

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: P1270110

Luminaire Tested: P3A17R209740DE010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R209740DE010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

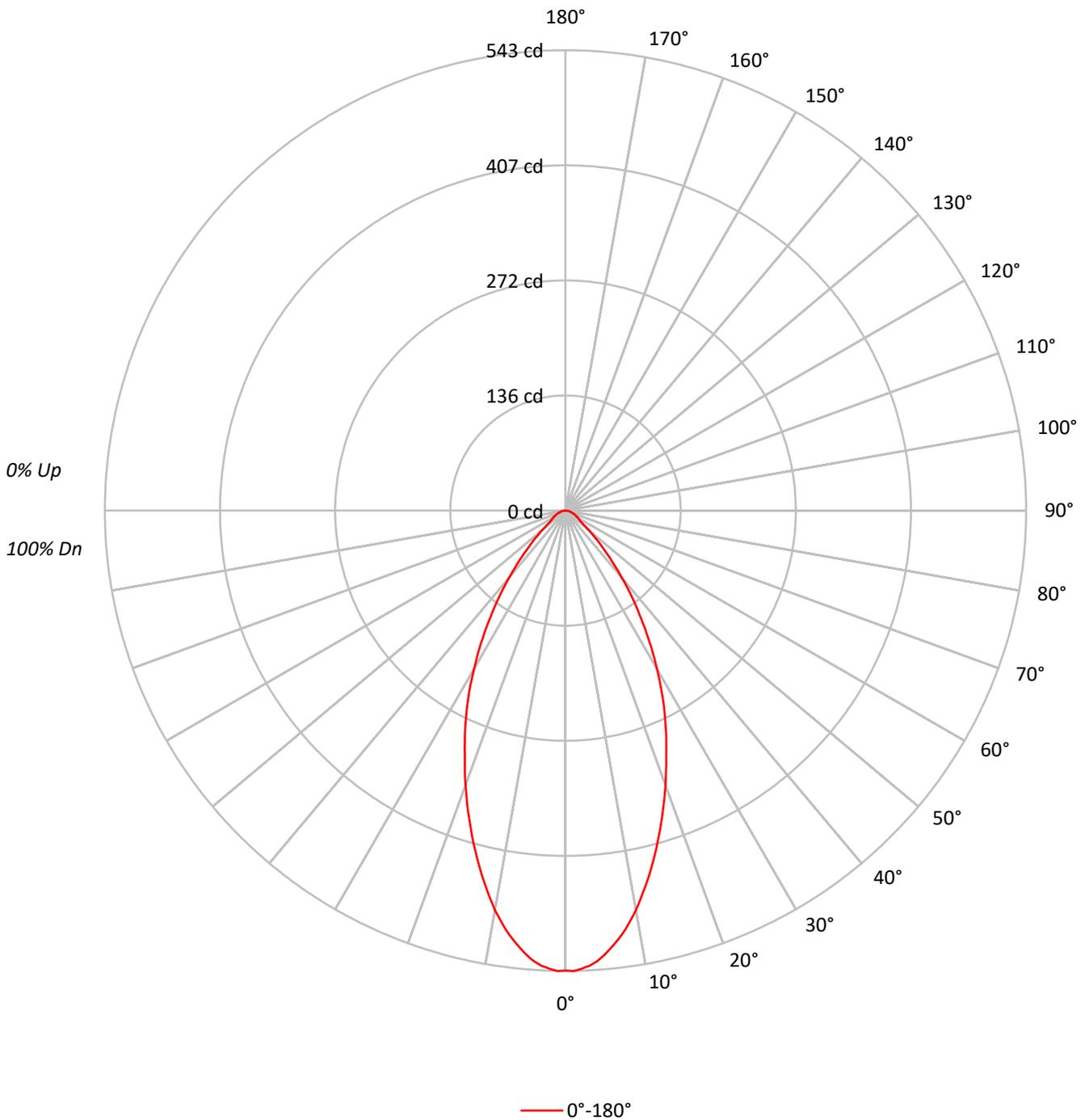
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 481.0 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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				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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91				91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83				83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76				76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70				70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65				65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60				60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55				55
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52				52
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48				48
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118982
5°	115804
10°	106522
15°	93758
20°	80414
25°	67552
30°	54616
35°	41546
40°	29570
45°	19506
50°	12076
55°	7952
60°	7236
65°	6641
70°	6283
75°	5676
80°	5430
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19506 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	10.1
10°-20°	115.0	23.9
20°-30°	127.6	26.5
30°-40°	97.4	20.2
40°-50°	49.9	10.4
50°-60°	20.5	4.3
60°-70°	12.8	2.7
70°-80°	7.2	1.5
80°-90°	2.1	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°	291.3	60.6
0°-40°	388.6	80.8
0°-60°	459.0	95.4
0°-90°	481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	543	
5°	526	49
15°	413	115
25°	279	128
35°	155	97
45°	63	50
55°	21	20
65°	13	13
75°	7	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	542.6
1°	543.2
2°	540.7
3°	537.7
4°	532.8
5°	526.1
6°	518.1
7°	509.6
8°	500.4
9°	489.4
10°	478.4
12.5°	446.6
15°	413.0
17.5°	378.8
20°	344.6
22.5°	310.4
25°	279.2
27.5°	248.1
30°	215.7
32.5°	185.1
35°	155.2
37.5°	128.9
40°	103.3
42.5°	81.3
45°	62.9
47.5°	47.7
50°	35.4
52.5°	26.3
55°	20.8
57.5°	18.9
60°	16.5
62.5°	14.7
65°	12.8
67.5°	11.0
70°	9.8
72.5°	7.9
75°	6.7
77.5°	5.5
80°	4.3
82.5°	3.1
85°	1.8
87.5°	0.6
90°	0.0

(END OF REPORT)