

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: P1297138

Luminaire Tested: P3A13R40W2N902765DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297138
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 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

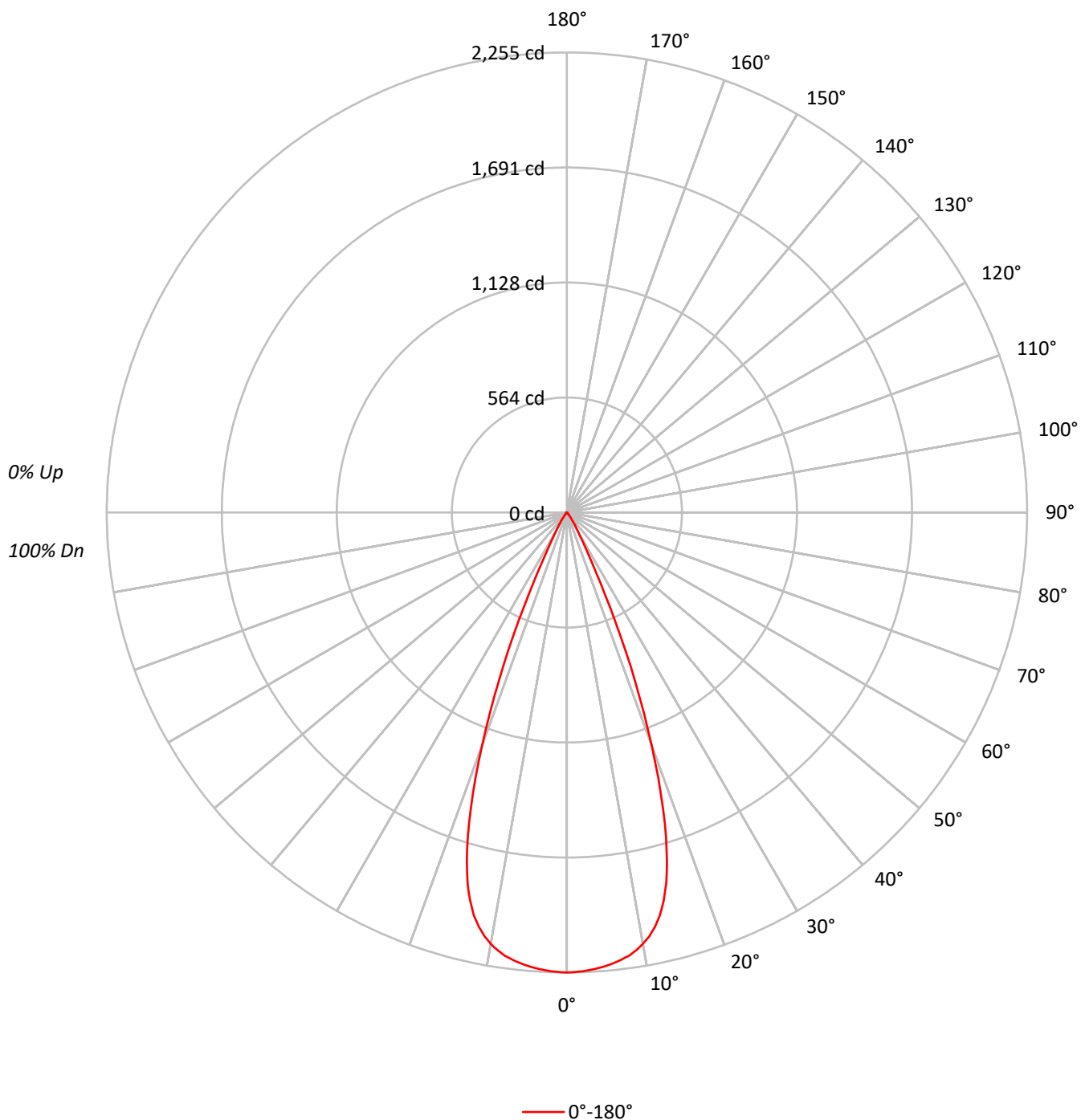
Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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						
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	75	71	69	68						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	494434
5°	490864
10°	478014
15°	426995
20°	283128
25°	106071
30°	28384
35°	11082
40°	3979
45°	1892
50°	580
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1892 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	21.7
10°-20°	498.4	51.4
20°-30°	226.0	23.3
30°-40°	29.3	3.0
40°-50°	5.1	0.5
50°-60°	0.6	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°	934.8	96.4
0°-40°	964.1	99.4
0°-60°	969.8	100.0
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2255	
5°	2230	210
15°	1881	498
25°	438	226
35°	41	29
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2254.8
1°	2253.4
2°	2250.0
3°	2244.9
4°	2238.5
5°	2230.0
6°	2220.2
7°	2207.9
8°	2193.0
9°	2172.6
10°	2146.8
11°	2116.6
12°	2076.2
13°	2026.3
14°	1961.1
15°	1880.9
16°	1778.7
17°	1662.2
18°	1522.3
19°	1374.6
20°	1213.3
21°	1052.0
22°	893.1
23°	734.8
24°	579.3
25°	438.4
26°	324.6
27°	237.7
28°	178.6
29°	138.9
30°	112.1
31°	92.7
32°	77.4
32.5°	70.6
33°	63.8
34°	52.0
35°	41.4
36°	32.6
37°	25.8
37.5°	23.1
38°	20.4
39°	17.0
40°	13.9
42.5°	9.2
45°	6.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.7
50°	1.7
52.5°	0.7
55°	0.7
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)