

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: P1300822

Luminaire Tested: P3A17R40W2N902750DE010 E3DL1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300822
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: P3A17R40W2N902750DE010 E3DL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

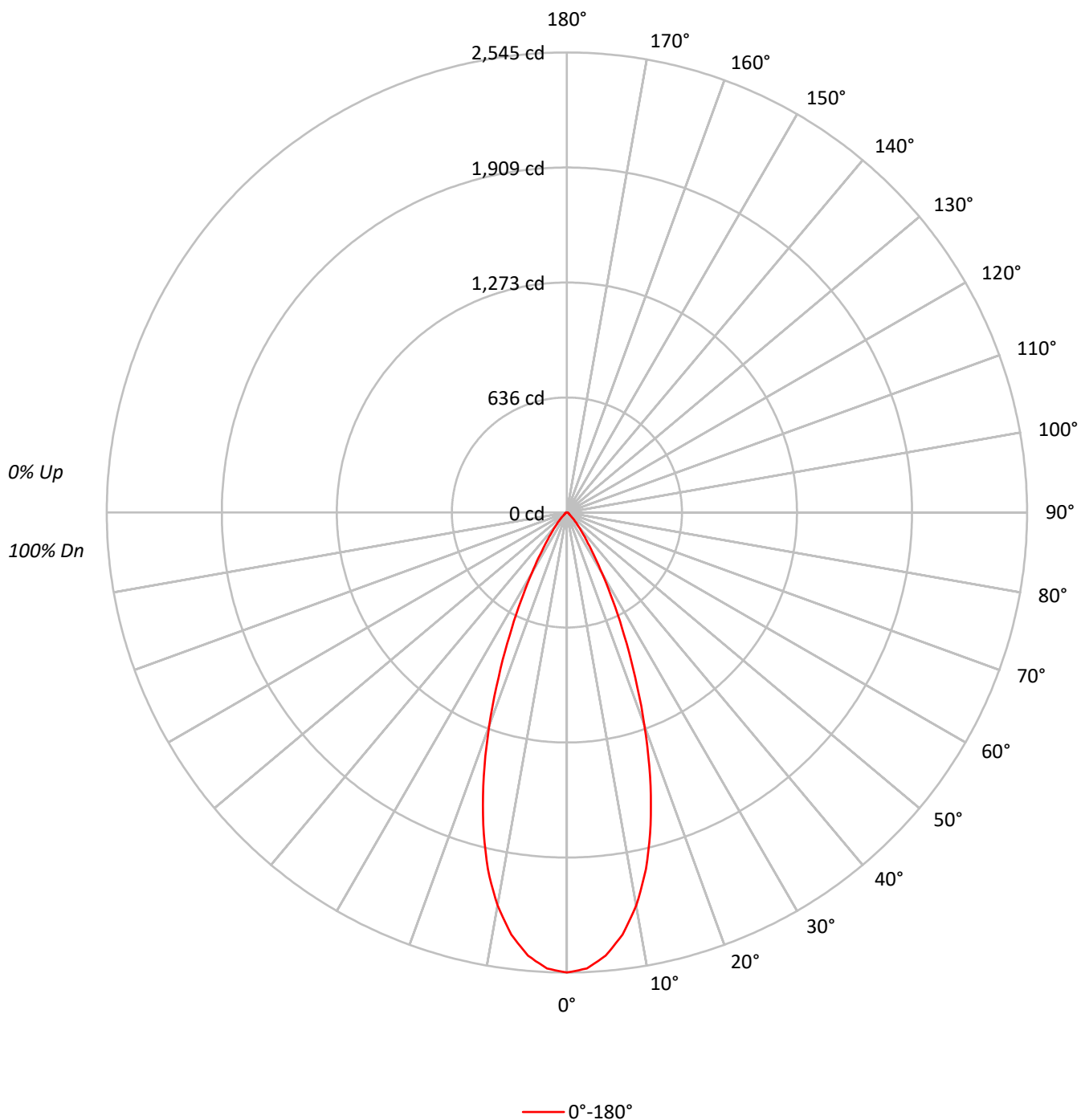
Lumens per Lamp: N/A
Luminaire Lumens: 1261.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					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°	557982
5°	541777
10°	491641
15°	406154
20°	292975
25°	181220
30°	98116
35°	50701
40°	27566
45°	15443
50°	7744
55°	5811
60°	5219
65°	5033
70°	4873
75°	4575
80°	4041
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Luminance: 15443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.9	18.0
10°-20°	487.2	38.6
20°-30°	347.7	27.6
30°-40°	128.0	10.1
40°-50°	40.3	3.2
50°-60°	14.0	1.1
60°-70°	9.6	0.8
70°-80°	5.7	0.5
80°-90°	1.6	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°	1061.7	84.2
0°-40°	1189.7	94.3
0°-60°	1244.0	98.7
0°-90°	1261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2545	
5°	2461	227
15°	1789	487
25°	749	348
35°	189	128
45°	50	40
55°	15	14
65°	10	10
75°	5	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2544.6
2.5°	2525.1
5°	2461.3
7.5°	2355.2
10°	2208.0
12.5°	2020.8
15°	1789.1
17.5°	1529.4
20°	1255.5
22.5°	986.0
25°	749.0
27.5°	549.8
30°	387.5
32.5°	271.7
35°	189.4
37.5°	134.2
40°	96.3
42.5°	69.3
45°	49.8
47.5°	33.6
50°	22.7
52.5°	16.2
55°	15.2
57.5°	14.1
60°	11.9
62.5°	10.8
65°	9.7
67.5°	8.7
70°	7.6
72.5°	6.5
75°	5.4
77.5°	4.3
80°	3.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)