

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: P1297097

Luminaire Tested: P3A13R40W2N902750DE010 E3DLP1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R40W2N902750DE010 E3DLP1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

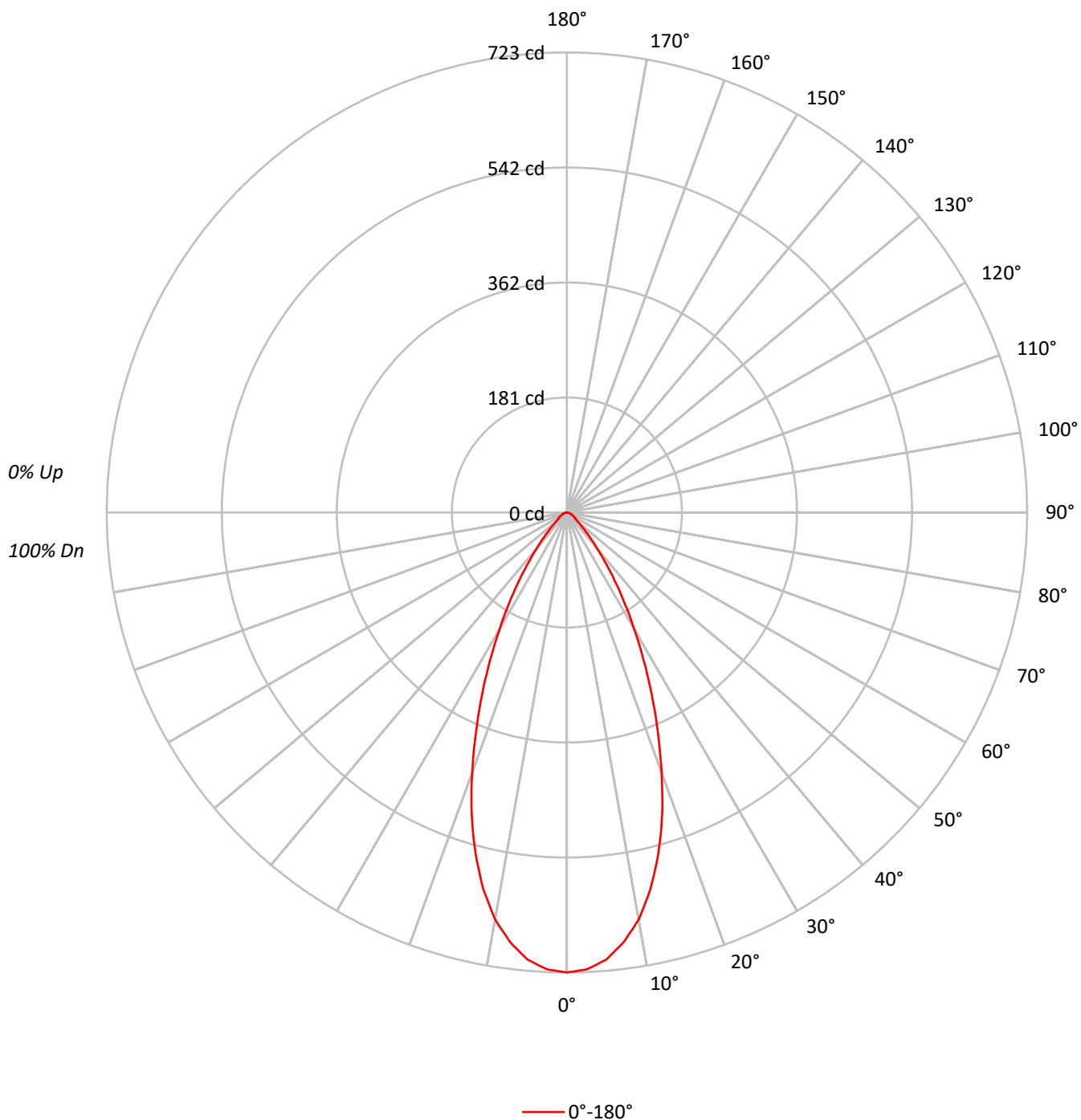
Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92	89	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86	84	81	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	79	76	74
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77	74	71	69
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73	69	66	65
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70	66	62	61
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158496
5°	155293
10°	144575
15°	126017
20°	101555
25°	76117
30°	53527
35°	35068
40°	21211
45°	12683
50°	7573
55°	6079
60°	5482
65°	4670
70°	4424
75°	3558
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12683 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	12.9
10°-20°	152.9	30.0
20°-30°	144.1	28.3
30°-40°	83.3	16.4
40°-50°	33.2	6.5
50°-60°	14.7	2.9
60°-70°	9.1	1.8
70°-80°	4.8	0.9
80°-90°	1.5	0.3
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°	362.5	71.2
0°-40°	445.8	87.6
0°-60°	493.7	97.0
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	723	
5°	706	66
15°	555	153
25°	315	144
35°	131	83
45°	41	33
55°	16	15
65°	9	9
75°	4	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	722.8
2.5°	718.6
5°	705.5
7.5°	681.2
10°	649.3
12.5°	606.4
15°	555.1
17.5°	497.6
20°	435.2
22.5°	372.8
25°	314.6
27.5°	260.6
30°	211.4
32.5°	168.4
35°	131.0
37.5°	99.1
40°	74.1
42.5°	55.4
45°	40.9
47.5°	29.8
50°	22.2
52.5°	18.0
55°	15.9
57.5°	14.6
60°	12.5
62.5°	10.4
65°	9.0
67.5°	7.6
70°	6.9
72.5°	5.5
75°	4.2
77.5°	3.5
80°	2.8
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)