

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: P1290128

Luminaire Tested: P3A05R50W2N902765DE010 E3CD1MB_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290128
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: P3A05R50W2N902765DE010 E3CD1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

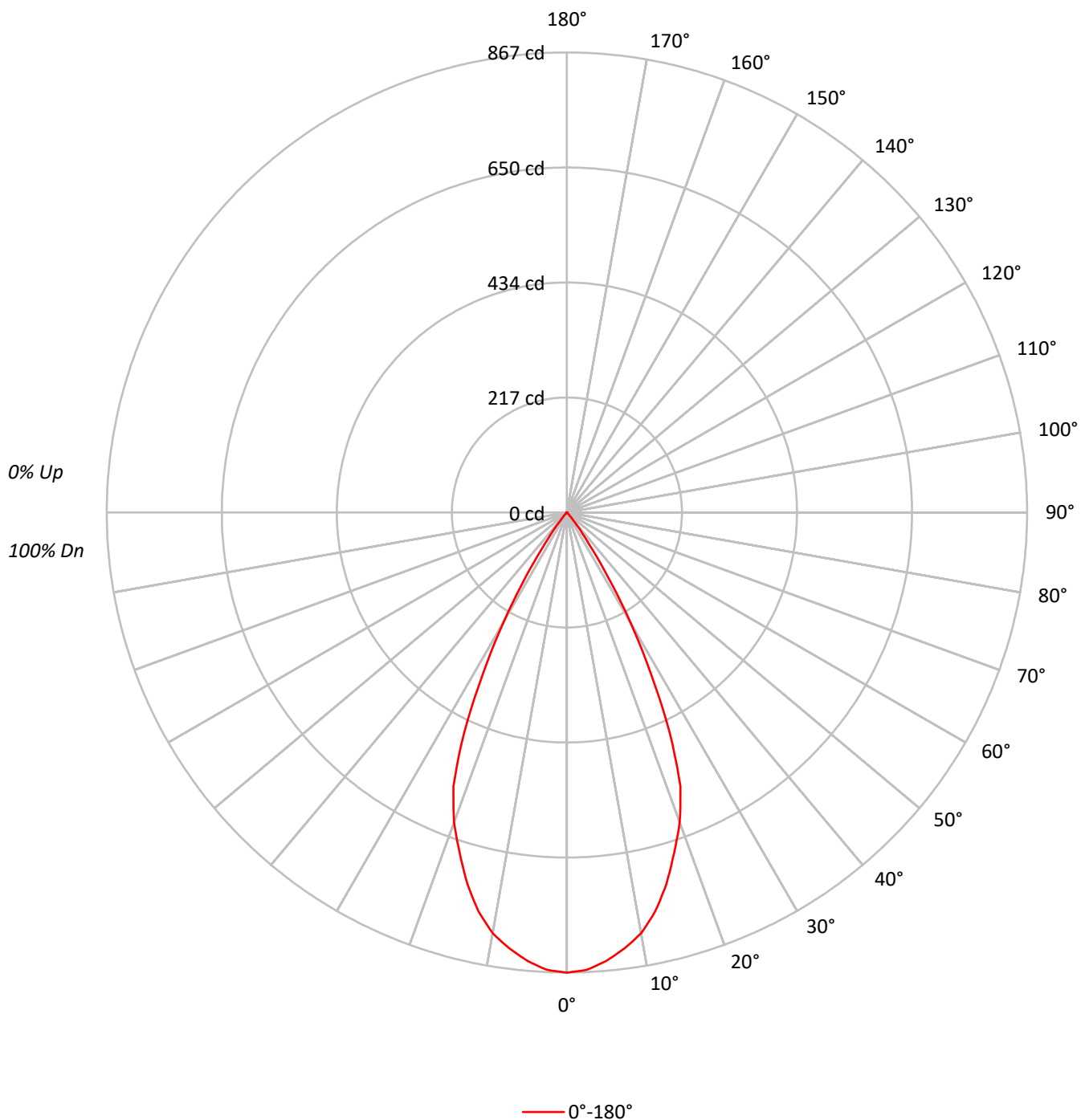
Lumens per Lamp: N/A
Luminaire Lumens: 546.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1290128

CATALOG NUMBER: P3A05R50W2N902765DE010 E3CD1MB_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1290128

CATALOG NUMBER: P3A05R50W2N902765DE010 E3CD1MB_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	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°	190160
5°	186748
10°	179311
15°	164428
20°	145006
25°	111127
30°	60414
35°	19434
40°	4580
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

TEST NUMBER: P1290128

CATALOG NUMBER: P3A05R50W2N902765DE010 E3CD1MB_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	14.6
10°-20°	201.3	36.9
20°-30°	201.6	36.9
30°-40°	56.7	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	0.0
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°	482.6	88.4
0°-40°	539.3	98.8
0°-60°	544.0	99.6
0°-90°	546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	546.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	867	
5°	848	80
15°	724	201
25°	459	202
35°	73	57
45°	2	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1290128

CATALOG NUMBER: P3A05R50W2N902765DE010 E3CD1MB_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	867.2
2.5°	862.8
5°	848.4
7.5°	828.9
10°	805.3
12.5°	769.8
15°	724.3
17.5°	672.0
20°	621.4
22.5°	558.3
25°	459.3
27.5°	342.0
30°	238.6
32.5°	144.1
35°	72.6
37.5°	34.3
40°	16.0
42.5°	6.0
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)