

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: P1272518

Luminaire Tested: P3AS17R709827DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272518
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: P3AS17R709827DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

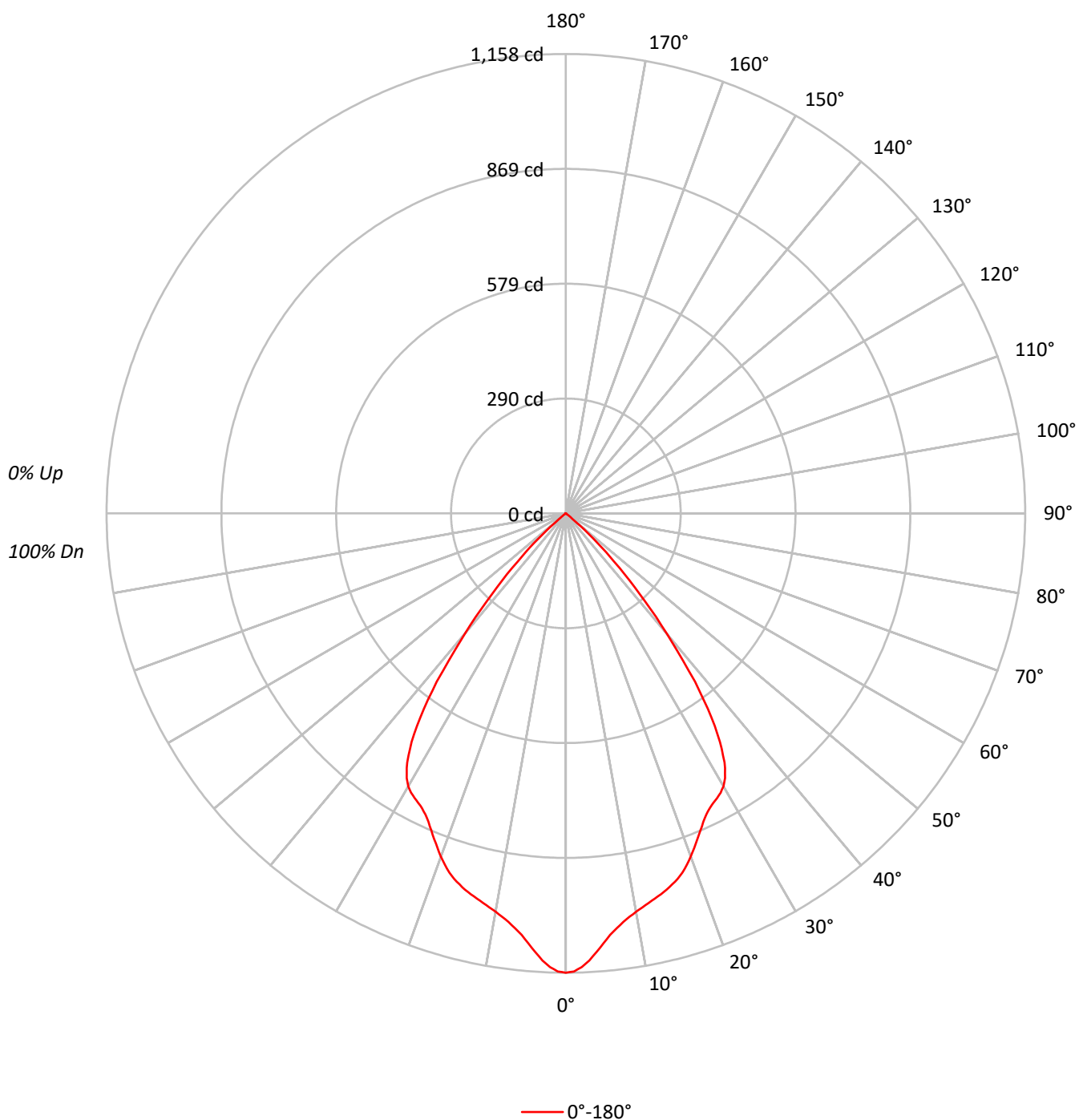
Lumens per Lamp: N/A
Luminaire Lumens: 1306.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253949
5°	239445
10°	227050
15°	222952
20°	214919
25°	202584
30°	201145
35°	175178
40°	113327
45°	53556
50°	7505
55°	612
60°	482
65°	571
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53556 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	7.8
10°-20°	275.8	21.1
20°-30°	390.2	29.9
30°-40°	392.1	30.0
40°-50°	141.0	10.8
50°-60°	3.8	0.3
60°-70°	0.9	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°	767.6	58.8
0°-40°	1159.7	88.8
0°-60°	1304.5	99.9
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1158	
5°	1088	102
15°	982	276
25°	837	390
35°	654	392
45°	173	141
55°	2	4
65°	1	1
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1158.1
1°	1154.9
2°	1144.7
3°	1128.6
4°	1108.2
5°	1087.8
6°	1068.5
7°	1053.5
8°	1040.1
9°	1029.3
10°	1019.7
11°	1011.6
12°	1004.1
13°	996.6
14°	989.6
15°	982.1
16°	973.0
17°	963.4
18°	951.6
19°	937.1
20°	921.0
21°	903.3
22°	885.6
23°	868.4
24°	851.8
25°	837.3
26°	827.1
27°	819.1
28°	812.6
29°	805.1
30°	794.4
31°	778.8
32°	756.9
32.5°	744.5
33°	727.9
34°	695.2
35°	654.4
36°	609.3
37°	558.4
37.5°	534.8
38°	502.6
39°	445.2
40°	395.9
42.5°	274.1
45°	172.7

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	92.8
50°	22.0
52.5°	2.7
55°	1.6
57.5°	1.6
60°	1.1
62.5°	1.1
65°	1.1
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)