

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: P1272664

Luminaire Tested: P3AS20R359827D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R359827D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

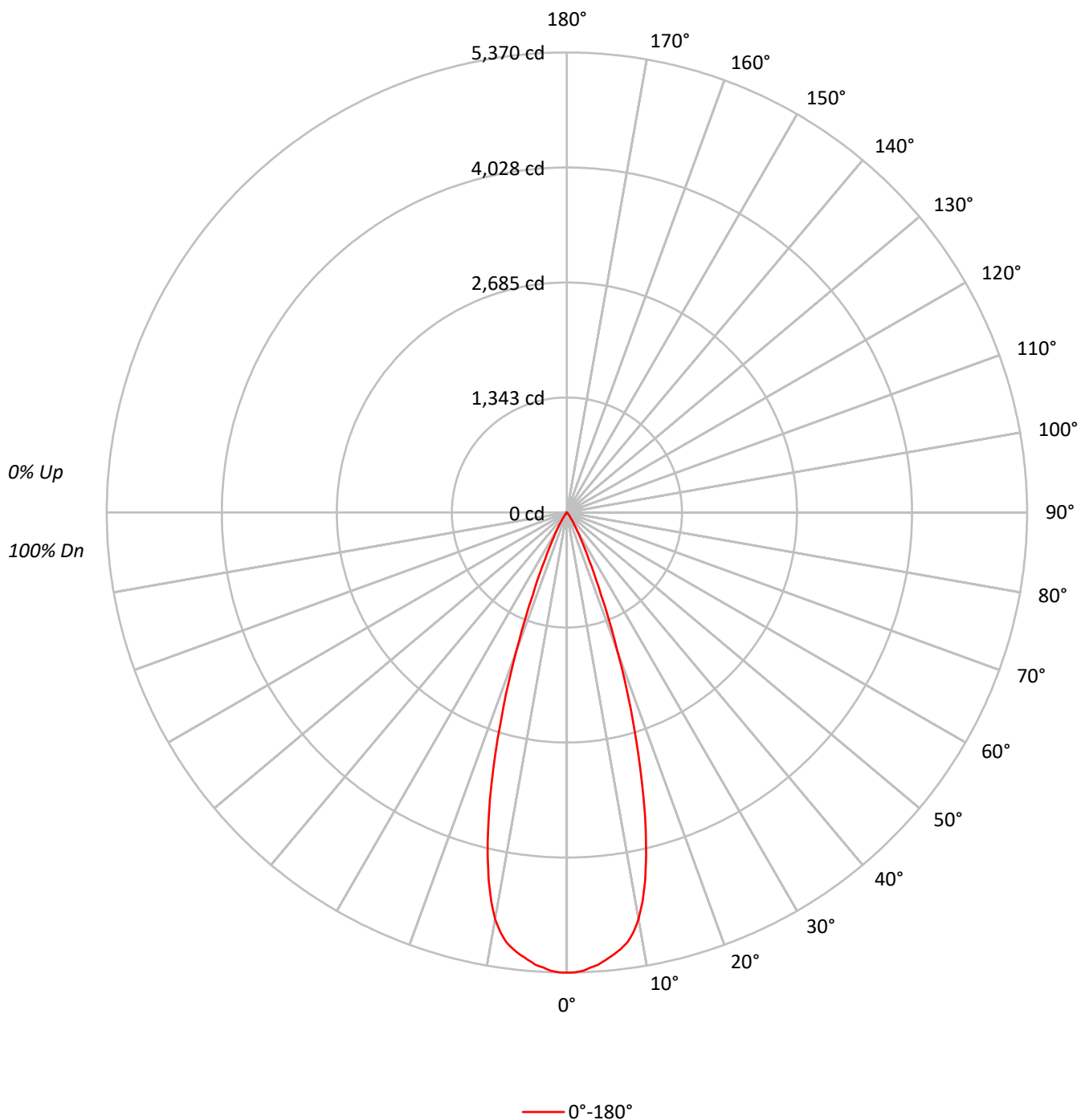
Lumens per Lamp: N/A
Luminaire Lumens: 1805.9 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1177625
5°	1153640
10°	1073238
15°	786838
20°	402908
25°	145218
30°	56540
35°	19809
40°	8130
45°	2202
50°	1944
55°	2179
60°	1886
65°	1453
70°	1795
75°	2372
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 75°
Luminance: 2372 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.6	27.1
10°-20°	916.7	50.8
20°-30°	324.6	18.0
30°-40°	56.8	3.1
40°-50°	8.3	0.5
50°-60°	4.6	0.3
60°-70°	3.3	0.2
70°-80°	2.4	0.1
80°-90°	0.6	0.0
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°	1729.9	95.8
0°-40°	1786.7	98.9
0°-60°	1799.6	99.7
0°-90°	1805.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5370	
5°	5241	489
15°	3466	917
25°	600	325
35°	74	57
45°	7	8
55°	6	5
65°	3	3
75°	3	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5370.4
1°	5369.0
2°	5351.9
3°	5319.2
4°	5289.4
5°	5241.0
6°	5191.2
7°	5135.8
8°	5067.5
9°	4960.8
10°	4820.0
11°	4625.2
12°	4390.5
13°	4111.7
14°	3804.5
15°	3466.0
17.5°	2581.4
20°	1726.6
22.5°	1041.1
25°	600.2
27.5°	358.4
30°	223.3
32.5°	129.4
35°	74.0
37.5°	46.9
40°	28.4
42.5°	14.2
45°	7.1
47.5°	5.7
50°	5.7
52.5°	5.7
55°	5.7
57.5°	4.3
60°	4.3
62.5°	4.3
65°	2.8
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)