

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: P1296469

Luminaire Tested: P3A13R30W2N902765DE010 E3CB1MW\_2700K

Issue Date: 1/30/2026

**Test Information**

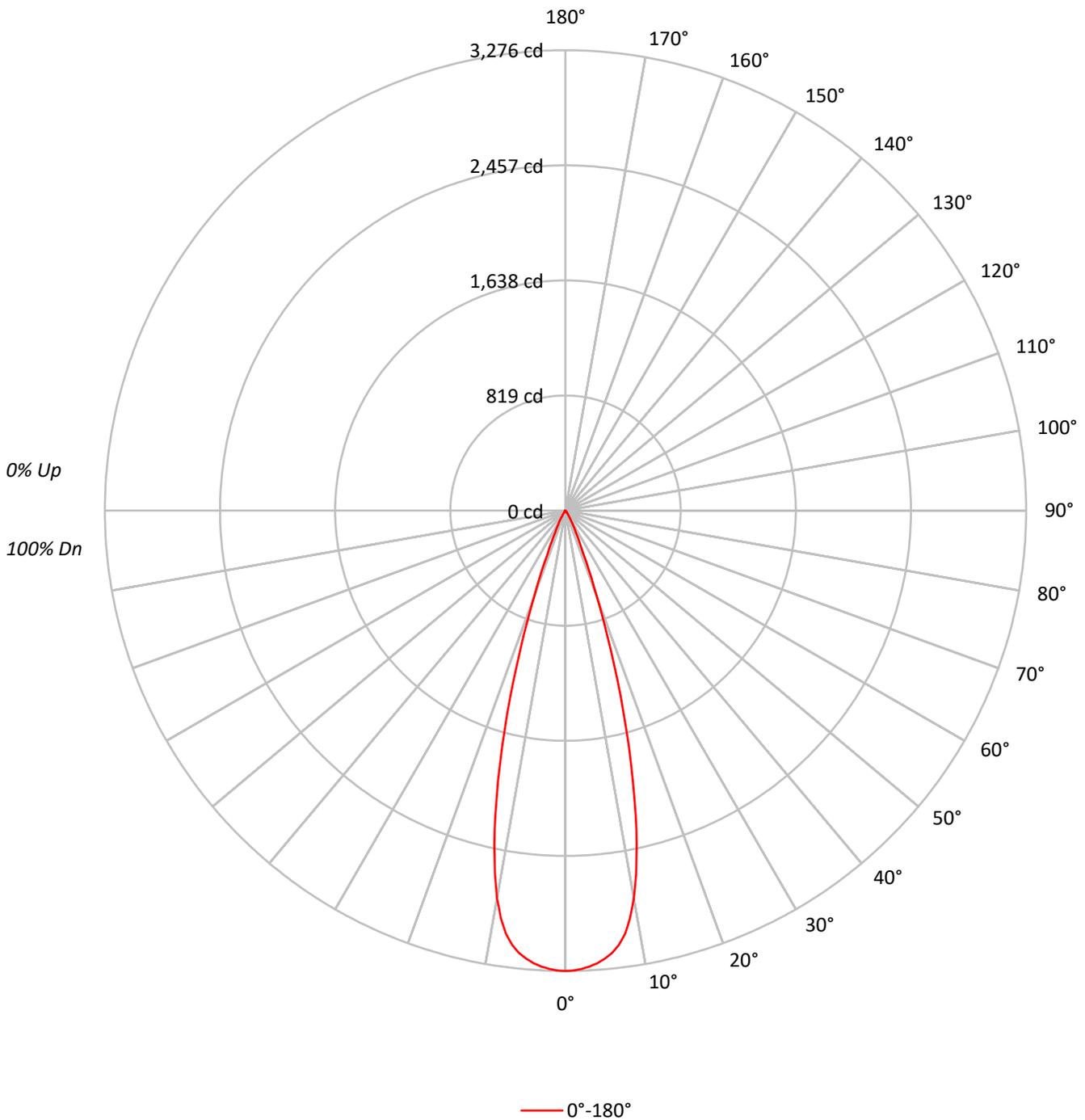
Test Method: LM-79-2019  
Report Number: P1296469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R30W2N902765DE010 E3CB1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,  
E3CB1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 882.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47  
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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	91	88	87	85
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	82	79	77	77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	80	77	75	75

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

	0°
0°	718254
5°	704665
10°	623814
15°	395235
20°	150023
25°	44422
30°	17547
35°	5381
40°	2376
45°	868
50°	716
55°	535
60°	614
65°	726
70°	449
75°	593
80°	884
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 884 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.3	33.4
10°-20°	458.6	52.0
20°-30°	106.5	12.1
30°-40°	16.5	1.9
40°-50°	2.8	0.3
50°-60°	1.3	0.2
60°-70°	1.1	0.1
70°-80°	0.7	0.1
80°-90°	0.1	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°	859.4	97.4
0°-40°	875.9	99.3
0°-60°	880.1	99.8
0°-90°	882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3276	
5°	3201	294
15°	1741	459
25°	184	107
35°	20	17
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3275.5
1°	3273.4
2°	3264.4
3°	3249.1
4°	3229.7
5°	3201.3
6°	3166.0
7°	3113.3
8°	3041.3
9°	2935.3
10°	2801.6
11°	2629.1
12°	2434.4
13°	2218.3
14°	1980.7
15°	1741.0
17.5°	1138.9
20°	642.9
22.5°	328.4
25°	183.6
27.5°	112.9
30°	69.3
32.5°	37.4
35°	20.1
37.5°	13.2
40°	8.3
42.5°	4.8
45°	2.8
47.5°	2.1
50°	2.1
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)