

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: P1265842

Luminaire Tested: P3A20R409730D010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

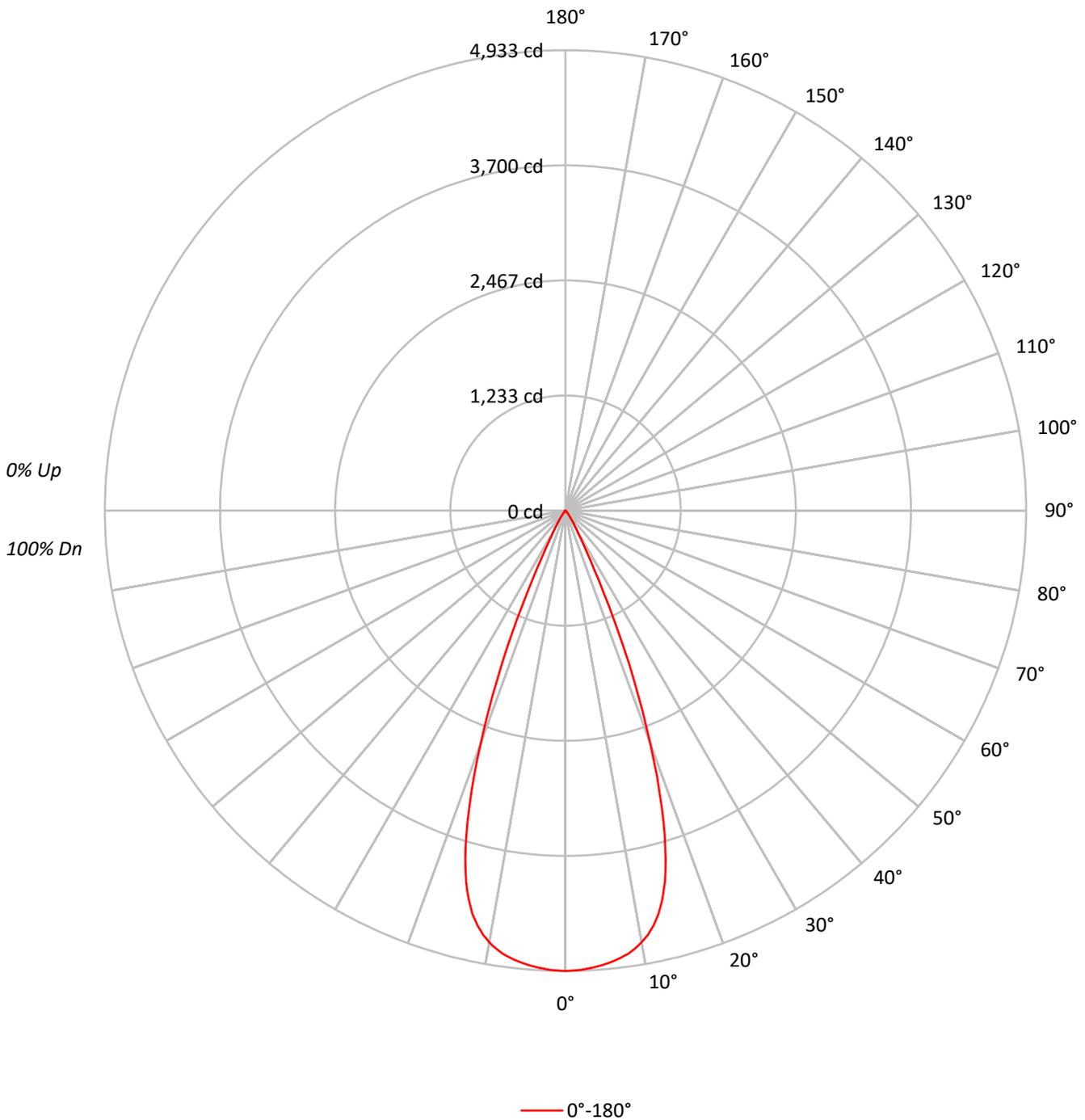
Test Method: LM-79-2019  
Report Number: P1265842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R409730D010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2122.0 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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: P1265842  
CATALOG NUMBER: P3A20R409730D010 E3D1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P1265842  
 CATALOG NUMBER: P3A20R409730D010 E3D1WMH

**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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88	88	88	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85	85	85	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82	82	82	82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79	79	79	79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76	76	76	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73	73	73	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70	70	70	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68	68	68	68

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

	0°
0°	1081624
5°	1073825
10°	1045717
15°	934103
20°	619391
25°	232030
30°	62060
35°	24253
40°	8731
45°	4155
50°	1262
55°	573
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4155 cd/sqm



TEST NUMBER: P1265842  
 CATALOG NUMBER: P3A20R409730D010 E3D1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.4	21.7
10°-20°	1090.3	51.4
20°-30°	494.4	23.3
30°-40°	64.1	3.0
40°-50°	11.1	0.5
50°-60°	1.3	0.1
60°-70°	0.4	0.0
70°-80°	0.0	0.0
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°	2045.1	96.4
0°-40°	2109.1	99.4
0°-60°	2121.6	100.0
0°-90°	2122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4933	
5°	4878	460
15°	4115	1090
25°	959	494
35°	91	64
45°	13	11
55°	2	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1265842  
CATALOG NUMBER: P3A20R409730D010 E3D1WMH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4932.6
1°	4929.7
2°	4922.2
3°	4911.1
4°	4897.0
5°	4878.4
6°	4856.9
7°	4830.1
8°	4797.4
9°	4752.9
10°	4696.4
11°	4630.3
12°	4541.9
13°	4432.7
14°	4290.1
15°	4114.7
16°	3891.1
17°	3636.3
18°	3330.3
19°	3007.1
20°	2654.3
21°	2301.4
22°	1953.7
23°	1607.6
24°	1267.3
25°	959.0
26°	710.2
27°	520.0
28°	390.7
29°	303.8
30°	245.1
31°	202.8
32°	169.4
32.5°	154.5
33°	139.7
34°	113.7
35°	90.6
36°	71.3
37°	56.5
37.5°	50.5
38°	44.6
39°	37.1
40°	30.5
42.5°	20.1
45°	13.4



TEST NUMBER: P1265842  
CATALOG NUMBER: P3A20R409730D010 E3D1WMH

**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	8.2
50°	3.7
52.5°	1.5
55°	1.5
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)