

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: P1299254

Luminaire Tested: P3A17R15W2N902750DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299254
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

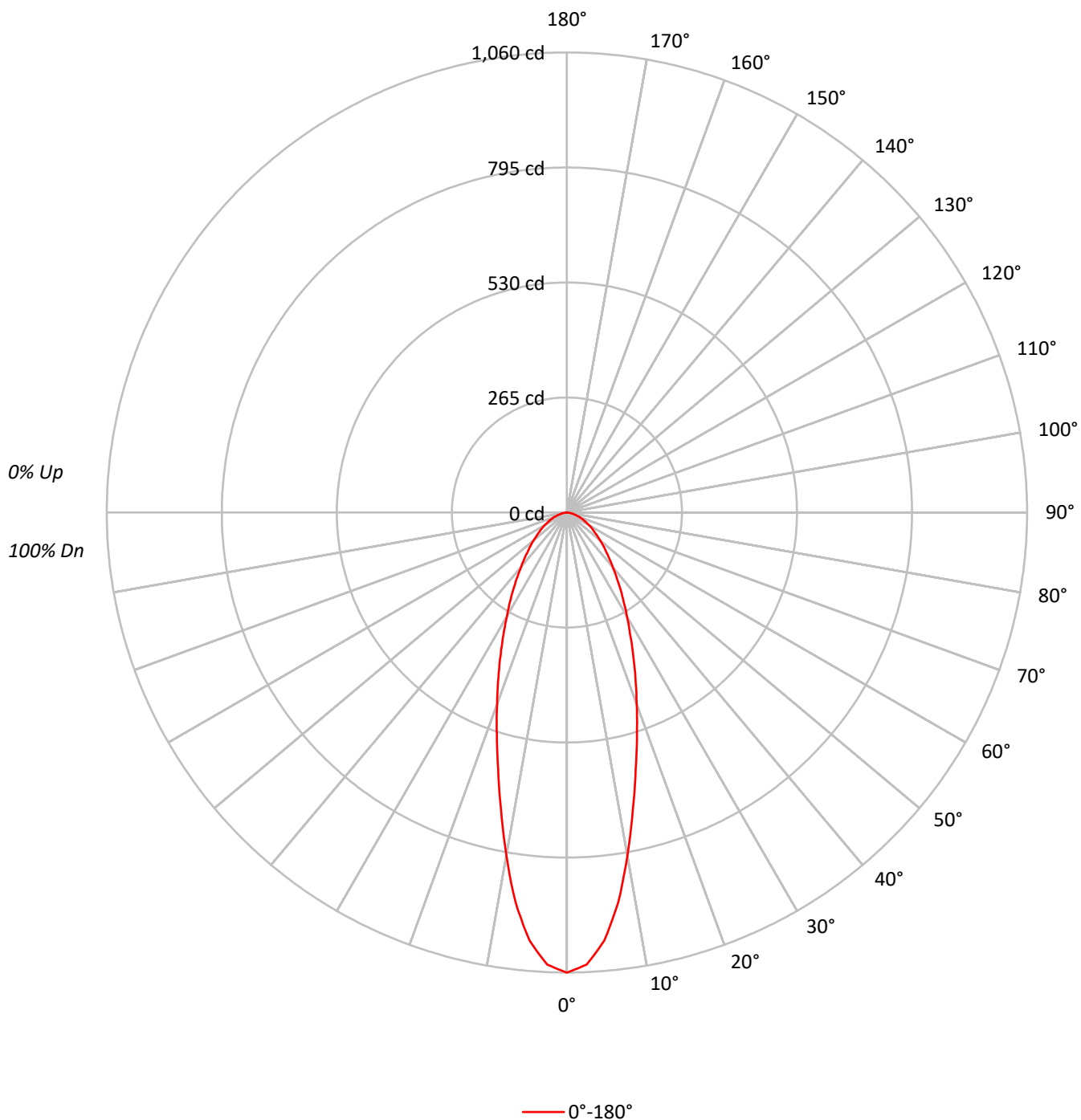
Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1299254

CATALOG NUMBER: P3A17R15W2N902750DE010 E3PHLD1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1299254

CATALOG NUMBER: P3A17R15W2N902750DE010 E3PHLD1MW_3500K

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	232503
5°	217961
10°	178732
15°	138866
20°	109606
25°	87344
30°	70112
35°	57233
40°	47145
45°	39663
50°	34080
55°	29476
60°	26138
65°	22726
70°	20196
75°	16352
80°	13259
85°	8806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39663 cd/sqm

TEST NUMBER: P1299254

CATALOG NUMBER: P3A17R15W2N902750DE010 E3PHLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	11.1
10°-20°	171.3	21.4
20°-30°	166.5	20.8
30°-40°	134.6	16.8
40°-50°	99.9	12.5
50°-60°	69.8	8.7
60°-70°	43.7	5.5
70°-80°	20.8	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°	426.3	53.4
0°-40°	560.9	70.2
0°-60°	730.6	91.4
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	990	88
15°	612	171
25°	361	167
35°	214	135
45°	128	100
55°	77	70
65°	44	44
75°	19	21
85°	4	4
90°	0	

TEST NUMBER: P1299254

CATALOG NUMBER: P3A17R15W2N902750DE010 E3PHLD1MW_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1060.3
2.5°	1042.8
5°	990.2
7.5°	906.1
10°	802.7
12.5°	701.1
15°	611.7
17.5°	536.3
20°	469.7
22.5°	411.9
25°	361.0
27.5°	315.5
30°	276.9
32.5°	243.6
35°	213.8
37.5°	187.5
40°	164.7
42.5°	145.5
45°	127.9
47.5°	113.9
50°	99.9
52.5°	87.6
55°	77.1
57.5°	68.4
60°	59.6
62.5°	50.8
65°	43.8
67.5°	36.8
70°	31.5
72.5°	24.5
75°	19.3
77.5°	14.0
80°	10.5
82.5°	5.3
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)