

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: P1299446

Luminaire Tested: P3A17R15W2N902765DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299446
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: P3A17R15W2N902765DE010 E3PHLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

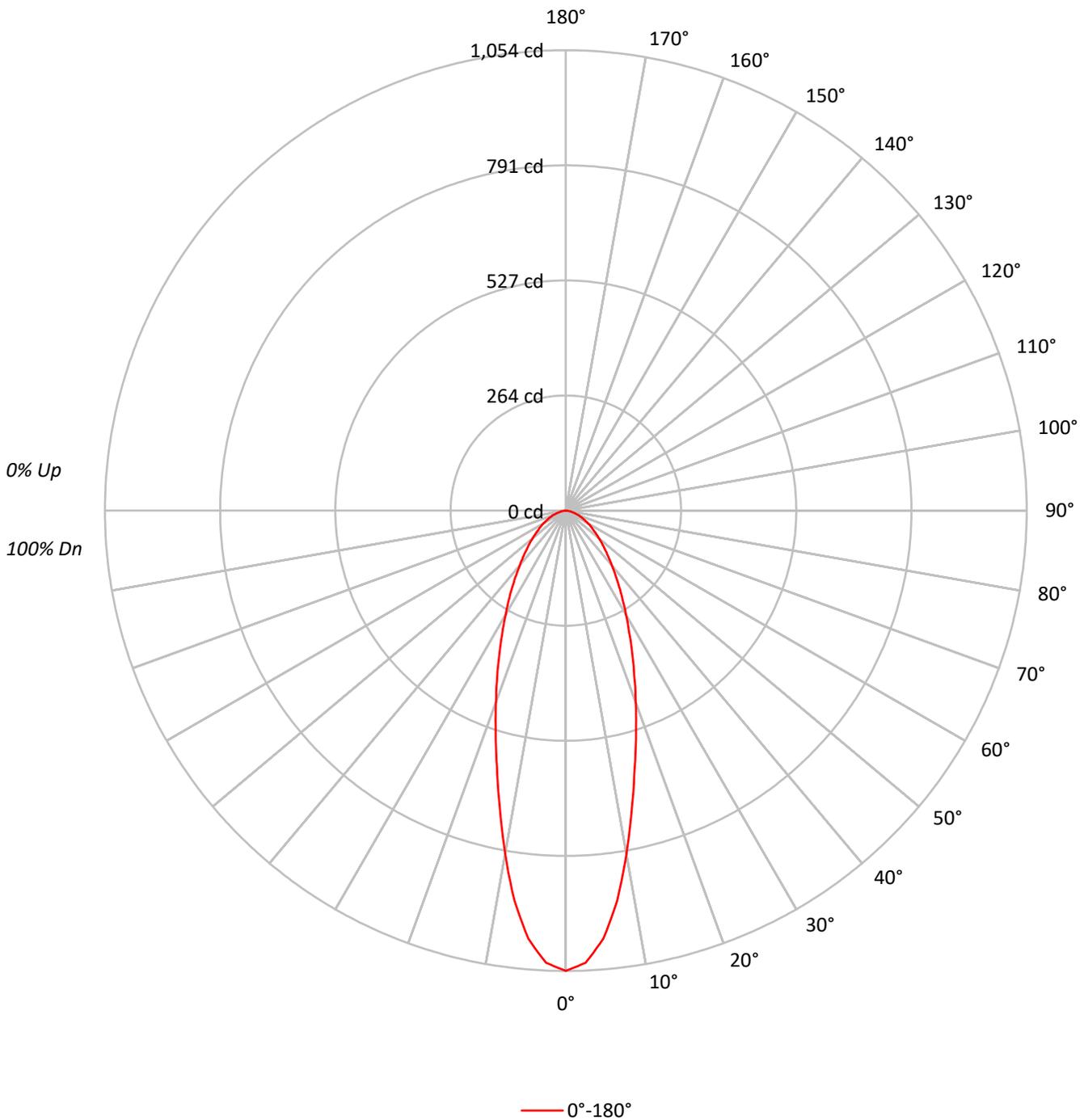
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 794.0 lumens
Efficiency: N/A
Efficacy: 40.9 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

TEST NUMBER: P1299446
CATALOG NUMBER: P3A17R15W2N902765DE010 E3PHLD1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1299446

CATALOG NUMBER: P3A17R15W2N902765DE010 E3PHLD1MW_5000K

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°	231056
5°	216596
10°	177619
15°	137980
20°	108929
25°	86811
30°	69682
35°	56885
40°	46859
45°	39415
50°	33875
55°	29285
60°	25963
65°	22571
70°	20067
75°	16267
80°	13133
85°	8806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39415 cd/sqm



TEST NUMBER: P1299446

CATALOG NUMBER: P3A17R15W2N902765DE010 E3PHLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	11.1
10°-20°	170.3	21.4
20°-30°	165.5	20.8
30°-40°	133.8	16.8
40°-50°	99.3	12.5
50°-60°	69.4	8.7
60°-70°	43.5	5.5
70°-80°	20.6	2.6
80°-90°	3.8	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°	423.6	53.4
0°-40°	557.4	70.2
0°-60°	726.1	91.5
0°-90°	794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1054	
5°	984	88
15°	608	170
25°	359	165
35°	212	134
45°	127	99
55°	77	69
65°	44	43
75°	19	21
85°	4	4
90°	0	



TEST NUMBER: P1299446
CATALOG NUMBER: P3A17R15W2N902765DE010 E3PHLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1053.7
2.5°	1036.3
5°	984.0
7.5°	900.4
10°	797.7
12.5°	696.7
15°	607.8
17.5°	532.9
20°	466.8
22.5°	409.3
25°	358.8
27.5°	313.5
30°	275.2
32.5°	242.1
35°	212.5
37.5°	186.4
40°	163.7
42.5°	144.6
45°	127.1
47.5°	113.2
50°	99.3
52.5°	87.1
55°	76.6
57.5°	67.9
60°	59.2
62.5°	50.5
65°	43.5
67.5°	36.6
70°	31.3
72.5°	24.4
75°	19.2
77.5°	13.9
80°	10.4
82.5°	5.2
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)