

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: P1303180

Luminaire Tested: P3RT10R129027DE010 E3PHUS1MW

Issue Date: 1/30/2026

**Test Information**

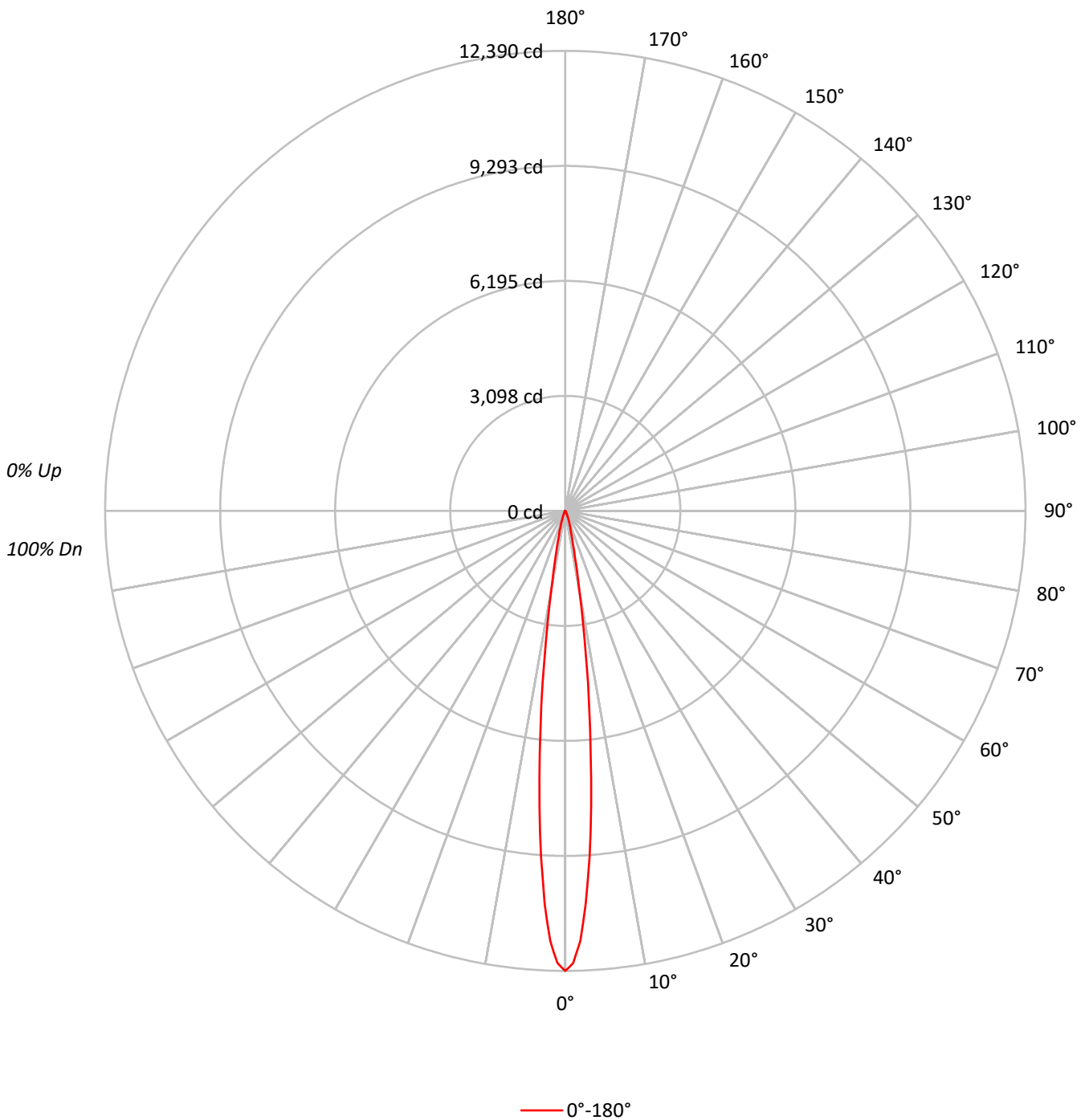
Test Method: LM-79-2019  
Report Number: P1303180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT10R129027DE010 E3PHUS1MW  
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 90CRI , E3PHUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 841.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.7  
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: P1303180  
CATALOG NUMBER: P3RT10R129027DE010 E3PHUS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1303180  
 CATALOG NUMBER: P3RT10R129027DE010 E3PHUS1MW

**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	109	108	107	106	104	104	103	101	101	100	98	98	98	98
2	113	110	108	106	111	108	106	104	105	104	102	103	101	100	100	99	98	97	97	97	97
3	110	107	104	102	109	105	103	101	103	101	99	101	99	98	99	98	96	95	95	95	95
4	108	104	101	98	107	103	100	98	101	99	97	99	97	96	98	96	95	94	94	94	94
5	106	102	98	96	105	101	98	96	99	97	95	98	96	94	97	95	93	92	92	92	92
6	104	99	96	94	103	99	96	94	98	95	93	96	94	93	95	93	92	91	91	91	91
7	102	98	94	92	101	97	94	92	96	93	92	95	93	91	94	92	91	90	90	90	90
8	101	96	93	91	100	95	93	90	95	92	90	94	92	90	93	91	90	89	89	89	89
9	99	94	91	89	98	94	91	89	93	91	89	93	90	89	92	90	88	88	88	88	88
10	98	93	90	88	97	93	90	88	92	90	88	91	89	88	91	89	87	87	87	87	87

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

	0°
0°	2716866
5°	1755443
10°	495293
15°	140046
20°	58548
25°	25937
30°	13243
35°	6987
40°	3006
45°	806
50°	887
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 50°  
 Luminance: 887 cd/sqm



TEST NUMBER: P1303180  
 CATALOG NUMBER: P3RT10R129027DE010 E3PHUS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.9	66.8
10°-20°	203.9	24.2
20°-30°	54.6	6.5
30°-40°	17.2	2.0
40°-50°	3.2	0.4
50°-60°	0.3	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°	820.3	97.5
0°-40°	837.5	99.6
0°-60°	841.0	100.0
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12390	
5°	7975	562
15°	617	204
25°	107	55
35°	26	17
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1303180  
CATALOG NUMBER: P3RT10R129027DE010 E3PHUS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12389.9
1°	12180.8
2°	11592.7
3°	10586.3
4°	9336.9
5°	7975.0
6°	6555.7
7°	5285.3
8°	4067.2
9°	3026.9
10°	2224.4
11°	1638.9
12°	1233.8
13°	956.7
14°	758.0
15°	616.9
17.5°	392.1
20°	250.9
22.5°	162.1
25°	107.2
27.5°	73.2
30°	52.3
32.5°	36.6
35°	26.1
37.5°	18.3
40°	10.5
42.5°	5.2
45°	2.6
47.5°	2.6
50°	2.6
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: P1303180  
CATALOG NUMBER: P3RT10R129027DE010 E3PHUS1MW

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)