

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: P1294037

Luminaire Tested: P3A09R50W2N902765DE010 E3DLD1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902765DE010 E3DLD1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

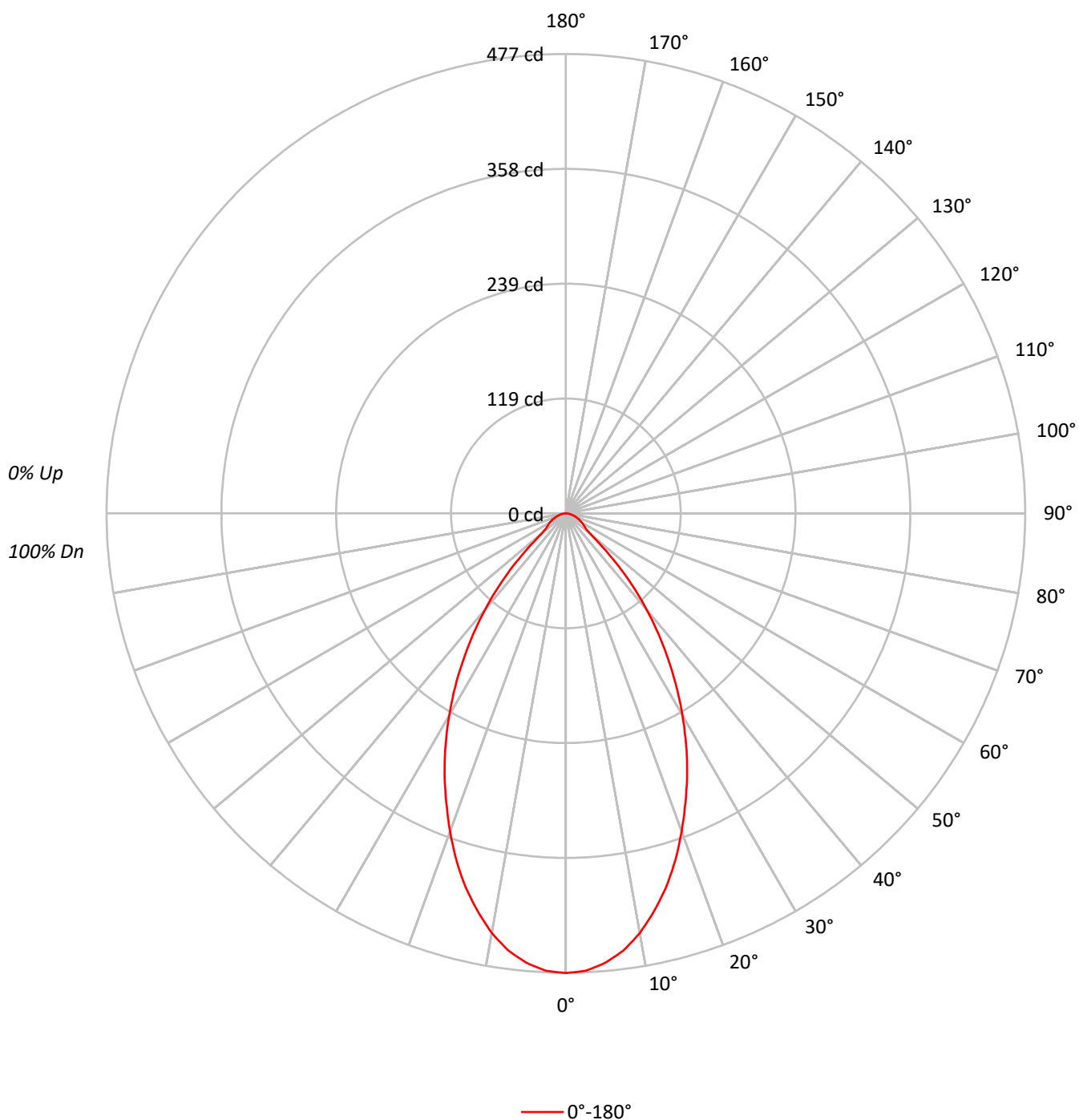
Lumens per Lamp: N/A
Luminaire Lumens: 515.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77	73	70	69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	53
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56	51	48	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104663
5°	103125
10°	98551
15°	91260
20°	82024
25°	72101
30°	61326
35°	49710
40°	37356
45°	24065
50°	11428
55°	8984
60°	8508
65°	7939
70°	7181
75°	6439
80°	5935
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 24065 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	8.5
10°-20°	112.1	21.8
20°-30°	136.2	26.4
30°-40°	115.5	22.4
40°-50°	60.0	11.6
50°-60°	21.7	4.2
60°-70°	15.0	2.9
70°-80°	8.1	1.6
80°-90°	2.6	0.5
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°	292.2	56.7
0°-40°	407.7	79.2
0°-60°	489.3	95.0
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	477	
5°	468	44
15°	402	112
25°	298	136
35°	186	116
45°	78	60
55°	24	22
65°	15	15
75°	8	8
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	477.3
2.5°	475.5
5°	468.5
7.5°	457.9
10°	442.6
12.5°	423.2
15°	402.0
17.5°	377.9
20°	351.5
22.5°	324.5
25°	298.0
27.5°	270.4
30°	242.2
32.5°	214.0
35°	185.7
37.5°	158.1
40°	130.5
42.5°	104.0
45°	77.6
47.5°	51.7
50°	33.5
52.5°	25.9
55°	23.5
57.5°	21.2
60°	19.4
62.5°	17.0
65°	15.3
67.5°	12.9
70°	11.2
72.5°	9.4
75°	7.6
77.5°	5.9
80°	4.7
82.5°	3.5
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)