

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: P1265170

Luminaire Tested: P3A13R509730DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265170
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: P3A13R509730DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

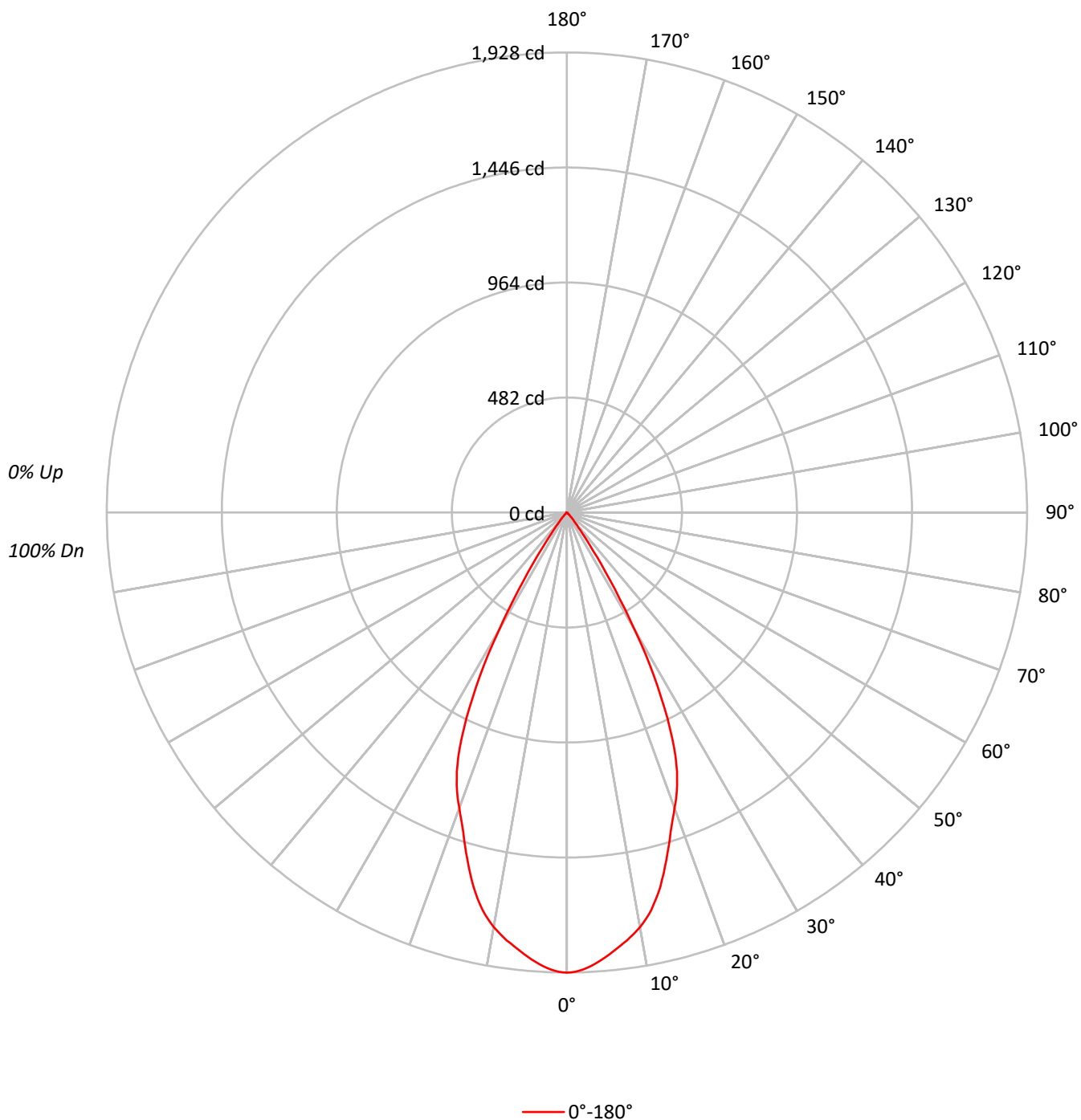
Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422839
5°	411577
10°	392778
15°	355575
20°	307630
25°	252329
30°	144959
35°	45026
40°	12108
45°	4249
50°	1023
55°	344
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	14.5
10°-20°	434.0	35.9
20°-30°	456.2	37.7
30°-40°	130.6	10.8
40°-50°	12.8	1.1
50°-60°	1.1	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°	1065.3	88.0
0°-40°	1195.8	98.8
0°-60°	1209.7	100.0
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1928	
5°	1870	175
15°	1566	434
25°	1043	456
35°	168	131
45°	14	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1928.3
1°	1925.3
2°	1916.8
3°	1904.4
4°	1887.8
5°	1869.8
6°	1850.6
7°	1830.1
8°	1810.9
9°	1788.7
10°	1764.0
11°	1735.4
12°	1702.5
13°	1661.5
14°	1617.1
15°	1566.3
16°	1512.5
17°	1460.4
18°	1407.1
19°	1360.1
20°	1318.3
21°	1278.2
22°	1232.5
23°	1180.0
24°	1118.5
25°	1042.9
26°	961.0
27°	869.6
28°	778.7
29°	680.5
30°	572.5
31°	471.3
32°	378.2
32.5°	337.7
33°	296.7
34°	227.5
35°	168.2
36°	123.4
37°	91.8
37.5°	79.4
38°	68.7
39°	53.4
40°	42.3
42.5°	23.9
45°	13.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.7
50°	3.0
52.5°	1.3
55°	0.9
57.5°	0.9
60°	0.4
62.5°	0.4
65°	0.4
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)