

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: P1292067

Luminaire Tested: P3A09R20W2N902765DE010 E3DL1H\_3000K

Issue Date: 1/30/2026

**Test Information**

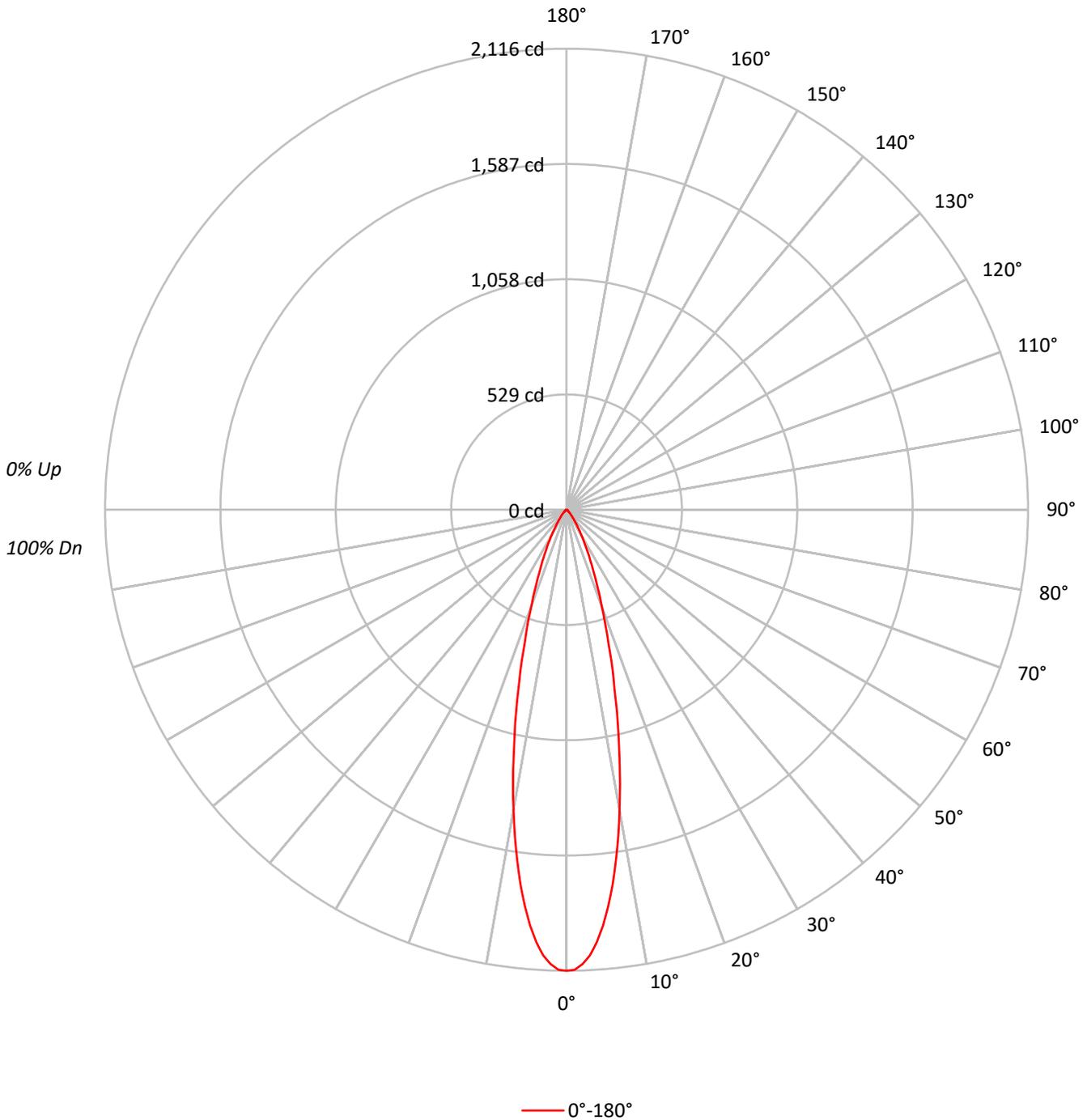
Test Method: LM-79-2019  
Report Number: P1292067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R20W2N902765DE010 E3DL1H\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
E3DL1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 603.0 lumens  
Efficiency: N/A  
Efficacy: 67.0 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): 9  
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	0
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	97	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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

	0°
0°	463932
5°	421725
10°	311684
15°	192805
20°	110096
25°	62858
30°	35246
35°	19194
40°	10505
45°	5768
50°	3377
55°	2447
60°	2281
65°	2127
70°	1859
75°	1949
80°	1515
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5768 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.9	27.5
10°-20°	236.8	39.3
20°-30°	123.6	20.5
30°-40°	47.8	7.9
40°-50°	15.5	2.6
50°-60°	6.1	1.0
60°-70°	4.0	0.7
70°-80°	2.4	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°	526.4	87.3
0°-40°	574.2	95.2
0°-60°	595.8	98.8
0°-90°	603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2116	
5°	1916	166
15°	849	237
25°	260	124
35°	72	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°	2115.7
1°	2111.7
2°	2086.6
3°	2048.2
4°	1988.7
5°	1915.9
6°	1829.7
7°	1734.2
8°	1623.5
9°	1515.7
10°	1399.8
12.5°	1112.6
15°	849.3
17.5°	635.5
20°	471.8
22.5°	349.5
25°	259.8
27.5°	191.7
30°	139.2
32.5°	100.8
35°	71.7
37.5°	51.8
40°	36.7
42.5°	26.2
45°	18.6
47.5°	13.4
50°	9.9
52.5°	7.6
55°	6.4
57.5°	5.8
60°	5.2
62.5°	4.7
65°	4.1
67.5°	3.5
70°	2.9
72.5°	2.9
75°	2.3
77.5°	1.7
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)