

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: P1294049

Luminaire Tested: P3A09R50W2N902765DE010 E3DLP1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902765DE010 E3DLP1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

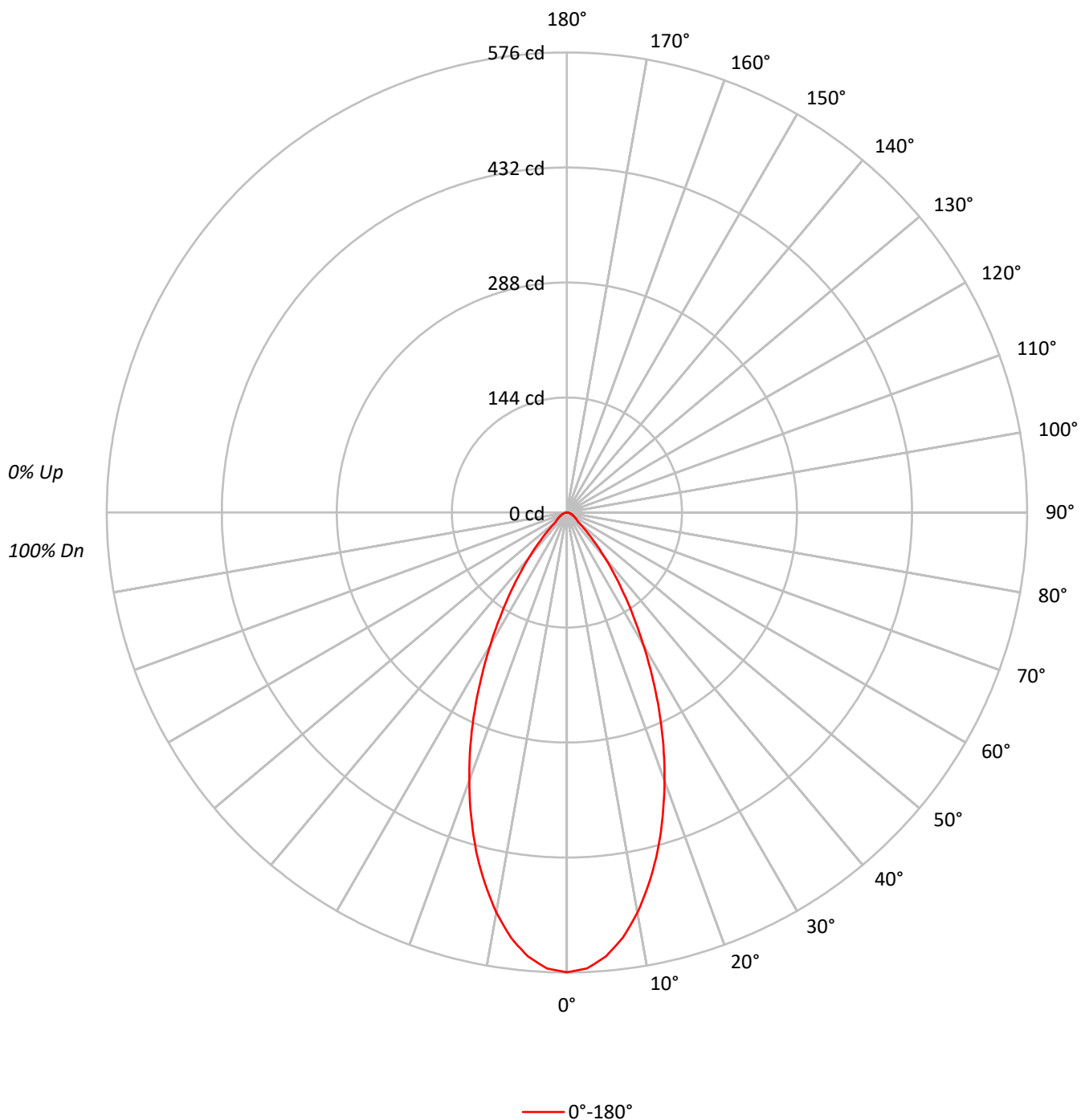
Lumens per Lamp: N/A
Luminaire Lumens: 434.0 lumens
Efficiency: N/A
Efficacy: 48.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	95	94		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87		85
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86	83	81		79
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81	78	75		73
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77	73	70		68
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72	68	65		64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61		60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65	61	57		56
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62	57	54		53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59	54	51		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126218
5°	122826
10°	113269
15°	99615
20°	83331
25°	66076
30°	48488
35°	33328
40°	21183
45°	11846
50°	6413
55°	5390
60°	4649
65°	4255
70°	3783
75°	3474
80°	2904
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11846 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	11.9
10°-20°	121.5	28.0
20°-30°	124.3	28.6
30°-40°	78.8	18.2
40°-50°	31.4	7.2
50°-60°	12.7	2.9
60°-70°	8.1	1.9
70°-80°	4.2	1.0
80°-90°	1.3	0.3
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°	297.5	68.6
0°-40°	376.3	86.7
0°-60°	420.4	96.9
0°-90°	434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	576	
5°	558	52
15°	439	122
25°	273	124
35°	124	79
45°	38	31
55°	14	13
65°	8	8
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	575.6
2.5°	571.5
5°	558.0
7.5°	536.9
10°	508.7
12.5°	475.2
15°	438.8
17.5°	398.8
20°	357.1
22.5°	315.4
25°	273.1
27.5°	230.8
30°	191.5
32.5°	156.2
35°	124.5
37.5°	97.5
40°	74.0
42.5°	54.6
45°	38.2
47.5°	25.8
50°	18.8
52.5°	15.9
55°	14.1
57.5°	12.3
60°	10.6
62.5°	9.4
65°	8.2
67.5°	7.0
70°	5.9
72.5°	4.7
75°	4.1
77.5°	2.9
80°	2.3
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)