

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: P1290230

Luminaire Tested: P3A05R50W2N902765DE010 E3DLD1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902765DE010 E3DLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

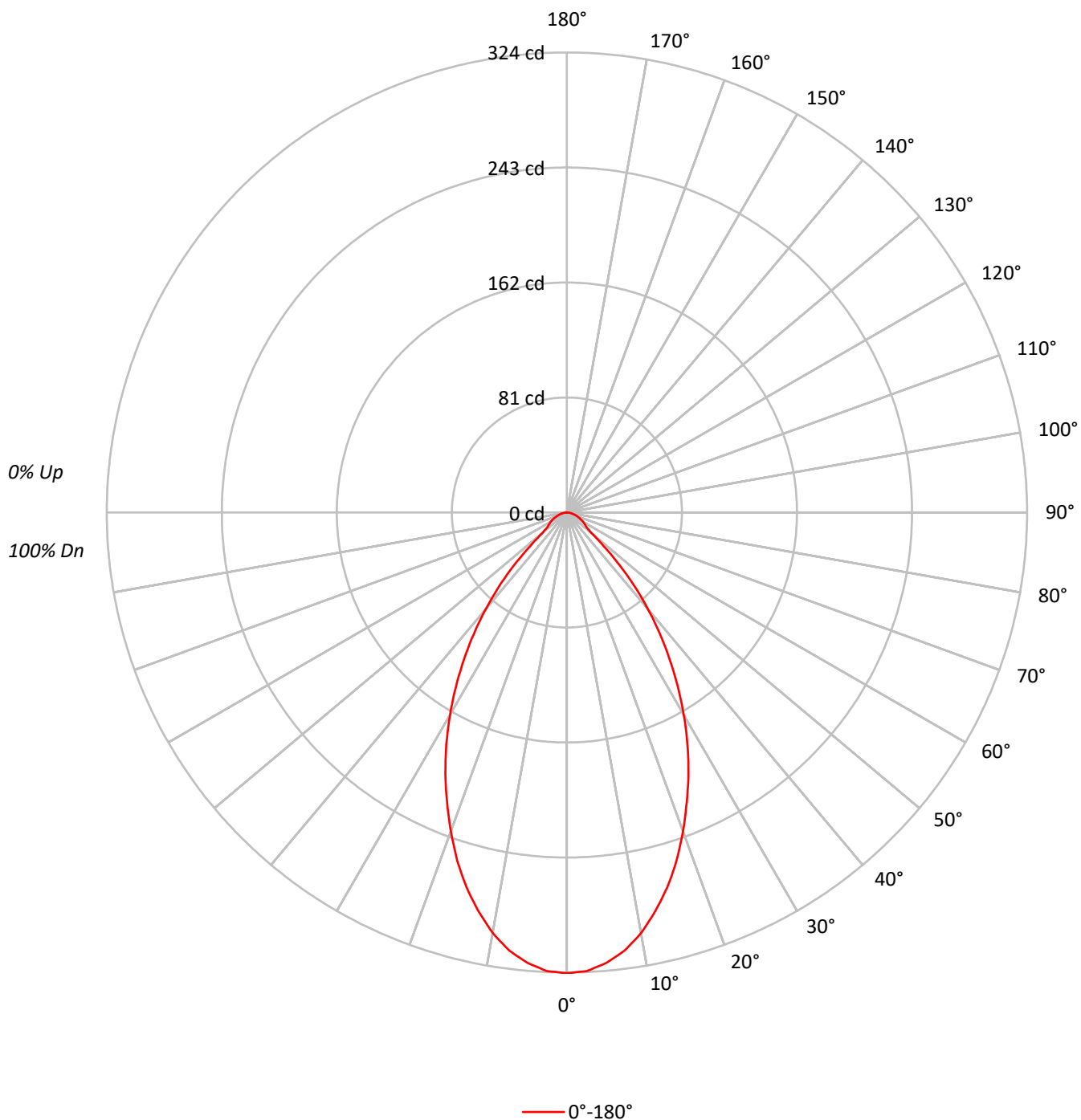
Lumens per Lamp: N/A
Luminaire Lumens: 350.1 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290230

CATALOG NUMBER: P3A05R50W2N902765DE010 E3DLD1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290230

CATALOG NUMBER: P3A05R50W2N902765DE010 E3DLD1MW_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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71135
5°	70086
10°	66977
15°	62021
20°	55748
25°	48995
30°	41677
35°	33783
40°	25390
45°	16343
50°	7778
55°	6117
60°	5789
65°	5396
70°	4873
75°	4406
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16343 cd/sqm

TEST NUMBER: P1290230

CATALOG NUMBER: P3A05R50W2N902765DE010 E3DLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	8.5
10°-20°	76.2	21.8
20°-30°	92.6	26.4
30°-40°	78.5	22.4
40°-50°	40.8	11.6
50°-60°	14.7	4.2
60°-70°	10.2	2.9
70°-80°	5.5	1.6
80°-90°	1.7	0.5
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°	198.6	56.7
0°-40°	277.1	79.2
0°-60°	332.6	95.0
0°-90°	350.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	324	
5°	318	30
15°	273	76
25°	202	93
35°	126	78
45°	53	41
55°	16	15
65°	10	10
75°	5	6
85°	2	2
90°	0	



TEST NUMBER: P1290230

CATALOG NUMBER: P3A05R50W2N902765DE010 E3DLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	324.4
2.5°	323.2
5°	318.4
7.5°	311.2
10°	300.8
12.5°	287.6
15°	273.2
17.5°	256.9
20°	238.9
22.5°	220.5
25°	202.5
27.5°	183.8
30°	164.6
32.5°	145.4
35°	126.2
37.5°	107.5
40°	88.7
42.5°	70.7
45°	52.7
47.5°	35.2
50°	22.8
52.5°	17.6
55°	16.0
57.5°	14.4
60°	13.2
62.5°	11.6
65°	10.4
67.5°	8.8
70°	7.6
72.5°	6.4
75°	5.2
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)