.5°	865.2
5°	835.0
7.5°	807.1
10°	785.4
12.5°	767.5
15°	749.7
17.5°	728.0
20°	702.4
22.5°	672.9
25°	641.2
27.5°	608.6
30°	569.8
32.5°	520.2
35°	452.8
37.5°	366.7
40°	272.9
42.5°	186.1
45°	117.1
47.5°	65.1
50°	27.9
52.5°	9.3
55°	6.2
57.5°	5.4
60°	5.4
62.5°	4.7
65°	3.9
67.5°	3.9
70°	3.1
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)