

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: P1289987

Luminaire Tested: P3A05R50W2N902750DE010 E3CD1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3CD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

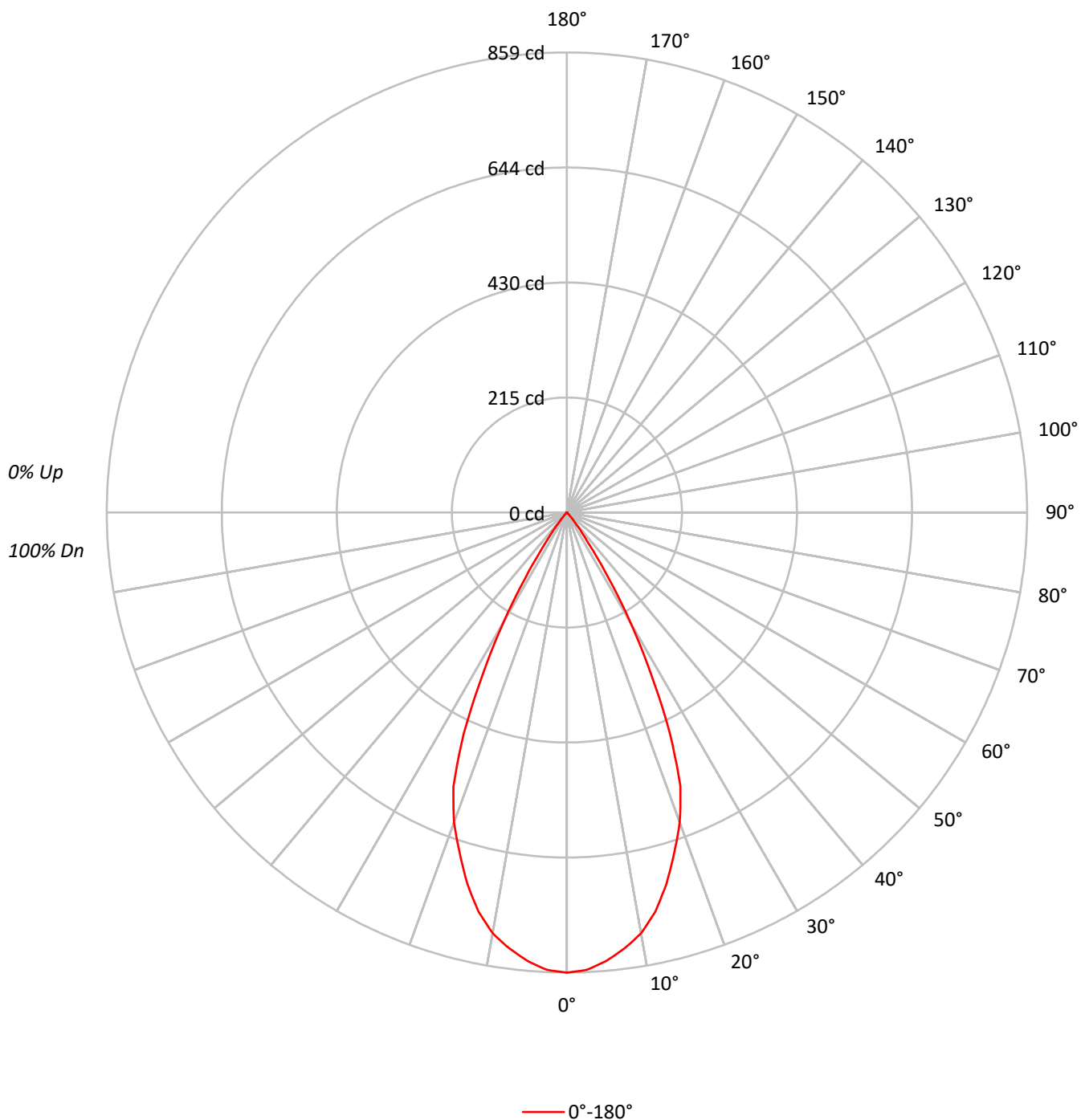
Lumens per Lamp: N/A
Luminaire Lumens: 541.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	114	112	109	107		112	109	107	106		105	104	102		102	101	99		98	97	96		95			
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91		90			
3	105	99	95	91		103	98	94	90		95	92	89		93	90	88		91	88	86		85			
4	100	94	89	85		99	92	88	85		90	87	84		88	85	83		87	84	82		80			
5	96	89	84	80		94	88	83	79		86	82	79		84	81	78		83	80	77		76			
6	92	84	79	75		91	83	79	75		82	78	74		81	77	74		79	76	73		72			
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70		69			
8	85	76	71	67		83	76	71	67		75	70	67		74	70	67		73	69	66		65			
9	81	73	68	64		80	72	67	64		71	67	64		71	66	63		70	66	63		62			
10	78	69	64	61		77	69	64	61		68	64	61		68	63	61		67	63	60		59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188406
5°	185053
10°	177663
15°	162929
20°	143676
25°	110111
30°	59883
35°	19274
40°	4523
45°	620
50°	546
55°	612
60°	526
65°	623
70°	513
75°	678
80°	505
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 1006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	14.6
10°-20°	199.5	36.9
20°-30°	199.8	36.9
30°-40°	56.2	10.4
40°-50°	3.4	0.6
50°-60°	1.3	0.2
60°-70°	1.0	0.2
70°-80°	0.7	0.1
80°-90°	0.3	0.1
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°	478.2	88.4
0°-40°	534.4	98.8
0°-60°	539.1	99.6
0°-90°	541.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	541.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	859	
5°	841	79
15°	718	200
25°	455	200
35°	72	56
45°	2	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	859.2
2.5°	854.9
5°	840.7
7.5°	821.3
10°	797.9
12.5°	762.8
15°	717.7
17.5°	665.9
20°	615.7
22.5°	553.2
25°	455.1
27.5°	338.9
30°	236.5
32.5°	142.7
35°	72.0
37.5°	34.0
40°	15.8
42.5°	5.9
45°	2.0
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)