

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: P1299252

Luminaire Tested: P3A17R15W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R15W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

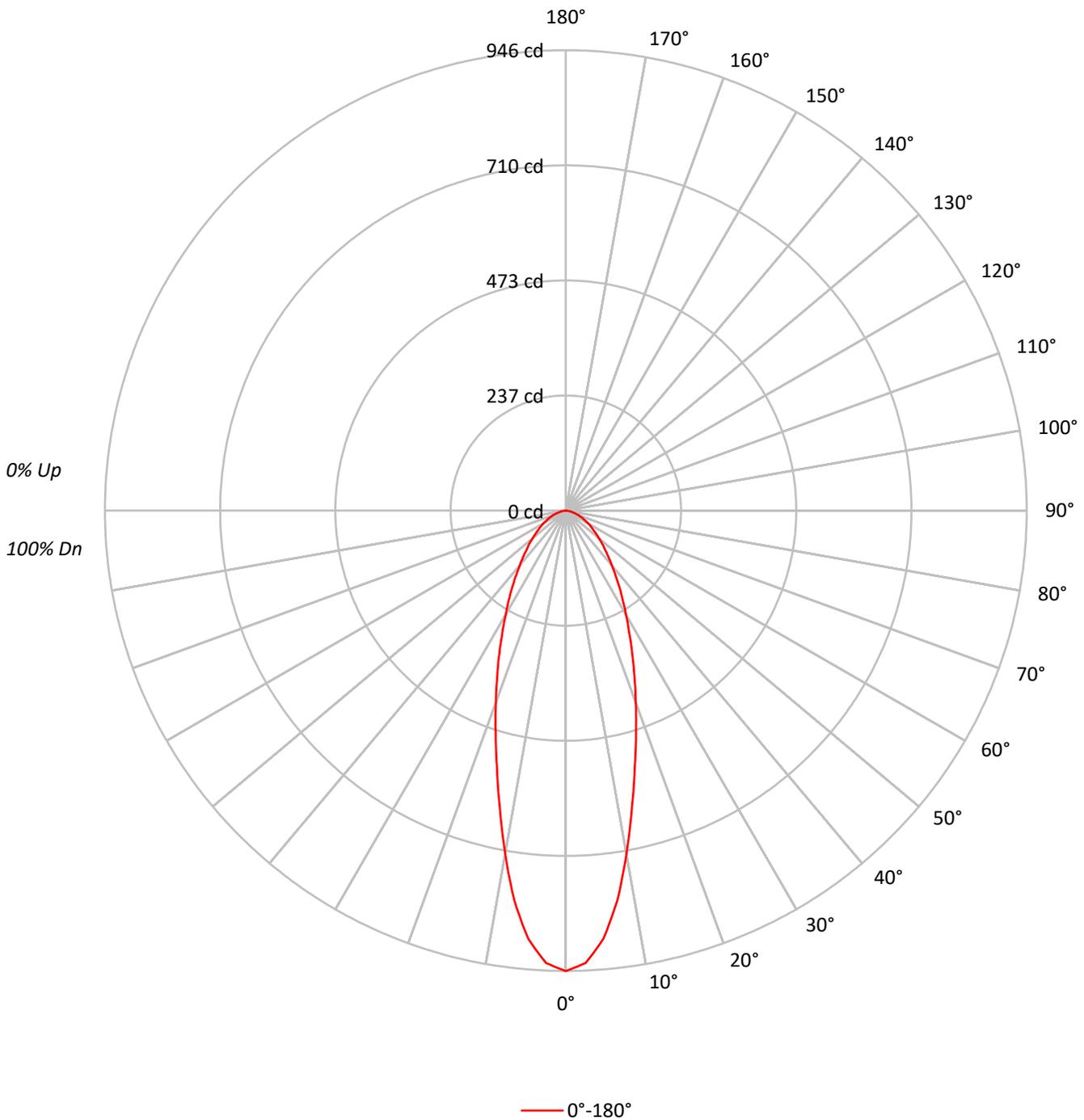
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 713.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	207483
5°	194519
10°	159494
15°	123905
20°	97799
25°	77956
30°	62567
35°	51076
40°	42079
45°	35415
50°	30396
55°	26303
60°	23331
65°	20288
70°	18080
75°	14572
80°	11870
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	11.1
10°-20°	152.9	21.4
20°-30°	148.6	20.8
30°-40°	120.1	16.8
40°-50°	89.2	12.5
50°-60°	62.3	8.7
60°-70°	39.0	5.5
70°-80°	18.5	2.6
80°-90°	3.4	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°	380.4	53.4
0°-40°	500.5	70.2
0°-60°	652.0	91.4
0°-90°	713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	946	
5°	884	79
15°	546	153
25°	322	149
35°	191	120
45°	114	89
55°	69	62
65°	39	39
75°	17	19
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	946.2
2.5°	930.6
5°	883.7
7.5°	808.6
10°	716.3
12.5°	625.6
15°	545.8
17.5°	478.6
20°	419.1
22.5°	367.5
25°	322.2
27.5°	281.5
30°	247.1
32.5°	217.4
35°	190.8
37.5°	167.3
40°	147.0
42.5°	129.8
45°	114.2
47.5°	101.7
50°	89.1
52.5°	78.2
55°	68.8
57.5°	61.0
60°	53.2
62.5°	45.4
65°	39.1
67.5°	32.8
70°	28.2
72.5°	21.9
75°	17.2
77.5°	12.5
80°	9.4
82.5°	4.7
85°	3.1
87.5°	0.0
90°	0.0

(END OF REPORT)