

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: P1249322

Luminaire Tested: P3AS13R409027DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R409027DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

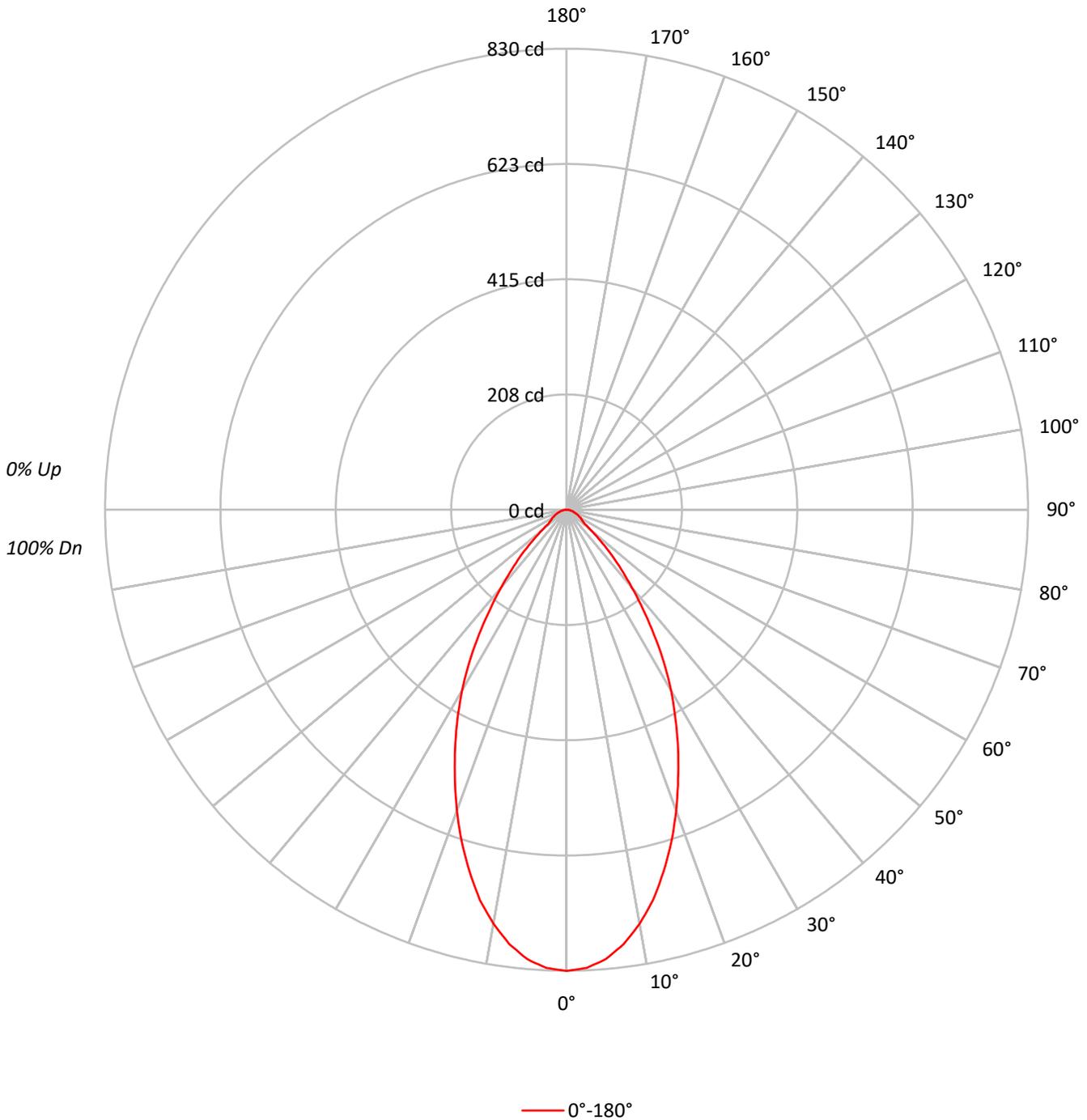
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 811.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69			69
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55			55
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51			51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48			48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	182047
5°	178758
10°	168489
15°	153054
20°	134458
25°	114805
30°	95103
35°	73348
40°	52212
45°	35166
50°	19206
55°	13534
60°	12718
65°	11778
70°	10450
75°	9997
80°	8082
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	9.3
10°-20°	187.8	23.2
20°-30°	217.1	26.8
30°-40°	171.1	21.1
40°-50°	87.8	10.8
50°-60°	33.6	4.1
60°-70°	22.2	2.7
70°-80°	12.1	1.5
80°-90°	3.6	0.4
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°	480.6	59.3
0°-40°	651.7	80.4
0°-60°	773.1	95.3
0°-90°	811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	830	
5°	812	76
15°	674	188
25°	474	217
35°	274	171
45°	113	88
55°	35	34
65°	23	22
75°	12	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	830.2
2.5°	825.7
5°	812.1
7.5°	788.5
10°	756.7
12.5°	719.5
15°	674.2
17.5°	627.0
20°	576.2
22.5°	524.4
25°	474.5
27.5°	424.6
30°	375.6
32.5°	325.7
35°	274.0
37.5°	225.9
40°	182.4
42.5°	145.2
45°	113.4
47.5°	82.6
50°	56.3
52.5°	40.8
55°	35.4
57.5°	31.8
60°	29.0
62.5°	25.4
65°	22.7
67.5°	19.1
70°	16.3
72.5°	13.6
75°	11.8
77.5°	9.1
80°	6.4
82.5°	5.4
85°	2.7
87.5°	1.8
90°	0.0

(END OF REPORT)