

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: P1302810

Luminaire Tested: P3AS17R70W2N902765DE010 E3D1WMH\_4000K

Issue Date: 1/29/2026

**Test Information**

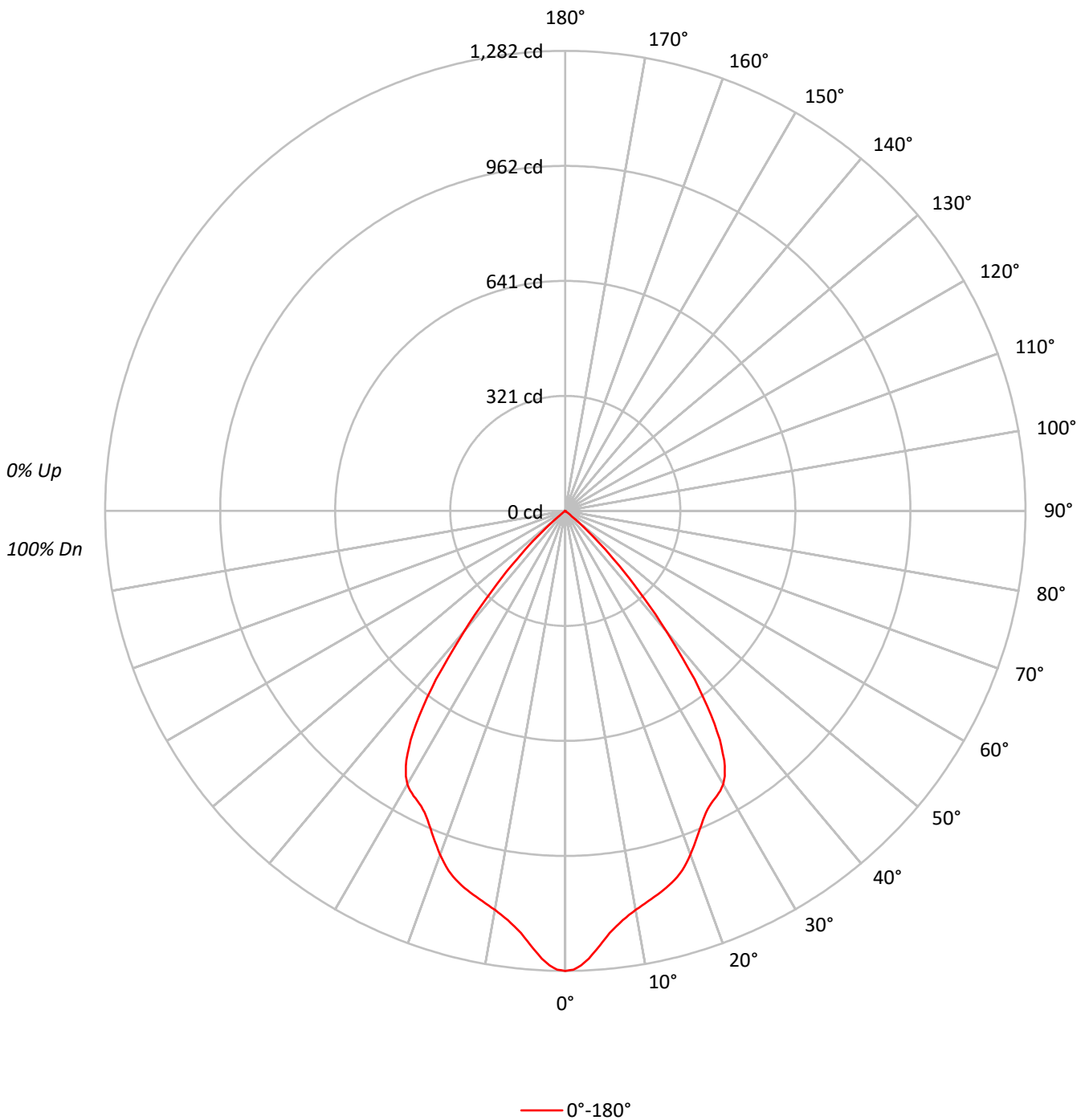
Test Method: LM-79-2019  
Report Number: P1302810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R70W2N902765DE010 E3D1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1446.0 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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: P1302810  
CATALOG NUMBER: P3AS17R70W2N902765DE010 E3D1WMH\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1302810  
 CATALOG NUMBER: P3AS17R70W2N902765DE010 E3D1WMH\_4000K

**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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	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	86	83	80	79			79
4	95	87	81	77	94	86	81	77	84	79	76	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	63	59	68	63	59	67	62	58	66	61	58	57			57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

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

	0°
0°	281162
5°	265110
10°	251387
15°	246857
20°	237951
25°	224311
30°	222718
35°	193943
40°	125464
45°	59293
50°	8290
55°	688
60°	526
65°	623
70°	385
75°	508
80°	758
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 59293 cd/sqm



TEST NUMBER: P1302810

CATALOG NUMBER: P3AS17R70W2N902765DE010 E3D1WMH\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.5	7.8
10°-20°	305.4	21.1
20°-30°	432.0	29.9
30°-40°	434.1	30.0
40°-50°	156.1	10.8
50°-60°	4.2	0.3
60°-70°	1.0	0.1
70°-80°	0.6	0.0
80°-90°	0.1	0.0
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°	849.9	58.8
0°-40°	1284.0	88.8
0°-60°	1444.3	99.9
0°-90°	1446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1282	
5°	1204	112
15°	1087	305
25°	927	432
35°	724	434
45°	191	156
55°	2	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1302810  
CATALOG NUMBER: P3AS17R70W2N902765DE010 E3D1WMH\_4000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1282.2
1°	1278.7
2°	1267.4
3°	1249.6
4°	1227.0
5°	1204.4
6°	1183.0
7°	1166.4
8°	1151.6
9°	1139.7
10°	1129.0
11°	1120.1
12°	1111.8
13°	1103.5
14°	1095.7
15°	1087.4
16°	1077.3
17°	1066.6
18°	1053.6
19°	1037.5
20°	1019.7
21°	1000.1
22°	980.5
23°	961.5
24°	943.1
25°	927.1
26°	915.8
27°	906.9
28°	899.7
29°	891.4
30°	879.6
31°	862.3
32°	838.0
32.5°	824.3
33°	805.9
34°	769.7
35°	724.5
36°	674.7
37°	618.2
37.5°	592.1
38°	556.5
39°	492.9
40°	438.3
42.5°	303.5
45°	191.2



TEST NUMBER: P1302810  
CATALOG NUMBER: P3AS17R70W2N902765DE010 E3D1WMH\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	102.7
50°	24.3
52.5°	3.0
55°	1.8
57.5°	1.8
60°	1.2
62.5°	1.2
65°	1.2
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)