

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: P1296324

Luminaire Tested: P3A13R30W2N902750DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902750DE010 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

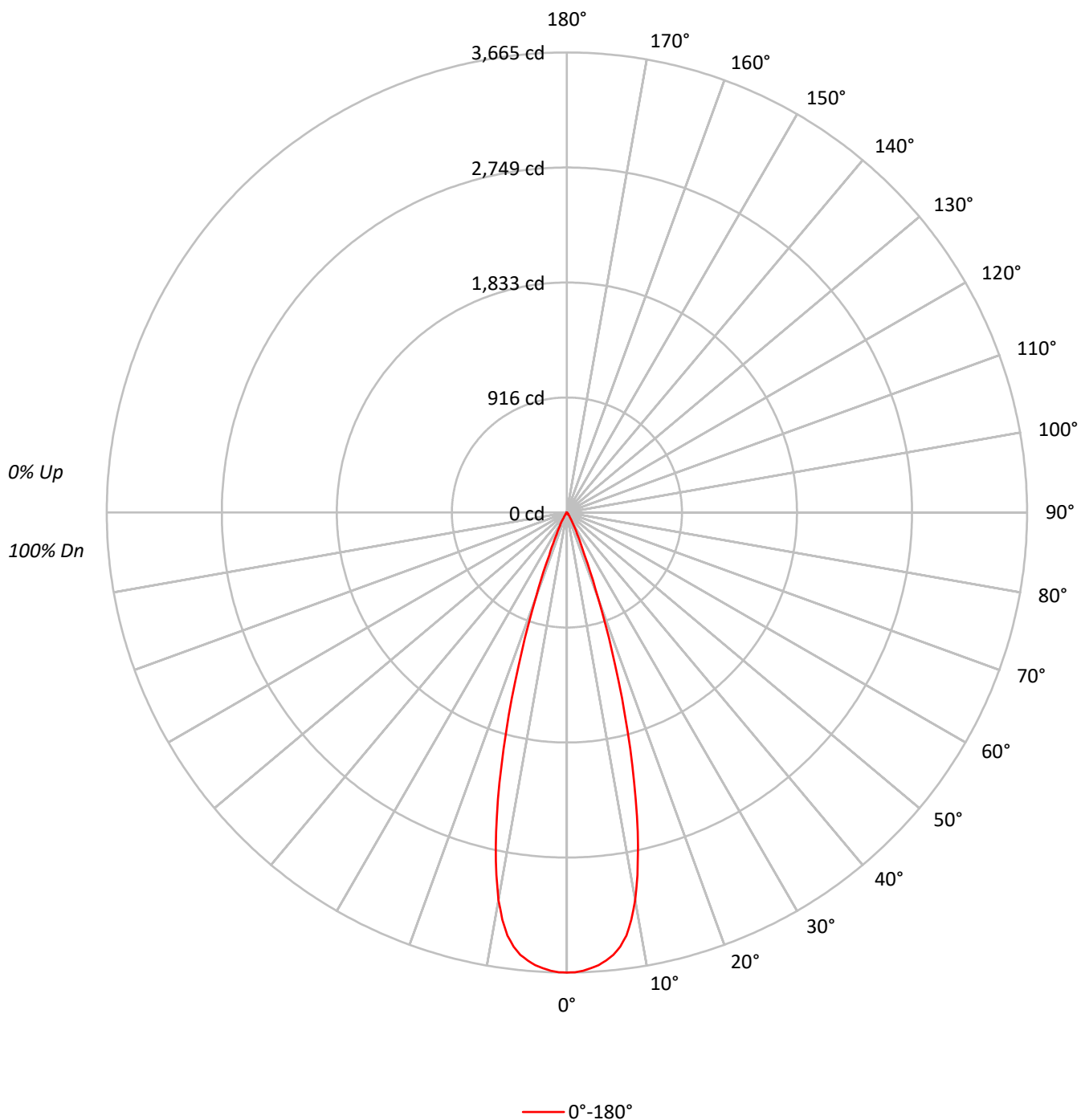
Lumens per Lamp: N/A
Luminaire Lumens: 987.1 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					0
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	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89
4	105	100	96	93	103	98	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	86	85	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

0°	803751
5°	788552
10°	698072
15°	442273
20°	167875
25°	49696
30°	19623
35°	6023
40°	2662
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°	329.3	33.4
10°-20°	513.2	52.0
20°-30°	119.2	12.1
30°-40°	18.5	1.9
40°-50°	3.1	0.3
50°-60°	1.5	0.2
60°-70°	1.3	0.1
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°	961.7	97.4
0°-40°	980.2	99.3
0°-60°	984.8	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°	3665	
5°	3582	329
15°	1948	513
25°	205	119
35°	22	18
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°	3665.4
1°	3663.1
2°	3653.0
3°	3635.9
4°	3614.2
5°	3582.4
6°	3542.9
7°	3484.0
8°	3403.4
9°	3284.7
10°	3135.1
11°	2942.1
12°	2724.2
13°	2482.4
14°	2216.4
15°	1948.2
17.5°	1274.5
20°	719.4
22.5°	367.5
25°	205.4
27.5°	126.4
30°	77.5
32.5°	41.9
35°	22.5
37.5°	14.7
40°	9.3
42.5°	5.4
45°	3.1
47.5°	2.3
50°	2.3
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.6
65°	1.6
67.5°	0.8
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)