

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: P1304452

Luminaire Tested: P3RT02R109740DE010 E3PHUS1MW

Issue Date: 1/30/2026

**Test Information**

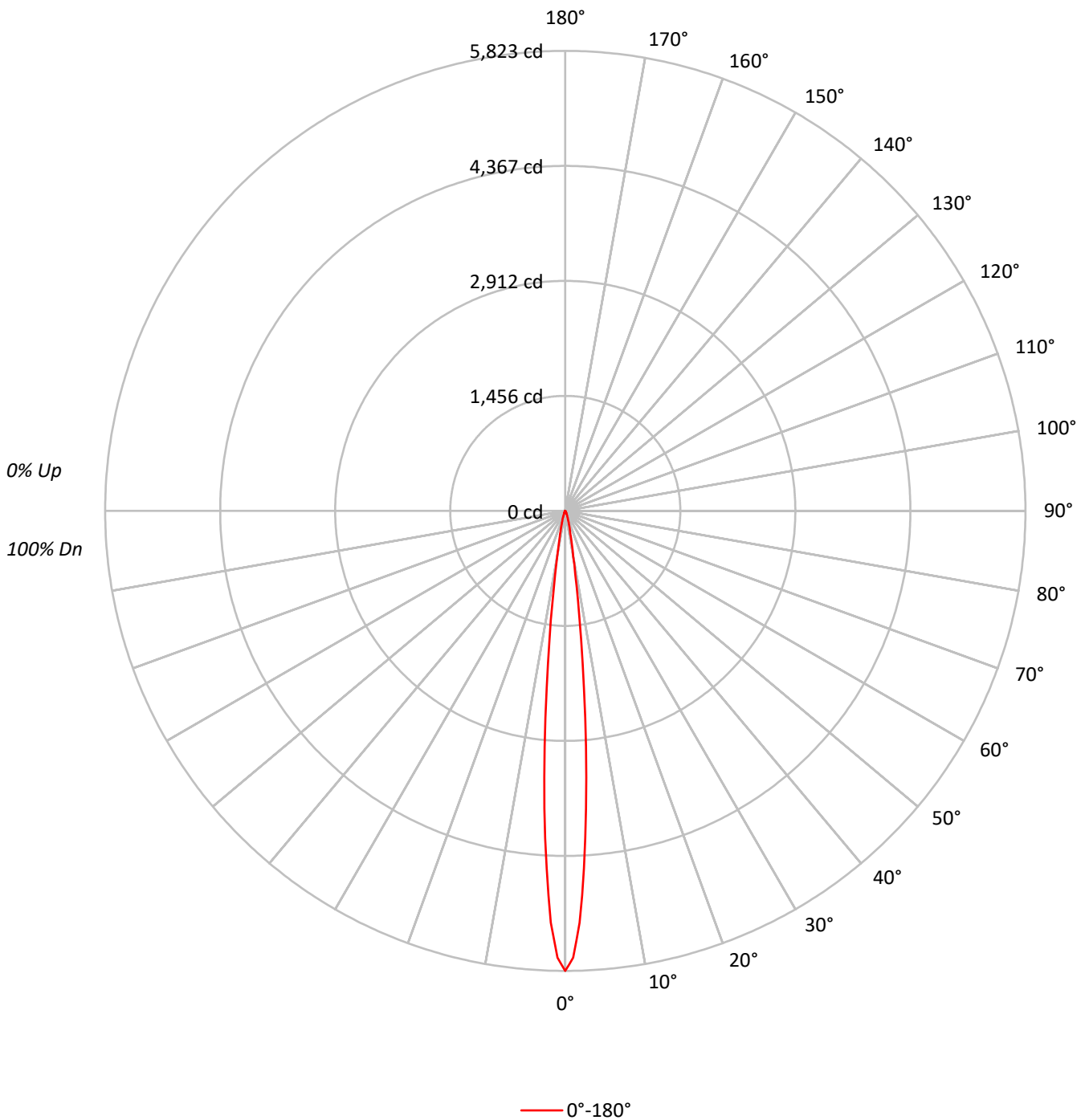
Test Method: LM-79-2019  
Report Number: P1304452  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT02R109740DE010 E3PHUS1MW  
Description: 3in Adjustable LED luminaire with, R10 optic, 4000K CCT AND, 97CRI , E3PHUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 282.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Spacing Criteria (0/90/45): 0.18 / 0.18 / 0.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.8  
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	100	100	100
1	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	99	99	99	99
2	113	110	108	106	111	109	107	105	106	104	103	103	102	101	100	99	98	98	97	97	97
3	111	107	104	102	109	106	103	101	104	102	100	101	100	98	99	98	97	96	96	95	95
4	109	105	102	99	107	104	101	99	102	99	98	100	98	97	98	97	96	95	95	94	93
5	107	102	99	97	105	101	99	97	100	98	96	99	97	95	97	96	94	93	92	92	91
6	105	100	97	95	104	100	97	95	98	96	94	97	95	94	96	95	93	92	91	91	90
7	103	99	96	93	102	98	95	93	97	95	93	96	94	92	95	93	92	91	90	90	89
8	102	97	94	92	101	97	94	92	96	93	92	95	93	91	94	92	91	90	89	89	88
9	100	96	93	91	100	95	93	91	95	92	90	94	92	90	93	91	90	89	88	88	87
10	99	94	92	90	98	94	91	90	94	91	89	93	91	89	92	91	89	88	87	87	86

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

	0°
0°	1276849
5°	659628
10°	129635
15°	40817
20°	17828
25°	7888
30°	4254
35°	2249
40°	802
45°	279
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: 47.5°  
 Luminance: 292 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.6	71.5
10°-20°	57.3	20.3
20°-30°	16.7	5.9
30°-40°	5.5	1.9
40°-50°	1.0	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°	275.6	97.7
0°-40°	281.0	99.7
0°-60°	282.0	100.0
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5823	
5°	2997	202
15°	180	57
25°	33	17
35°	8	5
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5822.9
1°	5655.2
2°	5216.4
3°	4528.1
4°	3775.4
5°	2996.7
6°	2259.8
7°	1636.7
8°	1151.3
9°	809.5
10°	582.2
11°	431.3
12°	331.6
13°	266.4
14°	217.0
15°	179.8
17.5°	119.2
20°	76.4
22.5°	48.4
25°	32.6
27.5°	23.3
30°	16.8
32.5°	12.1
35°	8.4
37.5°	5.6
40°	2.8
42.5°	1.9
45°	0.9
47.5°	0.9
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



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)