

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: P1288302

Luminaire Tested: P3A05R20W2N902765DE010 E3DLD1H\_3000K

Issue Date: 1/30/2026

**Test Information**

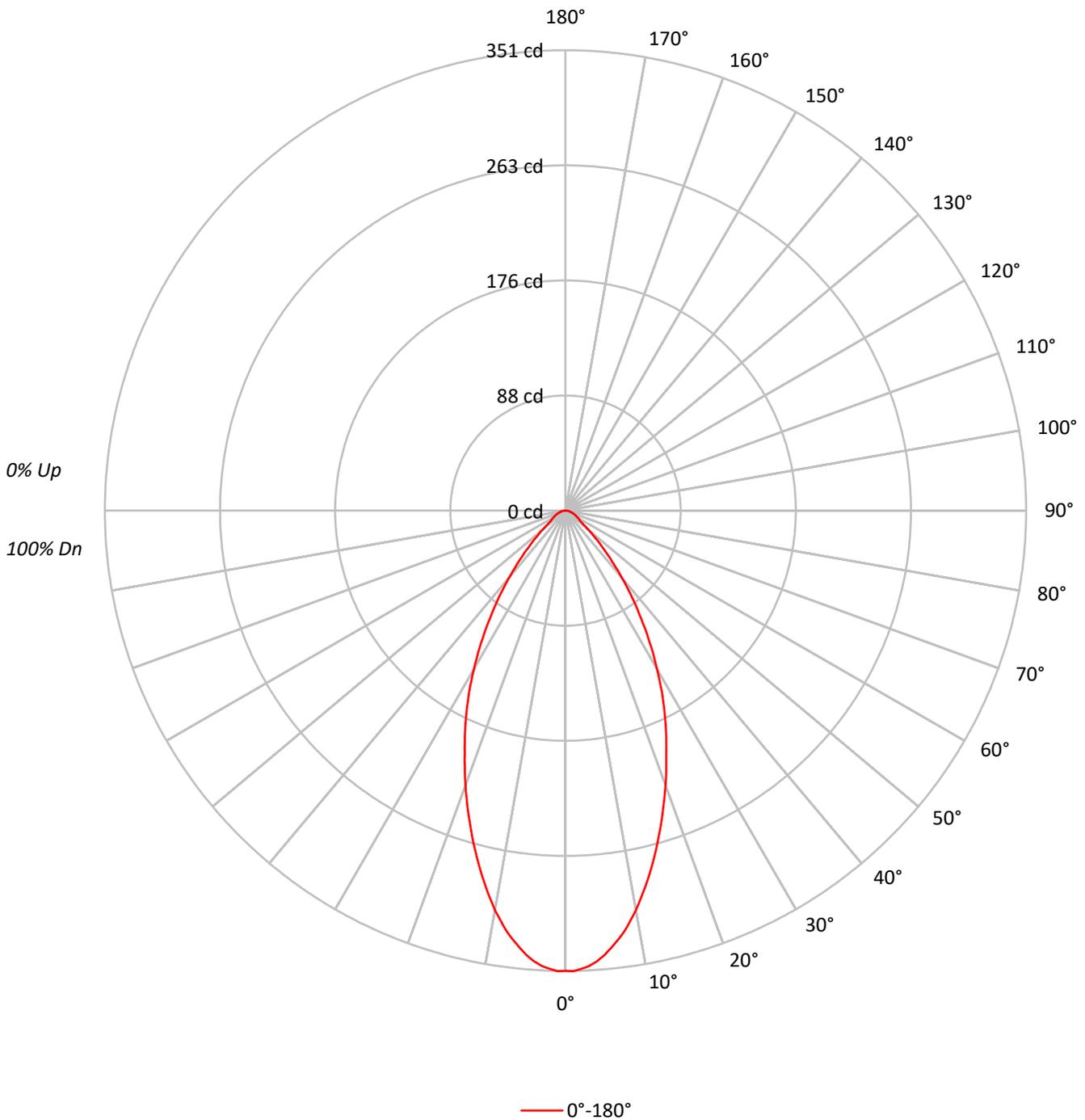
Test Method: LM-79-2019  
Report Number: P1288302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R20W2N902765DE010 E3DLD1H\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 311.0 lumens  
Efficiency: N/A  
Efficacy: 52.7 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): 5.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1288302  
CATALOG NUMBER: P3A05R20W2N902765DE010 E3DLD1H\_3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1288302

CATALOG NUMBER: P3A05R20W2N902765DE010 E3DLD1H\_3000K

**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°	76924
5°	74862
10°	68870
15°	60636
20°	51991
25°	43672
30°	35322
35°	26850
40°	19122
45°	12621
50°	7812
55°	5123
60°	4693
65°	4307
70°	4039
75°	3643
80°	3536
85°	3019

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12621 cd/sqm



TEST NUMBER: P1288302

CATALOG NUMBER: P3A05R20W2N902765DE010 E3DLD1H\_3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.5	10.1
10°-20°	74.3	23.9
20°-30°	82.5	26.5
30°-40°	63.0	20.2
40°-50°	32.2	10.4
50°-60°	13.2	4.3
60°-70°	8.3	2.7
70°-80°	4.6	1.5
80°-90°	1.4	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°	188.3	60.6
0°-40°	251.3	80.8
0°-60°	296.7	95.4
0°-90°	311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	351	
5°	340	31
15°	267	74
25°	180	83
35°	100	63
45°	41	32
55°	13	13
65°	8	8
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P1288302  
CATALOG NUMBER: P3A05R20W2N902765DE010 E3DLD1H\_3000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	350.8
1°	351.2
2°	349.6
3°	347.7
4°	344.5
5°	340.1
6°	335.0
7°	329.5
8°	323.6
9°	316.4
10°	309.3
12.5°	288.8
15°	267.1
17.5°	244.9
20°	222.8
22.5°	200.7
25°	180.5
27.5°	160.4
30°	139.5
32.5°	119.7
35°	100.3
37.5°	83.4
40°	66.8
42.5°	52.5
45°	40.7
47.5°	30.8
50°	22.9
52.5°	17.0
55°	13.4
57.5°	12.2
60°	10.7
62.5°	9.5
65°	8.3
67.5°	7.1
70°	6.3
72.5°	5.1
75°	4.3
77.5°	3.6
80°	2.8
82.5°	2.0
85°	1.2
87.5°	0.4
90°	0.0

(END OF REPORT)