

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: P1276899

Luminaire Tested: P3AS20R509835D010 E3DLD1H

Issue Date: 1/30/2026

**Test Information**

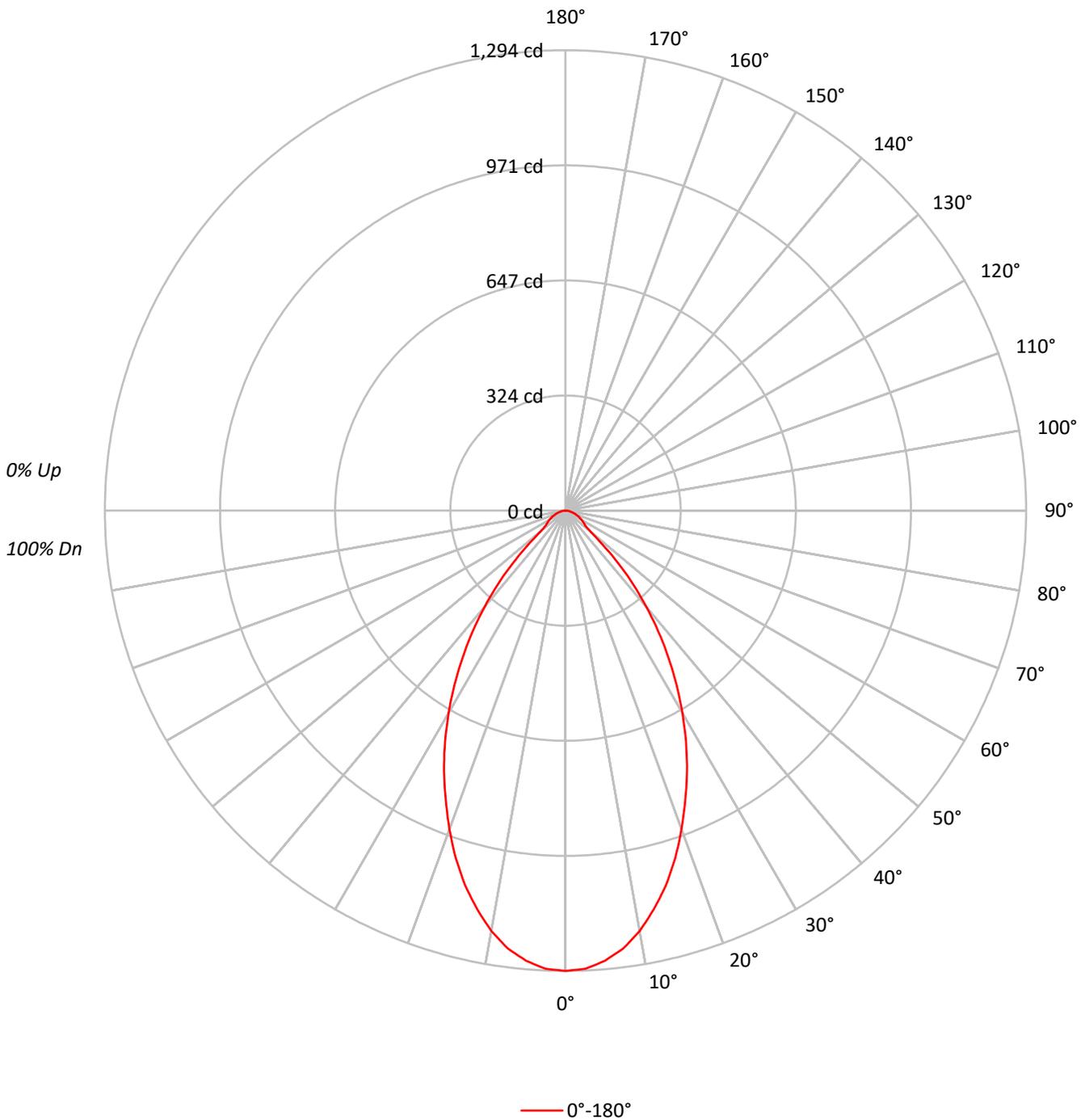
Test Method: LM-79-2019  
Report Number: P1276899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R509835D010 E3DLD1H  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1396.0 lumens  
Efficiency: N/A  
Efficacy: 50.9 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
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	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			43

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

	0°
0°	283683
5°	279506
10°	267129
15°	247402
20°	222339
25°	195447
30°	166203
35°	134783
40°	101247
45°	65216
50°	30976
55°	24353
60°	23068
65°	21481
70°	19426
75°	17538
80°	16037
85°	16102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 65216 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	8.5
10°-20°	303.8	21.8
20°-30°	369.2	26.4
30°-40°	313.1	22.4
40°-50°	162.6	11.6
50°-60°	58.7	4.2
60°-70°	40.6	2.9
70°-80°	22.0	1.6
80°-90°	7.0	0.5
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°	792.0	56.7
0°-40°	1105.1	79.2
0°-60°	1326.4	95.0
0°-90°	1396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1396.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1294	
5°	1270	119
15°	1090	304
25°	808	369
35°	504	313
45°	210	163
55°	64	59
65°	41	41
75°	21	22
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1293.7
2.5°	1289.0
5°	1269.8
7.5°	1241.2
10°	1199.7
12.5°	1147.2
15°	1089.8
17.5°	1024.5
20°	952.8
22.5°	879.5
25°	807.8
27.5°	732.9
30°	656.4
32.5°	580.0
35°	503.5
37.5°	428.6
40°	353.7
42.5°	282.0
45°	210.3
47.5°	140.2
50°	90.8
52.5°	70.1
55°	63.7
57.5°	57.4
60°	52.6
62.5°	46.2
65°	41.4
67.5°	35.1
70°	30.3
72.5°	25.5
75°	20.7
77.5°	15.9
80°	12.7
82.5°	9.6
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)