

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: P1249154

Luminaire Tested: P3AS13R159027DE010 E3CB1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249154  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R159027DE010 E3CB1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3CB1MW TRIM  
Light Source: -  
Ballast/Driver: -

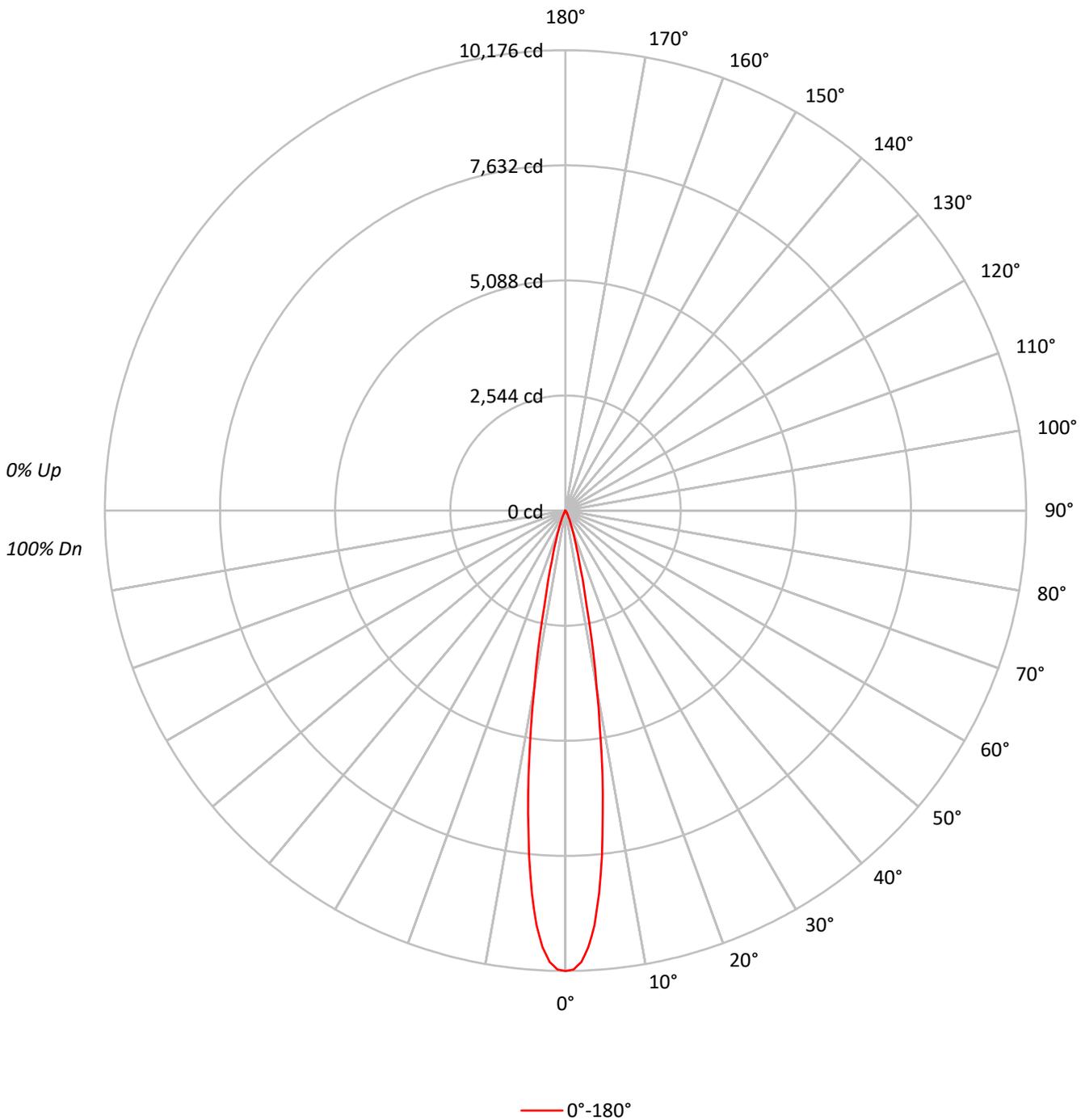
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1148.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1249154  
CATALOG NUMBER: P3AS13R159027DE010 E3CB1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1249154  
 CATALOG NUMBER: P3AS13R159027DE010 E3CB1MW

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

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

	0°
0°	2231444
5°	1870169
10°	880923
15°	265586
20°	98265
25°	38204
30°	14255
35°	4363
40°	1546
45°	837
50°	614
55°	688
60°	789
65°	467
70°	577
75°	763
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 837 cd/sqm



TEST NUMBER: P1249154  
 CATALOG NUMBER: P3AS13R159027DE010 E3CB1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	656.8	57.2
10°-20°	390.4	34.0
20°-30°	82.0	7.1
30°-40°	13.2	1.2
40°-50°	2.2	0.2
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	1129.3	98.4
0°-40°	1142.5	99.5
0°-60°	1146.4	99.9
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10176	
5°	8496	657
15°	1170	390
25°	158	82
35°	16	13
45°	3	2
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1249154  
CATALOG NUMBER: P3AS13R159027DE010 E3CB1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10176.2
1°	10144.4
2°	9982.8
3°	9659.7
4°	9186.0
5°	8496.2
6°	7685.7
7°	6759.0
8°	5874.1
9°	4872.1
10°	3956.3
12.5°	2134.7
15°	1169.9
17.5°	685.2
20°	421.1
22.5°	257.8
25°	157.9
27.5°	95.3
30°	56.3
32.5°	31.8
35°	16.3
37.5°	9.1
40°	5.4
42.5°	3.6
45°	2.7
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)