

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: P1283661

Luminaire Tested: P3AS09R50B2750DE010 E3DLD1LI_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283661
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: P3AS09R50B2750DE010 E3DLD1LI_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

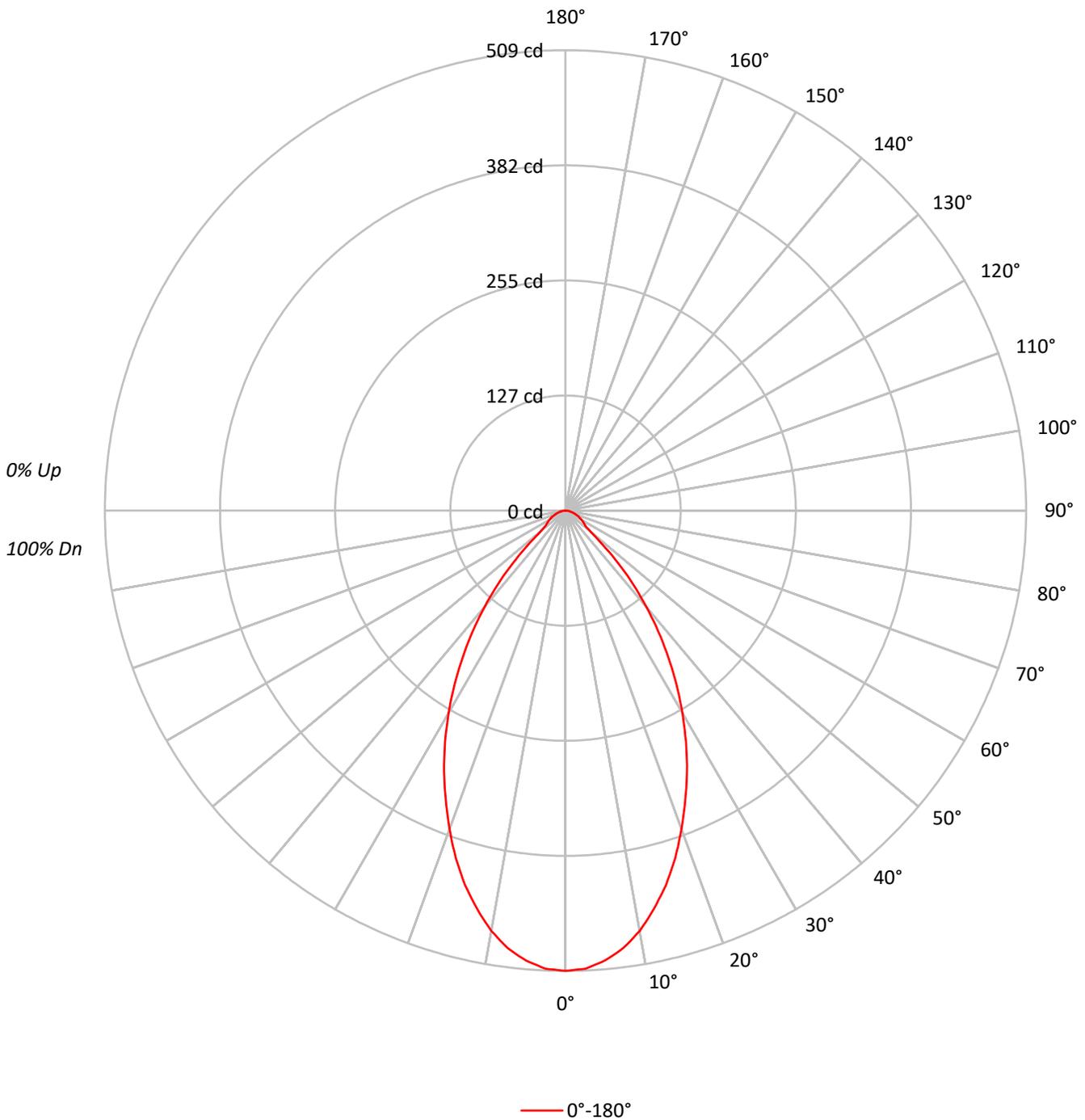
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.1 lumens
Efficiency: N/A
Efficacy: 41.9 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): 13.1
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				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	95	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°	111570
5°	109927
10°	105053
15°	97299
20°	87438
25°	76867
30°	65377
35°	53003
40°	39817
45°	25646
50°	12179
55°	9596
60°	9078
65°	8457
70°	7629
75°	6863
80°	6314
85°	6290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25646 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	8.5
10°-20°	119.5	21.8
20°-30°	145.2	26.4
30°-40°	123.1	22.4
40°-50°	63.9	11.6
50°-60°	23.1	4.2
60°-70°	16.0	2.9
70°-80°	8.7	1.6
80°-90°	2.7	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°	311.5	56.7
0°-40°	434.6	79.2
0°-60°	521.7	95.0
0°-90°	549.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	509	
5°	499	47
15°	429	119
25°	318	145
35°	198	123
45°	83	64
55°	25	23
65°	16	16
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	508.8
2.5°	506.9
5°	499.4
7.5°	488.1
10°	471.8
12.5°	451.1
15°	428.6
17.5°	402.9
20°	374.7
22.5°	345.9
25°	317.7
27.5°	288.2
30°	258.2
32.5°	228.1
35°	198.0
37.5°	168.6
40°	139.1
42.5°	110.9
45°	82.7
47.5°	55.1
50°	35.7
52.5°	27.6
55°	25.1
57.5°	22.6
60°	20.7
62.5°	18.2
65°	16.3
67.5°	13.8
70°	11.9
72.5°	10.0
75°	8.1
77.5°	6.3
80°	5.0
82.5°	3.8
85°	2.5
87.5°	1.3
90°	0.0

(END OF REPORT)