

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: P1297001

Luminaire Tested: P3A13R40W2N902750DE010 E3D1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297001
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: P3A13R40W2N902750DE010 E3D1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

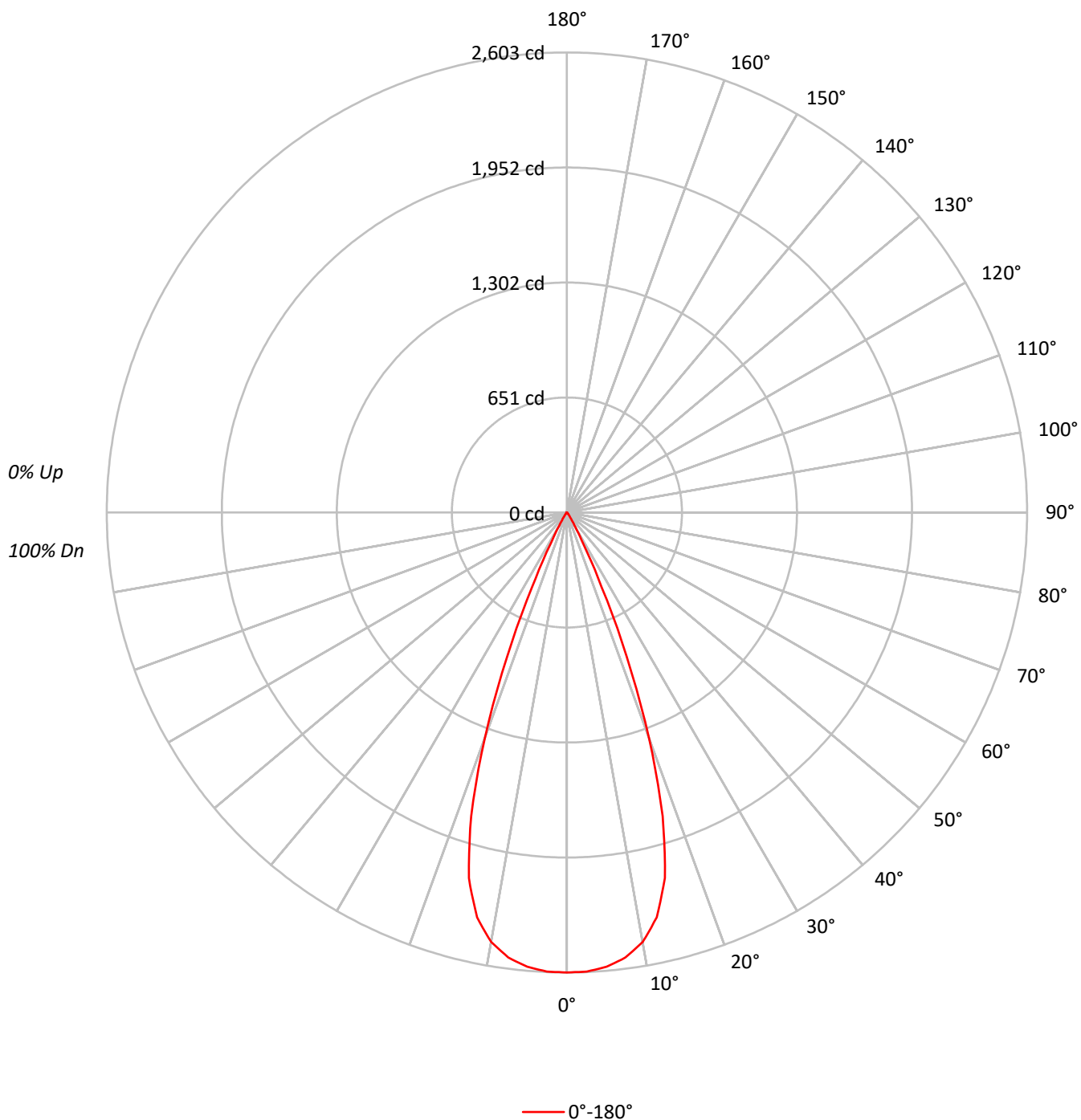
Lumens per Lamp: N/A
Luminaire Lumens: 1084.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297001

CATALOG NUMBER: P3A13R40W2N902750DE010 E3D1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297001

CATALOG NUMBER: P3A13R40W2N902750DE010 E3D1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	570744
5°	568015
10°	549489
15°	486155
20°	317198
25°	112361
30°	23826
35°	7843
40°	2863
45°	961
50°	785
55°	879
60°	658
65°	778
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 1344 cd/sqm

TEST NUMBER: P1297001

CATALOG NUMBER: P3A13R40W2N902750DE010 E3D1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	22.4
10°-20°	565.4	52.2
20°-30°	245.4	22.6
30°-40°	22.6	2.1
40°-50°	3.2	0.3
50°-60°	2.0	0.2
60°-70°	1.4	0.1
70°-80°	0.8	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°	1053.6	97.2
0°-40°	1076.2	99.3
0°-60°	1081.4	99.8
0°-90°	1084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2603	
5°	2580	243
15°	2142	565
25°	464	245
35°	29	23
45°	3	3
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1297001

CATALOG NUMBER: P3A13R40W2N902750DE010 E3D1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2602.8
2.5°	2599.8
5°	2580.5
7.5°	2539.6
10°	2467.8
12.5°	2346.7
15°	2141.5
17.5°	1801.3
20°	1359.3
22.5°	882.5
25°	464.4
27.5°	199.8
30°	94.1
32.5°	50.9
35°	29.3
37.5°	17.7
40°	10.0
42.5°	5.4
45°	3.1
47.5°	2.3
50°	2.3
52.5°	2.3
55°	2.3
57.5°	2.3
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)