

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: P1283601

Luminaire Tested: P3AS09R50B2750DE010 E3D1LI_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R50B2750DE010 E3D1LI_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

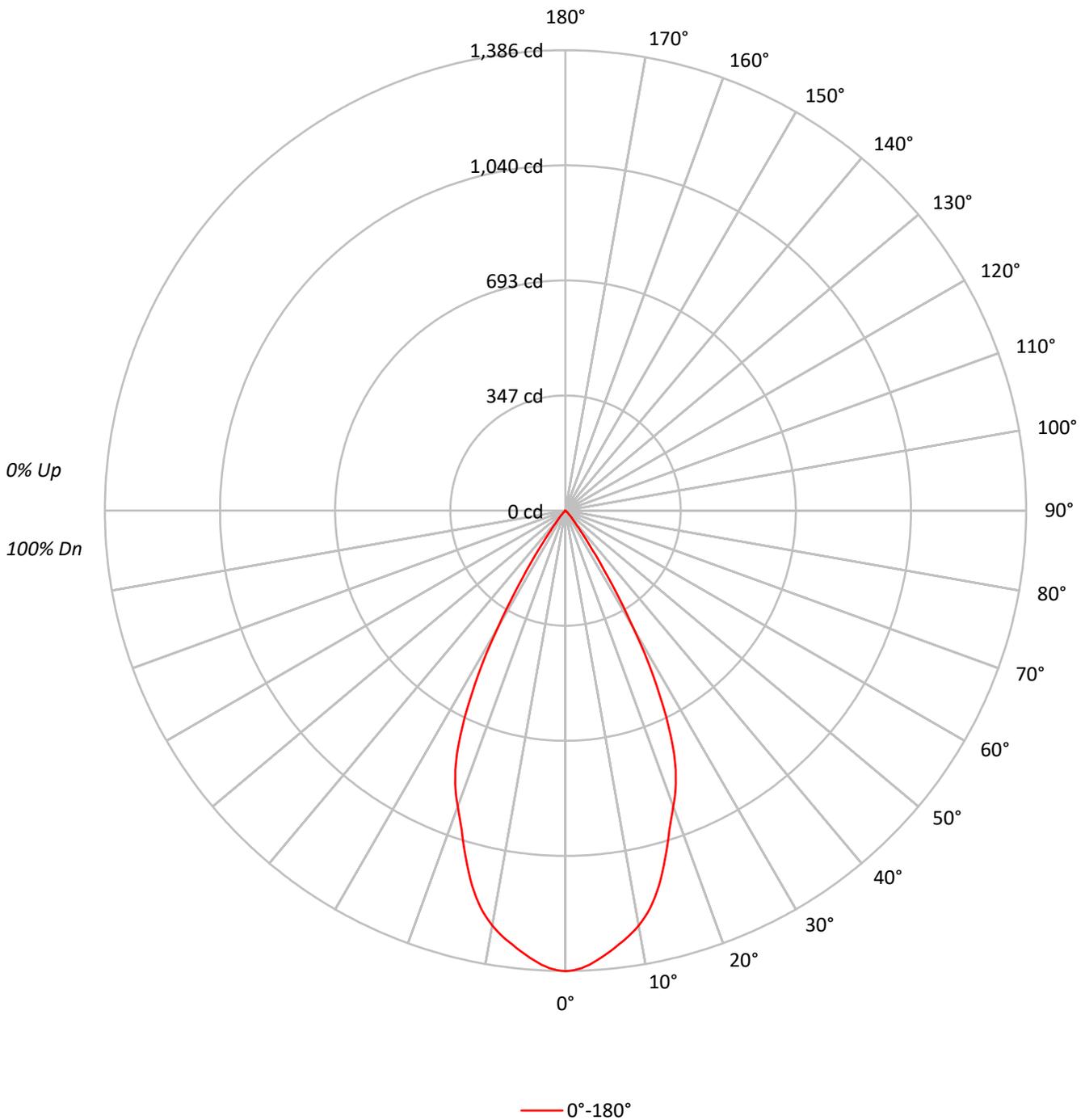
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 870.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 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	100	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68	68	68	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65	65	65	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	304033
5°	295927
10°	282404
15°	255665
20°	221196
25°	181438
30°	104219
35°	32364
40°	8702
45°	3039
50°	716
55°	229
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3039 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	14.5
10°-20°	312.0	35.9
20°-30°	328.0	37.7
30°-40°	93.9	10.8
40°-50°	9.2	1.1
50°-60°	0.7	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	765.9	88.0
0°-40°	859.8	98.8
0°-60°	869.7	100.0
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1386	
5°	1344	126
15°	1126	312
25°	750	328
35°	121	94
45°	10	9
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1386.5
1°	1384.3
2°	1378.2
3°	1369.3
4°	1357.3
5°	1344.4
6°	1330.6
7°	1315.9
8°	1302.1
9°	1286.1
10°	1268.3
11°	1247.7
12°	1224.1
13°	1194.6
14°	1162.7
15°	1126.2
16°	1087.5
17°	1050.1
18°	1011.7
19°	977.9
20°	947.9
21°	919.0
22°	886.2
23°	848.4
24°	804.2
25°	749.9
26°	690.9
27°	625.3
28°	559.9
29°	489.3
30°	411.6
31°	338.9
32°	272.0
32.5°	242.8
33°	213.3
34°	163.6
35°	120.9
36°	88.7
37°	66.0
37.5°	57.1
38°	49.4
39°	38.4
40°	30.4
42.5°	17.2
45°	9.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.5
50°	2.1
52.5°	0.9
55°	0.6
57.5°	0.6
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)