

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: P1297029

Luminaire Tested: P3A13R40W2N902750DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R40W2N902750DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

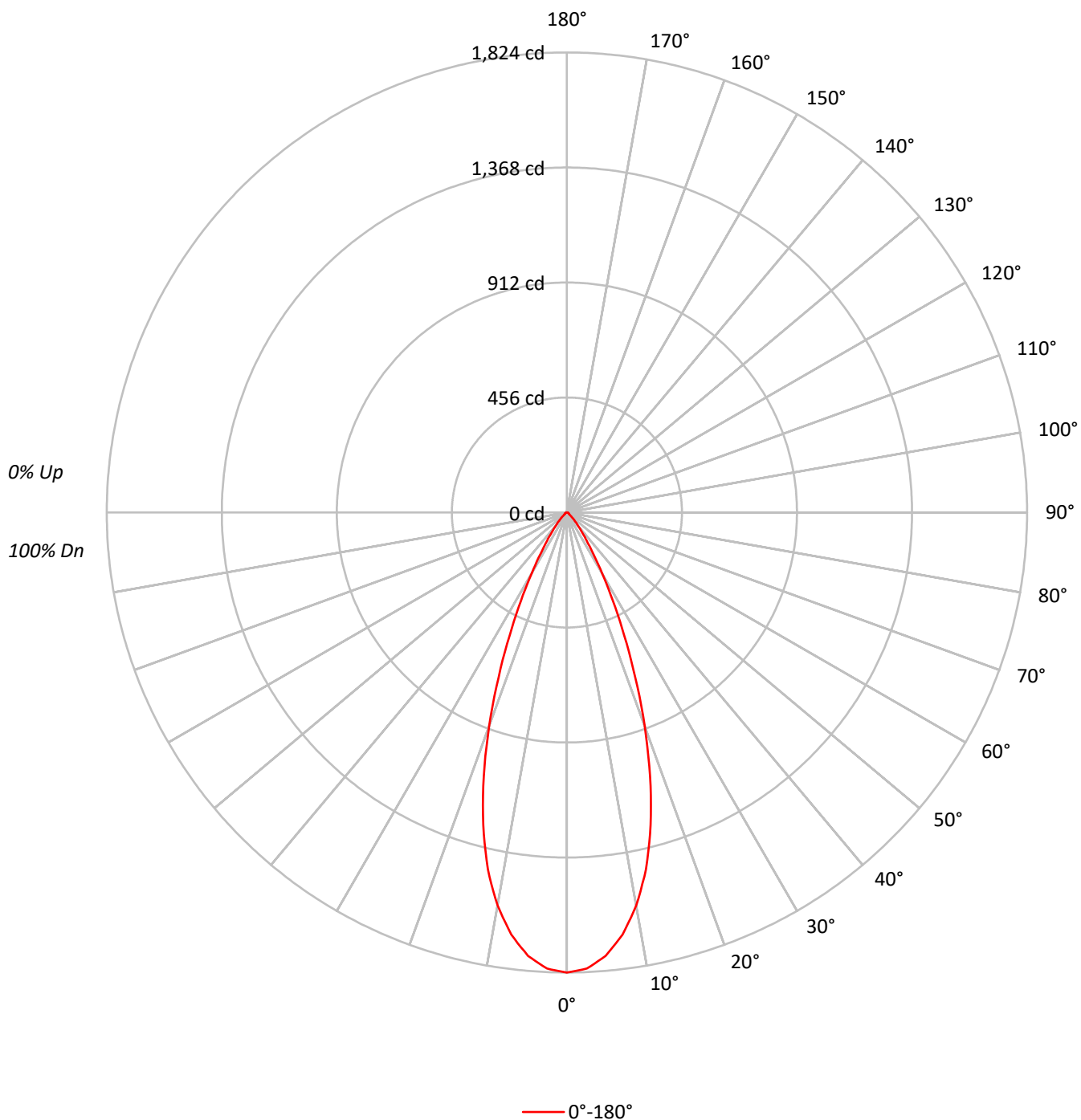
Lumens per Lamp: N/A
Luminaire Lumens: 904.1 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297029

CATALOG NUMBER: P3A13R40W2N902750DE010 E3DL1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1297029

CATALOG NUMBER: P3A13R40W2N902750DE010 E3DL1MW_3500K

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	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	67	67	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	64	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	61	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	400012
5°	388399
10°	352454
15°	291171
20°	210042
25°	129903
30°	70340
35°	36353
40°	19780
45°	11071
50°	5561
55°	4167
60°	3728
65°	3632
70°	3462
75°	3304
80°	2904
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 11071 cd/sqm

TEST NUMBER: P1297029

CATALOG NUMBER: P3A13R40W2N902750DE010 E3DL1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	18.0
10°-20°	349.3	38.6
20°-30°	249.2	27.6
30°-40°	91.8	10.2
40°-50°	28.9	3.2
50°-60°	10.0	1.1
60°-70°	6.9	0.8
70°-80°	4.1	0.5
80°-90°	1.2	0.1
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°	761.2	84.2
0°-40°	852.9	94.3
0°-60°	891.9	98.7
0°-90°	904.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1824	
5°	1764	163
15°	1283	349
25°	537	249
35°	136	92
45°	36	29
55°	11	10
65°	7	7
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1297029

CATALOG NUMBER: P3A13R40W2N902750DE010 E3DL1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1824.2
2.5°	1810.2
5°	1764.5
7.5°	1688.4
10°	1582.9
12.5°	1448.7
15°	1282.6
17.5°	1096.4
20°	900.1
22.5°	706.9
25°	536.9
27.5°	394.2
30°	277.8
32.5°	194.8
35°	135.8
37.5°	96.2
40°	69.1
42.5°	49.7
45°	35.7
47.5°	24.1
50°	16.3
52.5°	11.6
55°	10.9
57.5°	10.1
60°	8.5
62.5°	7.8
65°	7.0
67.5°	6.2
70°	5.4
72.5°	4.7
75°	3.9
77.5°	3.1
80°	2.3
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)