

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: P1245503

Luminaire Tested: P3RT02R089027DE010 E3PHUSR1MW

Issue Date: 1/30/2026

**Test Information**

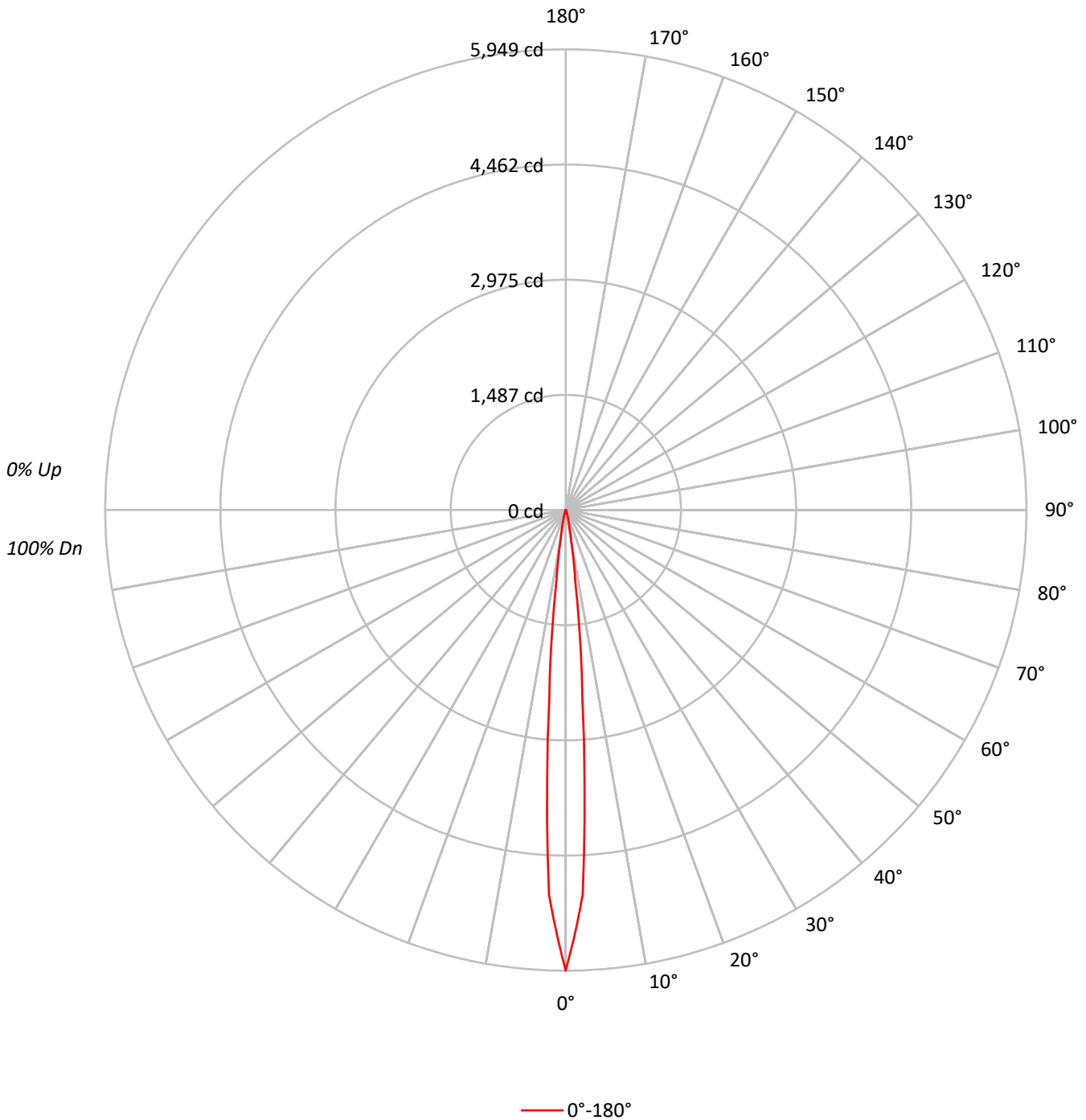
Test Method: LM-79-2019  
Report Number: P1245503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2408-211-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT02R089027DE010 E3PHUSR1MW  
Description: 3in Adjustable LED luminaire with, R08 optic, 2700K CCT AND, 90CRI , E3PHUSR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 230.0 lumens  
Efficiency: N/A  
Efficacy: 46.9 lumens/watt  
Spacing Criteria (0/90/45): 0.16 / 0.16 / 0.16  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 4.9  
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

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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	111	108	106	111	109	107	105	106	104	103	103	102	101	101	100	99	97	97	97	97
3	111	108	105	103	109	106	104	102	104	102	100	102	100	99	100	98	97	96	96	96	96
4	109	105	102	100	108	104	101	99	102	100	98	100	99	97	99	97	96	95	95	95	95
5	107	103	100	98	106	102	99	97	101	98	97	99	97	96	98	96	95	94	94	94	94
6	105	101	98	96	104	100	98	96	99	97	95	98	96	95	97	95	94	93	93	93	93
7	104	100	97	95	103	99	96	94	98	96	94	97	95	94	96	94	93	92	92	92	92
8	103	98	95	93	102	98	95	93	97	95	93	96	94	93	95	94	92	91	91	91	91
9	101	97	94	92	101	97	94	92	96	94	92	95	93	92	95	93	92	91	91	91	91
10	100	96	93	91	100	96	93	91	95	93	91	94	92	91	94	92	91	90	90	90	90

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

	0°
0°	1304479
5°	543956
10°	87551
15°	25085
20°	8447
25°	3726
30°	2076
35°	1446
40°	1288
45°	837
50°	614
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 837 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.4	77.1
10°-20°	37.1	16.1
20°-30°	8.1	3.5
30°-40°	3.5	1.5
40°-50°	2.1	0.9
50°-60°	0.9	0.4
60°-70°	0.8	0.3
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°	222.6	96.8
0°-40°	226.1	98.3
0°-60°	229.2	99.7
0°-90°	230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5949	
5°	2471	177
15°	110	37
25°	15	8
35°	5	3
45°	3	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5948.9
2.5°	4972.4
5°	2471.2
7.5°	921.3
10°	393.2
12.5°	202.9
15°	110.5
17.5°	62.5
20°	36.2
22.5°	23.6
25°	15.4
27.5°	11.8
30°	8.2
32.5°	6.3
35°	5.4
37.5°	4.5
40°	4.5
42.5°	3.6
45°	2.7
47.5°	1.8
50°	1.8
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
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)