

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: P1273954

Luminaire Tested: P3A13R209830DE010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

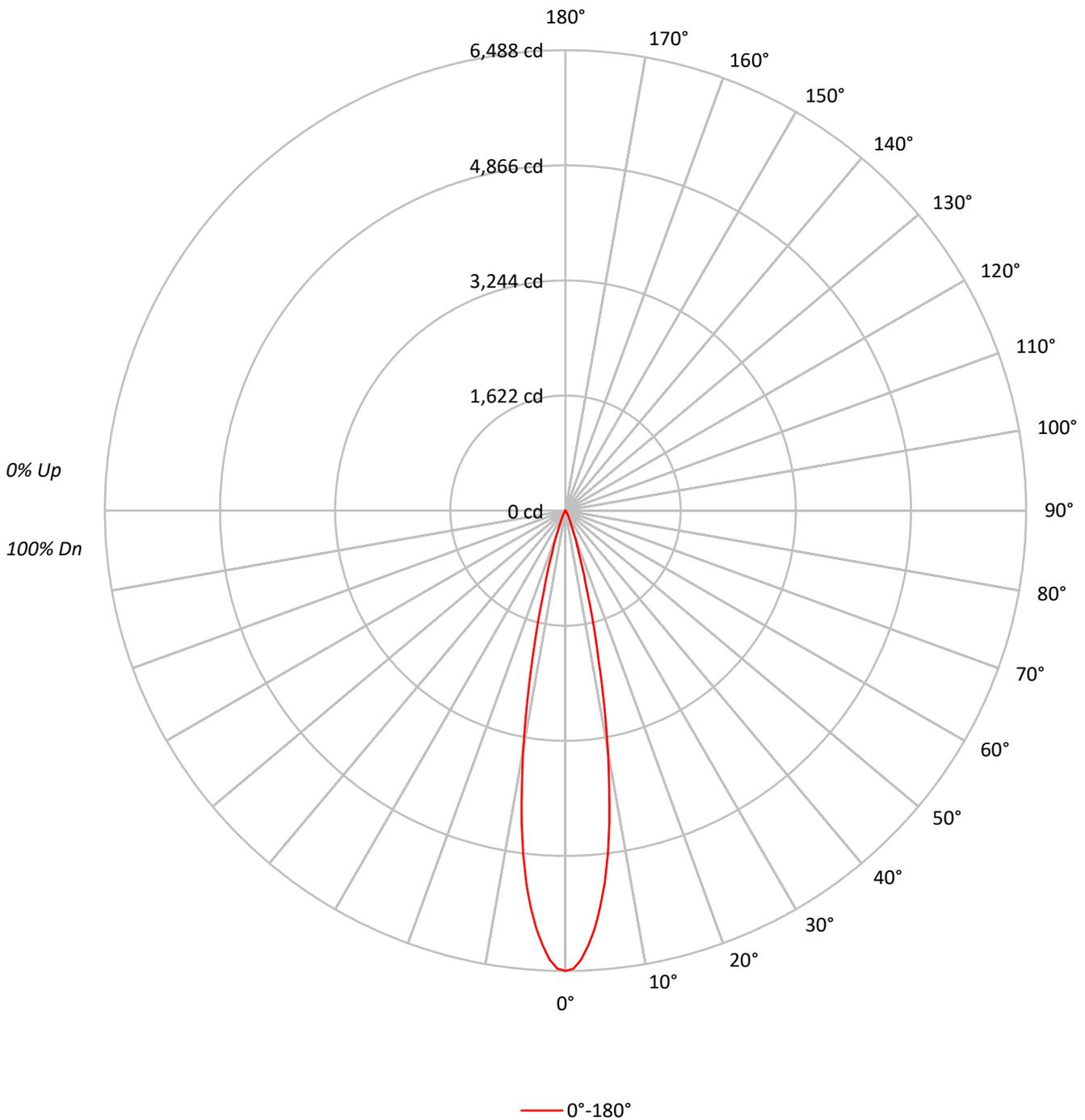
Test Method: LM-79-2019  
Report Number: P1273954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R209830DE010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 916.1 lumens  
Efficiency: N/A  
Efficacy: 63.2 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): 14.5  
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	102	102	102	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	97	96	95	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	94	92	91	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	93	90	89	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	91	89	87	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	89	87	85	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	88	86	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	86	84	82	82

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

	0°
0°	1422649
5°	1234820
10°	762979
15°	264996
20°	81394
25°	28768
30°	10660
35°	4283
40°	2290
45°	899
50°	512
55°	573
60°	658
65°	363
70°	449
75°	593
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 899 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.6	50.8
10°-20°	369.4	40.3
20°-30°	64.0	7.0
30°-40°	11.7	1.3
40°-50°	2.7	0.3
50°-60°	1.3	0.1
60°-70°	0.8	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°	898.9	98.1
0°-40°	910.6	99.4
0°-60°	914.6	99.8
0°-90°	916.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6488	
5°	5610	466
15°	1167	369
25°	119	64
35°	16	12
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6487.8
1°	6456.6
2°	6333.4
3°	6135.4
4°	5903.4
5°	5609.8
6°	5273.3
7°	4881.8
8°	4435.9
9°	3934.9
10°	3426.6
12.5°	2161.4
15°	1167.3
17.5°	623.5
20°	348.8
22.5°	199.4
25°	118.9
27.5°	72.5
30°	42.1
32.5°	24.7
35°	16.0
37.5°	10.9
40°	8.0
42.5°	5.1
45°	2.9
47.5°	1.5
50°	1.5
52.5°	1.5
55°	1.5
57.5°	1.5
60°	1.5
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)