

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: P1297142

Luminaire Tested: P3A13R40W2N902765DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297142
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

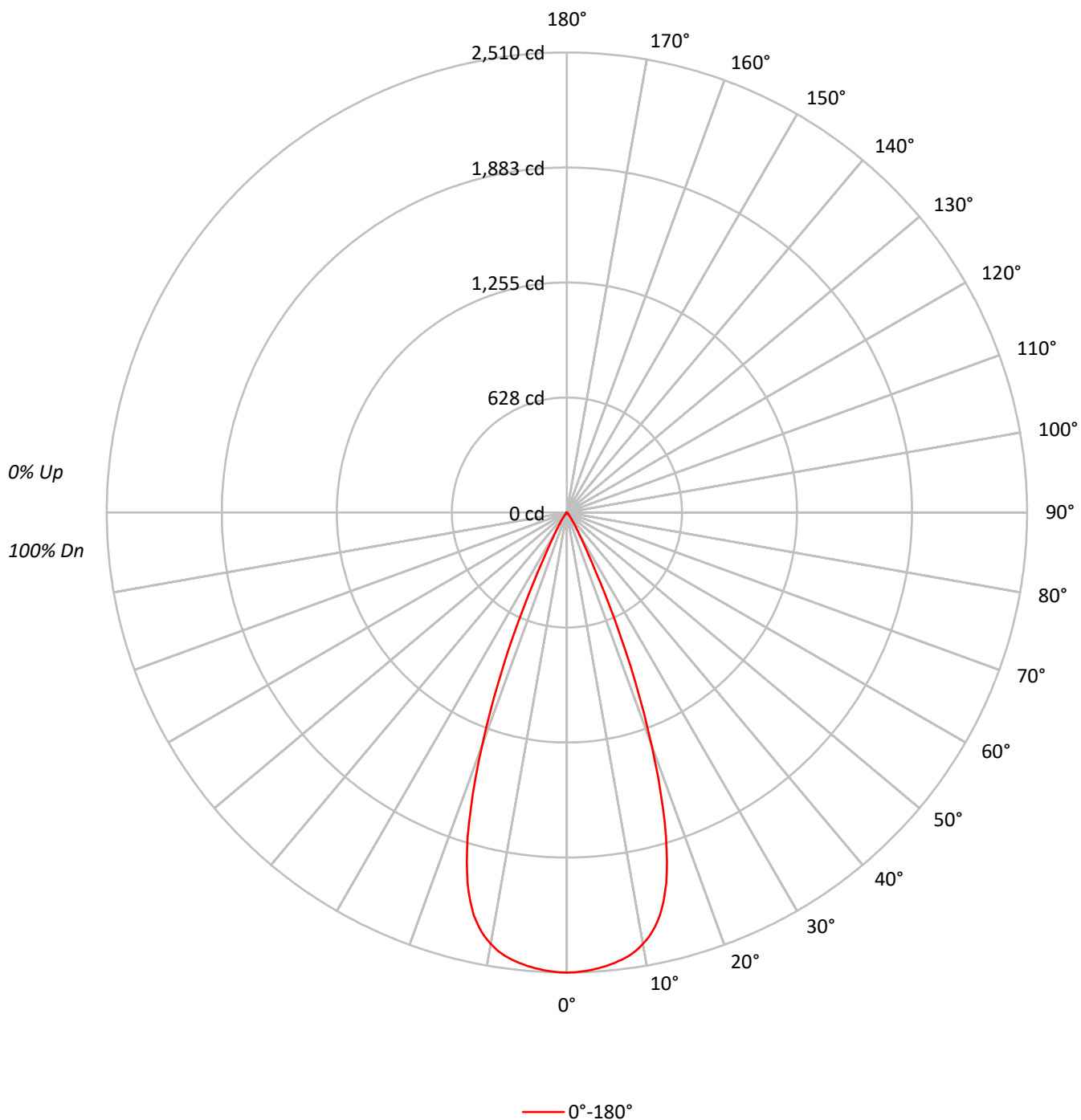
Lumens per Lamp: N/A
Luminaire Lumens: 1080.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1297142

CATALOG NUMBER: P3A13R40W2N902765DE010 E3D1H_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1297142

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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	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°	550504
5°	546532
10°	532232
15°	475417
20°	315237
25°	118096
30°	31600
35°	12341
40°	4437
45°	2109
50°	648
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2109 cd/sqm

TEST NUMBER: P1297142

CATALOG NUMBER: P3A13R40W2N902765DE010 E3D1H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	21.7
10°-20°	554.9	51.4
20°-30°	251.6	23.3
30°-40°	32.6	3.0
40°-50°	5.7	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°	1040.8	96.4
0°-40°	1073.4	99.4
0°-60°	1079.8	100.0
0°-90°	1080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1080.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2510	
5°	2483	234
15°	2094	555
25°	488	252
35°	46	33
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1297142

CATALOG NUMBER: P3A13R40W2N902765DE010 E3D1H_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2510.5
1°	2509.0
2°	2505.2
3°	2499.5
4°	2492.3
5°	2482.9
6°	2471.9
7°	2458.3
8°	2441.7
9°	2419.0
10°	2390.3
11°	2356.6
12°	2311.6
13°	2256.0
14°	2183.4
15°	2094.2
16°	1980.4
17°	1850.7
18°	1695.0
19°	1530.5
20°	1350.9
21°	1171.3
22°	994.4
23°	818.2
24°	645.0
25°	488.1
26°	361.4
27°	264.7
28°	198.9
29°	154.6
30°	124.8
31°	103.2
32°	86.2
32.5°	78.6
33°	71.1
34°	57.8
35°	46.1
36°	36.3
37°	28.7
37.5°	25.7
38°	22.7
39°	18.9
40°	15.5
42.5°	10.2
45°	6.8



TEST NUMBER: P1297142

CATALOG NUMBER: P3A13R40W2N902765DE010 E3D1H_5000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	4.2
50°	1.9
52.5°	0.8
55°	0.8
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)