

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: P1257979

Luminaire Tested: P3AS17R709040DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257979
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: P3AS17R709040DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

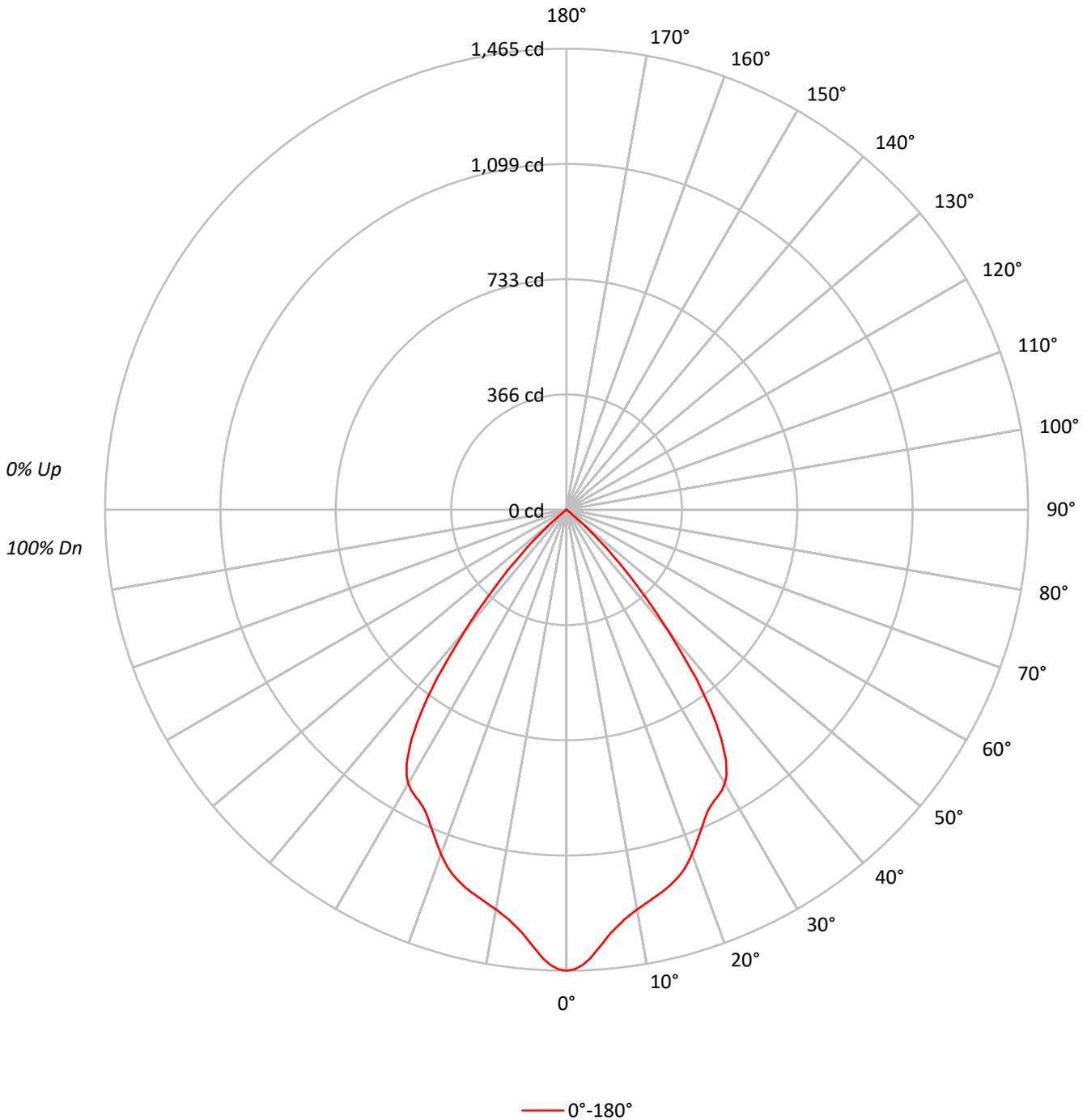
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1652.1 lumens
Efficiency: N/A
Efficacy: 77.9 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): 21.2
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			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°	321224
5°	302883
10°	287191
15°	282022
20°	271857
25°	256249
30°	254444
35°	221596
40°	143326
45°	67759
50°	9484
55°	765
60°	614
65°	726
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	7.8
10°-20°	348.9	21.1
20°-30°	493.6	29.9
30°-40°	496.0	30.0
40°-50°	178.4	10.8
50°-60°	4.8	0.3
60°-70°	1.1	0.1
70°-80°	0.7	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°	970.9	58.8
0°-40°	1466.9	88.8
0°-60°	1650.1	99.9
0°-90°	1652.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1465	
5°	1376	128
15°	1242	349
25°	1059	494
35°	828	496
45°	218	178
55°	2	5
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1464.9
1°	1460.8
2°	1447.9
3°	1427.6
4°	1401.8
5°	1376.0
6°	1351.6
7°	1332.6
8°	1315.6
9°	1302.0
10°	1289.8
11°	1279.7
12°	1270.2
13°	1260.7
14°	1251.8
15°	1242.3
16°	1230.8
17°	1218.6
18°	1203.7
19°	1185.3
20°	1165.0
21°	1142.6
22°	1120.2
23°	1098.5
24°	1077.5
25°	1059.1
26°	1046.2
27°	1036.1
28°	1027.9
29°	1018.4
30°	1004.9
31°	985.2
32°	957.4
32.5°	941.8
33°	920.7
34°	879.3
35°	827.8
36°	770.8
37°	706.3
37.5°	676.5
38°	635.8
39°	563.2
40°	500.7
42.5°	346.7
45°	218.5



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	117.4
50°	27.8
52.5°	3.4
55°	2.0
57.5°	2.0
60°	1.4
62.5°	1.4
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)