

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: P1304609

Luminaire Tested: P3RT05R459827DE010 E3CBUS1MW

Issue Date: 1/29/2026

**Test Information**

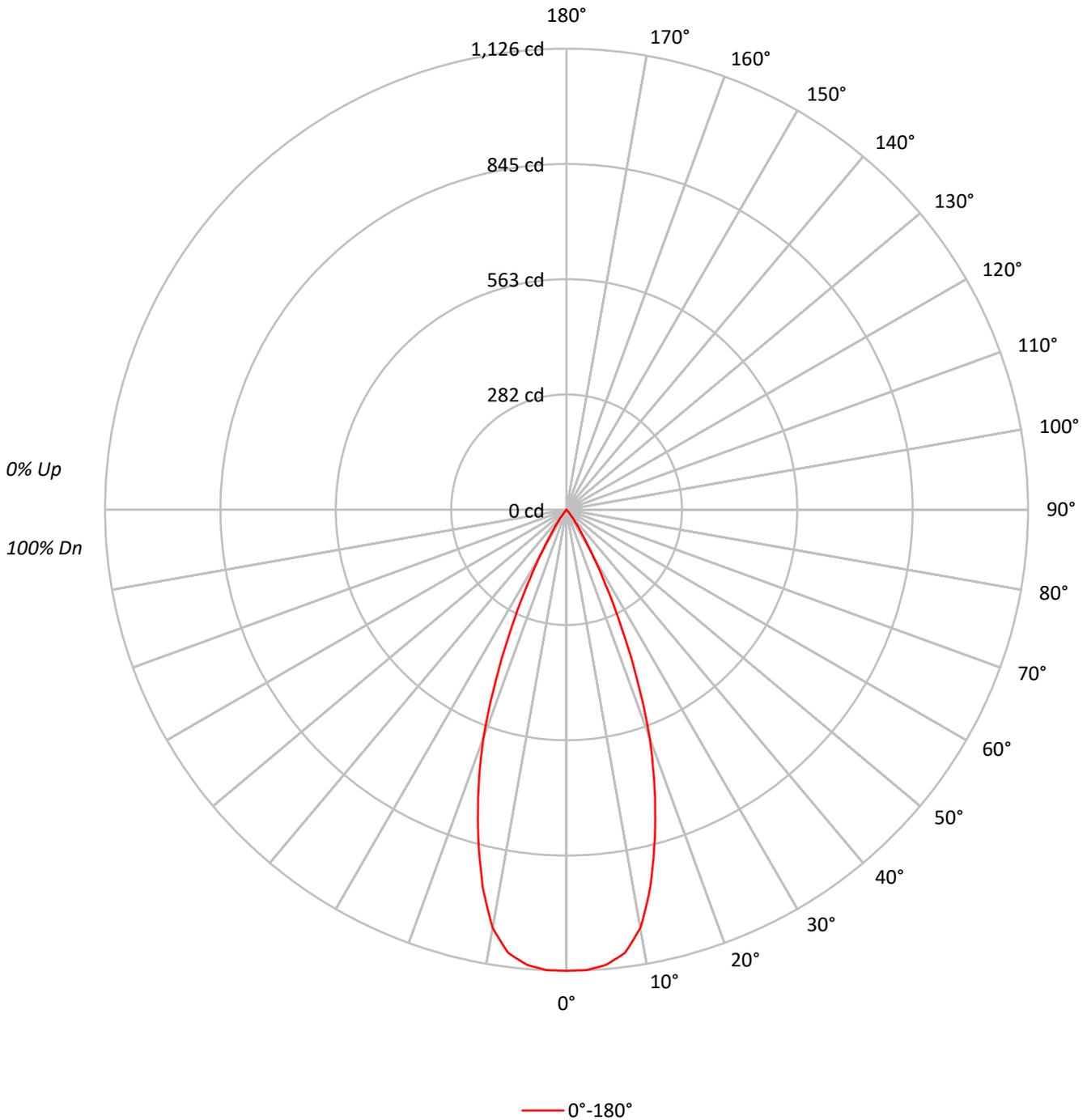
Test Method: LM-79-2019  
Report Number: P1304609  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-96)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT05R459827DE010 E3CBUS1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 509.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96	95	94
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91	90	89
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87	86	85
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84	83	82
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80	79	78
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77	76	75
7	92	84	79	76	90	84	79	76	82	78	76	81	78	75	80	77	75	74	73	72
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71	70	69
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68	67	66
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65	64	63

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

	0°
0°	246910
5°	245542
10°	230902
15°	188741
20°	138355
25°	76698
30°	30663
35°	10012
40°	2347
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°	104.1	20.5
10°-20°	227.7	44.7
20°-30°	147.5	29.0
30°-40°	28.6	5.6
40°-50°	1.0	0.2
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°	479.4	94.2
0°-40°	508.0	99.8
0°-60°	509.0	100.0
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1126	
5°	1116	104
15°	831	228
25°	317	148
35°	37	29
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1126.0
2.5°	1125.2
5°	1115.5
7.5°	1091.6
10°	1037.0
12.5°	944.3
15°	831.4
17.5°	714.7
20°	592.9
22.5°	451.6
25°	317.0
27.5°	205.6
30°	121.1
32.5°	68.8
35°	37.4
37.5°	19.4
40°	8.2
42.5°	1.5
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)