

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: P1270156

Luminaire Tested: P3A17R309740DE010 E3CD1MMS

Issue Date: 1/30/2026

**Test Information**

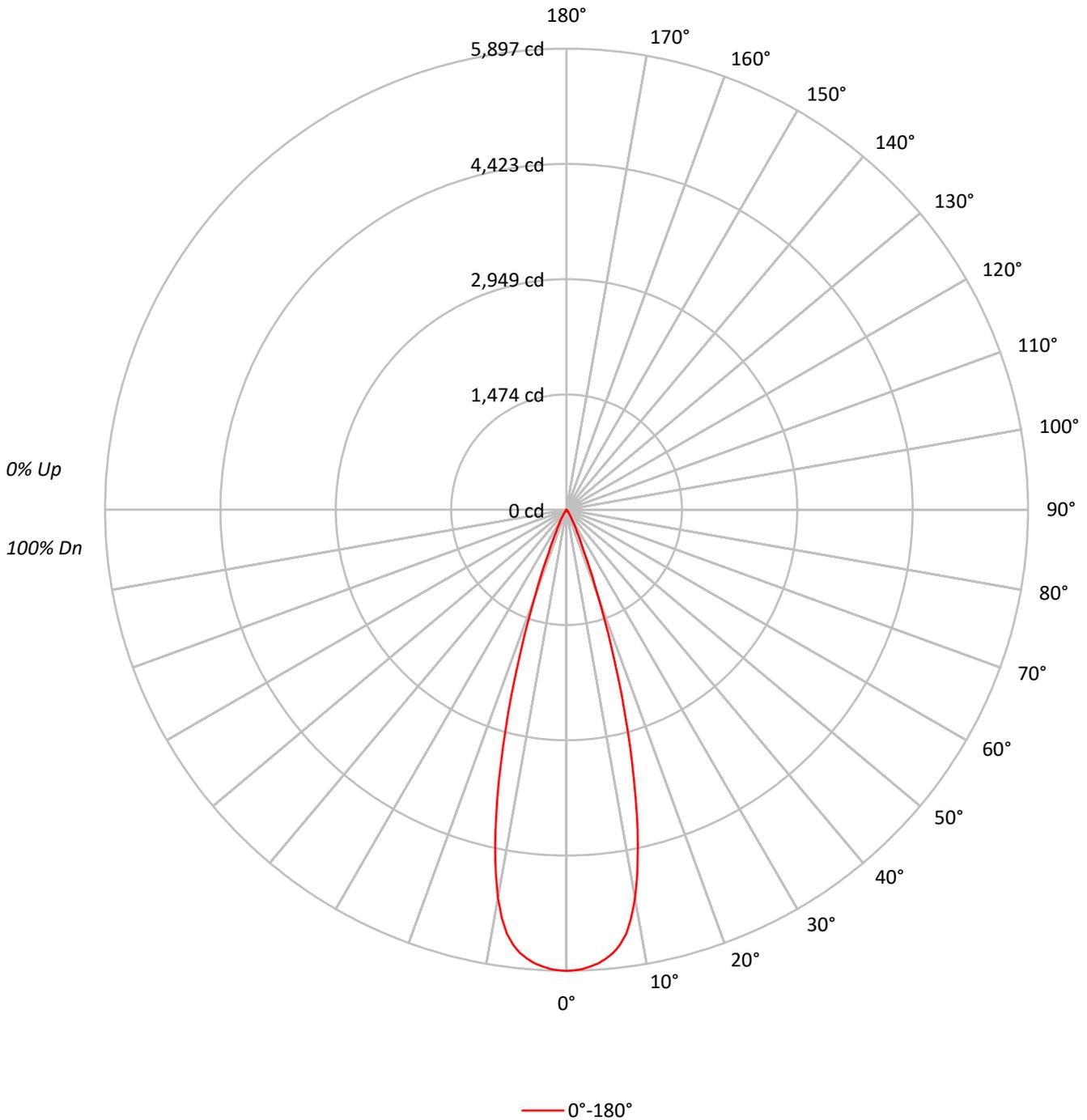
Test Method: LM-79-2019  
Report Number: P1270156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R309740DE010 E3CD1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1587.9 lumens  
Efficiency: N/A  
Efficacy: 74.9 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): 21.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	91	88	87
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	89	86	84
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	86	84	82
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	82	79	77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	80	77	75

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

	0°
0°	1293164
5°	1268740
10°	1123137
15°	711582
20°	270107
25°	79964
30°	31574
35°	9690
40°	4294
45°	1551
50°	1262
55°	956
60°	1096
65°	1297
70°	769
75°	1017
80°	1515
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1551 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	529.9	33.4
10°-20°	825.7	52.0
20°-30°	191.7	12.1
30°-40°	29.7	1.9
40°-50°	5.1	0.3
50°-60°	2.4	0.1
60°-70°	2.0	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1547.3	97.4
0°-40°	1577.1	99.3
0°-60°	1584.5	99.8
0°-90°	1587.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5897	
5°	5764	530
15°	3134	826
25°	330	192
35°	36	30
45°	5	5
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5897.3
1°	5893.6
2°	5877.4
3°	5849.9
4°	5815.0
5°	5763.9
6°	5700.2
7°	5605.4
8°	5475.7
9°	5284.9
10°	5044.1
11°	4733.6
12°	4383.1
13°	3993.9
14°	3566.1
15°	3134.5
17.5°	2050.6
20°	1157.5
22.5°	591.2
25°	330.5
27.5°	203.3
30°	124.7
32.5°	67.4
35°	36.2
37.5°	23.7
40°	15.0
42.5°	8.7
45°	5.0
47.5°	3.7
50°	3.7
52.5°	2.5
55°	2.5
57.5°	2.5
60°	2.5
62.5°	2.5
65°	2.5
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
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)