

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: P1273100

Luminaire Tested: P3A02R509830DE010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

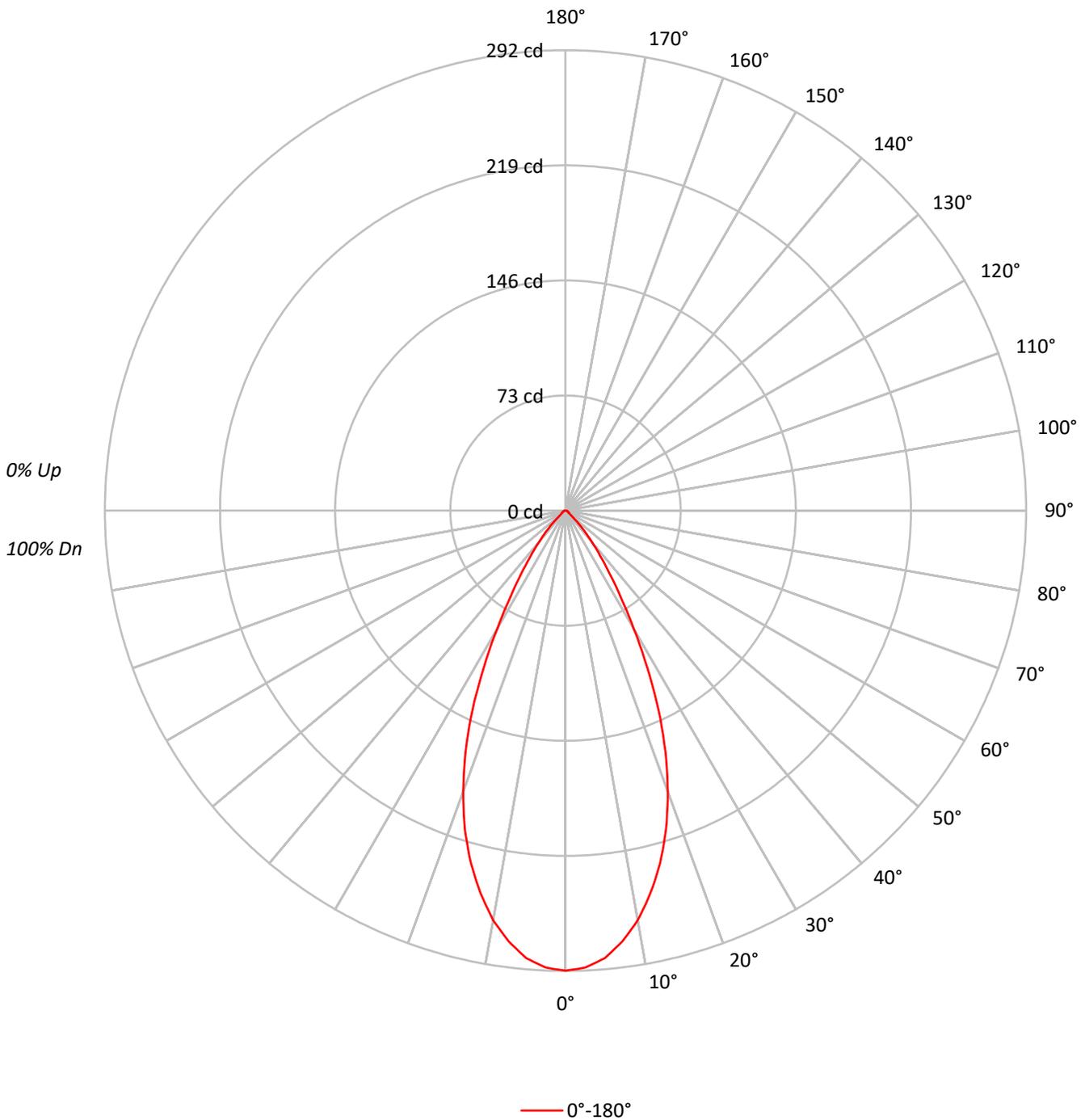
Test Method: LM-79-2019  
Report Number: P1273100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R509830DE010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 201.0 lumens  
Efficiency: N/A  
Efficacy: 55.8 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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: P1273100  
CATALOG NUMBER: P3A02R509830DE010 E3DL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1273100  
 CATALOG NUMBER: P3A02R509830DE010 E3DL1MW

**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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76	76	76	76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72	72	72	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67	67	67	67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64	64	64	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57	57	57	57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54	54	54	54

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

	0°
0°	63986
5°	62712
10°	58739
15°	52577
20°	44244
25°	33776
30°	21953
35°	13010
40°	7528
45°	3783
50°	1399
55°	1109
60°	1009
65°	934
70°	898
75°	932
80°	884
85°	1006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3783 cd/sqm



TEST NUMBER: P1273100  
 CATALOG NUMBER: P3A02R509830DE010 E3DL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.5	13.2
10°-20°	64.1	31.9
20°-30°	62.8	31.3
30°-40°	31.7	15.7
40°-50°	10.0	5.0
50°-60°	2.6	1.3
60°-70°	1.8	0.9
70°-80°	1.1	0.6
80°-90°	0.4	0.2
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°	153.4	76.3
0°-40°	185.1	92.1
0°-60°	197.7	98.3
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	292	
5°	285	27
15°	232	64
25°	140	63
35°	49	32
45°	12	10
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1273100  
CATALOG NUMBER: P3A02R509830DE010 E3DL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	291.8
2.5°	290.1
5°	284.9
7.5°	275.6
10°	263.8
12.5°	248.6
15°	231.6
17.5°	212.0
20°	189.6
22.5°	165.5
25°	139.6
27.5°	112.1
30°	86.7
32.5°	65.2
35°	48.6
37.5°	35.9
40°	26.3
42.5°	18.6
45°	12.2
47.5°	7.0
50°	4.1
52.5°	3.0
55°	2.9
57.5°	2.5
60°	2.3
62.5°	2.1
65°	1.8
67.5°	1.6
70°	1.4
72.5°	1.3
75°	1.1
77.5°	0.9
80°	0.7
82.5°	0.5
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)