

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: P1292019

Luminaire Tested: P3A09R20W2N902765DE010 E3CD1MMS_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902765DE010 E3CD1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

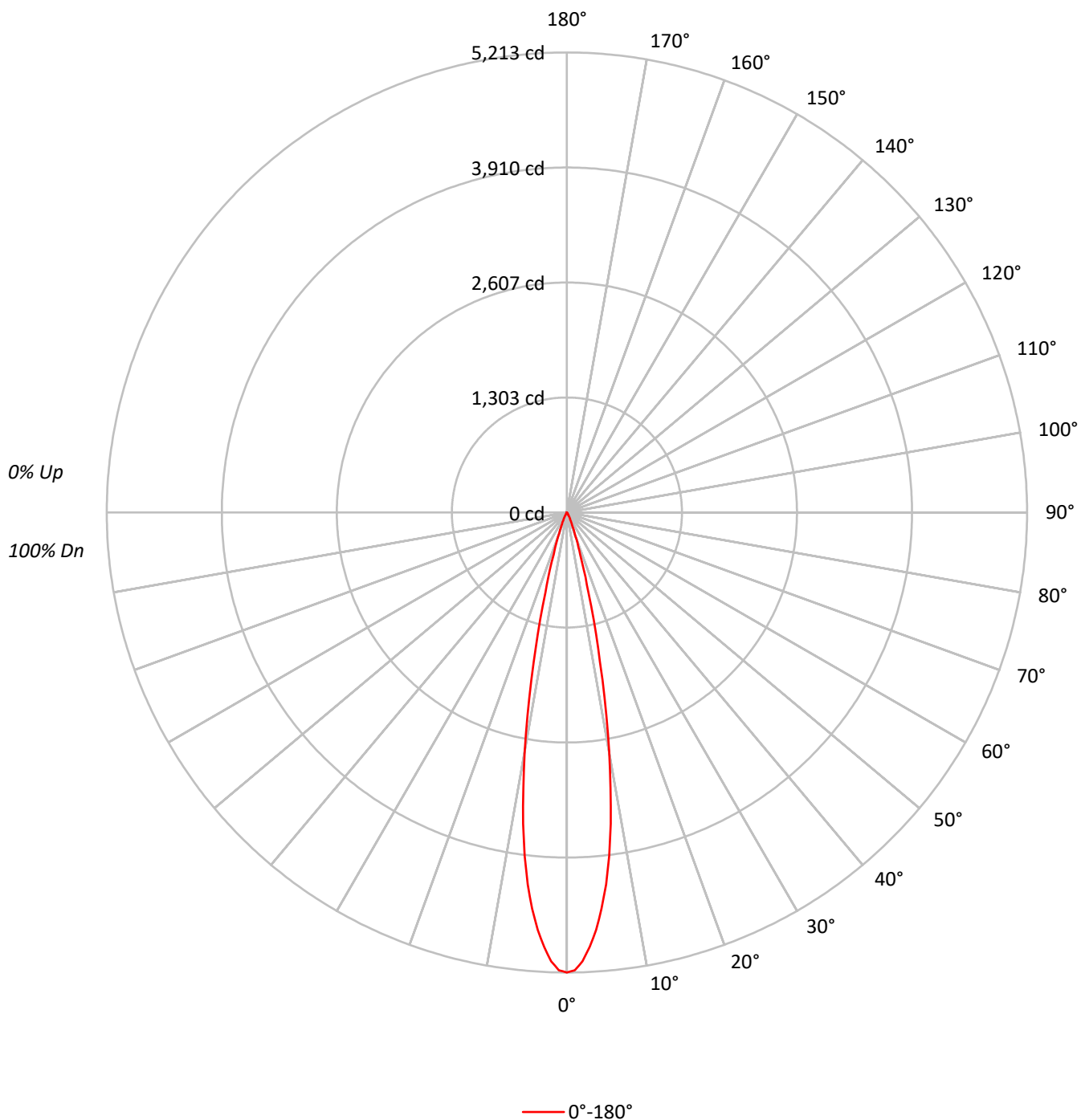
Lumens per Lamp: N/A
Luminaire Lumens: 736.1 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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	116	114	112	110		113	112	110	109		108	106	105		104	103	102		101	100	99		98			
2	112	109	106	104		110	108	105	103		104	103	101		102	100	99		99	98	97		95			
3	109	105	102	100		108	104	101	99		102	99	97		99	98	96		97	96	95		93			
4	107	102	99	96		105	101	98	96		99	97	94		97	95	93		96	94	92		91			
5	104	99	96	93		103	98	95	93		97	94	92		95	93	91		94	92	91		90			
6	102	97	93	91		101	96	93	90		95	92	90		94	91	89		93	90	89		88			
7	100	94	91	88		99	94	91	88		93	90	88		92	89	87		91	89	87		86			
8	98	92	89	86		97	92	89	86		91	88	86		90	88	86		89	87	85		85			
9	96	90	87	85		95	90	87	85		89	86	84		89	86	84		88	86	84		83			
10	94	89	85	83		93	88	85	83		88	85	83		87	84	83		86	84	82		82			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1143088
5°	992161
10°	613059
15°	212941
20°	65386
25°	23106
30°	8558
35°	3426
40°	1832
45°	713
50°	409
55°	459
60°	526
65°	311
70°	385
75°	508
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 713 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.1	50.8
10°-20°	296.8	40.3
20°-30°	51.4	7.0
30°-40°	9.3	1.3
40°-50°	2.1	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.6	0.1
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°	722.3	98.1
0°-40°	731.6	99.4
0°-60°	734.8	99.8
0°-90°	736.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5213	
5°	4507	374
15°	938	297
25°	96	51
35°	13	9
45°	2	2
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5212.9
1°	5187.9
2°	5088.8
3°	4929.8
4°	4743.4
5°	4507.4
6°	4237.1
7°	3922.5
8°	3564.2
9°	3161.7
10°	2753.3
12.5°	1736.7
15°	938.0
17.5°	501.0
20°	280.2
22.5°	160.2
25°	95.5
27.5°	58.3
30°	33.8
32.5°	19.8
35°	12.8
37.5°	8.7
40°	6.4
42.5°	4.1
45°	2.3
47.5°	1.2
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)