

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: P1283641

Luminaire Tested: P3AS09R50B2750DE010 E3DL1WH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R50B2750DE010 E3DL1WH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

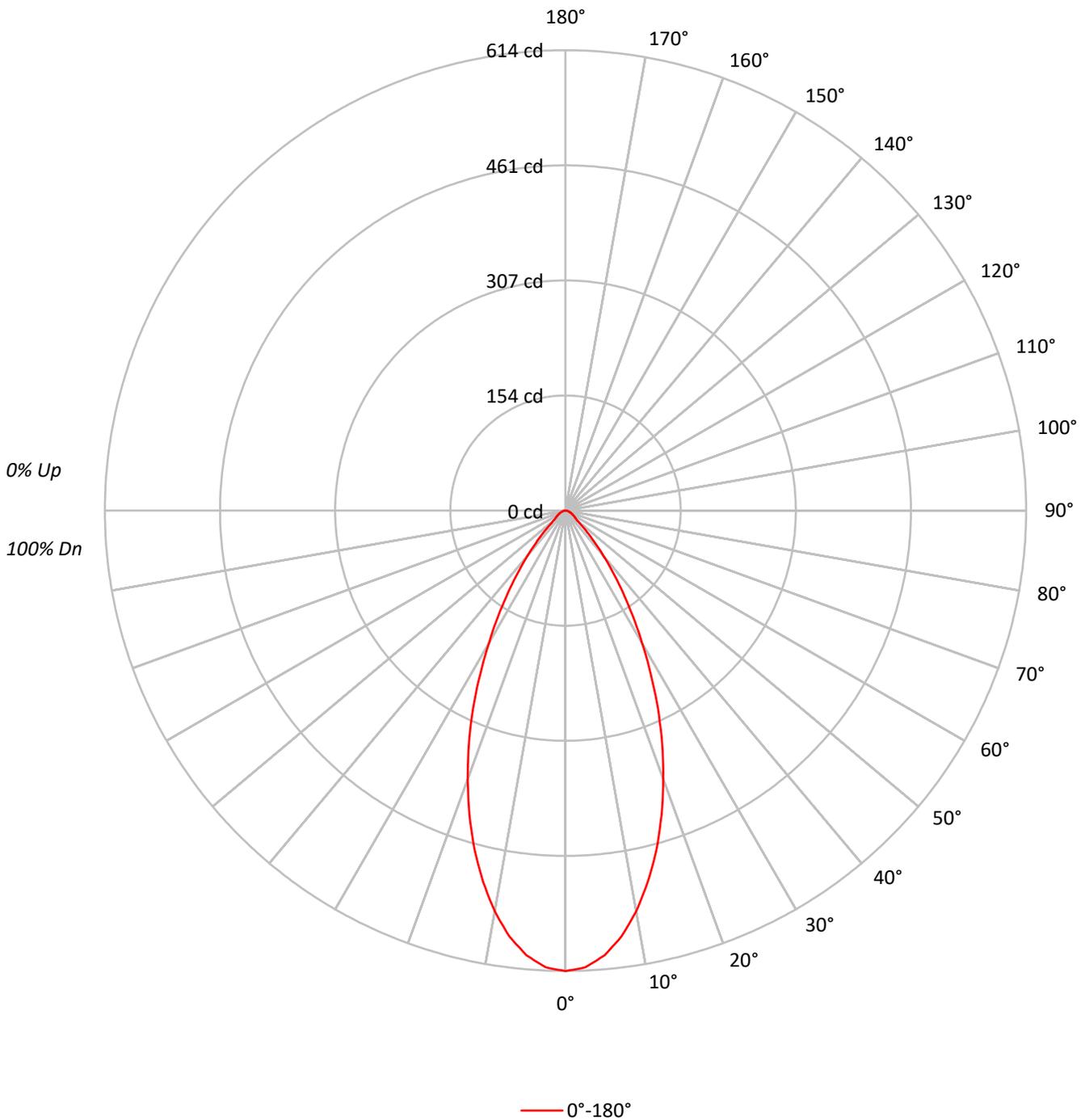
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79				79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73				73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68				68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64				64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60				60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56				56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53				53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50				50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134660
5°	131036
10°	120839
15°	106266
20°	88908
25°	70504
30°	51729
35°	35550
40°	22614
45°	12621
50°	6857
55°	5735
60°	4956
65°	4566
70°	4039
75°	3728
80°	3157
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12621 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	11.9
10°-20°	129.6	28.0
20°-30°	132.6	28.6
30°-40°	84.1	18.2
40°-50°	33.5	7.2
50°-60°	13.6	2.9
60°-70°	8.7	1.9
70°-80°	4.5	1.0
80°-90°	1.4	0.3
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°	317.4	68.5
0°-40°	401.5	86.7
0°-60°	448.5	96.9
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	614	
5°	595	55
15°	468	130
25°	291	133
35°	133	84
45°	41	33
55°	15	14
65°	9	9
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	614.1
2.5°	609.7
5°	595.3
7.5°	572.7
10°	542.7
12.5°	507.0
15°	468.1
17.5°	425.5
20°	381.0
22.5°	336.5
25°	291.4
27.5°	246.3
30°	204.3
32.5°	166.7
35°	132.8
37.5°	104.0
40°	79.0
42.5°	58.3
45°	40.7
47.5°	27.6
50°	20.1
52.5°	16.9
55°	15.0
57.5°	13.2
60°	11.3
62.5°	10.0
65°	8.8
67.5°	7.5
70°	6.3
72.5°	5.0
75°	4.4
77.5°	3.1
80°	2.5
82.5°	1.9
85°	1.3
87.5°	0.6
90°	0.0

(END OF REPORT)