

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: P1290163

Luminaire Tested: P3A05R50W2N902765DE010 E3D1WH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902765DE010 E3D1WH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

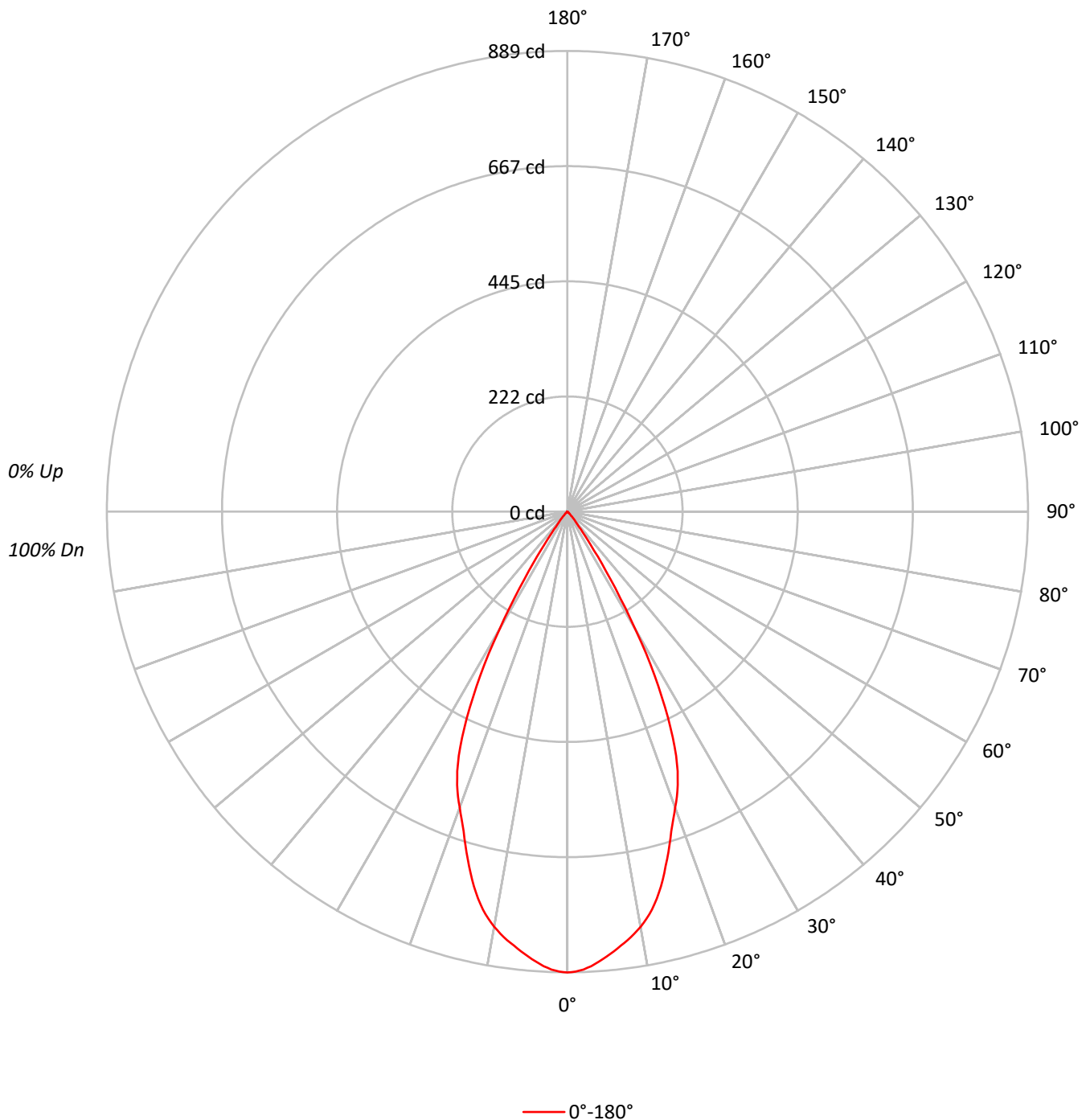
Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	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			100
1	114	112	109	107	112	110	108	106		105	104	102			102	101	99			95
2	109	105	101	98	107	103	100	97		100	97	95			97	95	93			90
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			85
4	100	94	89	85	99	92	88	85		90	87	84			88	85	83			80
5	96	89	84	80	94	88	83	79		86	82	79			84	81	78			76
6	92	84	79	75	91	83	78	75		82	78	74			81	77	74			72
7	88	80	75	71	87	79	74	71		78	74	70			77	73	70			68
8	84	76	71	67	83	76	71	67		75	70	67			74	69	66			65
9	81	73	67	64	80	72	67	64		71	67	63			70	66	63			62
10	78	69	64	61	77	69	64	61		68	64	60			67	63	60			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195006
5°	189808
10°	181137
15°	163974
20°	141856
25°	116378
30°	66846
35°	20773
40°	5582
45°	1954
50°	478
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	14.5
10°-20°	200.1	35.9
20°-30°	210.4	37.7
30°-40°	60.2	10.8
40°-50°	5.9	1.1
50°-60°	0.5	0.1
60°-70°	0.2	0.0
70°-80°	0.0	0.0
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°	491.3	88.0
0°-40°	551.5	98.8
0°-60°	557.8	100.0
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	889	
5°	862	81
15°	722	200
25°	481	210
35°	78	60
45°	6	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	889.3
1°	887.9
2°	884.0
3°	878.2
4°	870.6
5°	862.3
6°	853.4
7°	844.0
8°	835.1
9°	824.9
10°	813.5
11°	800.3
12°	785.1
13°	766.2
14°	745.7
15°	722.3
16°	697.5
17°	673.5
18°	648.9
19°	627.2
20°	607.9
21°	589.4
22°	568.4
23°	544.2
24°	515.8
25°	481.0
26°	443.2
27°	401.0
28°	359.1
29°	313.8
30°	264.0
31°	217.3
32°	174.4
32.5°	155.7
33°	136.8
34°	104.9
35°	77.6
36°	56.9
37°	42.3
37.5°	36.6
38°	31.7
39°	24.6
40°	19.5
42.5°	11.0
45°	6.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.5
50°	1.4
52.5°	0.6
55°	0.4
57.5°	0.4
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)