

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: P1263487

Luminaire Tested: P3A20R459727D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459727D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

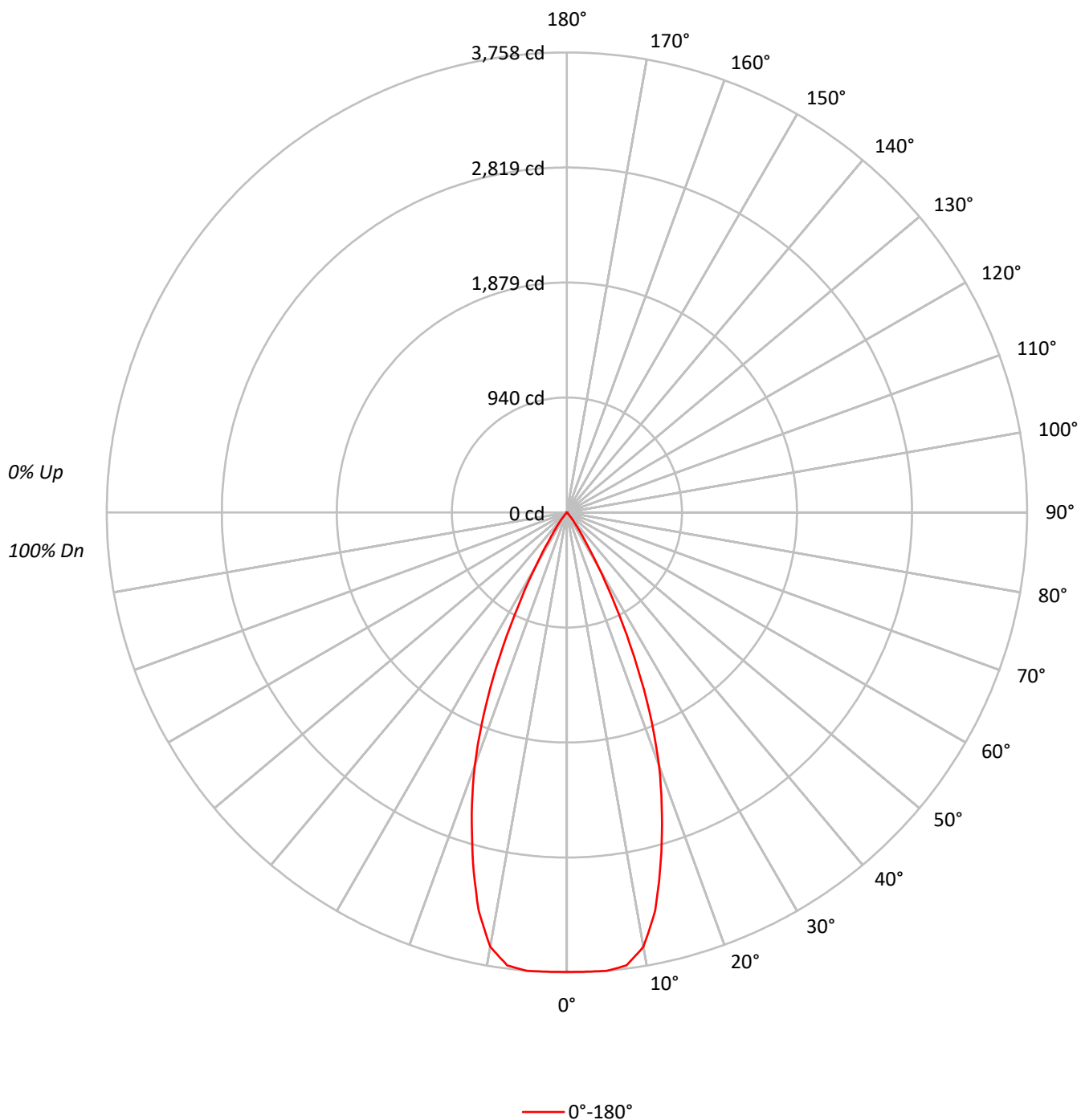
Lumens per Lamp: N/A
Luminaire Lumens: 1898.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87		
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83		
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79		
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75		
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72		
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69		
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66		
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	822895
5°	827271
10°	801856
15°	671945
20°	513658
25°	312695
30°	130121
35°	41680
40°	12967
45°	2636
50°	1944
55°	2179
60°	1842
65°	2179
70°	1795
75°	2372
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	18.7
10°-20°	813.5	42.9
20°-30°	585.8	30.9
30°-40°	121.9	6.4
40°-50°	11.1	0.6
50°-60°	4.6	0.2
60°-70°	3.6	0.2
70°-80°	2.4	0.1
80°-90°	0.6	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°	1753.7	92.4
0°-40°	1875.6	98.8
0°-60°	1891.4	99.7
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3753	
5°	3758	354
15°	2960	814
25°	1292	586
35°	156	122
45°	8	11
55°	6	5
65°	4	4
75°	3	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3752.7
2.5°	3754.1
5°	3758.3
7.5°	3731.4
10°	3601.2
12.5°	3329.4
15°	2959.9
17.5°	2582.0
20°	2201.2
22.5°	1763.8
25°	1292.4
27.5°	852.2
30°	513.9
32.5°	287.4
35°	155.7
37.5°	87.8
40°	45.3
42.5°	19.8
45°	8.5
47.5°	5.7
50°	5.7
52.5°	5.7
55°	5.7
57.5°	4.2
60°	4.2
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)