

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: P1272181

Luminaire Tested: P3AS13R709827DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R709827DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

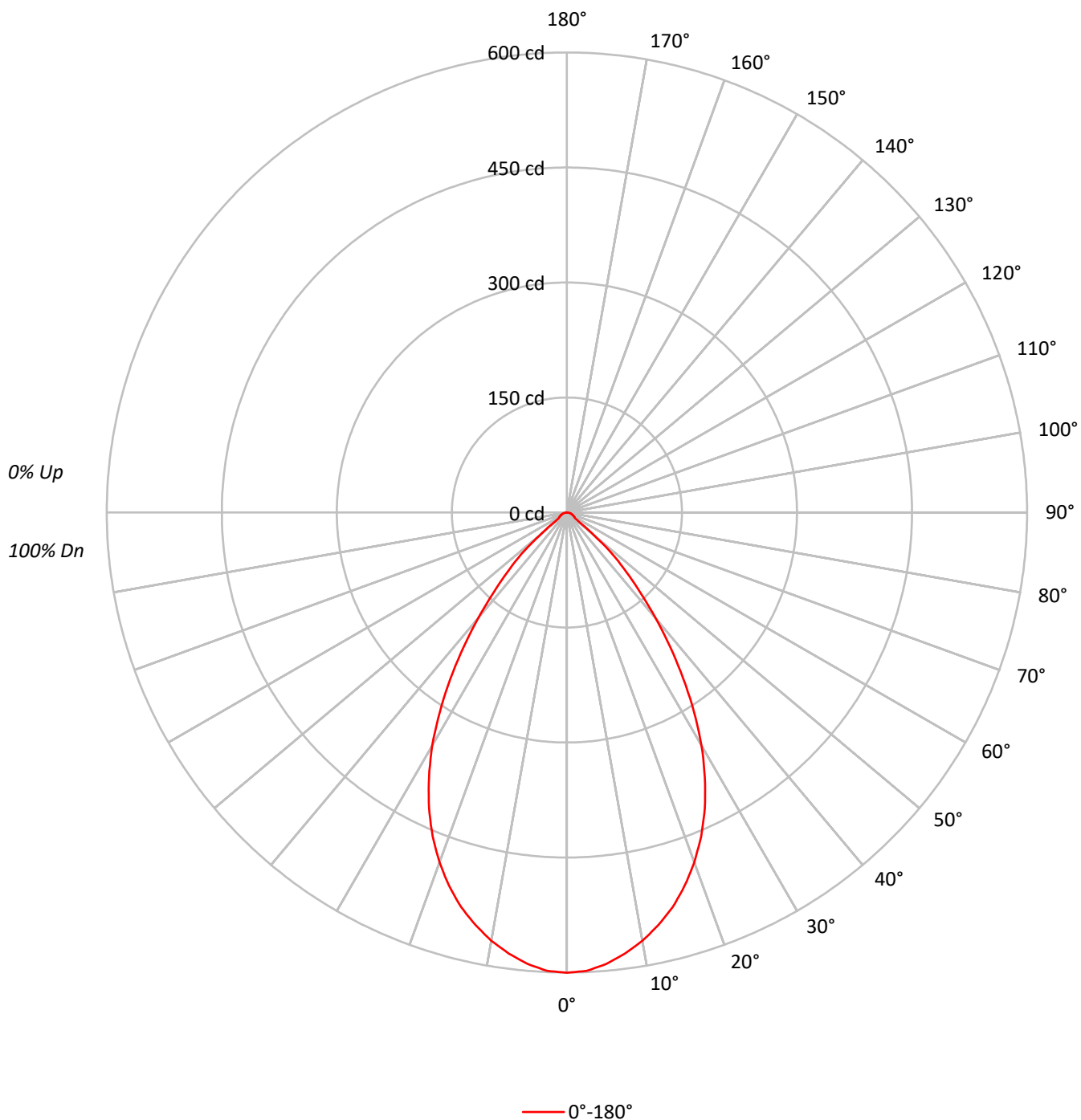
Lumens per Lamp: N/A
Luminaire Lumens: 680.1 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131634
5°	130068
10°	126295
15°	120954
20°	113293
25°	102925
30°	88925
35°	70858
40°	51611
45°	33926
50°	15897
55°	4893
60°	4736
65°	4566
70°	4360
75°	4575
80°	4293
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	8.2
10°-20°	149.1	21.9
20°-30°	193.8	28.5
30°-40°	164.5	24.2
40°-50°	84.8	12.5
50°-60°	16.4	2.4
60°-70°	8.9	1.3
70°-80°	5.5	0.8
80°-90°	1.6	0.2
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°	398.6	58.6
0°-40°	563.0	82.8
0°-60°	664.2	97.7
0°-90°	680.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	680.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	600	
5°	591	56
15°	533	149
25°	425	194
35°	265	164
45°	109	85
55°	13	16
65°	9	9
75°	5	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	600.3
2.5°	598.3
5°	590.9
7.5°	580.1
10°	567.2
12.5°	551.0
15°	532.8
17.5°	510.5
20°	485.5
22.5°	457.2
25°	425.4
27.5°	389.6
30°	351.2
32.5°	308.6
35°	264.7
37.5°	221.5
40°	180.3
42.5°	141.8
45°	109.4
47.5°	80.4
50°	46.6
52.5°	20.3
55°	12.8
57.5°	12.2
60°	10.8
62.5°	10.1
65°	8.8
67.5°	8.1
70°	6.8
72.5°	6.1
75°	5.4
77.5°	4.1
80°	3.4
82.5°	2.0
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)