

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: P1283343

Luminaire Tested: P3AS09R40B2750DE010 E3D1WMH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R40B2750DE010 E3D1WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

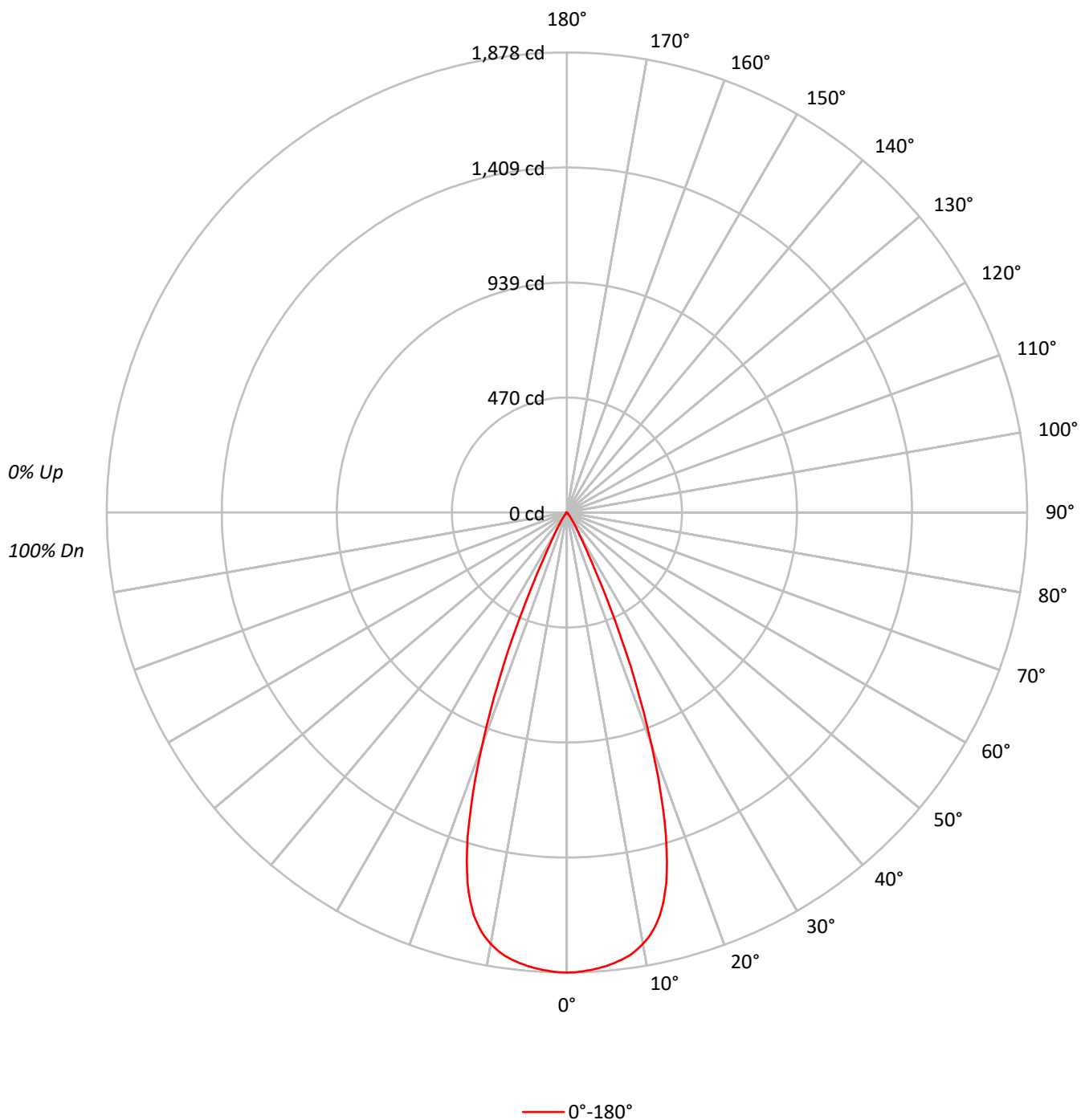
Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98		96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94		92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93	91	90		88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90	88	86		85
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88	85	83		82
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85	82	80		79
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82	79	77		76
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79	76	74		73
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77	74	71		70
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		74	71	69		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	411853
5°	408892
10°	398189
15°	355689
20°	235851
25°	88360
30°	23624
35°	9235
40°	3321
45°	1582
50°	478
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: 1582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	21.7
10°-20°	415.1	51.4
20°-30°	188.3	23.3
30°-40°	24.4	3.0
40°-50°	4.2	0.5
50°-60°	0.5	0.1
60°-70°	0.2	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°	778.7	96.4
0°-40°	803.1	99.4
0°-60°	807.8	100.0
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1878	
5°	1858	175
15°	1567	415
25°	365	188
35°	34	24
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1878.2
1°	1877.1
2°	1874.3
3°	1870.0
4°	1864.6
5°	1857.6
6°	1849.4
7°	1839.2
8°	1826.7
9°	1809.8
10°	1788.3
11°	1763.1
12°	1729.4
13°	1687.8
14°	1633.5
15°	1566.8
16°	1481.6
17°	1384.6
18°	1268.1
19°	1145.0
20°	1010.7
21°	876.3
22°	743.9
23°	612.1
24°	482.6
25°	365.2
26°	270.4
27°	198.0
28°	148.8
29°	115.7
30°	93.3
31°	77.2
32°	64.5
32.5°	58.8
33°	53.2
34°	43.3
35°	34.5
36°	27.2
37°	21.5
37.5°	19.2
38°	17.0
39°	14.1
40°	11.6
42.5°	7.6
45°	5.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.1
50°	1.4
52.5°	0.6
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
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)