

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: P1303091

Luminaire Tested: P3RT02R109027DE010 E3PHUS1MMS

Issue Date: 1/30/2026

**Test Information**

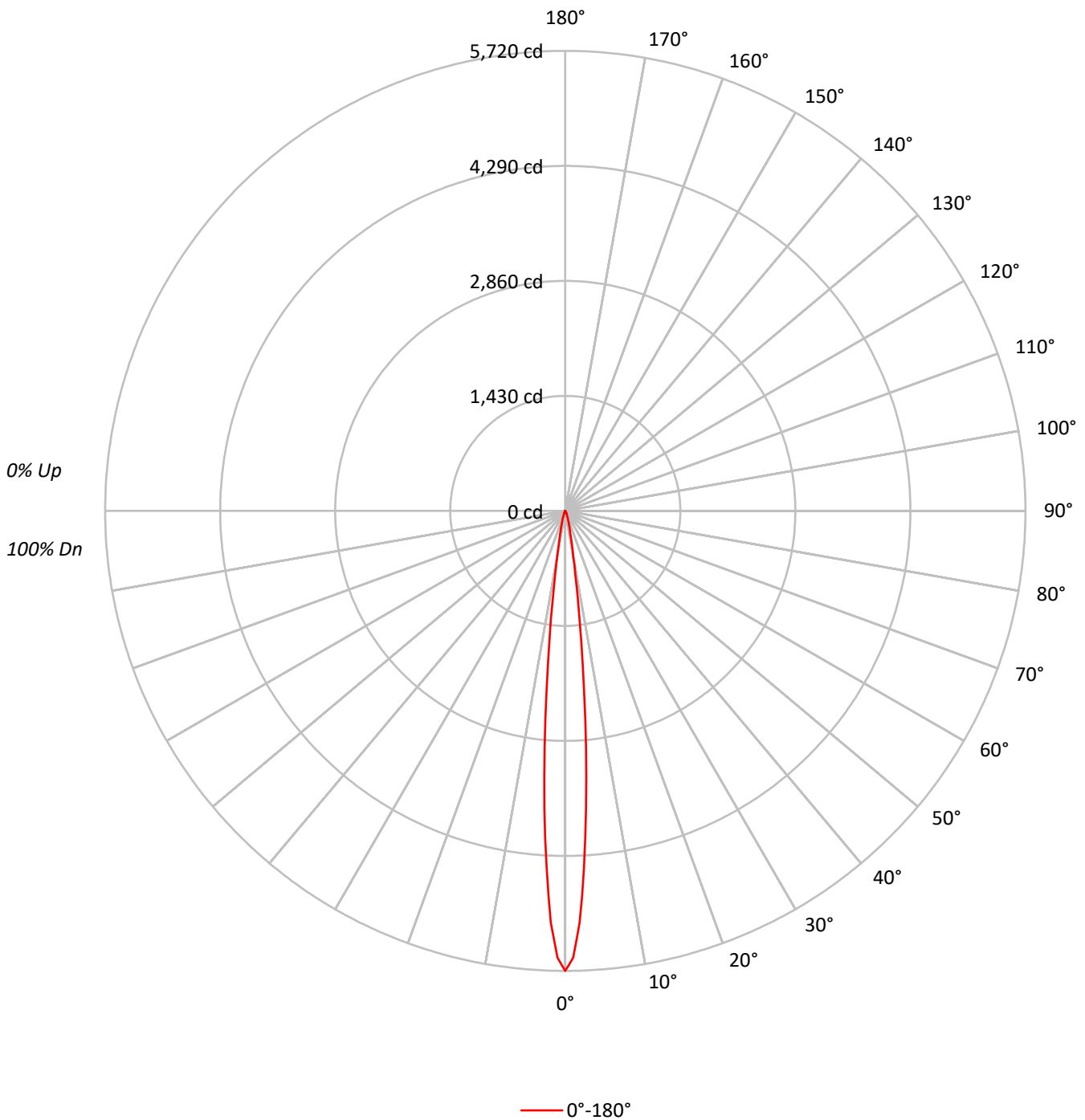
Test Method: LM-79-2019  
Report Number: P1303091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT02R109027DE010 E3PHUS1MMS  
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 90CRI , E3PHUS1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 277.0 lumens  
Efficiency: N/A  
Efficacy: 72.9 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 (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

TEST NUMBER: P1303091  
CATALOG NUMBER: P3RT02R109027DE010 E3PHUS1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1303091  
 CATALOG NUMBER: P3RT02R109027DE010 E3PHUS1MMS

**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	98	98	97
3	111	107	104	102	109	106	103	101	104	102	100	101	100	98	99	98	97	97	97	97	96
4	109	105	102	99	107	104	101	99	102	99	98	100	98	97	98	97	96	96	96	96	95
5	107	102	99	97	105	101	99	97	100	98	96	99	97	95	97	96	94	94	94	94	93
6	105	100	97	95	104	100	97	95	98	96	94	97	95	94	96	95	93	93	93	93	92
7	103	99	96	93	102	98	95	93	97	95	93	96	94	92	95	93	92	92	92	92	91
8	102	97	94	92	101	97	94	92	96	93	92	95	93	91	94	92	91	91	91	91	90
9	100	96	93	91	100	95	93	91	95	92	91	94	92	90	93	91	90	90	90	90	89
10	99	94	92	90	98	94	91	90	94	91	89	93	91	89	92	91	89	89	89	89	88

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

	0°
0°	1254198
5°	647918
10°	127341
15°	40091
20°	17502
25°	7742
30°	4178
35°	2195
40°	773
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



TEST NUMBER: P1303091

CATALOG NUMBER: P3RT02R109027DE010 E3PHUS1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.0	71.5
10°-20°	56.3	20.3
20°-30°	16.4	5.9
30°-40°	5.4	1.9
40°-50°	0.9	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°	270.7	97.7
0°-40°	276.0	99.7
0°-60°	277.0	100.0
0°-90°	277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5720	
5°	2944	198
15°	177	56
25°	32	16
35°	8	5
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1303091  
CATALOG NUMBER: P3RT02R109027DE010 E3PHUS1MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5719.6
1°	5554.9
2°	5124.0
3°	4447.8
4°	3708.5
5°	2943.5
6°	2219.8
7°	1607.6
8°	1130.9
9°	795.1
10°	571.9
11°	423.6
12°	325.7
13°	261.7
14°	213.2
15°	176.6
17.5°	117.1
20°	75.0
22.5°	47.6
25°	32.0
27.5°	22.9
30°	16.5
32.5°	11.9
35°	8.2
37.5°	5.5
40°	2.7
42.5°	1.8
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



TEST NUMBER: P1303091  
CATALOG NUMBER: P3RT02R109027DE010 E3PHUS1MMS

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)