

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: P1299540

Luminaire Tested: P3A17R20W2N902750DE010 E3DLD1H\_3000K

Issue Date: 1/30/2026

**Test Information**

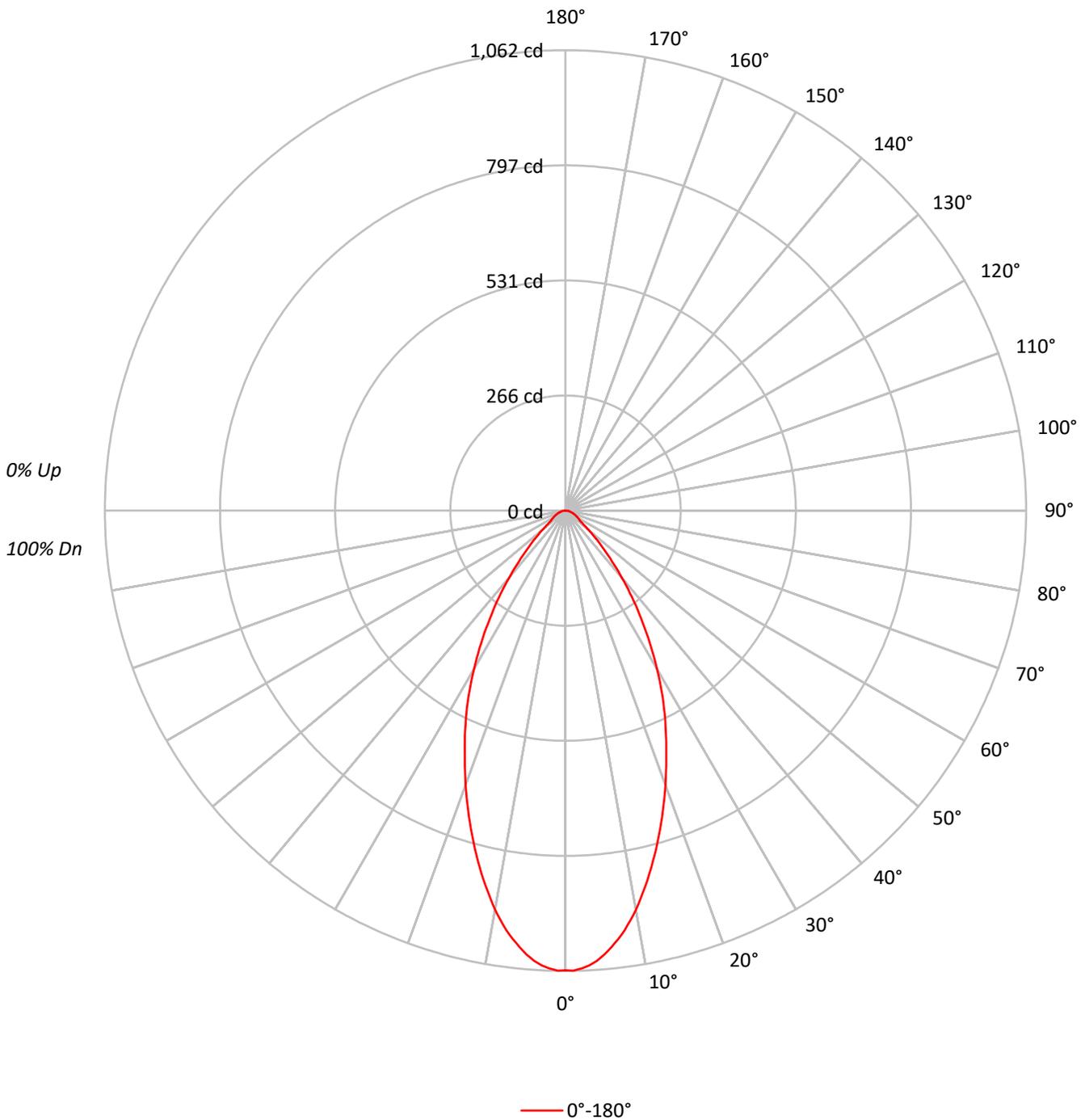
Test Method: LM-79-2019  
Report Number: P1299540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R20W2N902750DE010 E3DLD1H\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 940.0 lumens  
Efficiency: N/A  
Efficacy: 48.5 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83		
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65		
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60		
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55		
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52		
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48		
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45		

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

	0°
0°	232503
5°	226304
10°	208190
15°	183247
20°	157164
25°	132032
30°	106725
35°	81191
40°	57765
45°	38143
50°	23641
55°	15522
60°	14122
65°	13023
70°	12246
75°	11099
80°	10607
85°	9057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38143 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.1	10.1
10°-20°	224.7	23.9
20°-30°	249.4	26.5
30°-40°	190.3	20.2
40°-50°	97.4	10.4
50°-60°	40.0	4.3
60°-70°	25.0	2.7
70°-80°	14.0	1.5
80°-90°	4.1	0.4
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°	569.3	60.6
0°-40°	759.5	80.8
0°-60°	897.0	95.4
0°-90°	940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1060	
5°	1028	95
15°	807	225
25°	546	249
35°	303	190
45°	123	97
55°	41	40
65°	25	25
75°	13	14
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1060.3
1°	1061.5
2°	1056.7
3°	1050.8
4°	1041.2
5°	1028.1
6°	1012.6
7°	995.8
8°	977.9
9°	956.4
10°	935.0
12.5°	872.9
15°	807.2
17.5°	740.3
20°	673.5
22.5°	606.6
25°	545.7
27.5°	484.8
30°	421.5
32.5°	361.8
35°	303.3
37.5°	251.9
40°	201.8
42.5°	158.8
45°	123.0
47.5°	93.1
50°	69.3
52.5°	51.3
55°	40.6
57.5°	37.0
60°	32.2
62.5°	28.7
65°	25.1
67.5°	21.5
70°	19.1
72.5°	15.5
75°	13.1
77.5°	10.7
80°	8.4
82.5°	6.0
85°	3.6
87.5°	1.2
90°	0.0

(END OF REPORT)