

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: P1248289

Luminaire Tested: P3AS02R709027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248289
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: P3AS02R709027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

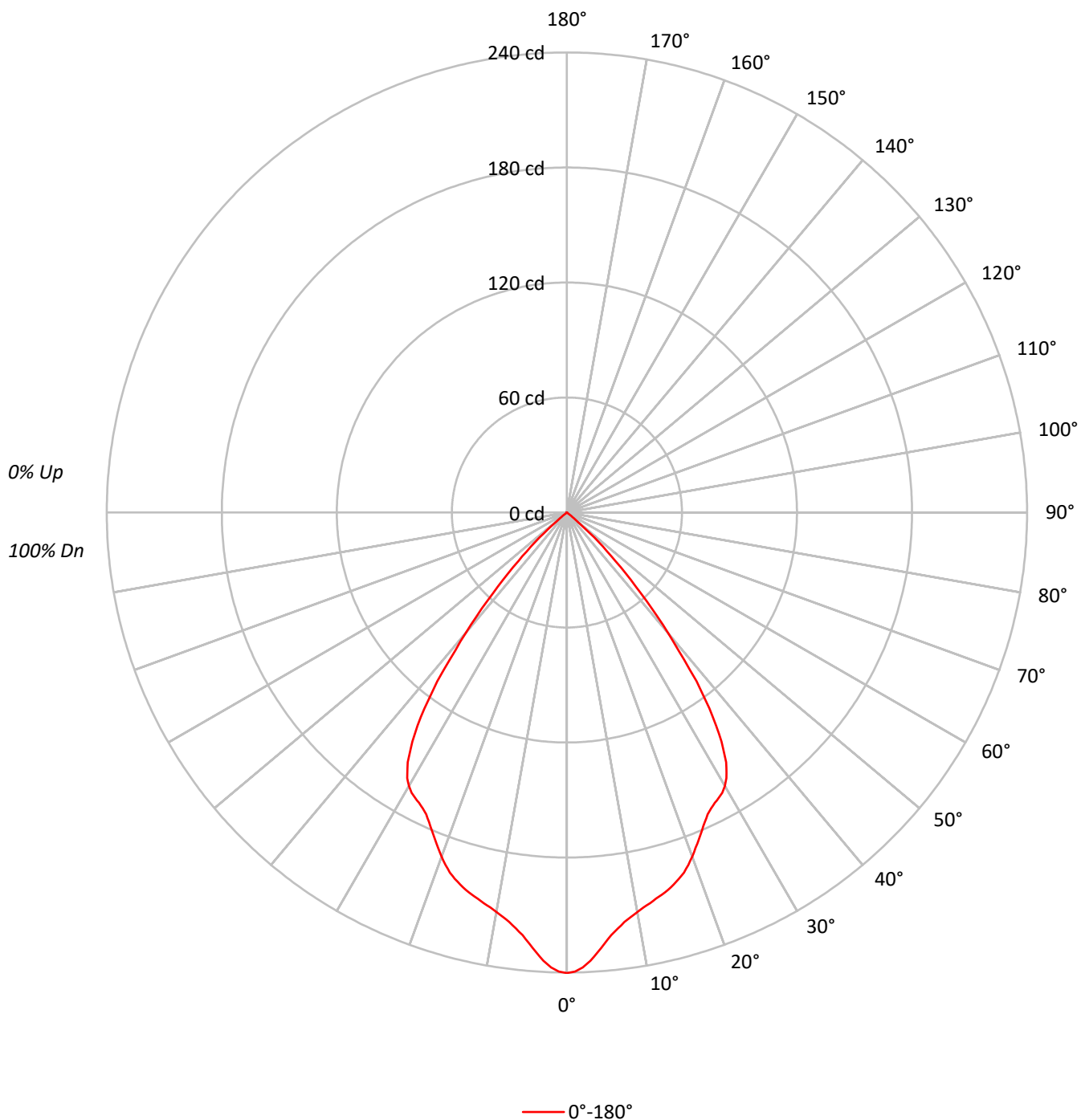
Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	82	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°	52693
5°	49681
10°	47116
15°	46266
20°	44594
25°	42027
30°	41728
35°	36353
40°	23501
45°	11102
50°	1569
55°	115
60°	88
65°	104
70°	64
75°	85
80°	126
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	7.8
10°-20°	57.2	21.1
20°-30°	81.0	29.9
30°-40°	81.4	30.0
40°-50°	29.3	10.8
50°-60°	0.8	0.3
60°-70°	0.2	0.1
70°-80°	0.1	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°	159.3	58.8
0°-40°	240.6	88.8
0°-60°	270.7	99.9
0°-90°	271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	240	
5°	226	21
15°	204	57
25°	174	81
35°	136	81
45°	36	29
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	240.3
1°	239.6
2°	237.5
3°	234.2
4°	230.0
5°	225.7
6°	221.7
7°	218.6
8°	215.8
9°	213.6
10°	211.6
11°	209.9
12°	208.4
13°	206.8
14°	205.4
15°	203.8
16°	201.9
17°	199.9
18°	197.5
19°	194.4
20°	191.1
21°	187.4
22°	183.8
23°	180.2
24°	176.8
25°	173.7
26°	171.6
27°	170.0
28°	168.6
29°	167.1
30°	164.8
31°	161.6
32°	157.0
32.5°	154.5
33°	151.0
34°	144.2
35°	135.8
36°	126.4
37°	115.9
37.5°	111.0
38°	104.3
39°	92.4
40°	82.1
42.5°	56.9
45°	35.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	19.3
50°	4.6
52.5°	0.6
55°	0.3
57.5°	0.3
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.1
70°	0.1
72.5°	0.1
75°	0.1
77.5°	0.1
80°	0.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)