

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: P1270047

Luminaire Tested: P3AS13R709740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270047
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: P3AS13R709740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

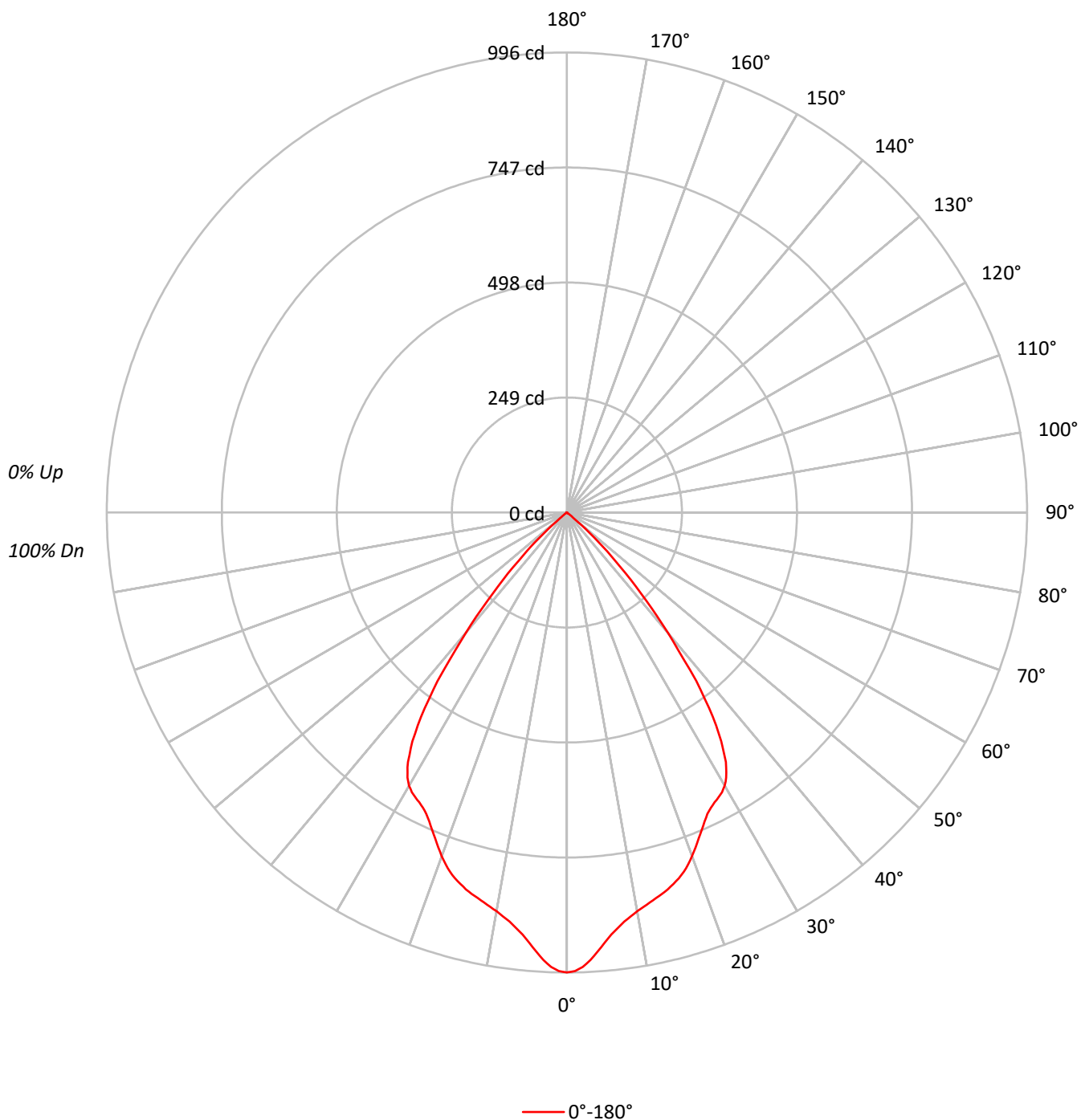
Lumens per Lamp: N/A
Luminaire Lumens: 1123.1 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	218360
5°	205899
10°	195231
15°	191715
20°	184793
25°	174204
30°	172963
35°	150630
40°	97440
45°	46051
50°	6448
55°	535
60°	395
65°	467
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46051 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	7.8
10°-20°	237.2	21.1
20°-30°	335.5	29.9
30°-40°	337.2	30.0
40°-50°	121.3	10.8
50°-60°	3.3	0.3
60°-70°	0.7	0.1
70°-80°	0.5	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°	660.0	58.8
0°-40°	997.2	88.8
0°-60°	1121.7	99.9
0°-90°	1123.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	996	
5°	935	87
15°	844	237
25°	720	336
35°	563	337
45°	148	121
55°	1	3
65°	1	1
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	995.8
1°	993.0
2°	984.3
3°	970.4
4°	952.9
5°	935.4
6°	918.8
7°	905.9
8°	894.3
9°	885.1
10°	876.8
11°	869.9
12°	863.4
13°	857.0
14°	851.0
15°	844.5
16°	836.7
17°	828.4
18°	818.2
19°	805.8
20°	791.9
21°	776.7
22°	761.5
23°	746.7
24°	732.4
25°	720.0
26°	711.2
27°	704.3
28°	698.8
29°	692.3
30°	683.1
31°	669.7
32°	650.8
32.5°	640.2
33°	625.9
34°	597.8
35°	562.7
36°	524.0
37°	480.1
37.5°	459.8
38°	432.2
39°	382.8
40°	340.4
42.5°	235.7
45°	148.5

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	79.8
50°	18.9
52.5°	2.3
55°	1.4
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)