

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: P1271863

Luminaire Tested: P3AS13R159827DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271863
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: P3AS13R159827DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

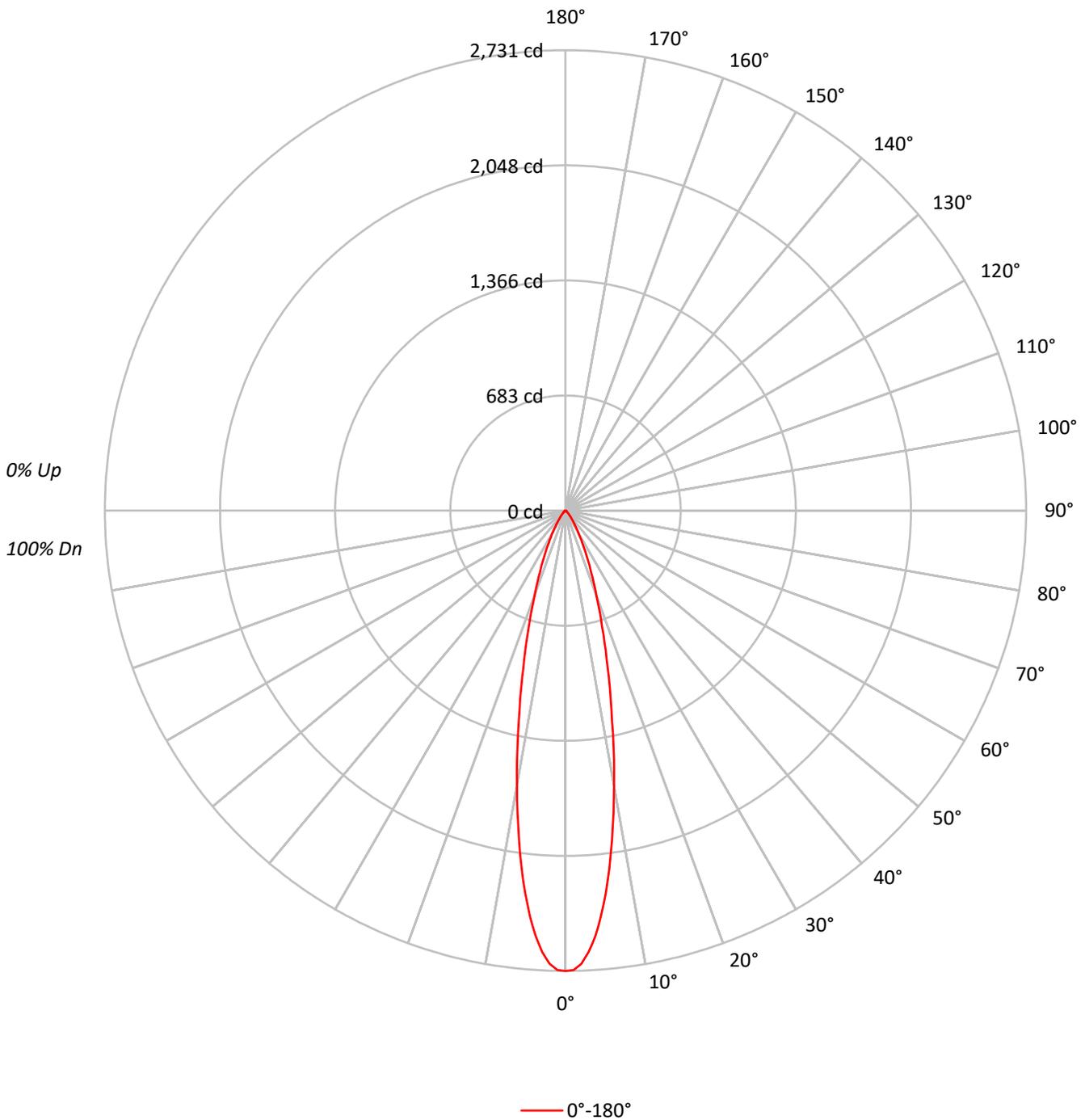
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 701.1 lumens
Efficiency: N/A
Efficacy: 48.4 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): 14.5
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: P1271863
CATALOG NUMBER: P3AS13R159827DE010 E3DL1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1271863
 CATALOG NUMBER: P3AS13R159827DE010 E3DL1WMH

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°	598834
5°	531564
10°	369154
15°	218299
20°	124331
25°	71085
30°	39323
35°	20960
40°	11593
45°	6295
50°	3923
55°	3097
60°	2675
65°	2439
70°	2180
75°	2288
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6295 cd/sqm



TEST NUMBER: P1271863
 CATALOG NUMBER: P3AS13R159827DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	29.3
10°-20°	271.0	38.7
20°-30°	139.6	19.9
30°-40°	52.4	7.5
40°-50°	17.2	2.4
50°-60°	7.4	1.1
60°-70°	4.7	0.7
70°-80°	2.8	0.4
80°-90°	0.8	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°	615.9	87.9
0°-40°	668.3	95.3
0°-60°	692.9	98.8
0°-90°	701.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2731	
5°	2415	205
15°	962	271
25°	294	140
35°	78	52
45°	20	17
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1271863
CATALOG NUMBER: P3AS13R159827DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2730.9
1°	2725.5
2°	2689.7
3°	2621.5
4°	2531.7
5°	2414.9
6°	2282.5
7°	2137.3
8°	1975.9
9°	1816.6
10°	1657.9
12.5°	1275.6
15°	961.6
17.5°	719.9
20°	532.8
22.5°	397.8
25°	293.8
27.5°	214.1
30°	155.3
32.5°	110.1
35°	78.3
37.5°	56.1
40°	40.5
42.5°	29.0
45°	20.3
47.5°	14.9
50°	11.5
52.5°	9.5
55°	8.1
57.5°	6.8
60°	6.1
62.5°	5.4
65°	4.7
67.5°	4.1
70°	3.4
72.5°	3.4
75°	2.7
77.5°	2.0
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)