

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: P1276543

Luminaire Tested: P3AS17R509835DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509835DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

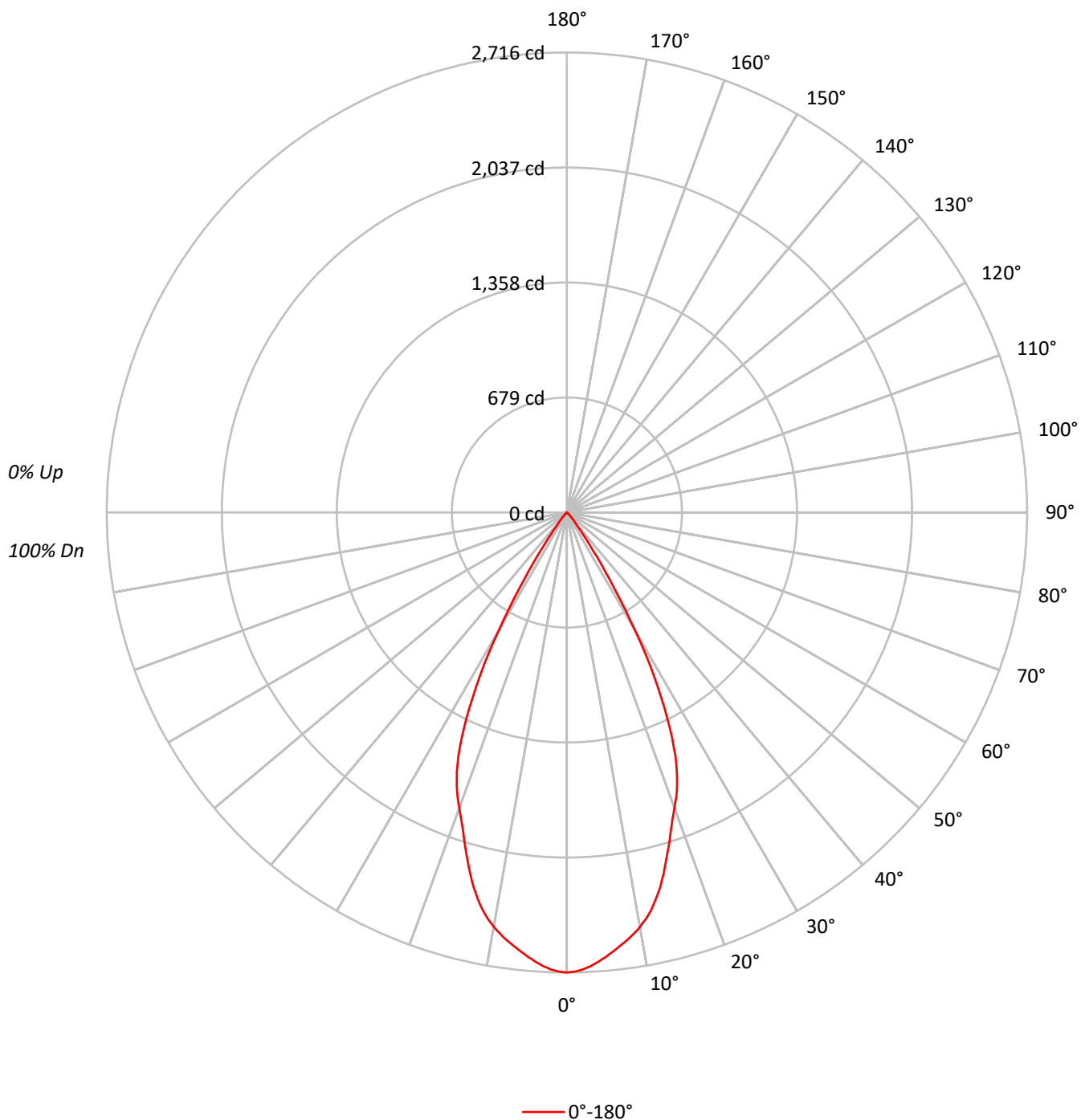
Lumens per Lamp: N/A
Luminaire Lumens: 1704.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80		
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68		
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	595479
5°	579615
10°	553118
15°	500752
20°	433221
25°	355351
30°	204133
35°	63416
40°	17032
45°	5954
50°	1433
55°	459
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	14.5
10°-20°	611.2	35.9
20°-30°	642.4	37.7
30°-40°	183.8	10.8
40°-50°	18.0	1.1
50°-60°	1.5	0.1
60°-70°	0.5	0.0
70°-80°	0.0	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°	1500.2	88.0
0°-40°	1684.0	98.8
0°-60°	1703.5	100.0
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2716	
5°	2633	247
15°	2206	611
25°	1469	642
35°	237	184
45°	19	18
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2715.6
1°	2711.4
2°	2699.4
3°	2681.9
4°	2658.5
5°	2633.2
6°	2606.2
7°	2577.3
8°	2550.3
9°	2519.0
10°	2484.1
11°	2443.9
12°	2397.6
13°	2339.9
14°	2277.3
15°	2205.8
16°	2130.0
17°	2056.7
18°	1981.5
19°	1915.4
20°	1856.5
21°	1800.0
22°	1735.7
23°	1661.7
24°	1575.1
25°	1468.7
26°	1353.3
27°	1224.6
28°	1096.6
29°	958.3
30°	806.2
31°	663.7
32°	532.7
32.5°	475.5
33°	417.8
34°	320.4
35°	236.9
36°	173.7
37°	129.3
37.5°	111.8
38°	96.8
39°	75.1
40°	59.5
42.5°	33.7
45°	19.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.8
50°	4.2
52.5°	1.8
55°	1.2
57.5°	1.2
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)