

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: P1271544

Luminaire Tested: P3AS09R209827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R209827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

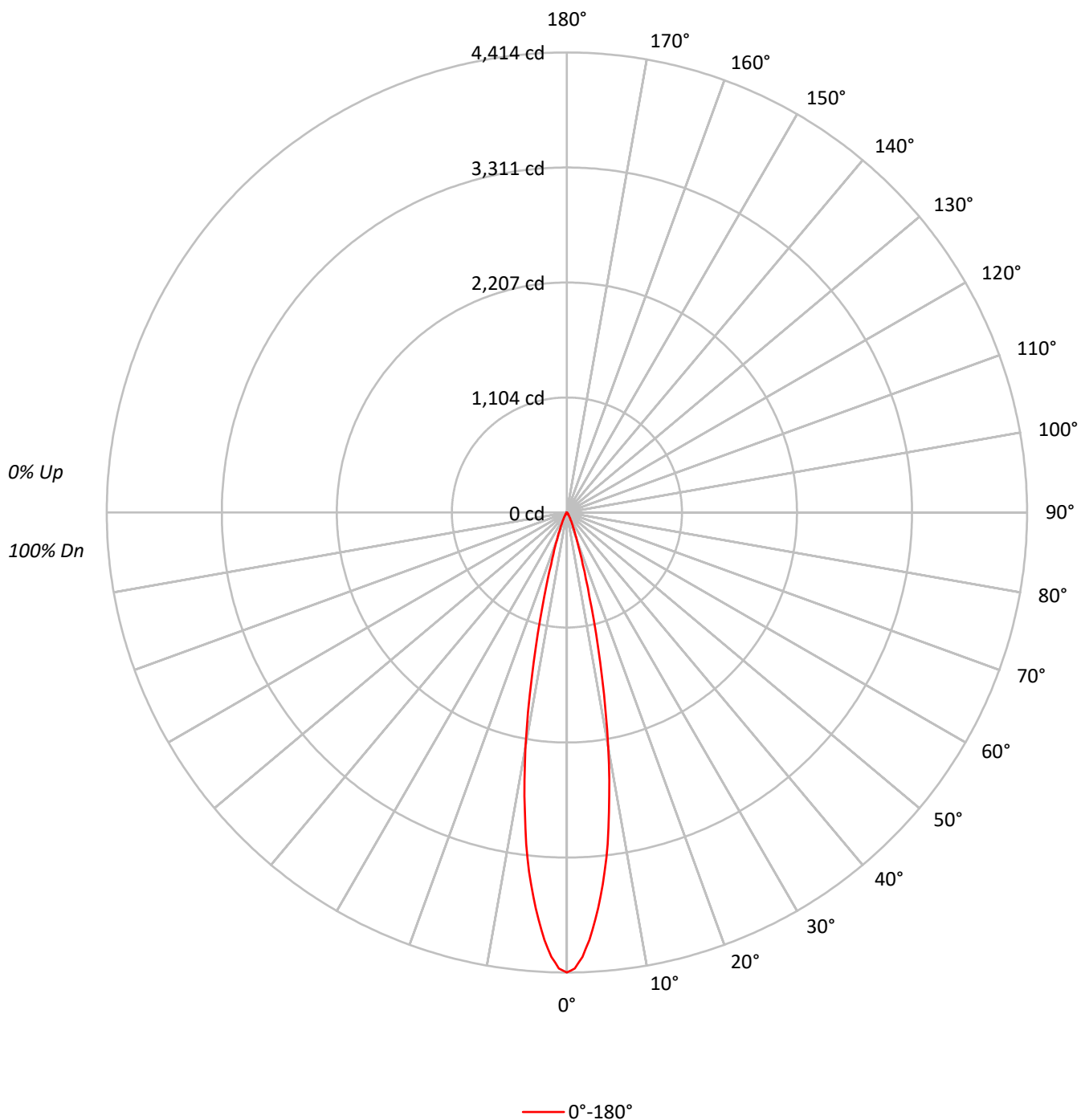
Lumens per Lamp: N/A
Luminaire Lumens: 637.9 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	114	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	95	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		92
7	99	93	90	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	91	87	85	90	87	85		89	86	84		88
9	95	89	85	83	94	89	85	83	88	85	83		87	84	83		87
10	93	87	84	81	92	87	83	81	86	83	81		86	83	81		85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	967795
5°	814834
10°	508942
15°	190262
20°	65316
25°	27219
30°	12812
35°	5755
40°	2719
45°	1395
50°	512
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1395 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.8	48.3
10°-20°	253.6	39.7
20°-30°	57.6	9.0
30°-40°	14.7	2.3
40°-50°	3.7	0.6
50°-60°	0.4	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	619.0	97.0
0°-40°	633.7	99.3
0°-60°	637.8	100.0
0°-90°	637.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4414	
5°	3702	308
15°	838	254
25°	112	58
35°	22	15
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4413.5
1°	4376.1
2°	4265.8
3°	4107.7
4°	3913.6
5°	3701.8
6°	3465.8
7°	3205.4
8°	2901.6
9°	2600.5
10°	2285.7
11°	1950.7
12°	1616.2
13°	1332.8
14°	1061.9
15°	838.1
16°	661.5
17°	521.8
18°	419.3
19°	341.0
20°	279.9
21°	234.0
22°	195.3
23°	162.4
24°	135.5
25°	112.5
27.5°	73.6
30°	50.6
32.5°	31.2
35°	21.5
37.5°	13.7
40°	9.5
42.5°	6.5
45°	4.5
47.5°	3.0
50°	1.5
52.5°	0.7
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
72.5°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)