

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: P1245639

Luminaire Tested: P3A02R209024DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245639
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: P3A02R209024DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

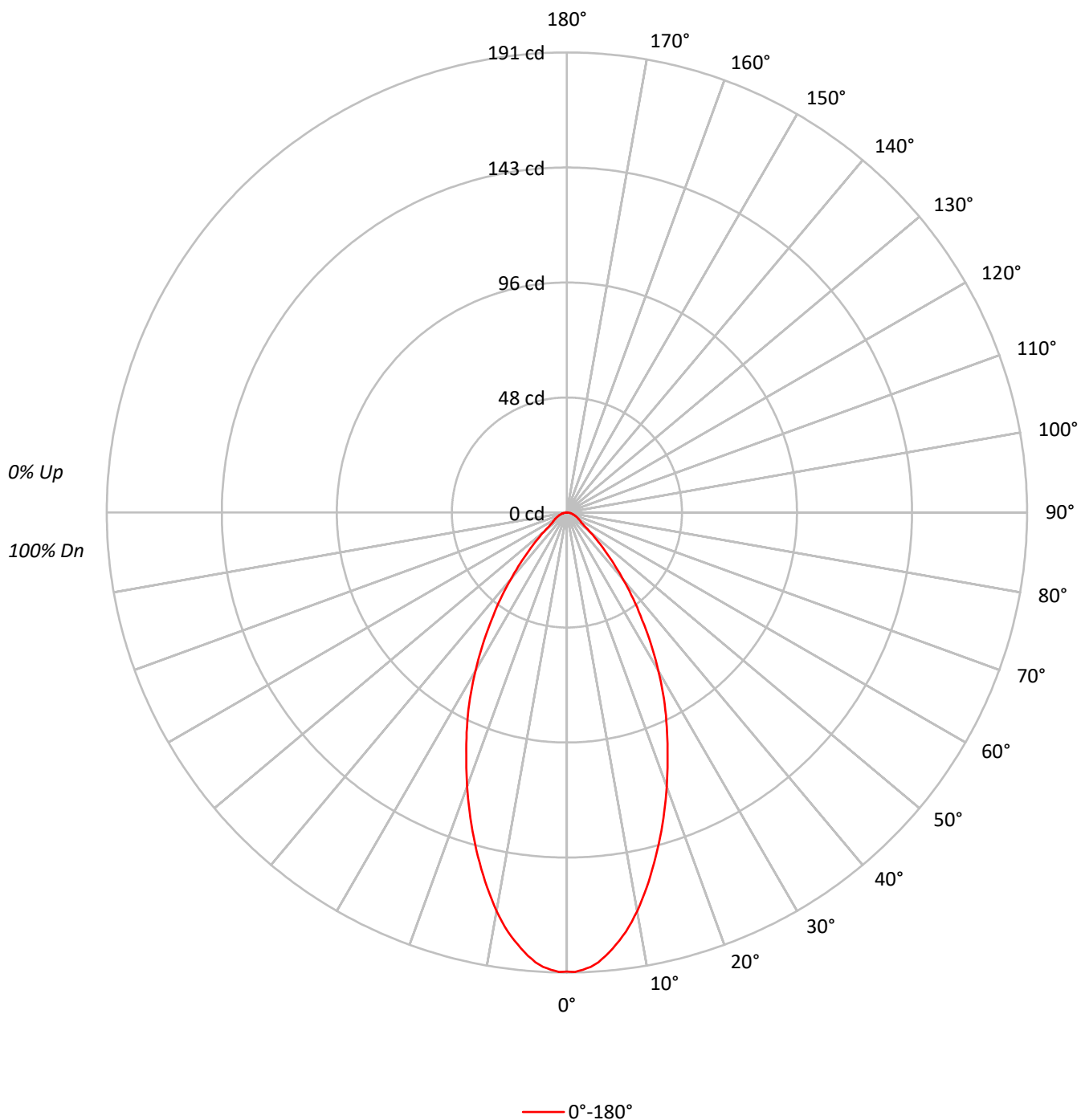
Lumens per Lamp: N/A
Luminaire Lumens: 169.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83		
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65		
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60		
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55		
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52		
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48		
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41795
5°	40678
10°	37430
15°	32940
20°	28259
25°	23735
30°	19193
35°	14589
40°	10391
45°	6853
50°	4264
55°	2791
60°	2544
65°	2335
70°	2180
75°	2033
80°	1894
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	10.1
10°-20°	40.4	23.9
20°-30°	44.9	26.5
30°-40°	34.2	20.2
40°-50°	17.5	10.4
50°-60°	7.2	4.3
60°-70°	4.5	2.7
70°-80°	2.5	1.5
80°-90°	0.7	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°	102.4	60.6
0°-40°	136.6	80.8
0°-60°	161.3	95.4
0°-90°	169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	169.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	191	
5°	185	17
15°	145	40
25°	98	45
35°	54	34
45°	22	18
55°	7	7
65°	4	5
75°	2	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	190.6
1°	190.8
2°	190.0
3°	188.9
4°	187.2
5°	184.8
6°	182.0
7°	179.0
8°	175.8
9°	172.0
10°	168.1
12.5°	156.9
15°	145.1
17.5°	133.1
20°	121.1
22.5°	109.1
25°	98.1
27.5°	87.2
30°	75.8
32.5°	65.0
35°	54.5
37.5°	45.3
40°	36.3
42.5°	28.6
45°	22.1
47.5°	16.7
50°	12.5
52.5°	9.2
55°	7.3
57.5°	6.7
60°	5.8
62.5°	5.2
65°	4.5
67.5°	3.9
70°	3.4
72.5°	2.8
75°	2.4
77.5°	1.9
80°	1.5
82.5°	1.1
85°	0.6
87.5°	0.2
90°	0.0

(END OF REPORT)