

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: P1300242

Luminaire Tested: P3A17R30W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R30W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

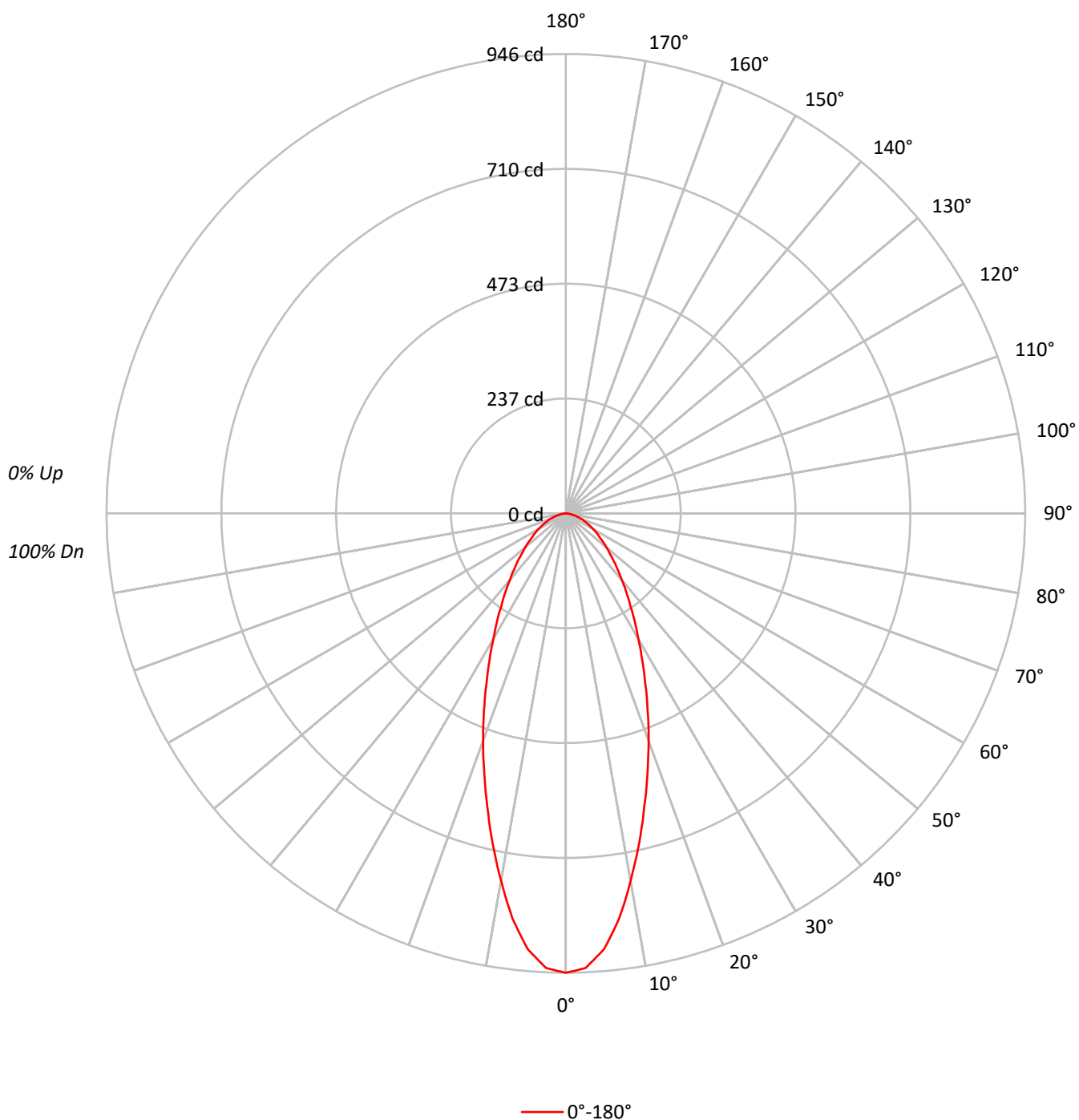
Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46			
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	207483
5°	198305
10°	171050
15°	141772
20°	116233
25°	93683
30°	75505
35°	61864
40°	51411
45°	43570
50°	37287
55°	32228
60°	28770
65°	25113
70°	22055
75°	18554
80°	13764
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Luminance: 43570 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	9.7
10°-20°	174.2	20.7
20°-30°	178.5	21.2
30°-40°	145.9	17.3
40°-50°	109.1	13.0
50°-60°	76.7	9.1
60°-70°	48.2	5.7
70°-80°	23.2	2.8
80°-90°	4.4	0.5
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°	434.3	51.6
0°-40°	580.3	68.9
0°-60°	766.1	91.0
0°-90°	842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	946	
5°	901	82
15°	624	174
25°	387	179
35°	231	146
45°	140	109
55°	84	77
65°	48	48
75°	22	23
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	946.2
2.5°	936.8
5°	900.9
7.5°	841.6
10°	768.2
12.5°	696.4
15°	624.5
17.5°	559.0
20°	498.1
22.5°	440.3
25°	387.2
27.5°	340.4
30°	298.2
32.5°	263.9
35°	231.1
37.5°	204.5
40°	179.6
42.5°	159.3
45°	140.5
47.5°	123.3
50°	109.3
52.5°	96.8
55°	84.3
57.5°	74.9
60°	65.6
62.5°	56.2
65°	48.4
67.5°	40.6
70°	34.4
72.5°	28.1
75°	21.9
77.5°	15.6
80°	10.9
82.5°	6.2
85°	3.1
87.5°	1.6
90°	0.0

(END OF REPORT)