

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: P1300174

Luminaire Tested: P3A17R30W2N902750DE010 E3DL1WMH\_3500K

Issue Date: 1/30/2026

**Test Information**

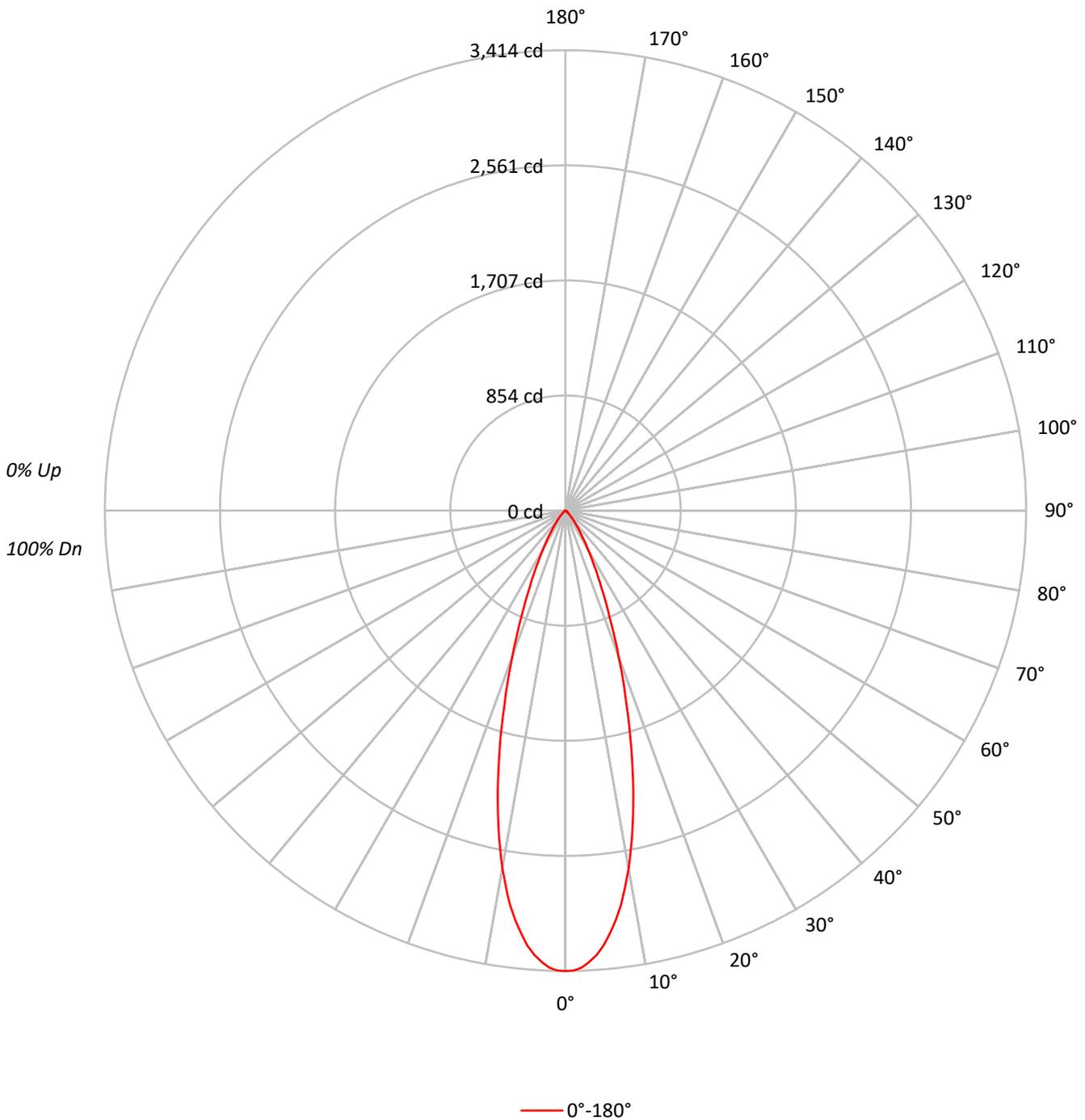
Test Method: LM-79-2019  
Report Number: P1300174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R30W2N902750DE010 E3DL1WMH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1283.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54  
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	92	92	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	76	76	76	75
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	79	75	73	73	73	73	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	748668
5°	712589
10°	599388
15°	432261
20°	268123
25°	152477
30°	84697
35°	46070
40°	24274
45°	13149
50°	7027
55°	4626
60°	4254
65°	4410
70°	3911
75°	3050
80°	3031
85°	3019

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13149 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.5	22.7
10°-20°	518.2	40.4
20°-30°	299.5	23.3
30°-40°	113.7	8.9
40°-50°	34.9	2.7
50°-60°	11.7	0.9
60°-70°	8.0	0.6
70°-80°	4.3	0.3
80°-90°	1.3	0.1
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°	1109.1	86.5
0°-40°	1222.8	95.3
0°-60°	1269.4	98.9
0°-90°	1283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3414	
5°	3237	291
15°	1904	518
25°	630	299
35°	172	114
45°	42	35
55°	12	12
65°	8	8
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3414.2
1°	3411.8
2°	3391.2
3°	3352.4
4°	3303.9
5°	3237.3
6°	3152.4
7°	3057.9
8°	2952.4
9°	2826.4
10°	2691.9
11°	2546.4
12°	2392.5
13°	2231.3
14°	2067.7
15°	1904.1
17.5°	1501.7
20°	1149.0
22.5°	852.0
25°	630.2
27.5°	458.1
30°	334.5
32.5°	241.2
35°	172.1
37.5°	120.0
40°	84.8
42.5°	59.4
45°	42.4
47.5°	29.1
50°	20.6
52.5°	14.5
55°	12.1
57.5°	10.9
60°	9.7
62.5°	8.5
65°	8.5
67.5°	7.3
70°	6.1
72.5°	4.8
75°	3.6
77.5°	3.6
80°	2.4
82.5°	2.4
85°	1.2
87.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0

(END OF REPORT)