

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: P1295221

Luminaire Tested: P3AS09R70W2N902765DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295221
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: P3AS09R70W2N902765DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

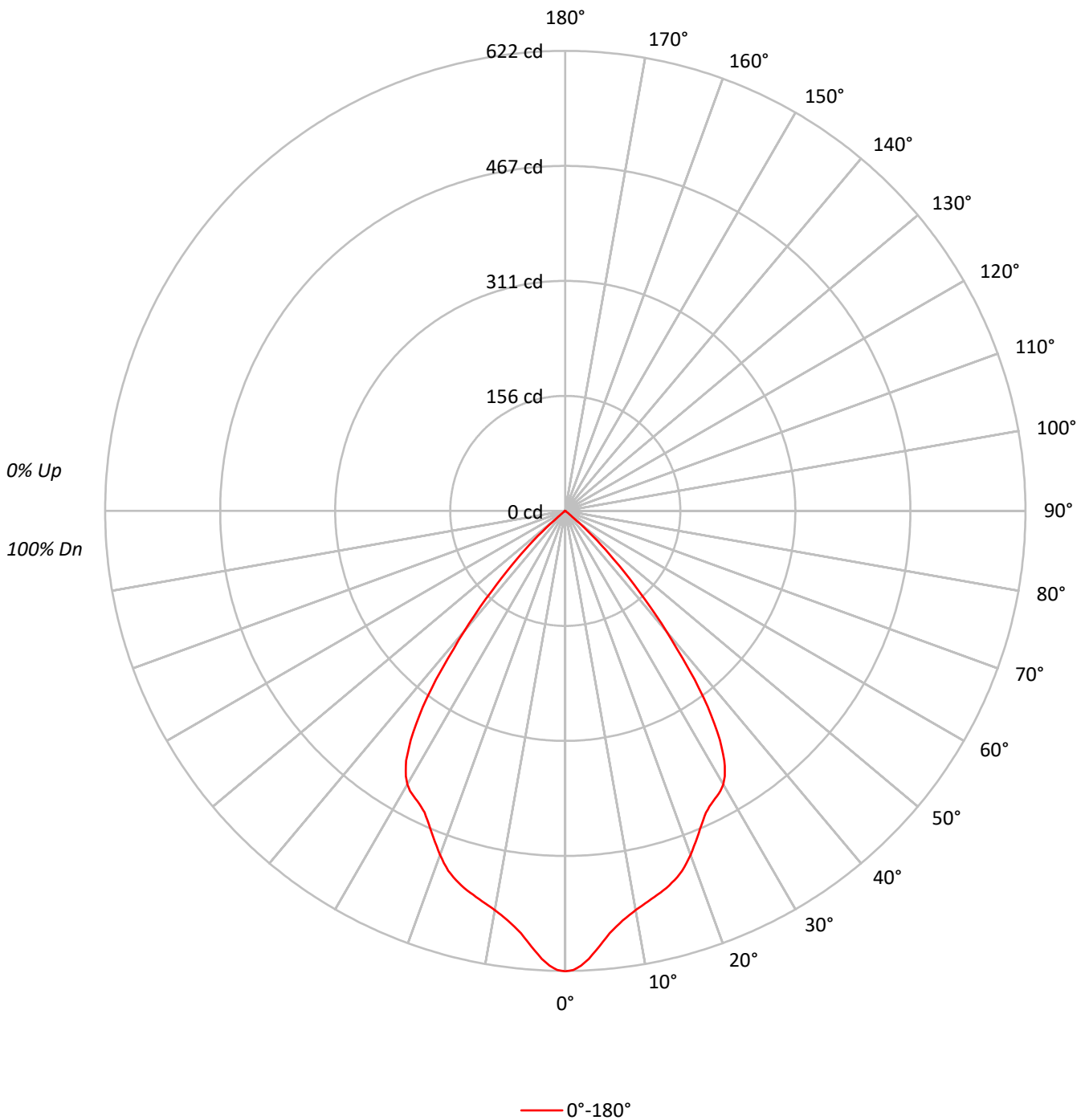
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 702.0 lumens
Efficiency: N/A
Efficacy: 78.0 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): 9
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: P1295221
CATALOG NUMBER: P3AS09R70W2N902765DE010 E3D1WMH_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1295221

CATALOG NUMBER: P3AS09R70W2N902765DE010 E3D1WMH_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			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	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	86	83	80	79			
4	95	87	81	77	94	86	81	77	84	79	76	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	63	59	68	63	59	67	62	58	66	61	58	57			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136502
5°	128703
10°	122042
15°	119842
20°	115510
25°	108901
30°	108118
35°	94174
40°	60914
45°	28778
50°	4025
55°	344
60°	263
65°	311
70°	192
75°	254
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28778 cd/sqm



TEST NUMBER: P1295221

CATALOG NUMBER: P3AS09R70W2N902765DE010 E3D1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	7.8
10°-20°	148.3	21.1
20°-30°	209.7	29.9
30°-40°	210.8	30.0
40°-50°	75.8	10.8
50°-60°	2.0	0.3
60°-70°	0.5	0.1
70°-80°	0.3	0.0
80°-90°	0.0	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°	412.6	58.8
0°-40°	623.4	88.8
0°-60°	701.2	99.9
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	585	55
15°	528	148
25°	450	210
35°	352	211
45°	93	76
55°	1	2
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1295221
CATALOG NUMBER: P3AS09R70W2N902765DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	622.5
1°	620.8
2°	615.3
3°	606.6
4°	595.7
5°	584.7
6°	574.3
7°	566.3
8°	559.1
9°	553.3
10°	548.1
11°	543.8
12°	539.7
13°	535.7
14°	532.0
15°	527.9
16°	523.0
17°	517.8
18°	511.5
19°	503.7
20°	495.0
21°	485.5
22°	476.0
23°	466.8
24°	457.9
25°	450.1
26°	444.6
27°	440.3
28°	436.8
29°	432.8
30°	427.0
31°	418.6
32°	406.8
32.5°	400.2
33°	391.3
34°	373.7
35°	351.8
36°	327.5
37°	300.1
37.5°	287.5
38°	270.2
39°	239.3
40°	212.8
42.5°	147.3
45°	92.8



TEST NUMBER: P1295221
CATALOG NUMBER: P3AS09R70W2N902765DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	49.9
50°	11.8
52.5°	1.4
55°	0.9
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)