

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: P1302656

Luminaire Tested: P3AS17R70W2N902750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1302656
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: P3AS17R70W2N902750DE010 E3D1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

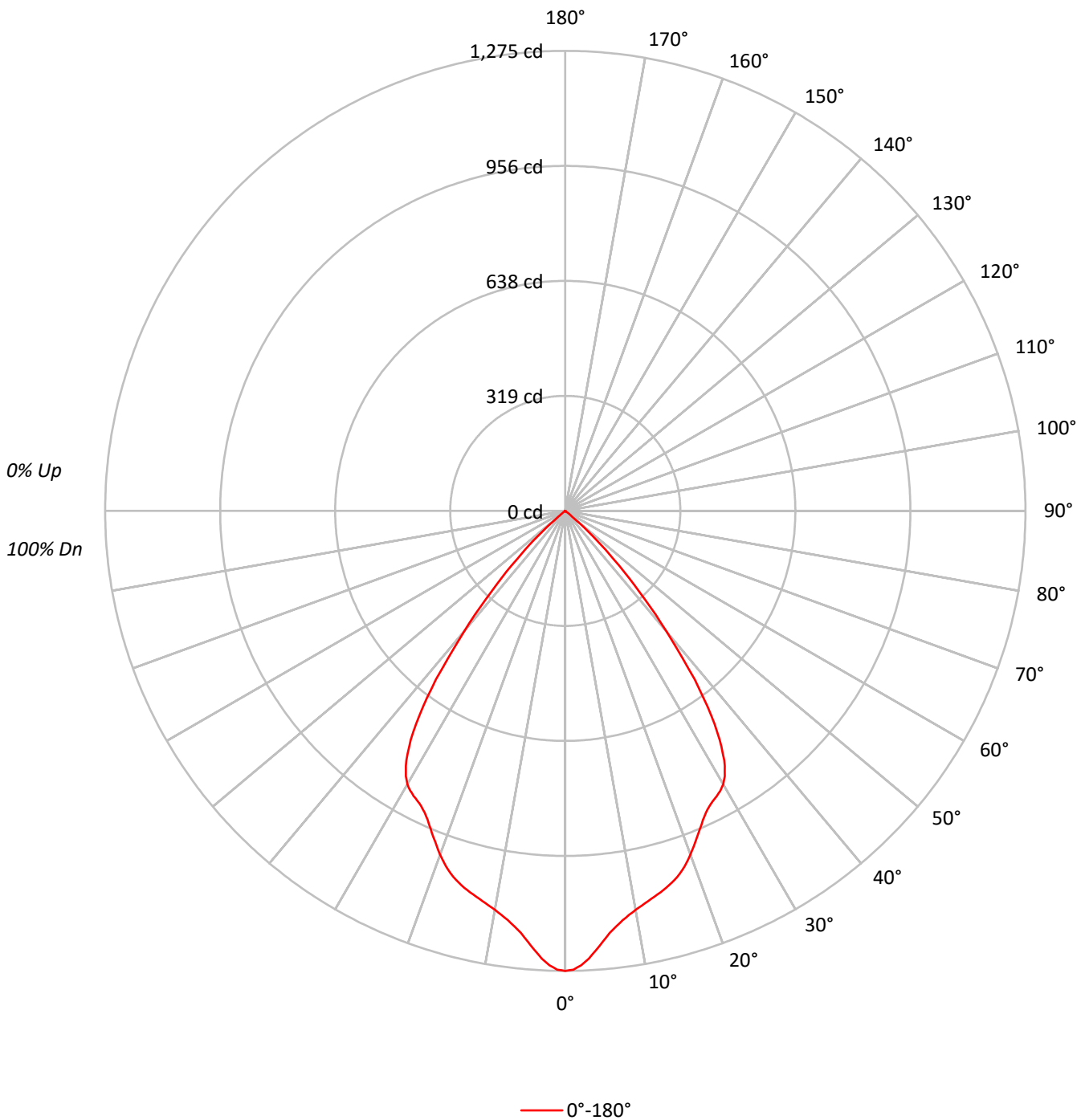
Lumens per Lamp: N/A
Luminaire Lumens: 1438.1 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1302656

CATALOG NUMBER: P3AS17R70W2N902750DE010 E3D1H_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1302656

CATALOG NUMBER: P3AS17R70W2N902750DE010 E3D1H_5000K

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°	279605
5°	263658
10°	249984
15°	245495
20°	236644
25°	223053
30°	221477
35°	192872
40°	124777
45°	58983
50°	8256
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: 58983 cd/sqm



TEST NUMBER: P1302656

CATALOG NUMBER: P3AS17R70W2N902750DE010 E3D1H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	7.8
10°-20°	303.7	21.1
20°-30°	429.6	29.9
30°-40°	431.7	30.0
40°-50°	155.3	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°	845.2	58.8
0°-40°	1276.9	88.8
0°-60°	1436.4	99.9
0°-90°	1438.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1275	
5°	1198	112
15°	1081	304
25°	922	430
35°	720	432
45°	190	155
55°	2	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1302656

CATALOG NUMBER: P3AS17R70W2N902750DE010 E3D1H_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1275.1
1°	1271.6
2°	1260.4
3°	1242.6
4°	1220.2
5°	1197.8
6°	1176.5
7°	1160.0
8°	1145.2
9°	1133.4
10°	1122.7
11°	1113.9
12°	1105.6
13°	1097.3
14°	1089.7
15°	1081.4
16°	1071.4
17°	1060.7
18°	1047.7
19°	1031.8
20°	1014.1
21°	994.6
22°	975.1
23°	956.2
24°	937.9
25°	921.9
26°	910.7
27°	901.9
28°	894.8
29°	886.5
30°	874.7
31°	857.6
32°	833.3
32.5°	819.8
33°	801.5
34°	765.4
35°	720.5
36°	670.9
37°	614.8
37.5°	588.8
38°	553.4
39°	490.2
40°	435.9
42.5°	301.8
45°	190.2



TEST NUMBER: P1302656

CATALOG NUMBER: P3AS17R70W2N902750DE010 E3D1H_5000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	102.2
50°	24.2
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)