

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: P1300865

Luminaire Tested: P3A17R40W2N902750DE010 E3DLD1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R40W2N902750DE010 E3DLD1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

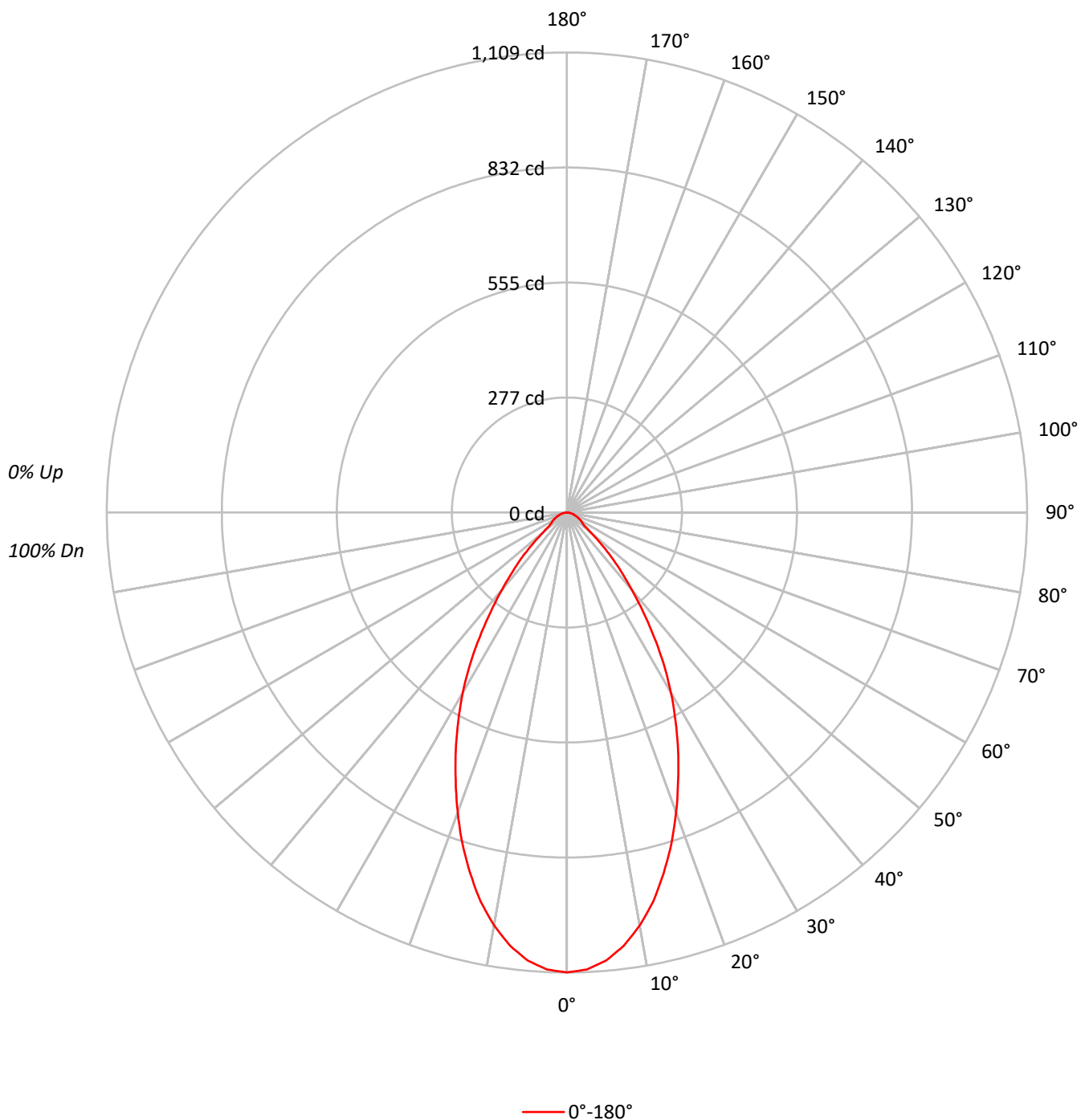
Lumens per Lamp: N/A
Luminaire Lumens: 1083.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69		
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64		
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59		
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55		
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48		
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243116
5°	238696
10°	225001
15°	204383
20°	179542
25°	153323
30°	127007
35°	97949
40°	69702
45°	46982
50°	25620
55°	18083
60°	17016
65°	15722
70°	13977
75°	13386
80°	10734
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 46982 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	9.3
10°-20°	250.8	23.2
20°-30°	289.9	26.8
30°-40°	228.5	21.1
40°-50°	117.3	10.8
50°-60°	44.8	4.1
60°-70°	29.6	2.7
70°-80°	16.1	1.5
80°-90°	4.8	0.4
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°	641.8	59.3
0°-40°	870.3	80.4
0°-60°	1032.4	95.3
0°-90°	1083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1109	
5°	1084	101
15°	900	251
25°	634	290
35°	366	228
45°	152	117
55°	47	45
65°	30	30
75°	16	16
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1108.7
2.5°	1102.6
5°	1084.4
7.5°	1052.9
10°	1010.5
12.5°	960.9
15°	900.3
17.5°	837.3
20°	769.4
22.5°	700.3
25°	633.7
27.5°	567.1
30°	501.6
32.5°	435.0
35°	365.9
37.5°	301.7
40°	243.5
42.5°	193.9
45°	151.5
47.5°	110.3
50°	75.1
52.5°	54.5
55°	47.3
57.5°	42.4
60°	38.8
62.5°	33.9
65°	30.3
67.5°	25.4
70°	21.8
72.5°	18.2
75°	15.8
77.5°	12.1
80°	8.5
82.5°	7.3
85°	3.6
87.5°	2.4
90°	0.0

(END OF REPORT)