

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: P1299654

Luminaire Tested: P3AS17R20W2N902765DE010 E3DL1GPH\_5000K

Issue Date: 1/30/2026

**Test Information**

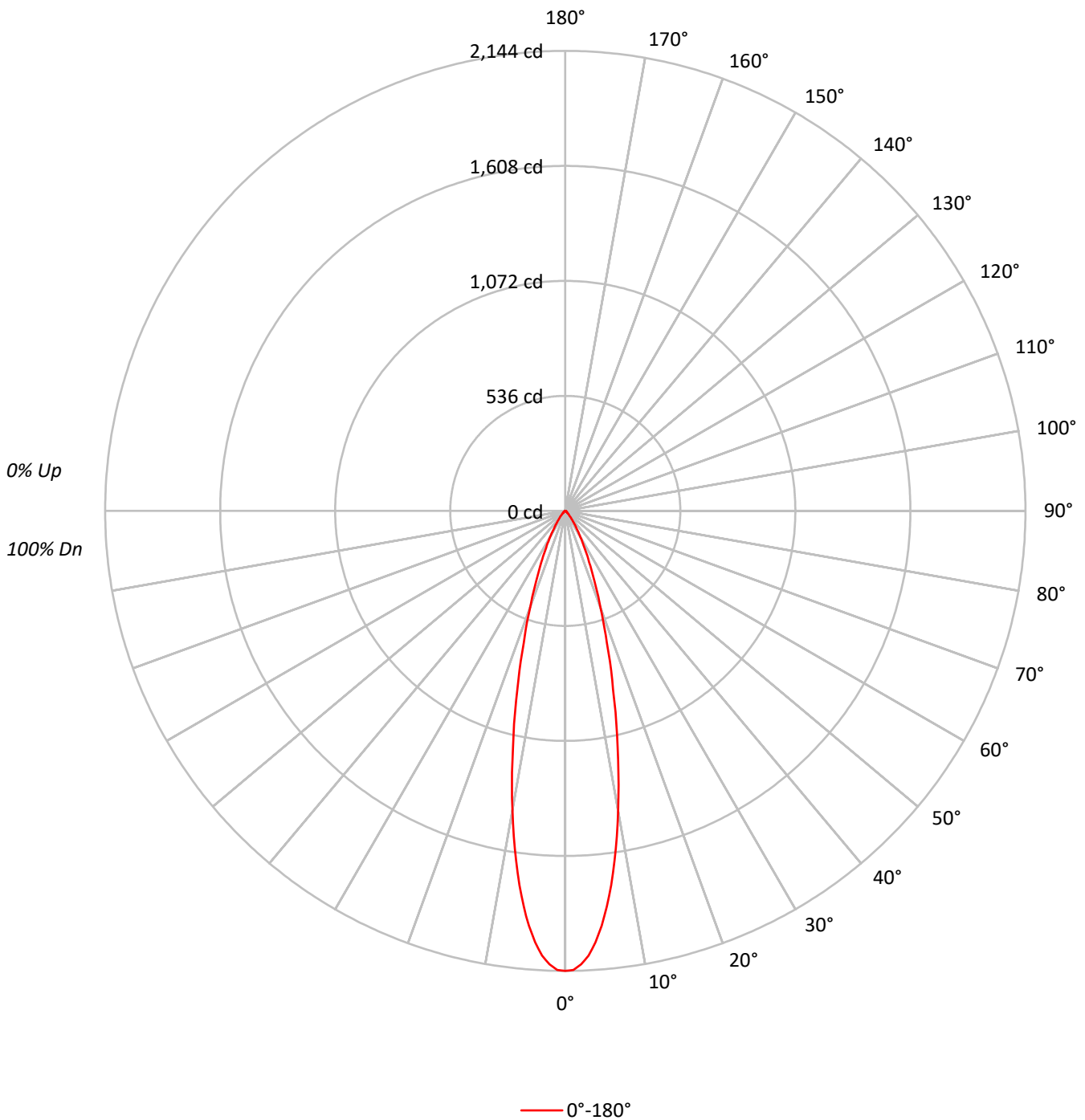
Test Method: LM-79-2019  
Report Number: P1299654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R20W2N902765DE010 E3DL1GPH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3DL1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 611.1 lumens  
Efficiency: N/A  
Efficacy: 31.5 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	87	87	87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83	83	83	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	79	79	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76	76	76	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73	73	73	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71	71	71	71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68	68	68	68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66	66	66	66

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

	0°
0°	470094
5°	427316
10°	315826
15°	195370
20°	111566
25°	63705
30°	35727
35°	19434
40°	10649
45°	5861
50°	3411
55°	2485
60°	2324
65°	2127
70°	1923
75°	2033
80°	1515
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5861 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.1	27.5
10°-20°	240.0	39.3
20°-30°	125.3	20.5
30°-40°	48.4	7.9
40°-50°	15.7	2.6
50°-60°	6.2	1.0
60°-70°	4.1	0.7
70°-80°	2.5	0.4
80°-90°	0.8	0.1
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°	533.4	87.3
0°-40°	581.8	95.2
0°-60°	603.7	98.8
0°-90°	611.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2144	
5°	1941	168
15°	861	240
25°	263	125
35°	73	48
45°	19	16
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2143.8
1°	2139.7
2°	2114.3
3°	2075.3
4°	2015.1
5°	1941.3
6°	1854.0
7°	1757.2
8°	1645.0
9°	1535.8
10°	1418.4
12.5°	1127.4
15°	860.6
17.5°	644.0
20°	478.1
22.5°	354.2
25°	263.3
27.5°	194.2
30°	141.1
32.5°	102.1
35°	72.6
37.5°	52.5
40°	37.2
42.5°	26.6
45°	18.9
47.5°	13.6
50°	10.0
52.5°	7.7
55°	6.5
57.5°	5.9
60°	5.3
62.5°	4.7
65°	4.1
67.5°	3.5
70°	3.0
72.5°	3.0
75°	2.4
77.5°	1.8
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)