

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: P1272804

Luminaire Tested: P3AS20R609827D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R609827D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

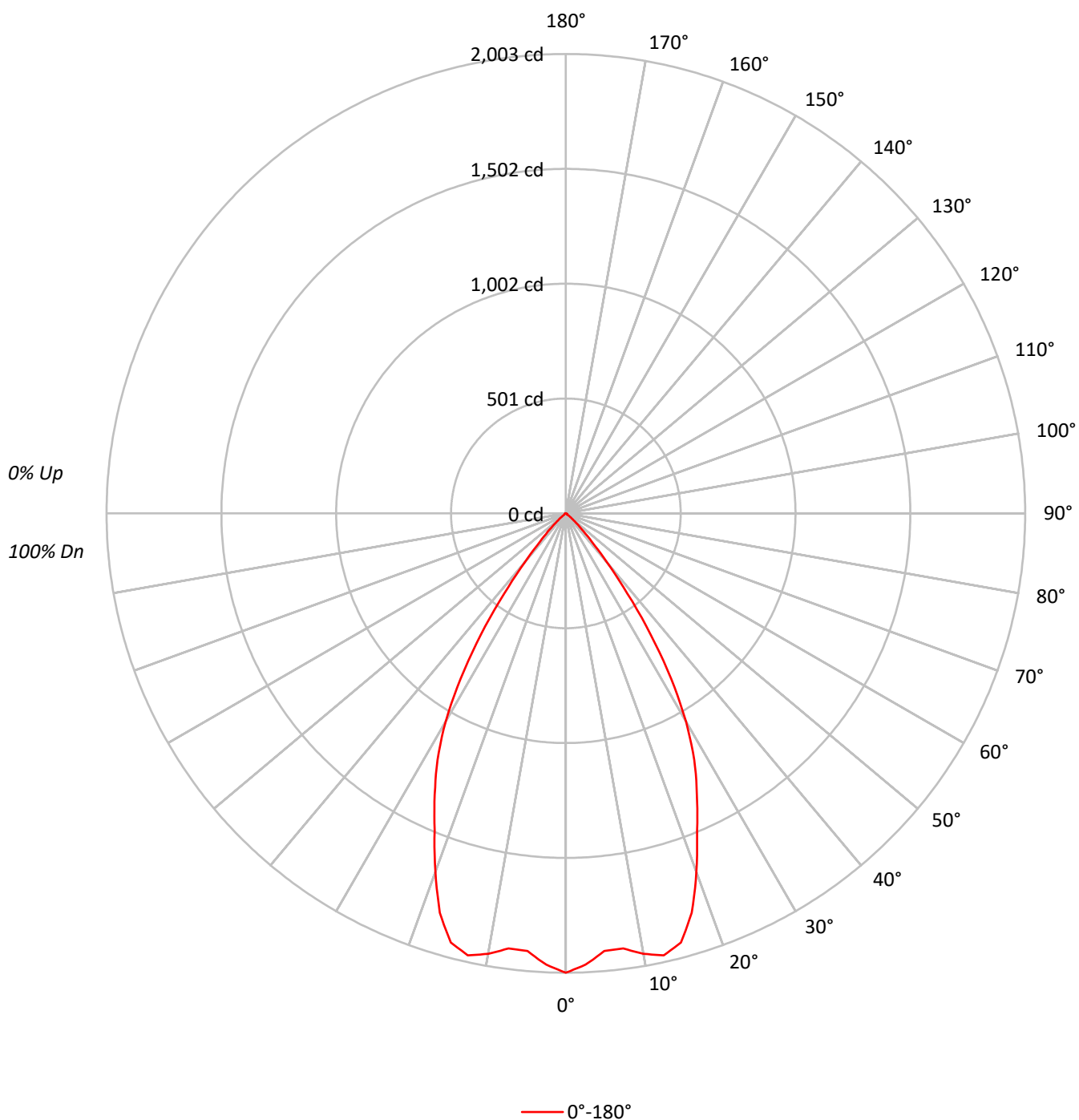
Lumens per Lamp: N/A
Luminaire Lumens: 1839.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	100	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	96	91	88	101	95	90	87	92	89	85		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79
6	88	79	73	69	87	79	73	69	77	72	68		76	71	68		74
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70
8	80	70	64	60	78	70	64	60	69	64	60		68	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	56	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	439153
5°	421725
10°	434194
15°	439776
20°	388324
25°	327261
30°	265433
35°	172849
40°	79406
45°	30422
50°	10200
55°	2714
60°	2500
65°	2231
70°	1795
75°	2372
80°	1768
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	10.0
10°-20°	530.5	28.8
20°-30°	618.8	33.6
30°-40°	399.3	21.7
40°-50°	89.5	4.9
50°-60°	8.9	0.5
60°-70°	4.2	0.2
70°-80°	2.4	0.1
80°-90°	1.0	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°	1333.7	72.5
0°-40°	1733.0	94.2
0°-60°	1831.4	99.6
0°-90°	1839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2003	
5°	1916	184
15°	1937	530
25°	1353	619
35°	646	399
45°	98	89
55°	7	9
65°	4	4
75°	3	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2002.7
2.5°	1969.9
5°	1915.9
7.5°	1913.0
10°	1950.0
12.5°	1974.2
15°	1937.2
17.5°	1826.3
20°	1664.1
22.5°	1494.9
25°	1352.6
27.5°	1213.3
30°	1048.3
32.5°	854.8
35°	645.7
37.5°	440.9
40°	277.4
42.5°	166.4
45°	98.1
47.5°	56.9
50°	29.9
52.5°	10.0
55°	7.1
57.5°	5.7
60°	5.7
62.5°	4.3
65°	4.3
67.5°	4.3
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)