

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: P1300972

Luminaire Tested: P3A17R40W2N902765DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300972
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: P3A17R40W2N902765DE010 E3DL1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

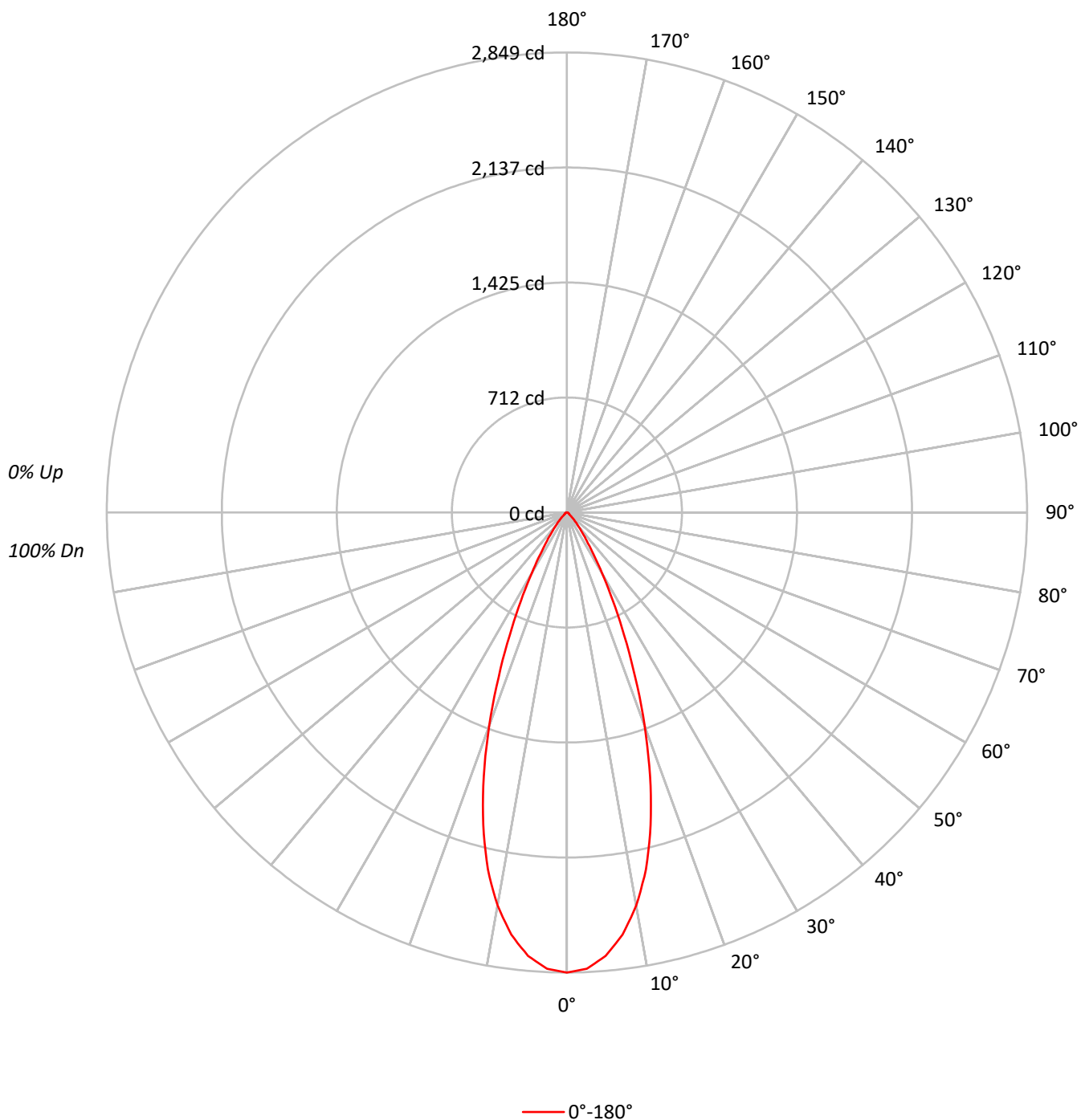
Lumens per Lamp: N/A
Luminaire Lumens: 1412.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67		74	70	67		73	69	67	65
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70	66	64	63
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	624796
5°	606646
10°	550513
15°	454804
20°	328072
25°	202923
30°	109865
35°	56778
40°	30886
45°	17304
50°	8699
55°	6499
60°	5833
65°	5656
70°	5450
75°	5168
80°	4546
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17304 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	18.0
10°-20°	545.5	38.6
20°-30°	389.3	27.6
30°-40°	143.3	10.2
40°-50°	45.2	3.2
50°-60°	15.7	1.1
60°-70°	10.8	0.8
70°-80°	6.4	0.5
80°-90°	1.8	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°	1188.9	84.2
0°-40°	1332.2	94.3
0°-60°	1393.1	98.7
0°-90°	1412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2849	
5°	2756	254
15°	2003	546
25°	839	389
35°	212	143
45°	56	45
55°	17	16
65°	11	11
75°	6	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2849.3
2.5°	2827.5
5°	2756.0
7.5°	2637.2
10°	2472.4
12.5°	2262.7
15°	2003.4
17.5°	1712.5
20°	1405.9
22.5°	1104.1
25°	838.7
27.5°	615.7
30°	433.9
32.5°	304.2
35°	212.1
37.5°	150.3
40°	107.9
42.5°	77.6
45°	55.8
47.5°	37.6
50°	25.5
52.5°	18.2
55°	17.0
57.5°	15.8
60°	13.3
62.5°	12.1
65°	10.9
67.5°	9.7
70°	8.5
72.5°	7.3
75°	6.1
77.5°	4.8
80°	3.6
82.5°	2.4
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)