

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: P1272842

Luminaire Tested: P3AS20R659827D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659827D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

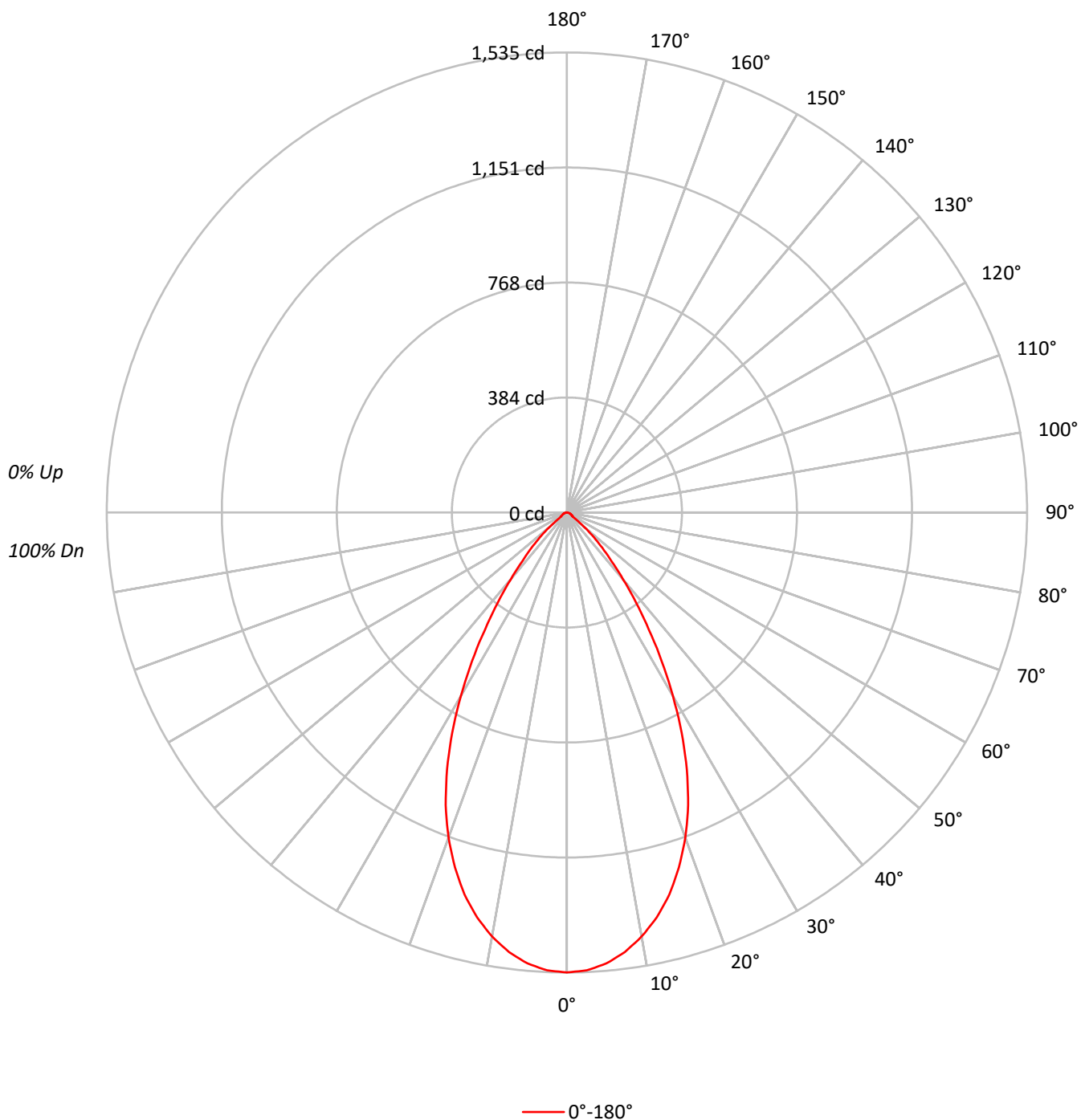
Lumens per Lamp: N/A
Luminaire Lumens: 1427.0 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	64	61		69	64	60		67
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		64
9	74	64	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	54	50	59	53	50		58	53	50		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	336530
5°	332489
10°	319856
15°	299638
20°	269500
25°	228836
30°	178990
35°	127555
40°	83471
45°	51602
50°	26200
55°	9252
60°	8113
65°	8094
70°	7309
75°	7202
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51602 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	9.9
10°-20°	367.3	25.7
20°-30°	429.3	30.1
30°-40°	300.0	21.0
40°-50°	132.1	9.3
50°-60°	29.4	2.1
60°-70°	15.0	1.0
70°-80°	9.0	0.6
80°-90°	3.1	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°	938.5	65.8
0°-40°	1238.5	86.8
0°-60°	1399.9	98.1
0°-90°	1427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1427.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1535	
5°	1510	142
15°	1320	367
25°	946	429
35°	476	300
45°	166	132
55°	24	29
65°	16	15
75°	8	9
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1534.7
2.5°	1529.0
5°	1510.5
7.5°	1479.2
10°	1436.5
12.5°	1383.9
15°	1319.9
17.5°	1241.7
20°	1154.9
22.5°	1056.8
25°	945.8
27.5°	829.2
30°	706.9
32.5°	588.8
35°	476.5
37.5°	378.3
40°	291.6
42.5°	220.5
45°	166.4
47.5°	122.3
50°	76.8
52.5°	39.8
55°	24.2
57.5°	21.3
60°	18.5
62.5°	17.1
65°	15.6
67.5°	12.8
70°	11.4
72.5°	10.0
75°	8.5
77.5°	7.1
80°	5.7
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)