

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: P1251494

Luminaire Tested: P3AS09R209030DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251494
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: P3AS09R209030DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

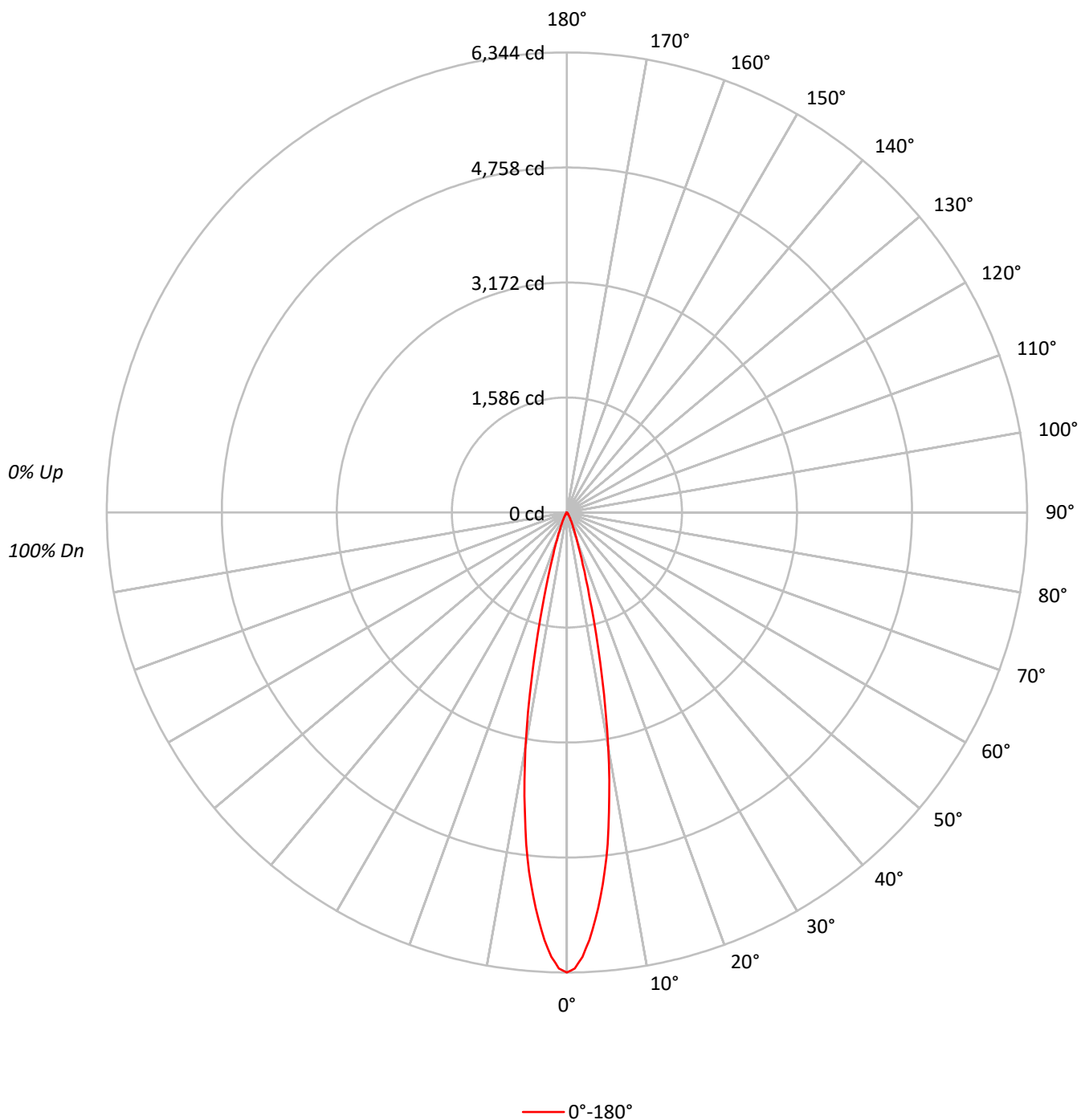
Lumens per Lamp: N/A
Luminaire Lumens: 917.1 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	1391007
5°	1171161
10°	731494
15°	273486
20°	93878
25°	39123
30°	18433
35°	8245
40°	3893
45°	2016
50°	751
55°	153
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2016 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.5	48.2
10°-20°	364.5	39.7
20°-30°	82.8	9.0
30°-40°	21.1	2.3
40°-50°	5.3	0.6
50°-60°	0.7	0.1
60°-70°	0.2	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°	889.7	97.0
0°-40°	910.8	99.3
0°-60°	916.8	100.0
0°-90°	917.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6344	
5°	5321	442
15°	1205	364
25°	162	83
35°	31	21
45°	6	5
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6343.5
1°	6289.8
2°	6131.3
3°	5904.0
4°	5625.0
5°	5320.6
6°	4981.5
7°	4607.2
8°	4170.5
9°	3737.7
10°	3285.2
11°	2803.7
12°	2322.9
13°	1915.6
14°	1526.3
15°	1204.7
16°	950.8
17°	750.1
18°	602.7
19°	490.1
20°	402.3
21°	336.3
22°	280.7
23°	233.4
24°	194.7
25°	161.7
27.5°	105.8
30°	72.8
32.5°	44.8
35°	30.8
37.5°	19.7
40°	13.6
42.5°	9.3
45°	6.5
47.5°	4.3
50°	2.2
52.5°	1.1
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
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)