

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: P1295696

Luminaire Tested: P3A13R20W2N902750DE010 E3D1LI\_3500K

Issue Date: 1/29/2026

**Test Information**

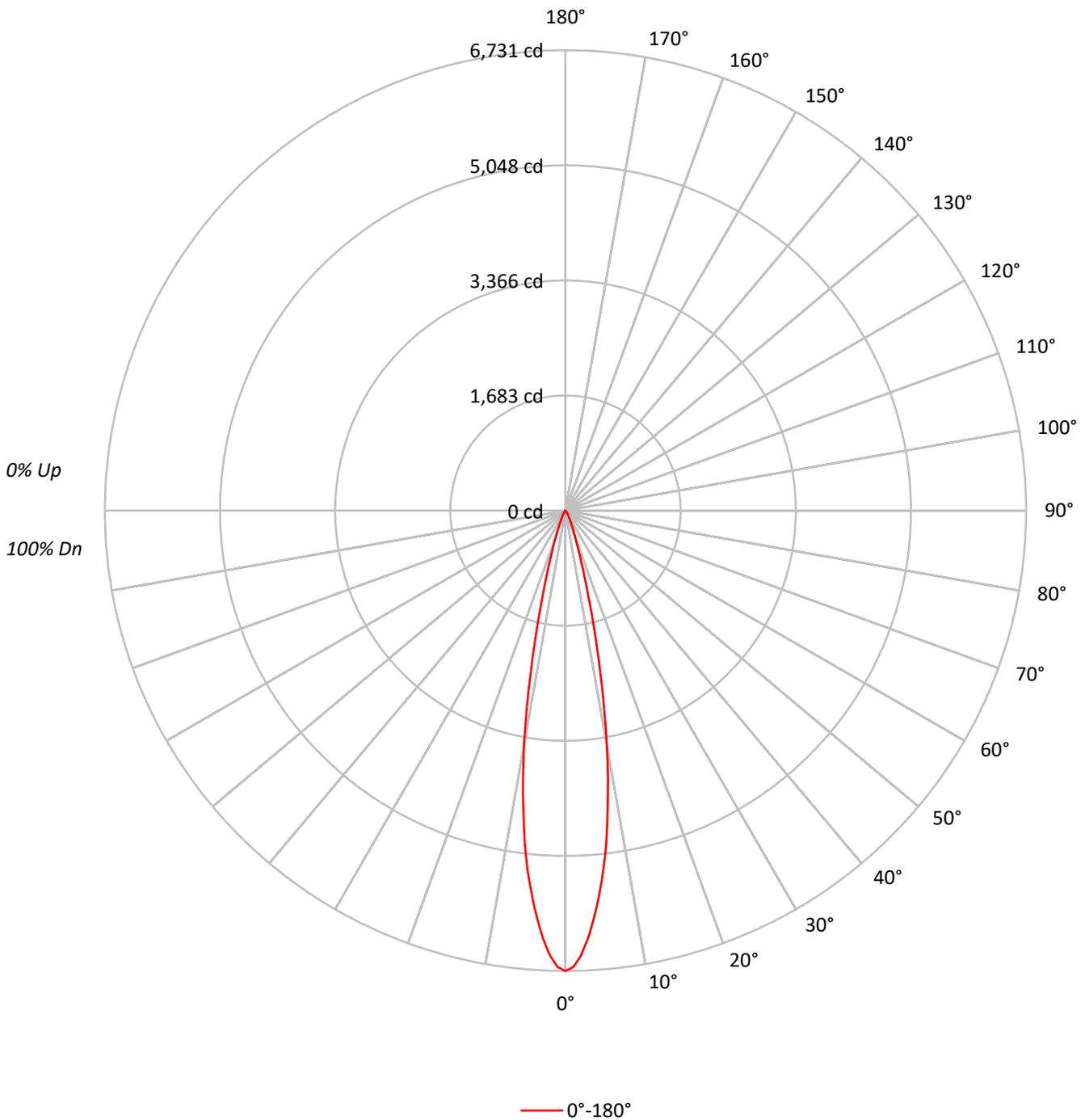
Test Method: LM-79-2019  
Report Number: P1295696  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902750DE010 E3D1LI\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,  
E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 973.0 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
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

TEST NUMBER: P1295696  
CATALOG NUMBER: P3A13R20W2N902750DE010 E3D1LI\_3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1295696  
 CATALOG NUMBER: P3A13R20W2N902750DE010 E3D1LI\_3500K

**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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99		97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96		95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94		93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92		91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90		89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88		87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86		85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84		83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82		81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81		80

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

	0°
0°	1475956
5°	1242700
10°	776182
15°	290172
20°	99595
25°	41519
30°	19547
35°	8754
40°	4151
45°	2109
50°	785
55°	153
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2109 cd/sqm



TEST NUMBER: P1295696

CATALOG NUMBER: P3A13R20W2N902750DE010 E3D1LI\_3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.5	48.2
10°-20°	386.7	39.7
20°-30°	87.9	9.0
30°-40°	22.4	2.3
40°-50°	5.6	0.6
50°-60°	0.7	0.1
60°-70°	0.2	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°	944.1	97.0
0°-40°	966.4	99.3
0°-60°	972.8	100.0
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6731	
5°	5646	469
15°	1278	387
25°	172	88
35°	33	22
45°	7	6
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1295696  
CATALOG NUMBER: P3A13R20W2N902750DE010 E3D1LI\_3500K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6730.9
1°	6673.9
2°	6505.7
3°	6264.5
4°	5968.5
5°	5645.6
6°	5285.7
7°	4888.5
8°	4425.1
9°	3966.0
10°	3485.9
11°	2975.0
12°	2464.8
13°	2032.6
14°	1619.5
15°	1278.2
16°	1008.9
17°	795.9
18°	639.5
19°	520.0
20°	426.8
21°	356.8
22°	297.9
23°	247.7
24°	206.6
25°	171.6
27.5°	112.2
30°	77.2
32.5°	47.6
35°	32.7
37.5°	20.9
40°	14.5
42.5°	9.9
45°	6.8
47.5°	4.6
50°	2.3
52.5°	1.1
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1295696  
CATALOG NUMBER: P3A13R20W2N902750DE010 E3D1LI\_3500K

**CANDELA DISTRIBUTION (continued):**

	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)