

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: P1262818

Luminaire Tested: P3A13R559727DE010 E3CD1MW

Issue Date: 1/30/2026

**Test Information**

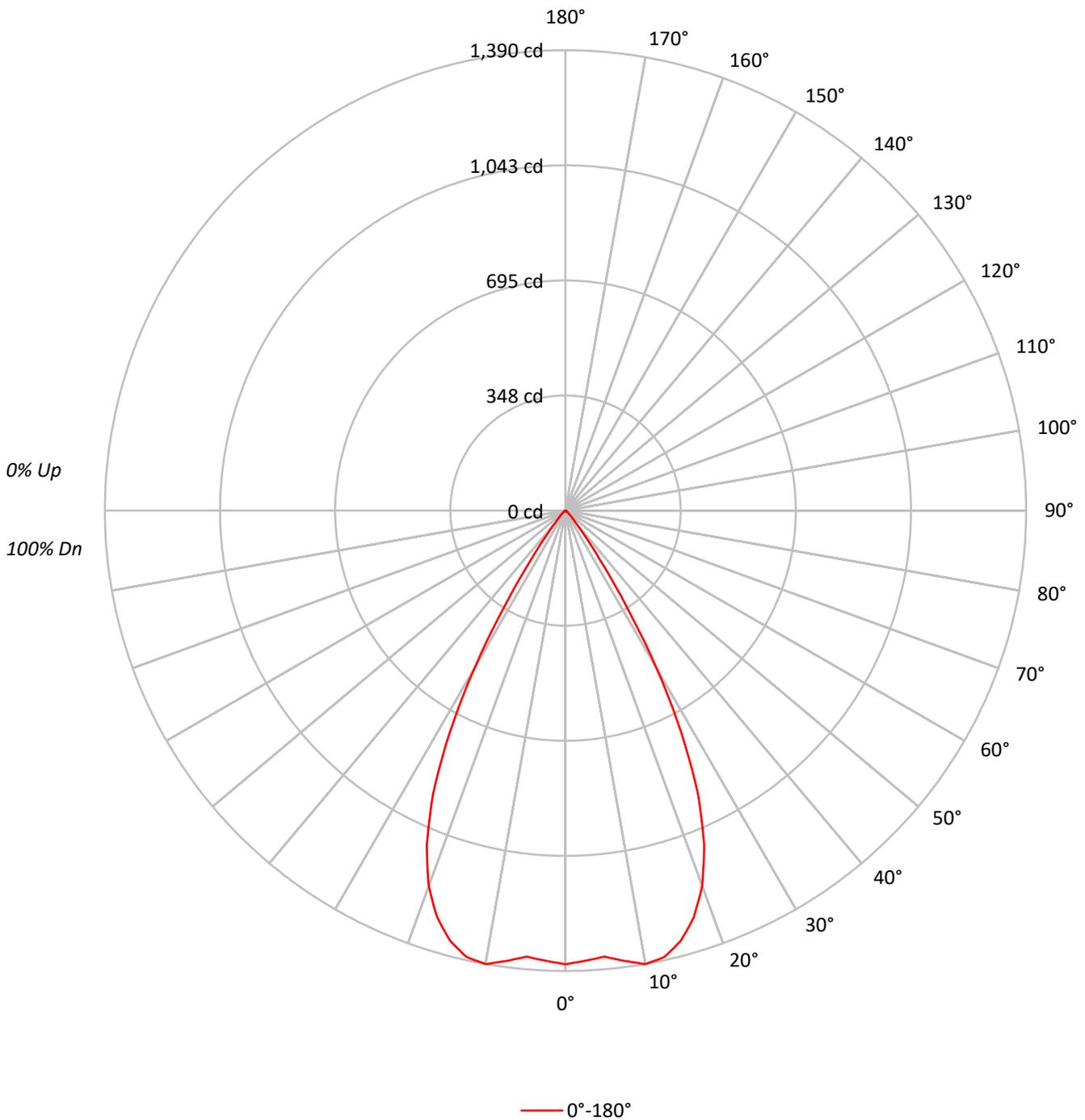
Test Method: LM-79-2019  
Report Number: P1262818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R559727DE010 E3CD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1083.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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

TEST NUMBER: P1262818  
CATALOG NUMBER: P3A13R559727DE010 E3CD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1262818  
 CATALOG NUMBER: P3A13R559727DE010 E3CD1MW

**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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89	94	92	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84	90	87	85
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79	86	83	80
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	82	78	76
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70	78	74	72
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66	74	70	68
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63	71	67	64
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60	68	64	61
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	65	61	58

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

	0°
0°	300371
5°	297578
10°	309547
15°	305246
20°	281471
25°	229029
30°	139110
35°	48158
40°	13740
45°	6574
50°	2763
55°	1262
60°	1447
65°	1245
70°	1026
75°	1356
80°	1010
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6574 cd/sqm



TEST NUMBER: P1262818  
 CATALOG NUMBER: P3A13R559727DE010 E3CD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.7	12.1
10°-20°	373.7	34.5
20°-30°	416.6	38.5
30°-40°	136.3	12.6
40°-50°	18.0	1.7
50°-60°	3.8	0.4
60°-70°	2.2	0.2
70°-80°	1.4	0.1
80°-90°	0.3	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°	921.0	85.0
0°-40°	1057.3	97.6
0°-60°	1079.1	99.6
0°-90°	1083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1370	
5°	1352	131
15°	1345	374
25°	947	417
35°	180	136
45°	21	18
55°	3	4
65°	2	2
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P1262818  
CATALOG NUMBER: P3A13R559727DE010 E3CD1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1369.8
2.5°	1360.1
5°	1351.9
7.5°	1371.4
10°	1390.2
12.5°	1380.4
15°	1344.6
17.5°	1287.6
20°	1206.2
22.5°	1093.9
25°	946.6
27.5°	759.4
30°	549.4
32.5°	337.0
35°	179.9
37.5°	91.2
40°	48.0
42.5°	30.9
45°	21.2
47.5°	14.7
50°	8.1
52.5°	4.9
55°	3.3
57.5°	3.3
60°	3.3
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)