

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: P1288752

Luminaire Tested: P3A05R30W2N902750DE010 E3D1WH\_2700K

Issue Date: 1/29/2026

**Test Information**

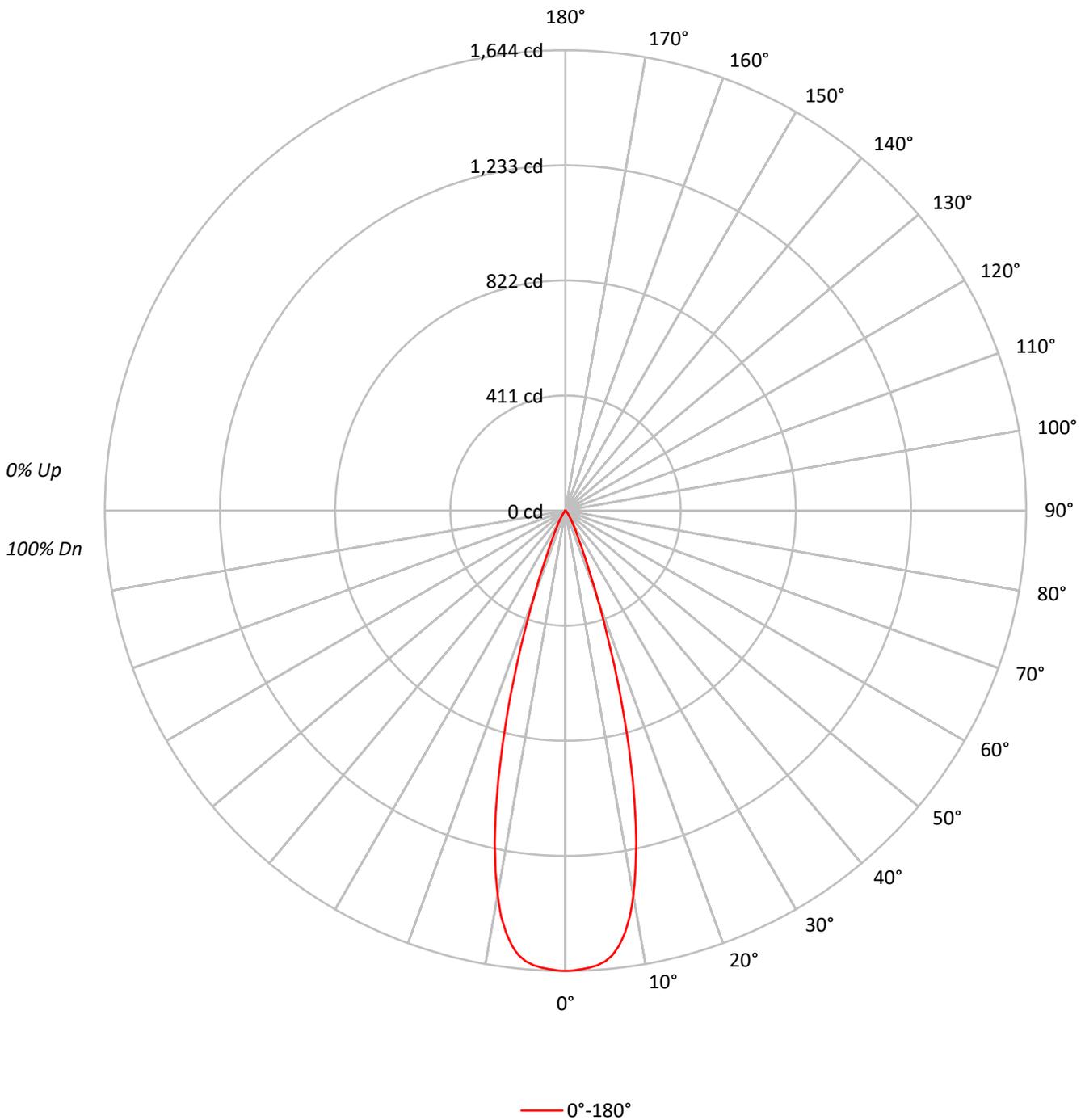
Test Method: LM-79-2019  
Report Number: P1288752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R30W2N902750DE010 E3D1WH\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 453.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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

TEST NUMBER: P1288752  
CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1WH\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1288752  
 CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1WH\_2700K

**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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	94	94	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	90	90	90
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	88	88	88
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	85	85	85
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	82	82	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	80	80	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	76	76	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	74	74	74

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

	0°
0°	360410
5°	355711
10°	310571
15°	197413
20°	78220
25°	26131
30°	12154
35°	5514
40°	2118
45°	1023
50°	307
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1023 cd/sqm



TEST NUMBER: P1288752

CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1WH\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.7	32.6
10°-20°	229.1	50.6
20°-30°	59.1	13.0
30°-40°	13.9	3.1
40°-50°	2.7	0.6
50°-60°	0.3	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	436.0	96.2
0°-40°	449.8	99.3
0°-60°	452.9	100.0
0°-90°	453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	453.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1644	
5°	1616	148
15°	870	229
25°	108	59
35°	21	14
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1288752  
CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1WH\_2700K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1643.6
1°	1642.4
2°	1638.6
3°	1634.2
4°	1627.6
5°	1616.0
6°	1597.2
7°	1565.9
8°	1523.2
9°	1467.5
10°	1394.8
11°	1308.5
12°	1214.2
13°	1105.7
14°	992.1
15°	869.6
16°	749.5
17°	633.8
18°	522.8
19°	421.0
20°	335.2
21°	263.8
22°	207.5
23°	164.2
24°	131.5
25°	108.0
26°	90.0
27°	76.5
28°	66.1
29°	56.6
30°	48.0
32.5°	30.2
35°	20.6
37.5°	12.8
40°	7.4
42.5°	4.9
45°	3.3
47.5°	1.9
50°	0.9
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2



TEST NUMBER: P1288752  
CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1WH\_2700K

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)