

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: P1303198

Luminaire Tested: P3RT13R509027DE010 E3CBUS1MW

Issue Date: 1/29/2026

**Test Information**

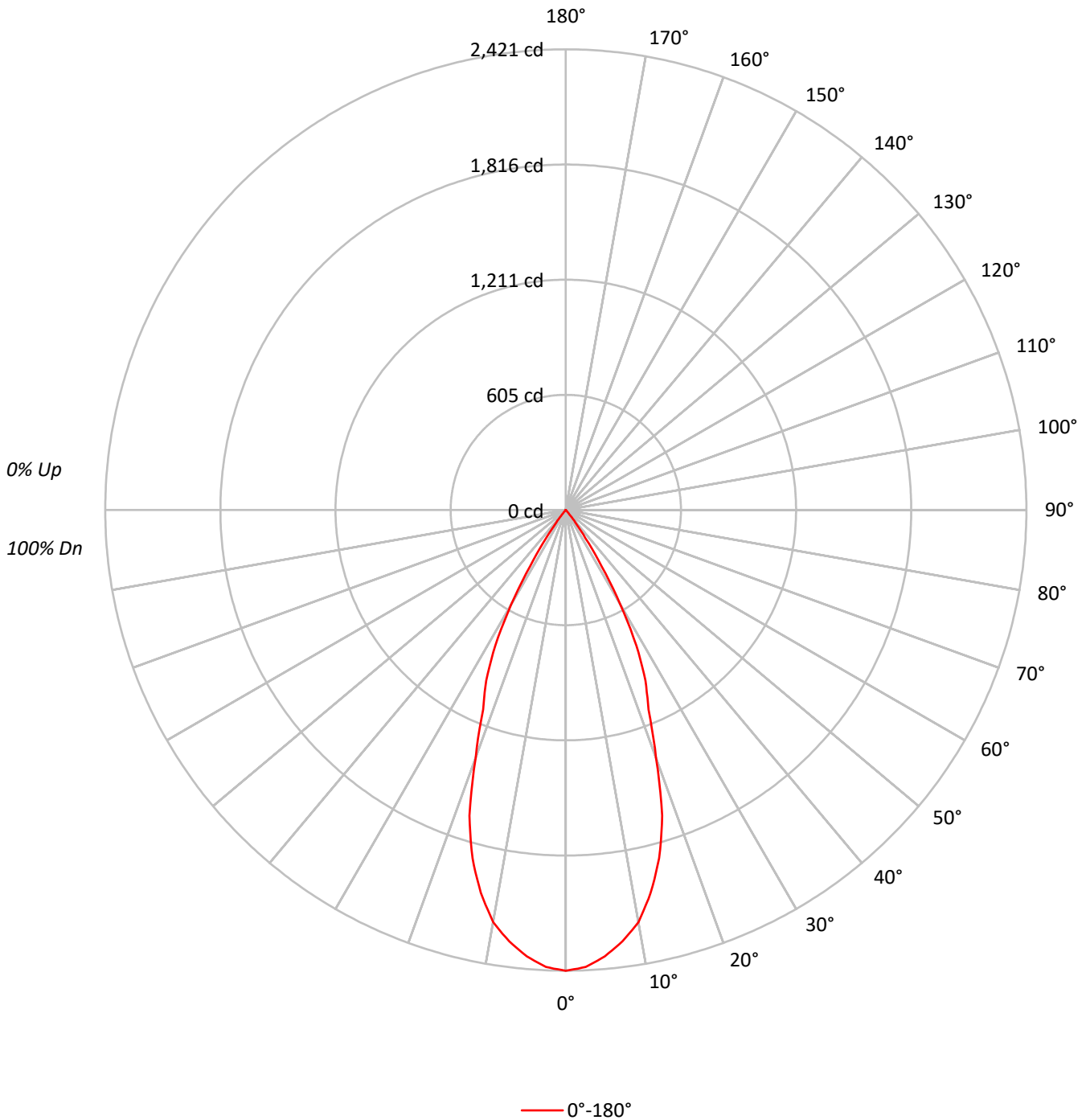
Test Method: LM-79-2019  
Report Number: P1303198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-91)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT13R509027DE010 E3CBUS1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1317.0 lumens  
Efficiency: N/A  
Efficacy: 90.2 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): 14.6  
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

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### Luminous Intensity Polar Plot





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**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	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	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86	86	86	86
4	101	95	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	82	82	82	82
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	78	78	78	78
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74	74	74	74
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	77	74	72	70	70	70	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	69	74	71	68	67	67	67	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64	64	64	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61	61	61	61

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

	0°
0°	530966
5°	518247
10°	489592
15°	430286
20°	323685
25°	239312
30°	145162
35°	47997
40°	8473
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: 45°  
 Luminance: 0 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.8	16.7
10°-20°	515.4	39.1
20°-30°	442.0	33.6
30°-40°	136.3	10.4
40°-50°	3.4	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°	1177.3	89.4
0°-40°	1313.6	99.7
0°-60°	1317.0	100.0
0°-90°	1317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2421	
5°	2354	220
15°	1895	515
25°	989	442
35°	179	136
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°	2421.4
2.5°	2403.7
5°	2354.4
7.5°	2285.5
10°	2198.8
12.5°	2060.9
15°	1895.4
17.5°	1684.6
20°	1387.1
22.5°	1134.9
25°	989.1
27.5°	803.9
30°	573.3
32.5°	348.7
35°	179.3
37.5°	80.8
40°	29.6
42.5°	3.9
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)