

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: P1246885

Luminaire Tested: P3A13R309024DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309024DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

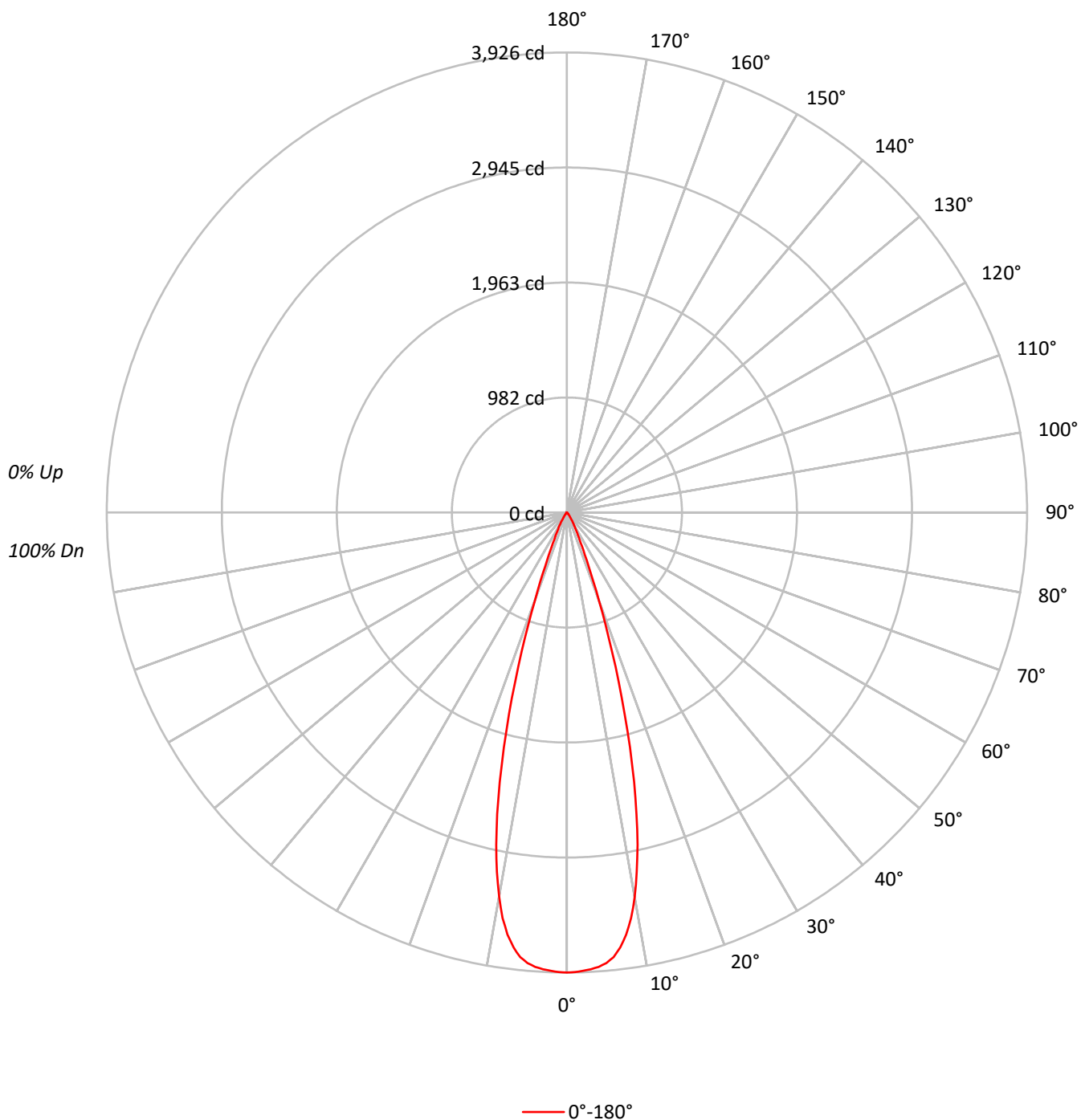
Lumens per Lamp: N/A
Luminaire Lumens: 1081.9 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	86
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	860874
5°	849635
10°	741825
15°	471512
20°	186823
25°	62399
30°	29042
35°	13144
40°	5038
45°	2481
50°	716
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	32.6
10°-20°	547.3	50.6
20°-30°	141.1	13.0
30°-40°	33.1	3.1
40°-50°	6.5	0.6
50°-60°	0.7	0.1
60°-70°	0.3	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°	1041.3	96.2
0°-40°	1074.4	99.3
0°-60°	1081.6	100.0
0°-90°	1081.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1081.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3926	
5°	3860	353
15°	2077	547
25°	258	141
35°	49	33
45°	8	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3925.9
1°	3923.0
2°	3913.7
3°	3903.2
4°	3887.7
5°	3859.9
6°	3815.0
7°	3740.2
8°	3638.2
9°	3505.0
10°	3331.6
11°	3125.3
12°	2900.2
13°	2641.1
14°	2369.7
15°	2077.0
16°	1790.1
17°	1513.7
18°	1248.7
19°	1005.5
20°	800.6
21°	630.0
22°	495.6
23°	392.3
24°	314.2
25°	257.9
26°	215.0
27°	182.7
28°	157.9
29°	135.2
30°	114.7
32.5°	72.2
35°	49.1
37.5°	30.7
40°	17.6
42.5°	11.8
45°	8.0
47.5°	4.6
50°	2.1
52.5°	0.8
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
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)