

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: P1285321

Luminaire Tested: P3AS13R50B2750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1285321
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: P3AS13R50B2750DE010 E3D1H_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

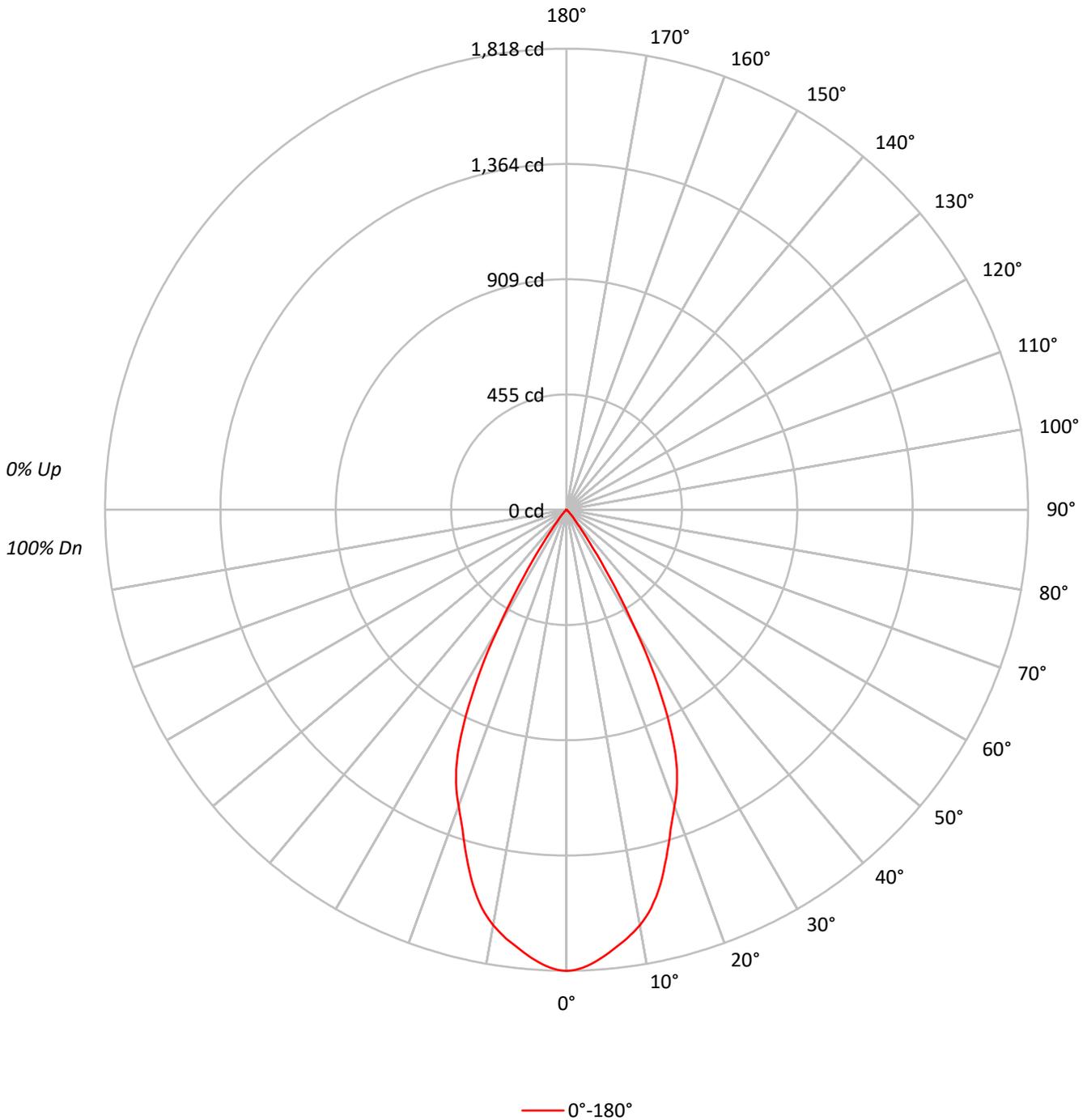
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1141.0 lumens
Efficiency: N/A
Efficacy: 59.7 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): 19.1
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398740
5°	388113
10°	370378
15°	335303
20°	290082
25°	237957
30°	136679
35°	42456
40°	11421
45°	4000
50°	955
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4000 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	14.5
10°-20°	409.2	35.9
20°-30°	430.1	37.7
30°-40°	123.1	10.8
40°-50°	12.0	1.1
50°-60°	1.0	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°	1004.5	88.0
0°-40°	1127.7	98.8
0°-60°	1140.6	100.0
0°-90°	1141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1818	
5°	1763	165
15°	1477	409
25°	984	430
35°	159	123
45°	13	12
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1818.4
1°	1815.6
2°	1807.5
3°	1795.8
4°	1780.1
5°	1763.2
6°	1745.1
7°	1725.8
8°	1707.7
9°	1686.7
10°	1663.4
11°	1636.4
12°	1605.4
13°	1566.8
14°	1524.9
15°	1477.0
16°	1426.3
17°	1377.2
18°	1326.8
19°	1282.6
20°	1243.1
21°	1205.3
22°	1162.2
23°	1112.7
24°	1054.7
25°	983.5
26°	906.2
27°	820.0
28°	734.3
29°	641.7
30°	539.8
31°	444.4
32°	356.7
32.5°	318.4
33°	279.8
34°	214.6
35°	158.6
36°	116.3
37°	86.6
37.5°	74.9
38°	64.8
39°	50.3
40°	39.9
42.5°	22.5
45°	12.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.2
50°	2.8
52.5°	1.2
55°	0.8
57.5°	0.8
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
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)