

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: P1296984

Luminaire Tested: P3A13R40W2N902750DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R40W2N902750DE010 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

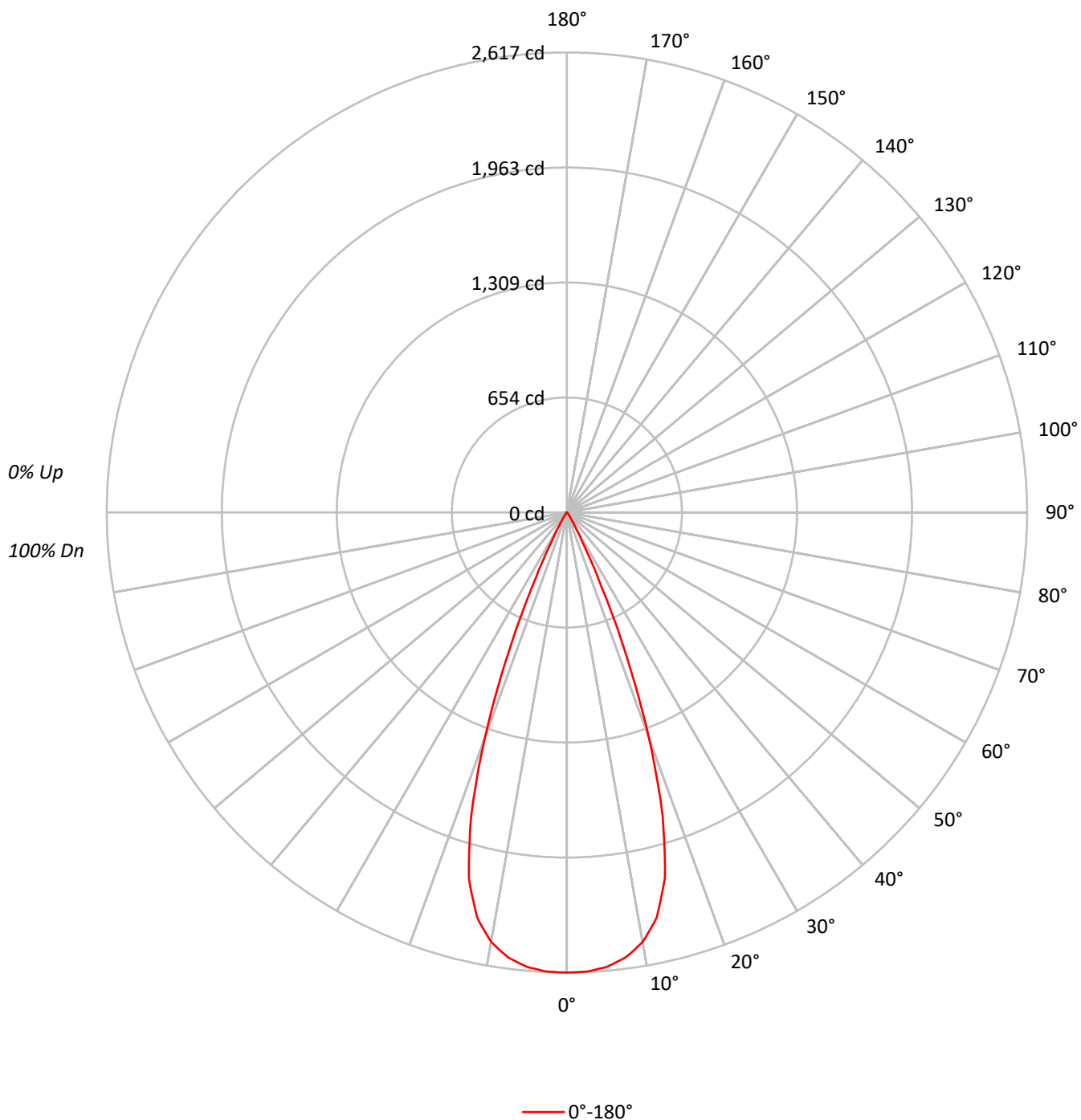
Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98		96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94		92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94	92	90		89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	86		85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83		82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80		79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	79	77		76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75		73
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72		71
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75	72	70		69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573901
5°	571163
10°	552539
15°	488856
20°	318948
25°	112990
30°	23953
35°	7897
40°	2891
45°	961
50°	785
55°	879
60°	702
65°	830
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 1344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.1	22.4
10°-20°	568.6	52.2
20°-30°	246.7	22.6
30°-40°	22.7	2.1
40°-50°	3.2	0.3
50°-60°	2.0	0.2
60°-70°	1.5	0.1
70°-80°	0.8	0.1
80°-90°	0.3	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°	1059.5	97.2
0°-40°	1082.2	99.3
0°-60°	1087.4	99.8
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2617	
5°	2595	244
15°	2153	569
25°	467	247
35°	30	23
45°	3	3
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2617.2
2.5°	2614.1
5°	2594.8
7.5°	2553.6
10°	2481.5
12.5°	2359.7
15°	2153.4
17.5°	1811.3
20°	1366.8
22.5°	887.4
25°	467.0
27.5°	200.9
30°	94.6
32.5°	51.2
35°	29.5
37.5°	17.8
40°	10.1
42.5°	5.4
45°	3.1
47.5°	2.3
50°	2.3
52.5°	2.3
55°	2.3
57.5°	2.3
60°	1.6
62.5°	1.6
65°	1.6
67.5°	1.6
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)