

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: P1249998

Luminaire Tested: P3AS20R359027D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249998
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: P3AS20R359027D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

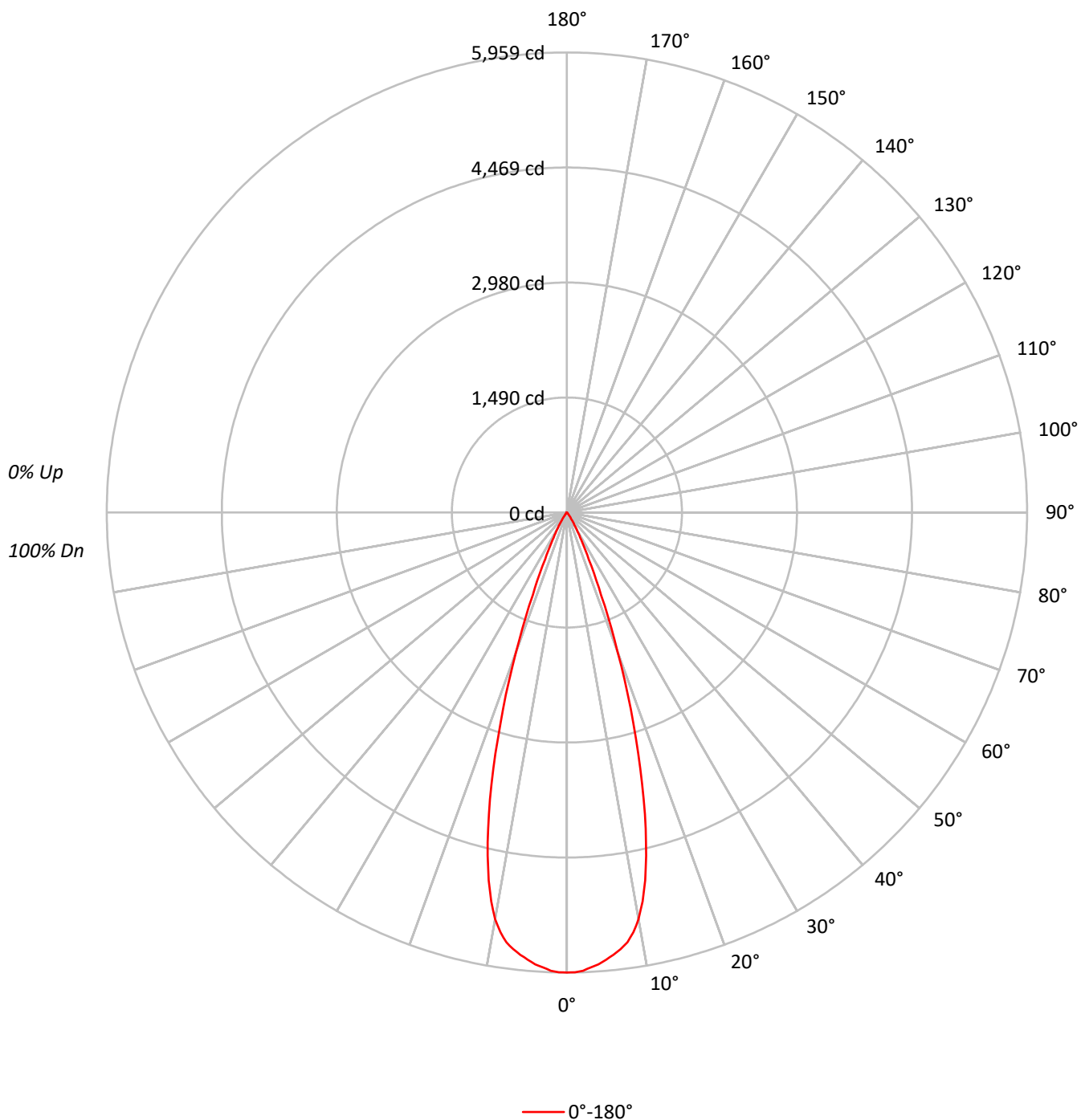
Lumens per Lamp: N/A
Luminaire Lumens: 2004.1 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1306737
5°	1280120
10°	1190915
15°	873104
20°	447082
25°	161138
30°	62744
35°	21978
40°	9046
45°	2450
50°	2149
55°	2409
60°	2061
65°	1660
70°	2052
75°	2711
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 2711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.2	27.1
10°-20°	1017.2	50.8
20°-30°	360.1	18.0
30°-40°	63.1	3.1
40°-50°	9.2	0.5
50°-60°	5.1	0.3
60°-70°	3.7	0.2
70°-80°	2.7	0.1
80°-90°	0.7	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°	1919.5	95.8
0°-40°	1982.6	98.9
0°-60°	1996.9	99.6
0°-90°	2004.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2004.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5959	
5°	5816	542
15°	3846	1017
25°	666	360
35°	82	63
45°	8	9
55°	6	5
65°	3	4
75°	3	3
85°	0	1
90°	0	

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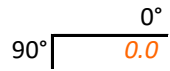
CANDELA DISTRIBUTION (FULL):

0°	
0°	5959.2
1°	5957.6
2°	5938.7
3°	5902.4
4°	5869.3
5°	5815.6
6°	5760.4
7°	5698.8
8°	5623.1
9°	5504.7
10°	5348.5
11°	5132.2
12°	4871.8
13°	4562.5
14°	4221.6
15°	3846.0
17.5°	2864.4
20°	1915.9
22.5°	1155.2
25°	666.0
27.5°	397.7
30°	247.8
32.5°	143.6
35°	82.1
37.5°	52.1
40°	31.6
42.5°	15.8
45°	7.9
47.5°	6.3
50°	6.3
52.5°	6.3
55°	6.3
57.5°	4.7
60°	4.7
62.5°	4.7
65°	3.2
67.5°	3.2
70°	3.2
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)