

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: P1300142

Luminaire Tested: P3A17R30W2N902750DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300142
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: P3A17R30W2N902750DE010 E3D1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

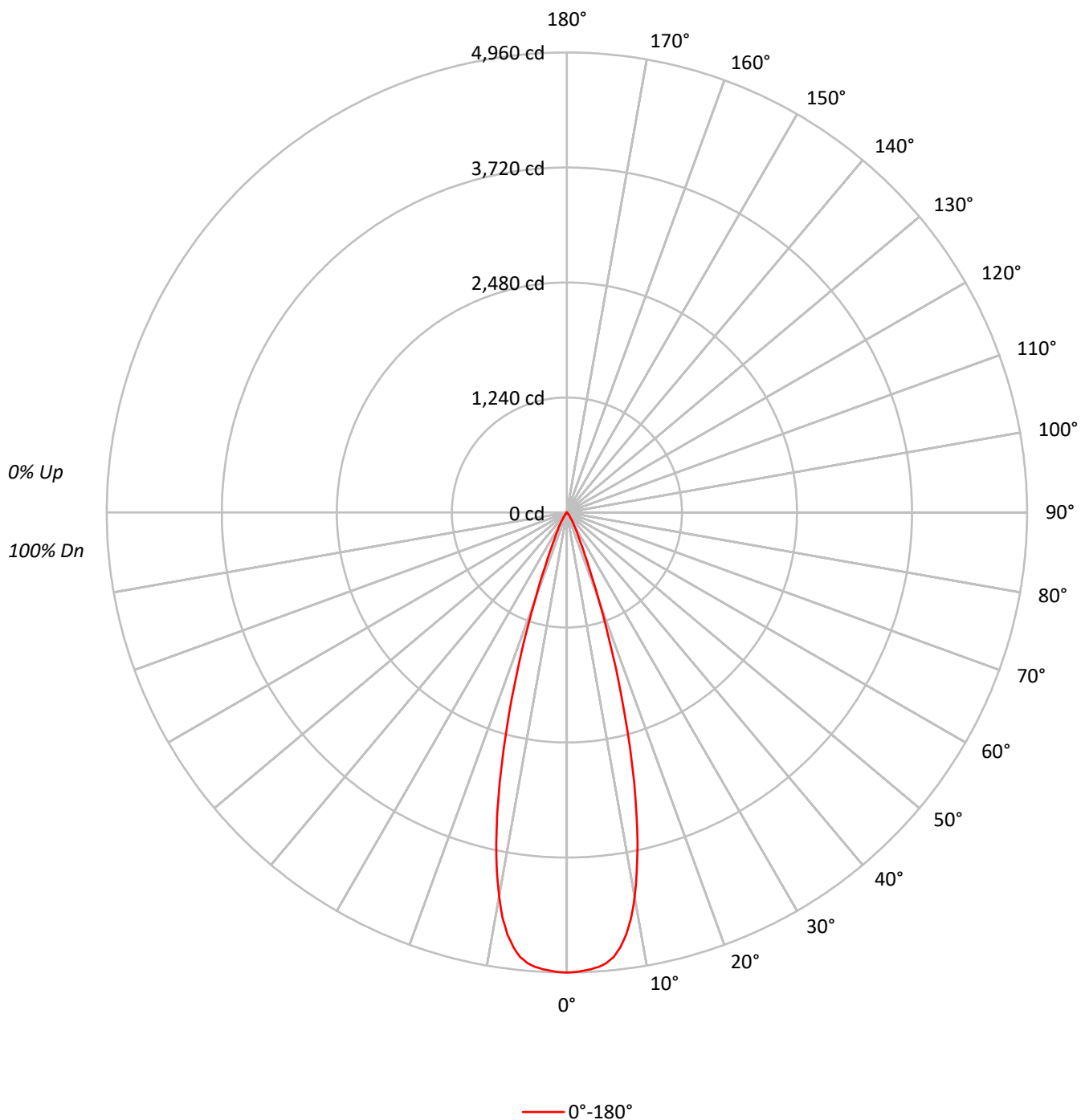
Lumens per Lamp: N/A
Luminaire Lumens: 1367.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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	87	86	85
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	84	83	82
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	81	80	79
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79	78	77
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	77	76	75
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	75	74	73
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1087632
5°	1073451
10°	937213
15°	595713
20°	236014
25°	78827
30°	36689
35°	16624
40°	6383
45°	3132
50°	921
55°	421
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3132 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.9	32.6
10°-20°	691.4	50.6
20°-30°	178.3	13.0
30°-40°	41.9	3.1
40°-50°	8.2	0.6
50°-60°	0.9	0.1
60°-70°	0.4	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°	1315.6	96.2
0°-40°	1357.4	99.3
0°-60°	1366.6	100.0
0°-90°	1367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1367.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4960	
5°	4877	446
15°	2624	691
25°	326	178
35°	62	42
45°	10	8
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4960.0
1°	4956.3
2°	4944.6
3°	4931.3
4°	4911.7
5°	4876.7
6°	4819.9
7°	4725.4
8°	4596.5
9°	4428.3
10°	4209.1
11°	3948.6
12°	3664.1
13°	3336.7
14°	2993.9
15°	2624.1
16°	2261.6
17°	1912.5
18°	1577.6
19°	1270.4
20°	1011.4
21°	796.0
22°	626.2
23°	495.6
24°	396.9
25°	325.8
26°	271.7
27°	230.8
28°	199.5
29°	170.9
30°	144.9
32.5°	91.3
35°	62.1
37.5°	38.7
40°	22.3
42.5°	14.9
45°	10.1
47.5°	5.8
50°	2.7
52.5°	1.1
55°	1.1
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
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)