

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: P1283342

Luminaire Tested: P3AS09R40B2750DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283342
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

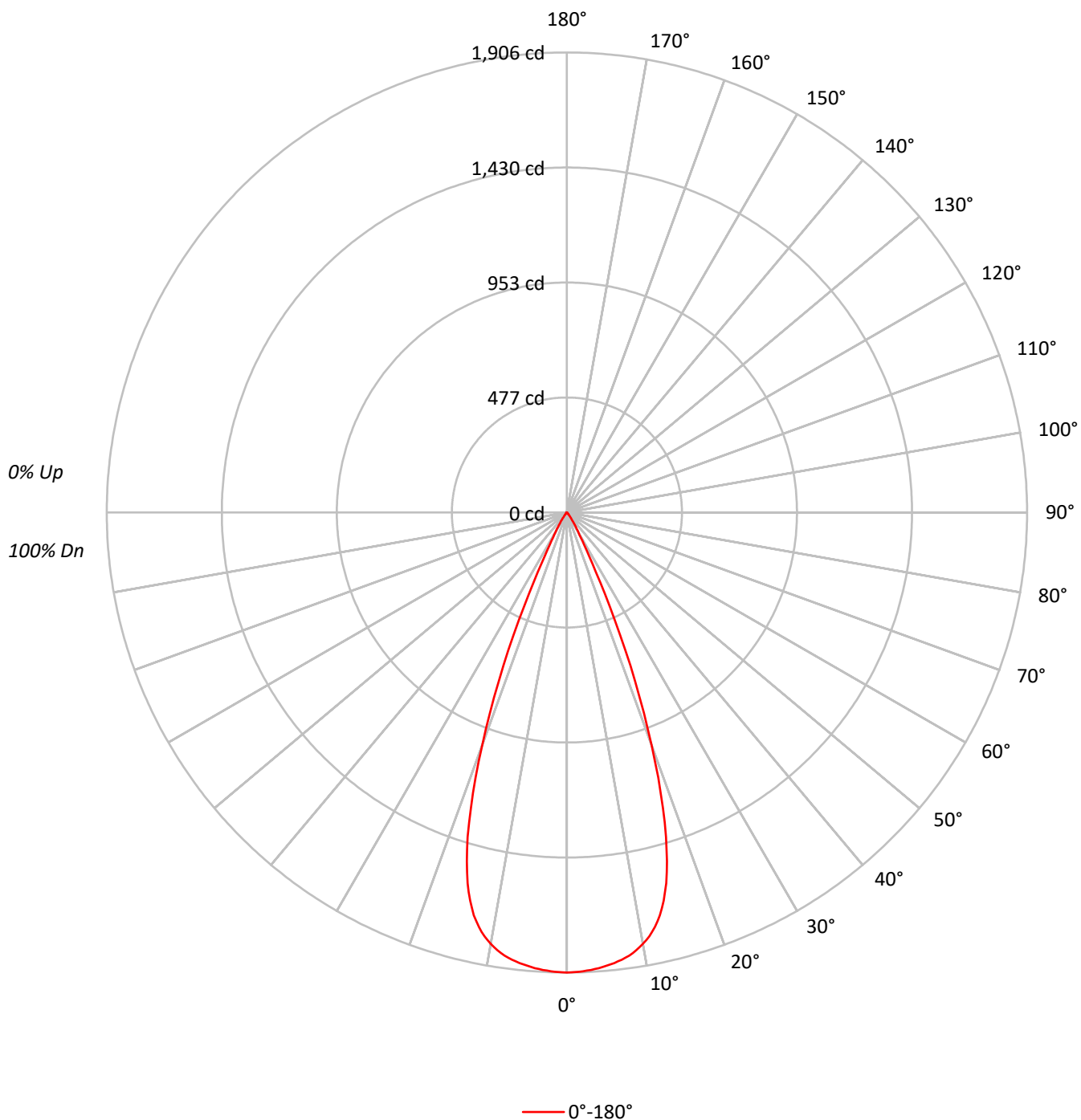
Lumens per Lamp: N/A
Luminaire Lumens: 820.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	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°	417971
5°	414967
10°	404090
15°	360978
20°	239351
25°	89666
30°	23978
35°	9369
40°	3378
45°	1613
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: 1613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	21.7
10°-20°	421.3	51.4
20°-30°	191.1	23.3
30°-40°	24.8	3.0
40°-50°	4.3	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°	790.3	96.4
0°-40°	815.0	99.4
0°-60°	819.9	100.0
0°-90°	820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1906	
5°	1885	178
15°	1590	421
25°	371	191
35°	35	25
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°	1906.1
1°	1905.0
2°	1902.1
3°	1897.8
4°	1892.3
5°	1885.2
6°	1876.8
7°	1866.5
8°	1853.9
9°	1836.6
10°	1814.8
11°	1789.3
12°	1755.1
13°	1712.9
14°	1657.8
15°	1590.1
16°	1503.6
17°	1405.2
18°	1286.9
19°	1162.0
20°	1025.7
21°	889.3
22°	755.0
23°	621.2
24°	489.7
25°	370.6
26°	274.4
27°	200.9
28°	151.0
29°	117.4
30°	94.7
31°	78.4
32°	65.5
32.5°	59.7
33°	54.0
34°	43.9
35°	35.0
36°	27.6
37°	21.8
37.5°	19.5
38°	17.2
39°	14.4
40°	11.8
42.5°	7.8
45°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.2
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)