

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: P1249108

Luminaire Tested: P3AS10R129027DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS10R129027DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

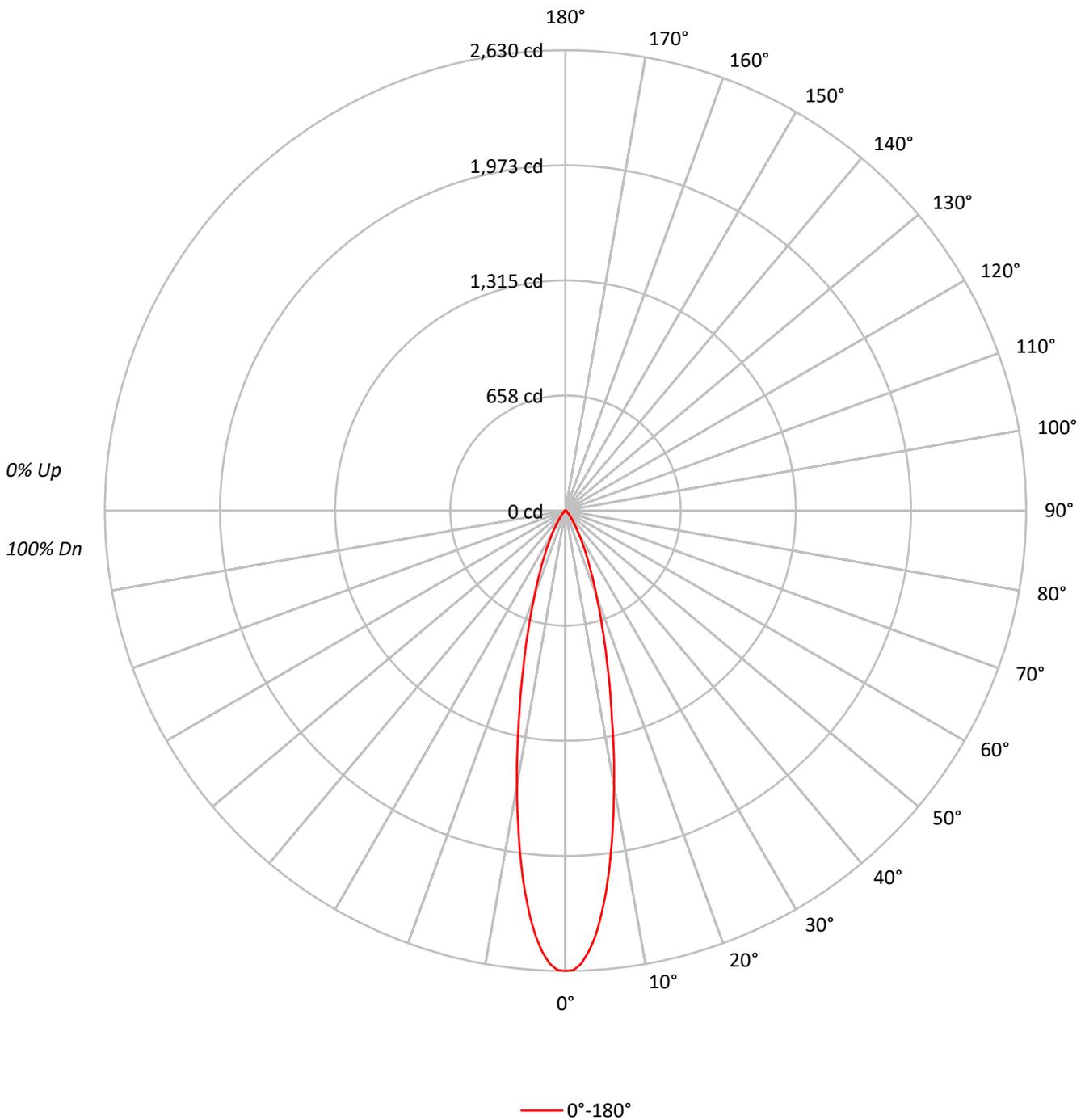
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.1 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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: P1249108
CATALOG NUMBER: P3AS10R129027DE010 E3DL1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1249108
 CATALOG NUMBER: P3AS10R129027DE010 E3DL1MW

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	99	98	97	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	94	93	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91	91	90	88	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87	87	86	85	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83	83	82	81	83
5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	80	80	79	78	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77	77	76	75	77
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74	74	73	72	74
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	72	72	71	70	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69	69	68	67	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67	67	66	65	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	576620
5°	511841
10°	355460
15°	210217
20°	119734
25°	68448
30°	37879
35°	20184
40°	11164
45°	6047
50°	3787
55°	2982
60°	2588
65°	2387
70°	2116
75°	2203
80°	1642
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6047 cd/sqm



TEST NUMBER: P1249108
 CATALOG NUMBER: P3AS10R129027DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	29.3
10°-20°	261.0	38.7
20°-30°	134.4	19.9
30°-40°	50.5	7.5
40°-50°	16.5	2.4
50°-60°	7.1	1.1
60°-70°	4.5	0.7
70°-80°	2.7	0.4
80°-90°	0.7	0.1
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°	593.1	87.9
0°-40°	643.5	95.3
0°-60°	667.2	98.8
0°-90°	675.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2630	
5°	2325	198
15°	926	261
25°	283	134
35°	75	50
45°	20	17
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1249108
CATALOG NUMBER: P3AS10R129027DE010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2629.6
1°	2624.4
2°	2590.0
3°	2524.3
4°	2437.8
5°	2325.3
6°	2197.9
7°	2058.1
8°	1902.6
9°	1749.2
10°	1596.4
12.5°	1228.3
15°	926.0
17.5°	693.2
20°	513.1
22.5°	383.0
25°	282.9
27.5°	206.1
30°	149.6
32.5°	106.0
35°	75.4
37.5°	54.0
40°	39.0
42.5°	28.0
45°	19.5
47.5°	14.3
50°	11.1
52.5°	9.1
55°	7.8
57.5°	6.5
60°	5.9
62.5°	5.2
65°	4.6
67.5°	3.9
70°	3.3
72.5°	3.3
75°	2.6
77.5°	2.0
80°	1.3
82.5°	1.3
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)