

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: P1290059

Luminaire Tested: P3A05R50W2N902750DE010 E3DLD1LI_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290059
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: P3A05R50W2N902750DE010 E3DLD1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

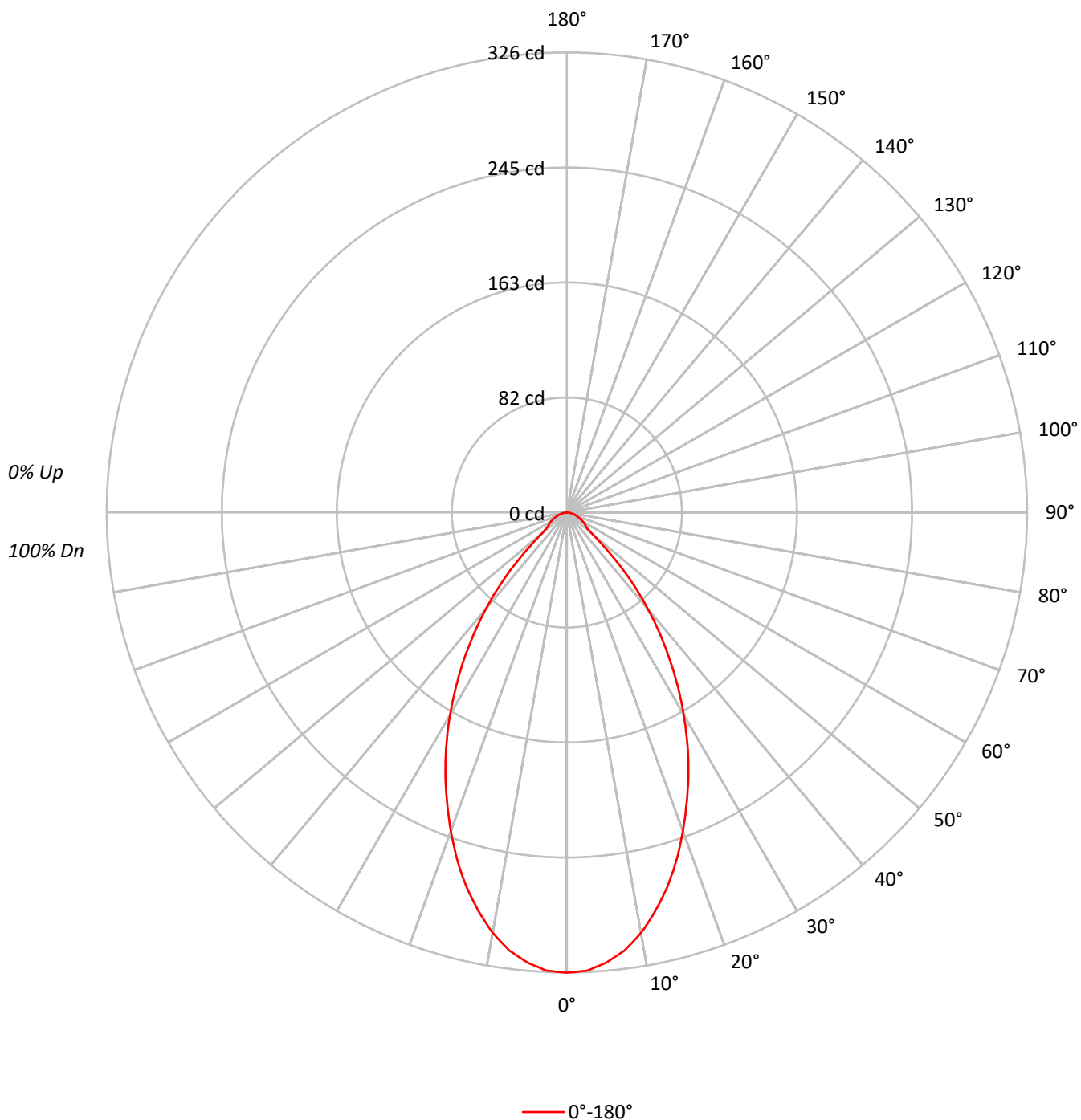
Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290059

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1LI_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290059

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1LI_4000K

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63		
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71529
5°	70482
10°	67356
15°	62384
20°	56052
25°	49285
30°	41905
35°	33997
40°	25534
45°	16436
50°	7812
55°	6155
60°	5833
65°	5396
70°	4873
75°	4406
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16436 cd/sqm

TEST NUMBER: P1290059

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1LI_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	8.5
10°-20°	76.6	21.8
20°-30°	93.1	26.4
30°-40°	78.9	22.4
40°-50°	41.0	11.7
50°-60°	14.8	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°	199.7	56.7
0°-40°	278.7	79.2
0°-60°	334.5	95.0
0°-90°	352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	326	
5°	320	30
15°	275	77
25°	204	93
35°	127	79
45°	53	41
55°	16	15
65°	10	10
75°	5	6
85°	2	2
90°	0	

TEST NUMBER: P1290059

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1LI_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	326.2
2.5°	325.0
5°	320.2
7.5°	313.0
10°	302.5
12.5°	289.3
15°	274.8
17.5°	258.3
20°	240.2
22.5°	221.8
25°	203.7
27.5°	184.8
30°	165.5
32.5°	146.2
35°	127.0
37.5°	108.1
40°	89.2
42.5°	71.1
45°	53.0
47.5°	35.4
50°	22.9
52.5°	17.7
55°	16.1
57.5°	14.5
60°	13.3
62.5°	11.7
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)