

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: P1285340

Luminaire Tested: P3AS13R50B2750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1285340
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 E3D1WMH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

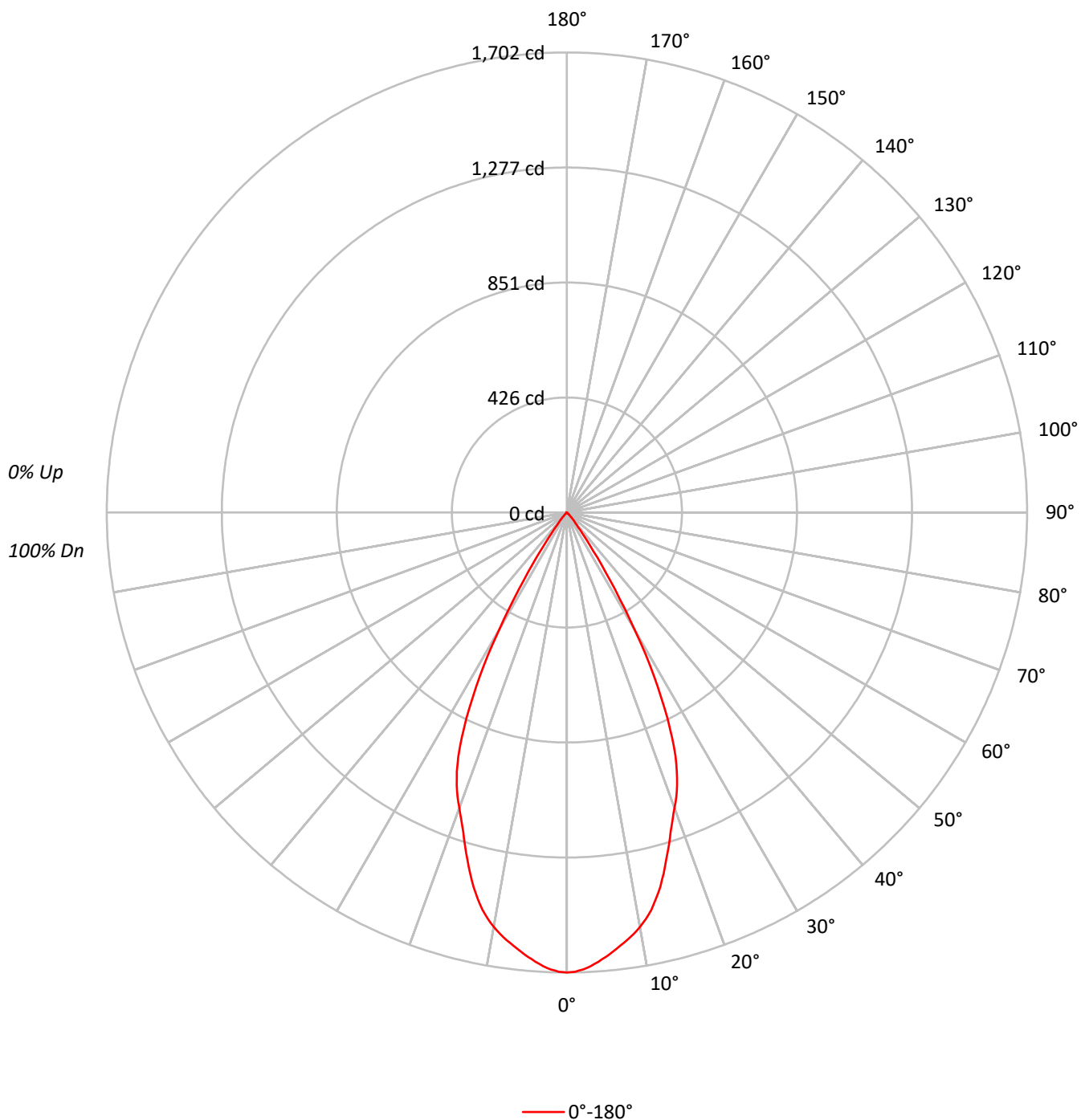
Lumens per Lamp: N/A
Luminaire Lumens: 1068.0 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80		
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68		
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	373216
5°	363283
10°	346687
15°	313850
20°	271530
25°	222714
30°	127944
35°	39752
40°	10677
45°	3752
50°	887
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: 3752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	14.5
10°-20°	383.1	35.9
20°-30°	402.6	37.7
30°-40°	115.2	10.8
40°-50°	11.3	1.1
50°-60°	0.9	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°	940.3	88.0
0°-40°	1055.5	98.8
0°-60°	1067.7	100.0
0°-90°	1068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1702	
5°	1650	155
15°	1382	383
25°	920	403
35°	148	115
45°	12	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1702.0
1°	1699.4
2°	1691.9
3°	1680.9
4°	1666.2
5°	1650.4
6°	1633.5
7°	1615.4
8°	1598.4
9°	1578.8
10°	1557.0
11°	1531.7
12°	1502.7
13°	1466.5
14°	1427.3
15°	1382.5
16°	1335.0
17°	1289.1
18°	1242.0
19°	1200.5
20°	1163.6
21°	1128.2
22°	1087.8
23°	1041.5
24°	987.2
25°	920.5
26°	848.2
27°	767.6
28°	687.3
29°	600.6
30°	505.3
31°	416.0
32°	333.9
32.5°	298.1
33°	261.9
34°	200.8
35°	148.5
36°	108.9
37°	81.0
37.5°	70.1
38°	60.7
39°	47.1
40°	37.3
42.5°	21.1
45°	12.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.8
50°	2.6
52.5°	1.1
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)