

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: P1297132

Luminaire Tested: P3A13R40W2N902765DE010 E3CD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R40W2N902765DE010 E3CD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

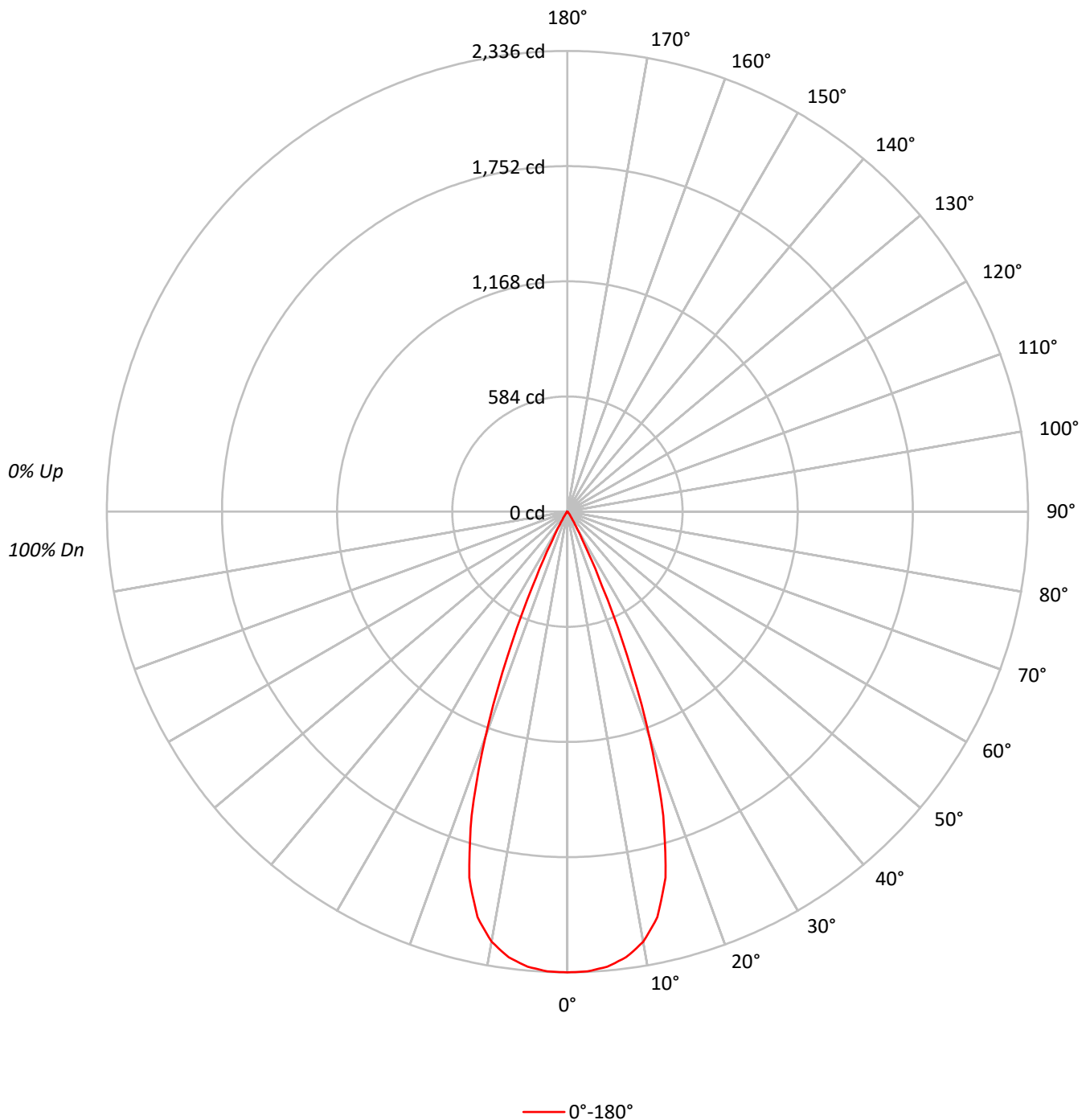
Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297132

CATALOG NUMBER: P3A13R40W2N902765DE010 E3CD1MW_2700K

Luminous Intensity Polar Plot



CATALOG NUMBER: P3A13R40W2N902765DE010 E3CD1MW_2700K

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	94	92	90	89						
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85						
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82						
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79						
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76						
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73						
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71						
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	512305
5°	509838
10°	493222
15°	436370
20°	284715
25°	100869
30°	21396
35°	7040
40°	2576
45°	868
50°	716
55°	803
60°	614
65°	726
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Luminance: 1176 cd/sqm

TEST NUMBER: P1297132

CATALOG NUMBER: P3A13R40W2N902765DE010 E3CD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	22.4
10°-20°	507.5	52.2
20°-30°	220.2	22.6
30°-40°	20.3	2.1
40°-50°	2.9	0.3
50°-60°	1.8	0.2
60°-70°	1.3	0.1
70°-80°	0.7	0.1
80°-90°	0.3	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°	945.7	97.2
0°-40°	966.0	99.3
0°-60°	970.7	99.8
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2336	
5°	2316	218
15°	1922	508
25°	417	220
35°	26	20
45°	3	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1297132

CATALOG NUMBER: P3A13R40W2N902765DE010 E3CD1MW_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2336.3
2.5°	2333.5
5°	2316.2
7.5°	2279.5
10°	2215.1
12.5°	2106.4
15°	1922.2
17.5°	1616.9
20°	1220.1
22.5°	792.2
25°	416.9
27.5°	179.3
30°	84.5
32.5°	45.7
35°	26.3
37.5°	15.9
40°	9.0
42.5°	4.8
45°	2.8
47.5°	2.1
50°	2.1
52.5°	2.1
55°	2.1
57.5°	2.1
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)