

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: P1303165

Luminaire Tested: P3RT09R509027DE010 E3CBUS1MW

Issue Date: 1/29/2026

**Test Information**

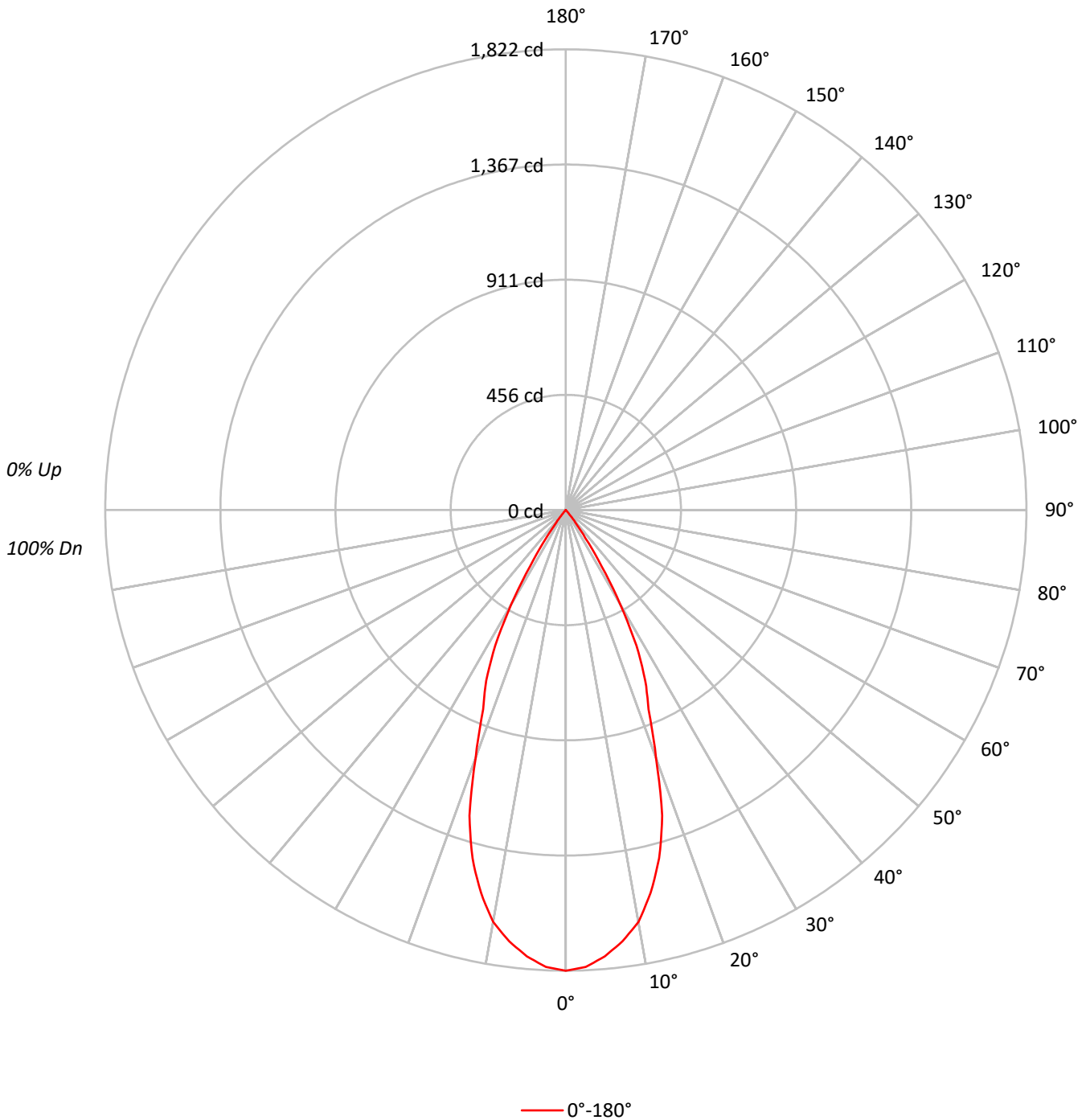
Test Method: LM-79-2019  
Report Number: P1303165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-91)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT09R509027DE010 E3CBUS1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 991.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.72  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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	99	98	97	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	93	92	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	91	89	87	86
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86	86	84	83	82
4	101	95	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	82	82	81	79	78
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	78	78	77	75	74
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74	74	73	72	70
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	77	74	72	70	71	69	68	67
8	86	78	73	69	85	77	72	69	76	72	69	75	71	69	74	71	68	67	67	66	65	64
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64	64	63	62	61
10	79	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61	61	60	59	58

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

	0°
0°	399551
5°	389962
10°	368397
15°	323770
20°	243551
25°	180059
30°	109232
35°	36112
40°	6355
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.4	16.7
10°-20°	387.8	39.1
20°-30°	332.6	33.6
30°-40°	102.6	10.4
40°-50°	2.6	0.3
50°-60°	0.0	0.0
60°-70°	0.0	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°	885.9	89.4
0°-40°	988.4	99.7
0°-60°	991.0	100.0
0°-90°	991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	991.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1822	
5°	1772	165
15°	1426	388
25°	744	333
35°	135	103
45°	0	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1822.1
2.5°	1808.7
5°	1771.6
7.5°	1719.8
10°	1654.5
12.5°	1550.7
15°	1426.2
17.5°	1267.6
20°	1043.7
22.5°	853.9
25°	744.2
27.5°	604.9
30°	431.4
32.5°	262.4
35°	134.9
37.5°	60.8
40°	22.2
42.5°	3.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
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)