

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: P1295972

Luminaire Tested: P3A13R25W2N902750DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25W2N902750DE010 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

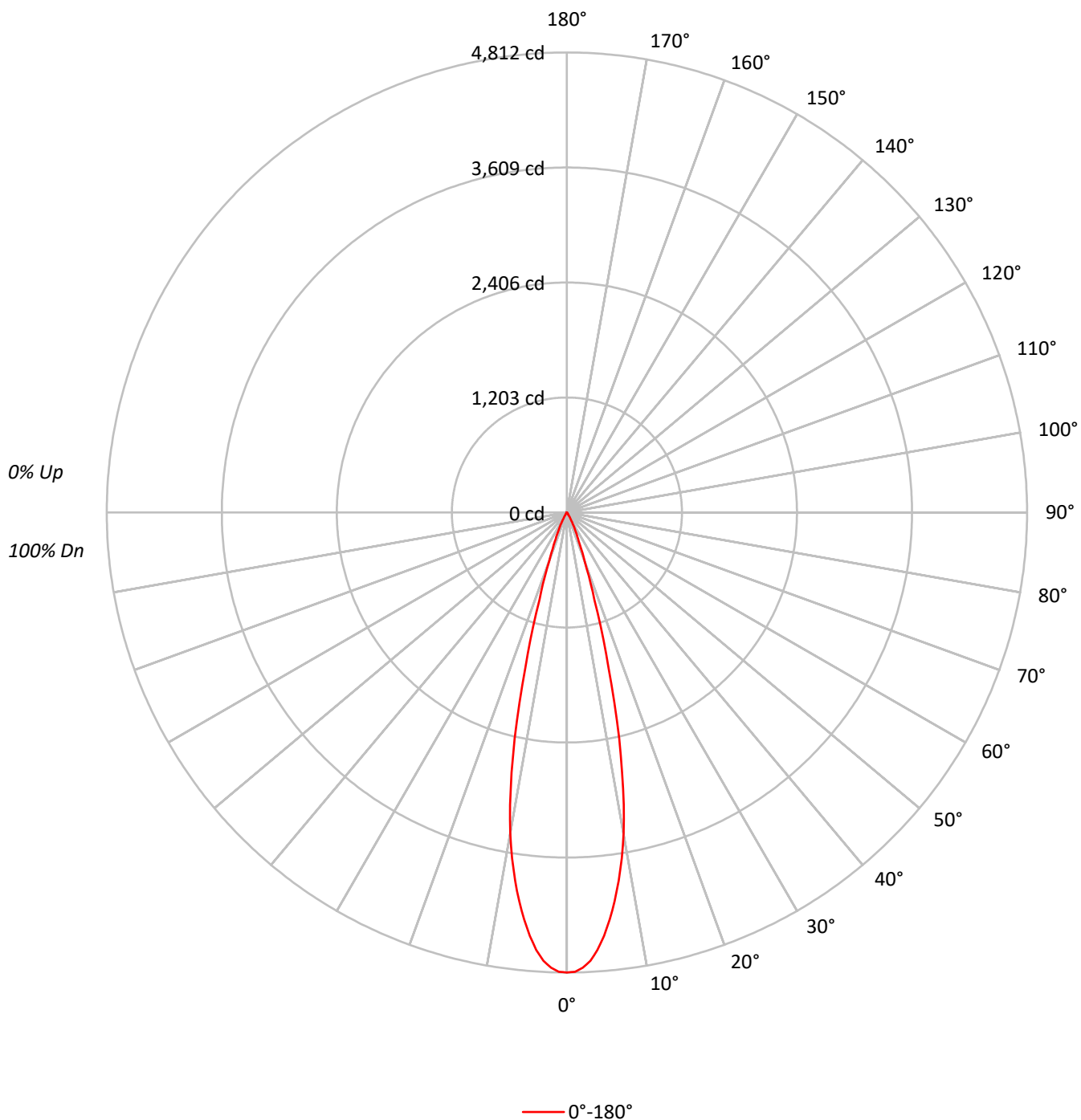
Lumens per Lamp: N/A
Luminaire Lumens: 987.1 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85	84	84
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	83	83	82	82
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	81	81	80	80
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79	78	78
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1055244
5°	978712
10°	759015
15°	380592
20°	125031
25°	49721
30°	18661
35°	5407
40°	2433
45°	961
50°	785
55°	612
60°	702
65°	830
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 1010 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.1	39.6
10°-20°	466.6	47.3
20°-30°	105.2	10.7
30°-40°	17.1	1.7
40°-50°	3.1	0.3
50°-60°	1.7	0.2
60°-70°	1.5	0.2
70°-80°	0.8	0.1
80°-90°	0.1	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°	962.9	97.5
0°-40°	979.9	99.3
0°-60°	984.7	99.8
0°-90°	987.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4812	
5°	4446	391
15°	1676	467
25°	206	105
35°	20	17
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°	4812.3
1°	4804.6
2°	4765.8
3°	4694.4
4°	4586.7
5°	4446.3
6°	4278.8
7°	4097.4
8°	3889.5
9°	3662.3
10°	3408.8
11°	3116.4
12°	2779.9
13°	2427.9
14°	2050.2
15°	1676.5
17.5°	955.3
20°	535.8
22.5°	323.4
25°	205.5
27.5°	126.4
30°	73.7
32.5°	38.8
35°	20.2
37.5°	13.2
40°	8.5
42.5°	5.4
45°	3.1
47.5°	2.3
50°	2.3
52.5°	2.3
55°	1.6
57.5°	1.6
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°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)