

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: P1295730

Luminaire Tested: P3A13R20W2N902750DE010 E3DL1MW\_3000K

Issue Date: 1/30/2026

**Test Information**

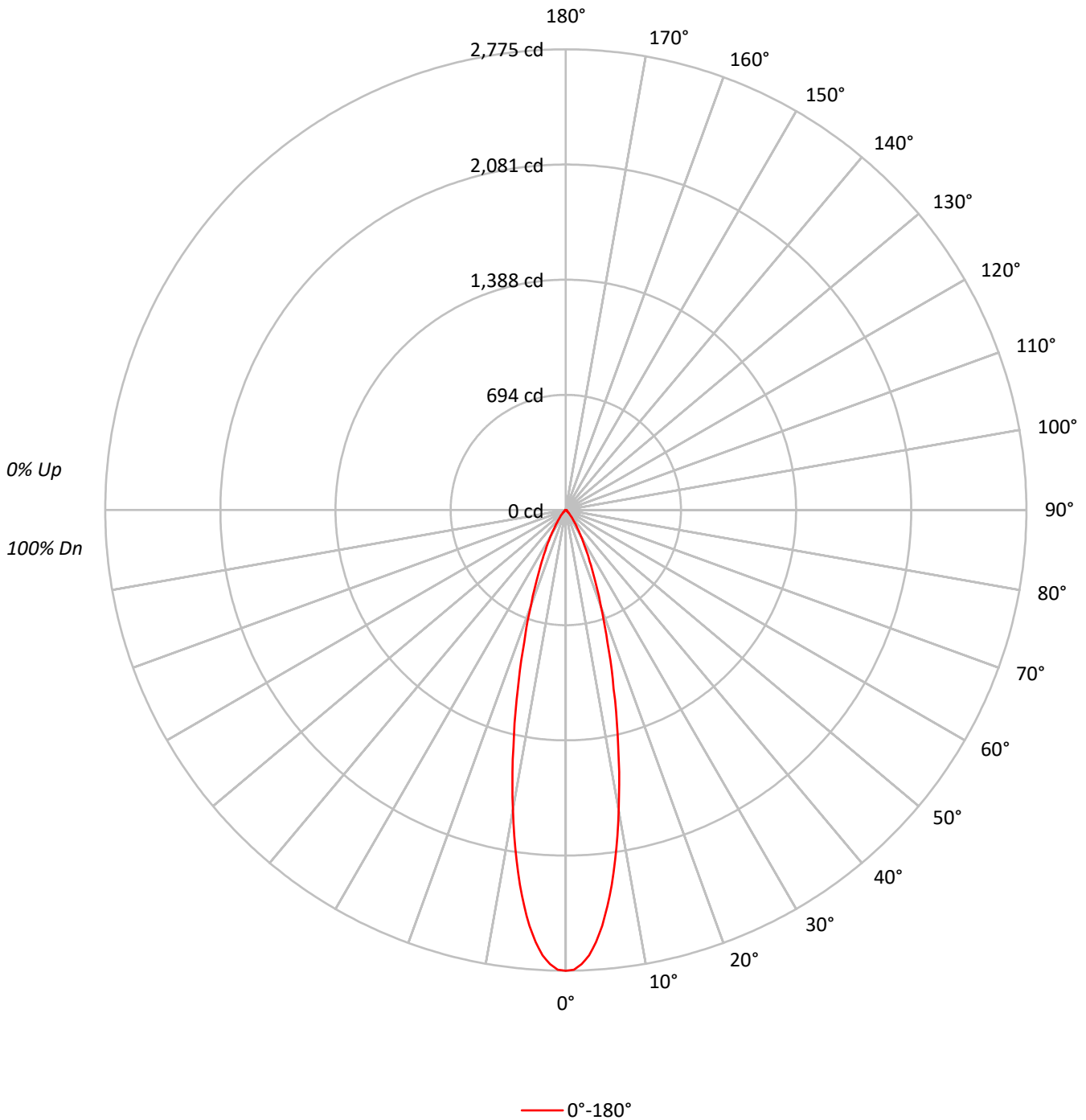
Test Method: LM-79-2019  
Report Number: P1295730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902750DE010 E3DL1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 791.0 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
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: P1295730  
CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1MW\_3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1295730

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1MW\_3000K

**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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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

	0°
0°	608592
5°	553223
10°	408855
15°	252919
20°	144446
25°	82456
30°	46235
35°	25163
40°	13769
45°	7598
50°	4435
55°	3211
60°	3026
65°	2750
70°	2436
75°	2626
80°	1894
85°	2013

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7598 cd/sqm



TEST NUMBER: P1295730

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1MW\_3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.6	27.5
10°-20°	310.7	39.3
20°-30°	162.2	20.5
30°-40°	62.7	7.9
40°-50°	20.4	2.6
50°-60°	8.0	1.0
60°-70°	5.3	0.7
70°-80°	3.1	0.4
80°-90°	1.0	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°	690.5	87.3
0°-40°	753.2	95.2
0°-60°	781.5	98.8
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2775	
5°	2513	218
15°	1114	311
25°	341	162
35°	94	63
45°	24	20
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1295730  
CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1MW\_3000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2775.4
1°	2770.0
2°	2737.2
3°	2686.7
4°	2608.8
5°	2513.3
6°	2400.2
7°	2274.9
8°	2129.7
9°	1988.3
10°	1836.2
12.5°	1459.5
15°	1114.1
17.5°	833.7
20°	619.0
22.5°	458.5
25°	340.8
27.5°	251.4
30°	182.6
32.5°	132.2
35°	94.0
37.5°	68.0
40°	48.1
42.5°	34.4
45°	24.5
47.5°	17.6
50°	13.0
52.5°	9.9
55°	8.4
57.5°	7.6
60°	6.9
62.5°	6.1
65°	5.3
67.5°	4.6
70°	3.8
72.5°	3.8
75°	3.1
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)