

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: P1297163

Luminaire Tested: P3A13R40W2N902765DE010 E3D1WMH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297163
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: P3A13R40W2N902765DE010 E3D1WMH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

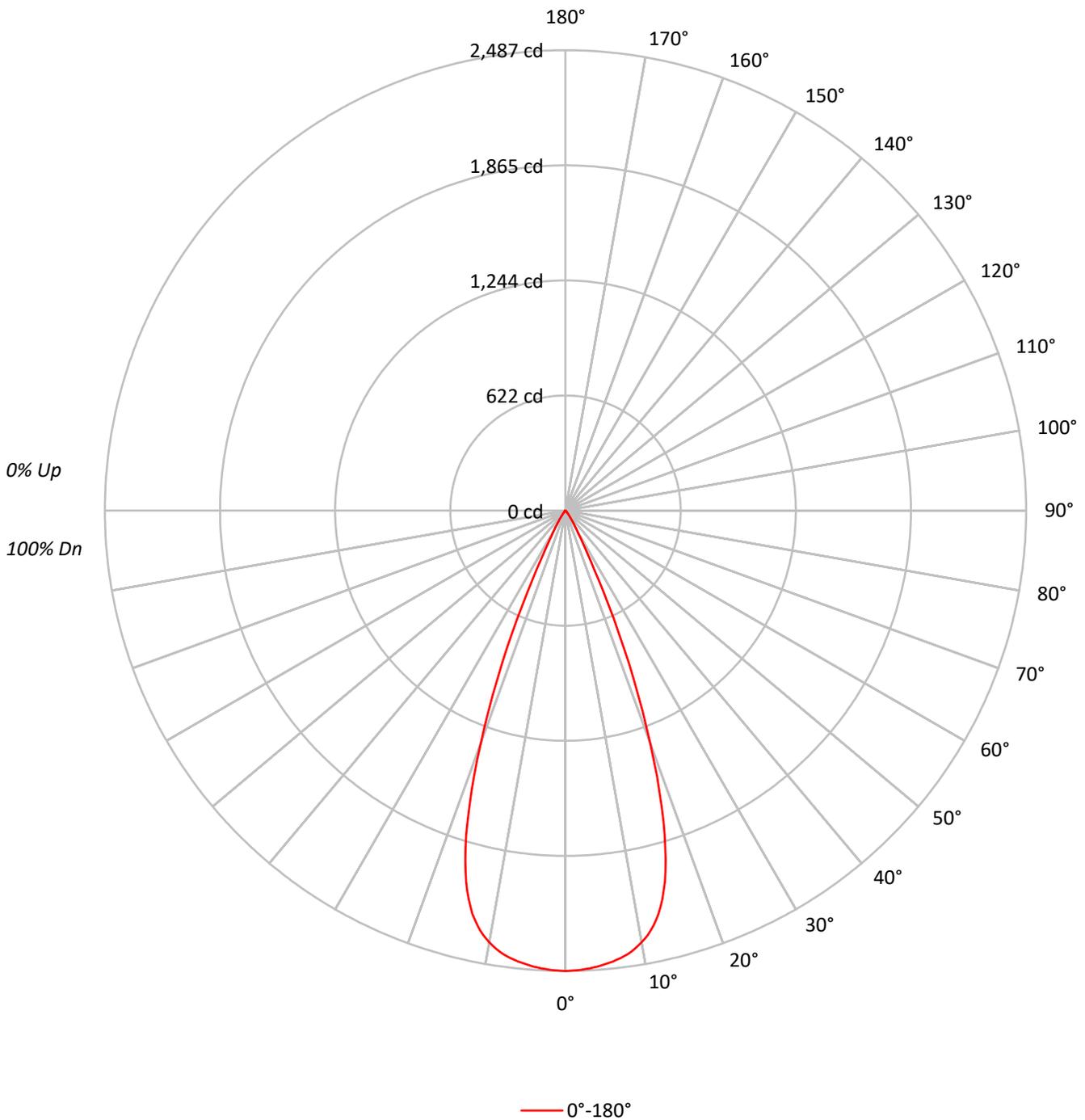
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1070.0 lumens
Efficiency: N/A
Efficacy: 87.0 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): 12.3
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

TEST NUMBER: P1297163
CATALOG NUMBER: P3A13R40W2N902765DE010 E3D1WMH_3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	545395
5°	541469
10°	527289
15°	471013
20°	312320
25°	117007
30°	31296
35°	12234
40°	4408
45°	2078
50°	648
55°	268
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2078 cd/sqm



TEST NUMBER: P1297163

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	21.7
10°-20°	549.8	51.4
20°-30°	249.3	23.3
30°-40°	32.3	3.0
40°-50°	5.6	0.5
50°-60°	0.7	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°	1031.2	96.4
0°-40°	1063.5	99.4
0°-60°	1069.8	100.0
0°-90°	1070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2487	
5°	2460	232
15°	2075	550
25°	484	249
35°	46	32
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2487.2
1°	2485.7
2°	2482.0
3°	2476.4
4°	2469.3
5°	2459.9
6°	2449.0
7°	2435.5
8°	2419.1
9°	2396.6
10°	2368.1
11°	2334.8
12°	2290.2
13°	2235.1
14°	2163.2
15°	2074.8
16°	1962.1
17°	1833.6
18°	1679.3
19°	1516.3
20°	1338.4
21°	1160.5
22°	985.2
23°	810.6
24°	639.0
25°	483.6
26°	358.1
27°	262.2
28°	197.0
29°	153.2
30°	123.6
31°	102.3
32°	85.4
32.5°	77.9
33°	70.4
34°	57.3
35°	45.7
36°	36.0
37°	28.5
37.5°	25.5
38°	22.5
39°	18.7
40°	15.4
42.5°	10.1
45°	6.7



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CATALOG NUMBER: P3A13R40W2N902765DE010 E3D1WMH_3000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	4.1
50°	1.9
52.5°	0.7
55°	0.7
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
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)