

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: P1290164

Luminaire Tested: P3A05R50W2N902765DE010 E3D1WH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290164
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

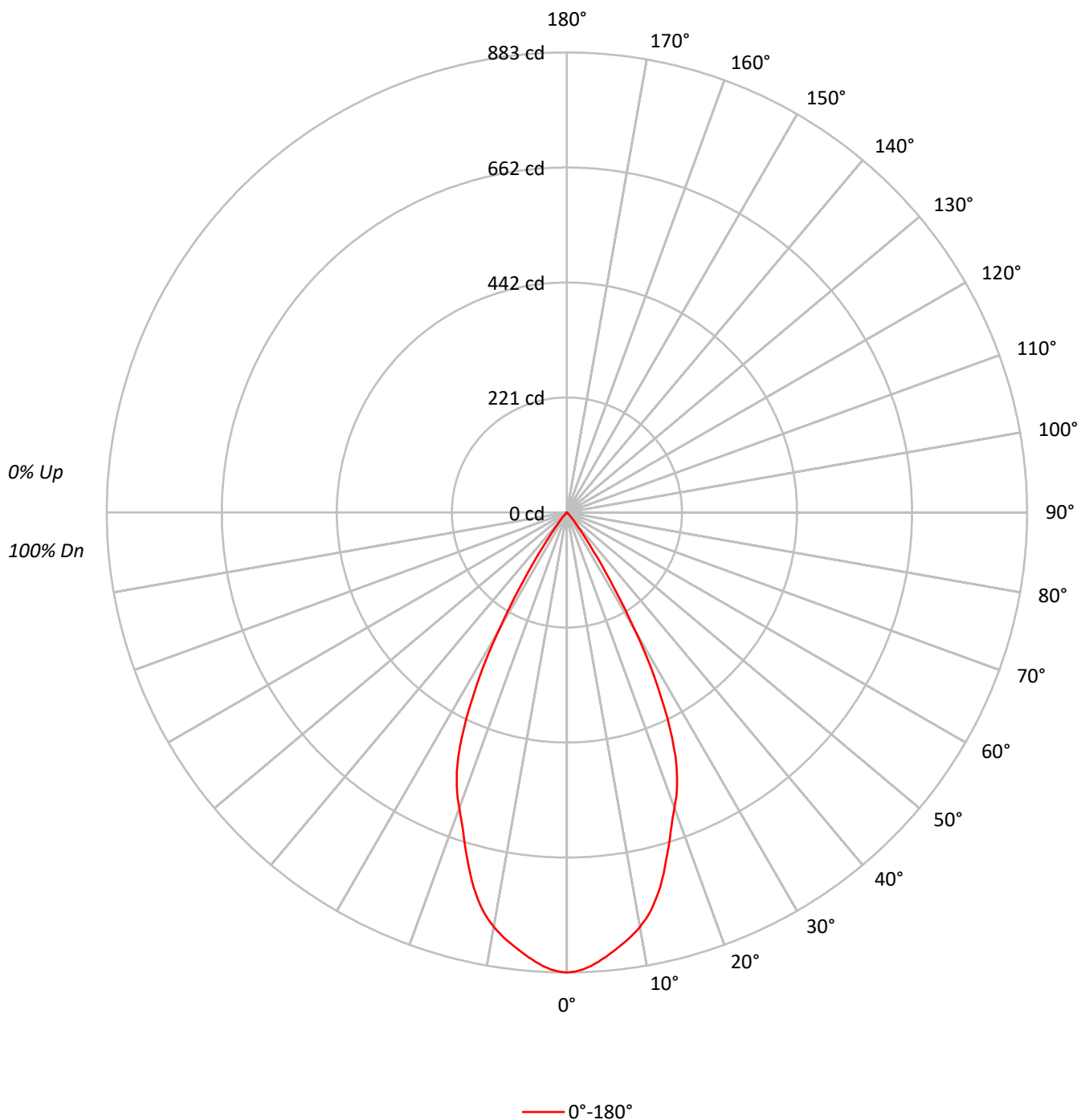
Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1290164

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1WH_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1290164

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1WH_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
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	110	108	106	105	104	102	102	101	99	98	97	97	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	78	75	82	78	74	81	77	74	79	76	73	72			
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68			
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193603
5°	188443
10°	179823
15°	162793
20°	140852
25°	115531
30°	66365
35°	20612
40°	5553
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

TEST NUMBER: P1290164

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1WH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	14.5
10°-20°	198.7	35.9
20°-30°	208.9	37.7
30°-40°	59.8	10.8
40°-50°	5.8	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°	487.7	88.0
0°-40°	547.5	98.8
0°-60°	553.8	100.0
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	883	
5°	856	80
15°	717	199
25°	478	209
35°	77	60
45°	6	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1290164

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1WH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	882.9
1°	881.5
2°	877.6
3°	871.9
4°	864.3
5°	856.1
6°	847.3
7°	837.9
8°	829.1
9°	819.0
10°	807.6
11°	794.5
12°	779.5
13°	760.7
14°	740.4
15°	717.1
16°	692.5
17°	668.7
18°	644.2
19°	622.7
20°	603.6
21°	585.2
22°	564.3
23°	540.3
24°	512.1
25°	477.5
26°	440.0
27°	398.2
28°	356.5
29°	311.6
30°	262.1
31°	215.8
32°	173.2
32.5°	154.6
33°	135.8
34°	104.2
35°	77.0
36°	56.5
37°	42.0
37.5°	36.4
38°	31.5
39°	24.4
40°	19.4
42.5°	10.9
45°	6.3



TEST NUMBER: P1290164

CATALOG NUMBER: P3A05R50W2N902765DE010 E3D1WH_5000K

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)