

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: P1293371

Luminaire Tested: P3A09R40W2N902765DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293371
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: P3A09R40W2N902765DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

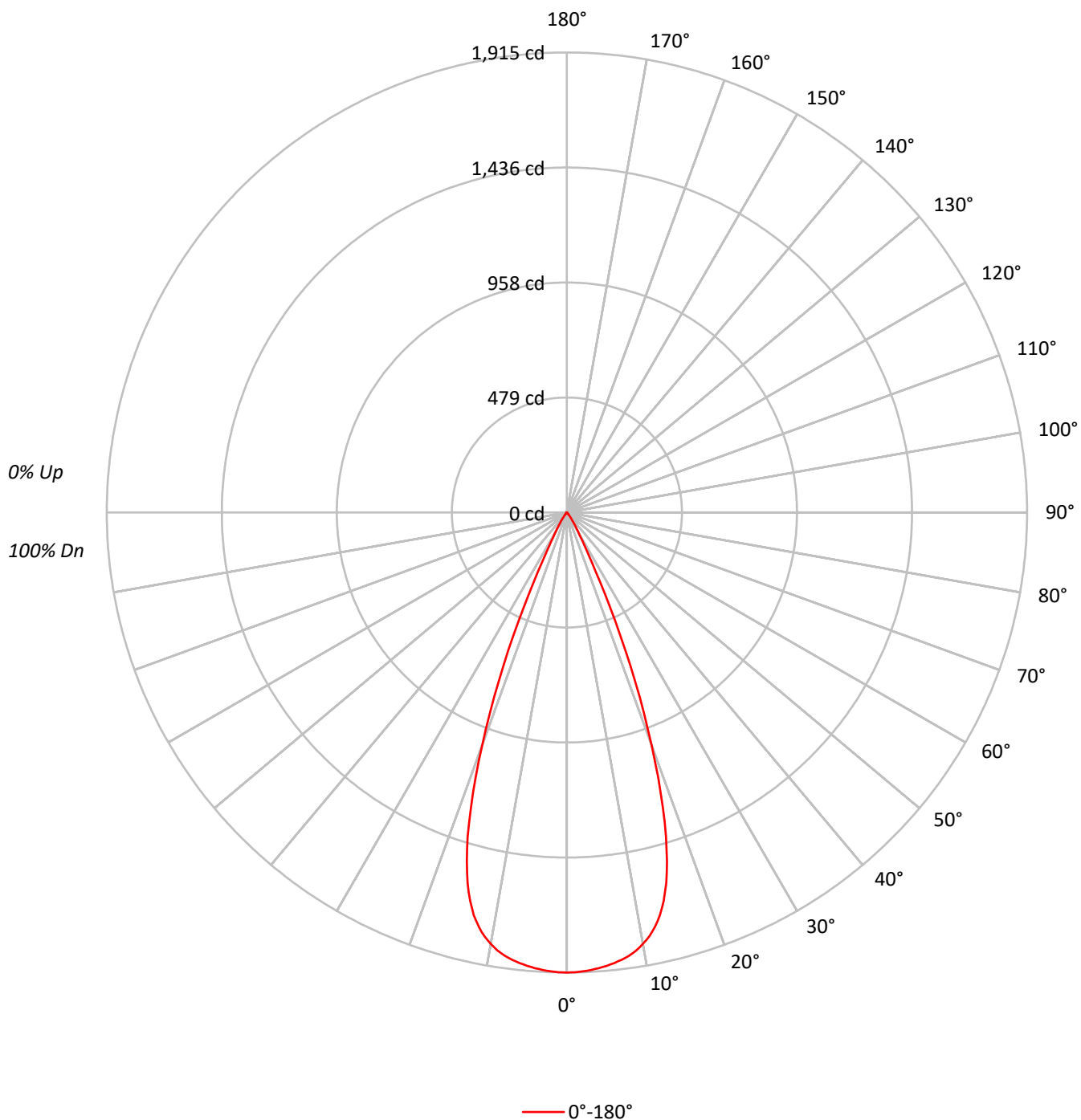
Lumens per Lamp: N/A
Luminaire Lumens: 824.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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°	420010
5°	416970
10°	406071
15°	362726
20°	240518
25°	90102
30°	24105
35°	9423
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°	178.8	21.7
10°-20°	423.4	51.4
20°-30°	192.0	23.3
30°-40°	24.9	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°	794.1	96.4
0°-40°	819.0	99.4
0°-60°	823.8	100.0
0°-90°	824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1915	
5°	1894	179
15°	1598	423
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°	1915.4
1°	1914.3
2°	1911.4
3°	1907.0
4°	1901.6
5°	1894.3
6°	1886.0
7°	1875.6
8°	1862.9
9°	1845.6
10°	1823.7
11°	1798.0
12°	1763.7
13°	1721.3
14°	1665.9
15°	1597.8
16°	1511.0
17°	1412.0
18°	1293.2
19°	1167.7
20°	1030.7
21°	893.7
22°	758.7
23°	624.2
24°	492.1
25°	372.4
26°	275.8
27°	201.9
28°	151.7
29°	118.0
30°	95.2
31°	78.8
32°	65.8
32.5°	60.0
33°	54.2
34°	44.1
35°	35.2
36°	27.7
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)