

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: P1290018

Luminaire Tested: P3A05R50W2N902750DE010 E3DL1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3DL1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

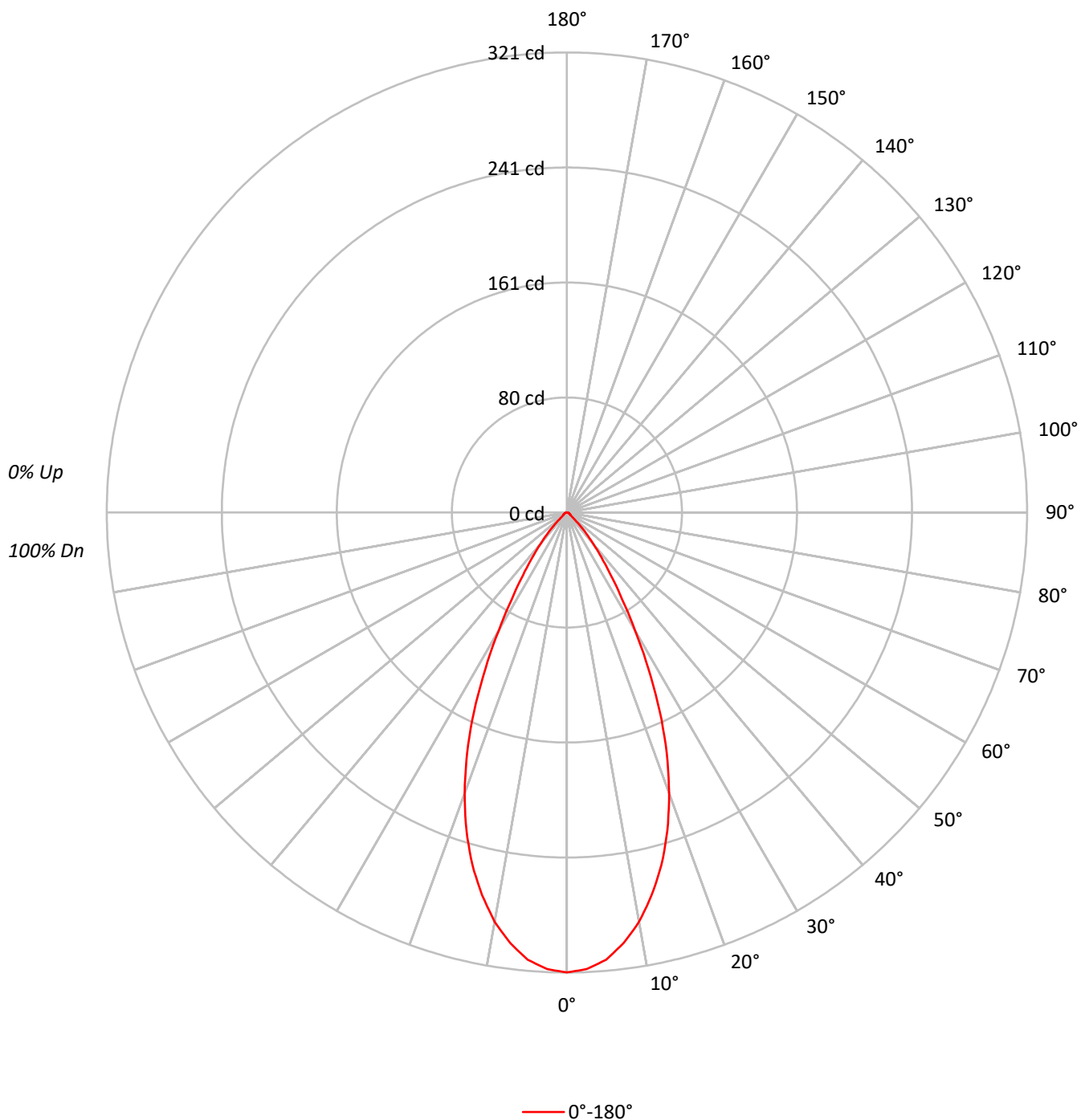
Lumens per Lamp: N/A
Luminaire Lumens: 221.1 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70367
5°	68941
10°	64572
15°	57821
20°	48654
25°	37139
30°	24130
35°	14295
40°	8273
45°	4155
50°	1535
55°	1185
60°	1140
65°	1038
70°	1026
75°	1017
80°	1010
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	13.2
10°-20°	70.4	31.9
20°-30°	69.1	31.3
30°-40°	34.8	15.7
40°-50°	11.0	5.0
50°-60°	2.8	1.3
60°-70°	2.1	0.9
70°-80°	1.3	0.6
80°-90°	0.4	0.2
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°	168.7	76.3
0°-40°	203.5	92.0
0°-60°	217.3	98.3
0°-90°	221.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	221.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	321	
5°	313	29
15°	255	70
25°	154	69
35°	53	35
45°	13	11
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	320.9
2.5°	318.9
5°	313.2
7.5°	303.0
10°	290.0
12.5°	273.3
15°	254.7
17.5°	233.0
20°	208.5
22.5°	182.0
25°	153.5
27.5°	123.2
30°	95.3
32.5°	71.7
35°	53.4
37.5°	39.5
40°	28.9
42.5°	20.4
45°	13.4
47.5°	7.7
50°	4.5
52.5°	3.3
55°	3.1
57.5°	2.8
60°	2.6
62.5°	2.4
65°	2.0
67.5°	1.8
70°	1.6
72.5°	1.4
75°	1.2
77.5°	1.0
80°	0.8
82.5°	0.6
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)