

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: P1283345

Luminaire Tested: P3AS09R40B2750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283345
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

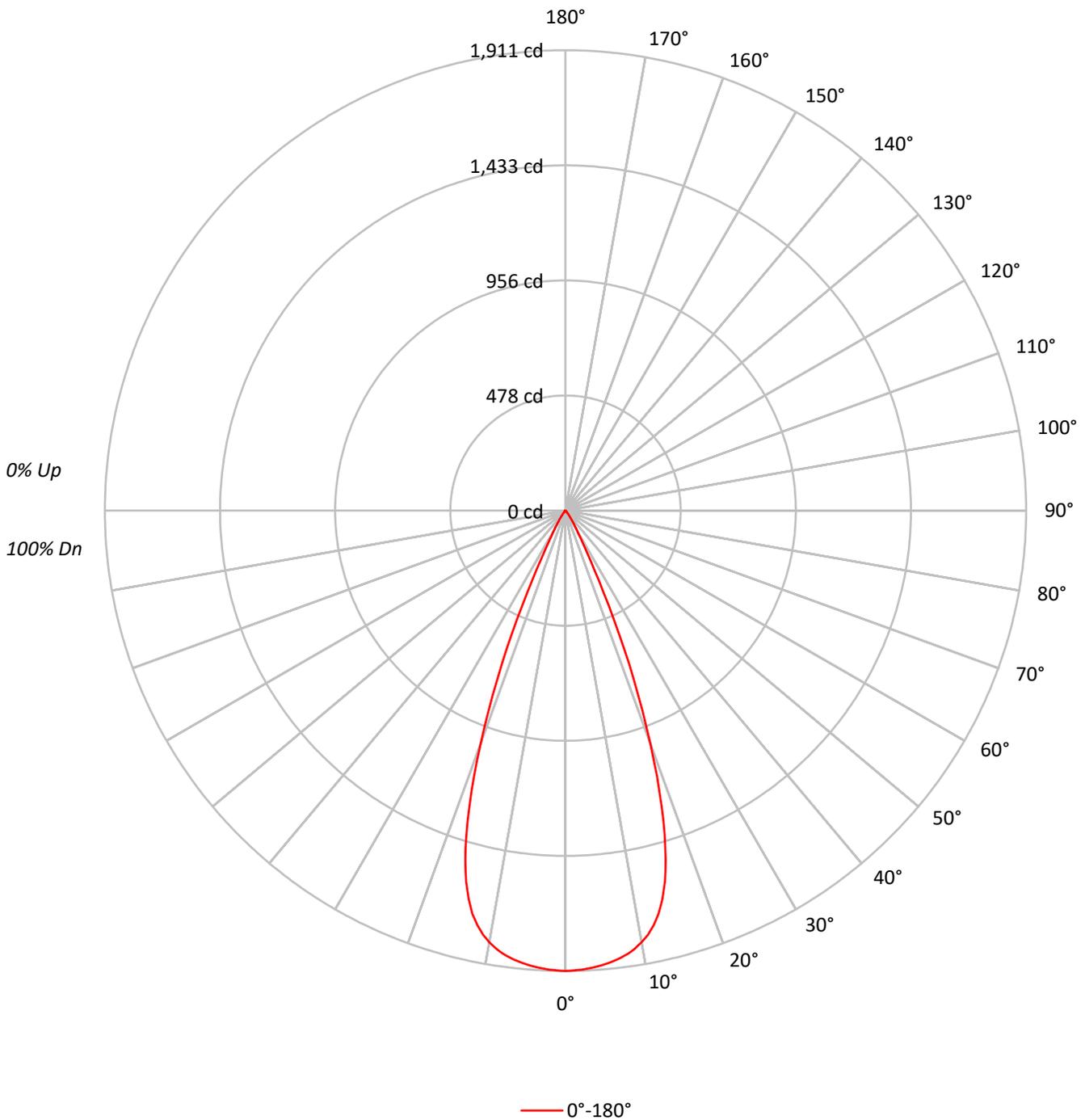
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 62.8 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				
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
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92			92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88			88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79			79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76			76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73			73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70			70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419002
5°	415980
10°	405069
15°	361841
20°	239934
25°	89884
30°	24054
35°	9396
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°	178.3	21.7
10°-20°	422.3	51.4
20°-30°	191.5	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°	792.2	96.4
0°-40°	817.0	99.4
0°-60°	821.8	100.0
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1911	
5°	1890	178
15°	1594	422
25°	372	192
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°	1910.8
1°	1909.6
2°	1906.7
3°	1902.4
4°	1896.9
5°	1889.8
6°	1881.4
7°	1871.0
8°	1858.4
9°	1841.1
10°	1819.2
11°	1793.6
12°	1759.4
13°	1717.1
14°	1661.8
15°	1593.9
16°	1507.3
17°	1408.6
18°	1290.0
19°	1164.9
20°	1028.2
21°	891.5
22°	756.8
23°	622.7
24°	490.9
25°	371.5
26°	275.1
27°	201.4
28°	151.4
29°	117.7
30°	95.0
31°	78.6
32°	65.6
32.5°	59.9
33°	54.1
34°	44.0
35°	35.1
36°	27.6
37°	21.9
37.5°	19.6
38°	17.3
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)