

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: P1295746

Luminaire Tested: P3A13R20W2N902750DE010 E3DLD1H\_3500K

Issue Date: 1/30/2026

**Test Information**

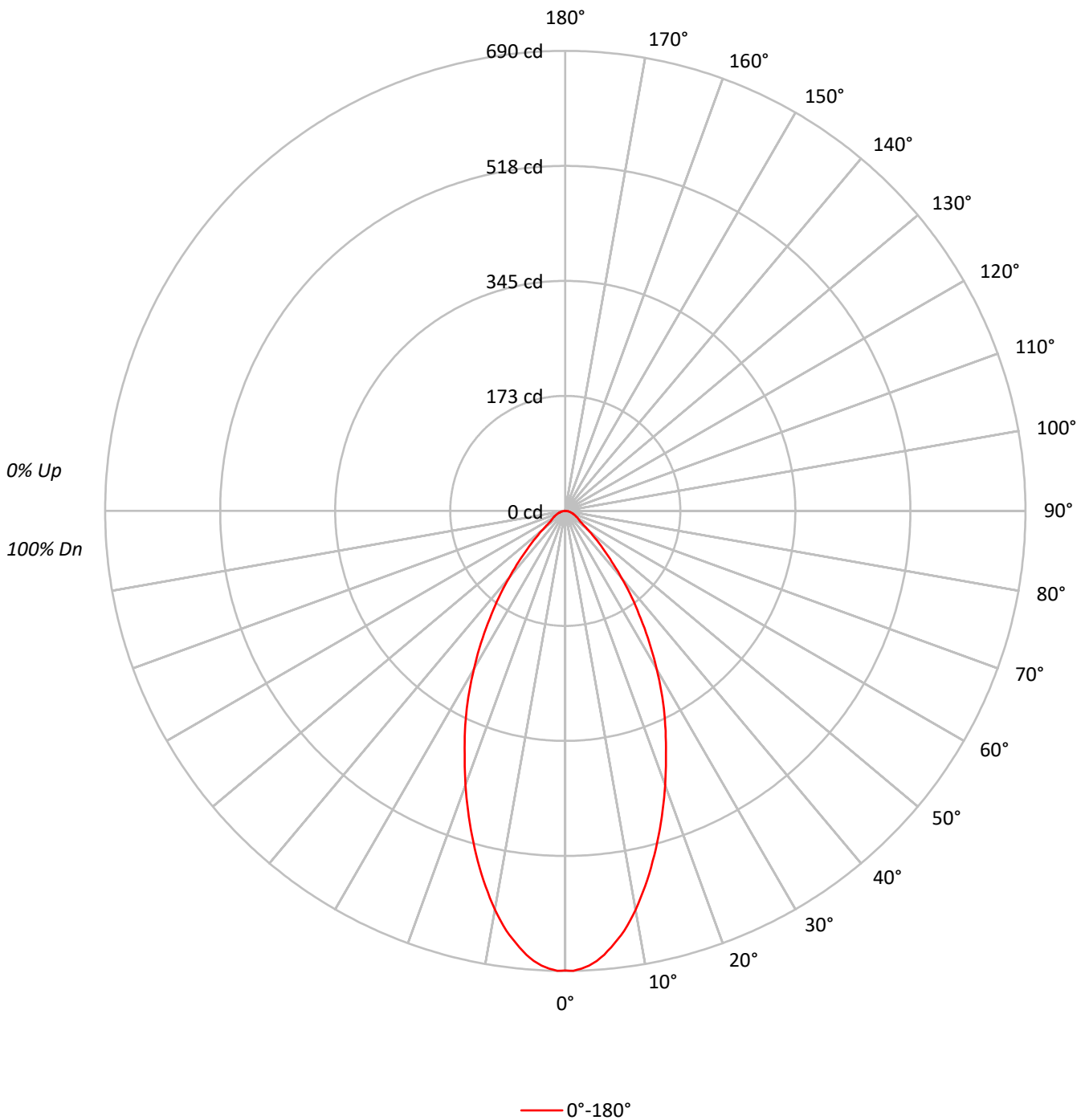
Test Method: LM-79-2019  
Report Number: P1295746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902750DE010 E3DLD1H\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,  
E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 611.0 lumens  
Efficiency: N/A  
Efficacy: 49.7 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): 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			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	100	100	100	100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91	91	91	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83	83	83	83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76	76	76	76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65	65	65	65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60	60	60	60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55	55	55	55
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52	52	52	52
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48	48	48	48
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45	45	45	45

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

	0°
0°	151128
5°	147105
10°	135313
15°	119115
20°	102139
25°	85819
30°	69378
35°	52762
40°	37556
45°	24778
50°	15351
55°	10093
60°	9210
65°	8457
70°	7950
75°	7202
80°	6819
85°	5787

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24778 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.8	10.1
10°-20°	146.1	23.9
20°-30°	162.1	26.5
30°-40°	123.7	20.2
40°-50°	63.3	10.4
50°-60°	26.0	4.3
60°-70°	16.2	2.7
70°-80°	9.1	1.5
80°-90°	2.6	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°	370.0	60.6
0°-40°	493.7	80.8
0°-60°	583.0	95.4
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	689	
5°	668	62
15°	525	146
25°	355	162
35°	197	124
45°	80	63
55°	26	26
65°	16	16
75°	8	9
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	689.2
1°	690.0
2°	686.9
3°	683.0
4°	676.8
5°	668.3
6°	658.2
7°	647.3
8°	635.7
9°	621.7
10°	607.7
12.5°	567.4
15°	524.7
17.5°	481.2
20°	437.7
22.5°	394.3
25°	354.7
27.5°	315.1
30°	274.0
32.5°	235.2
35°	197.1
37.5°	163.8
40°	131.2
42.5°	103.2
45°	79.9
47.5°	60.5
50°	45.0
52.5°	33.4
55°	26.4
57.5°	24.1
60°	21.0
62.5°	18.6
65°	16.3
67.5°	14.0
70°	12.4
72.5°	10.1
75°	8.5
77.5°	7.0
80°	5.4
82.5°	3.9
85°	2.3
87.5°	0.8
90°	0.0

(END OF REPORT)