

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: P1299313

Luminaire Tested: P3A17R15W2N902765DE010 E3D1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R15W2N902765DE010 E3D1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

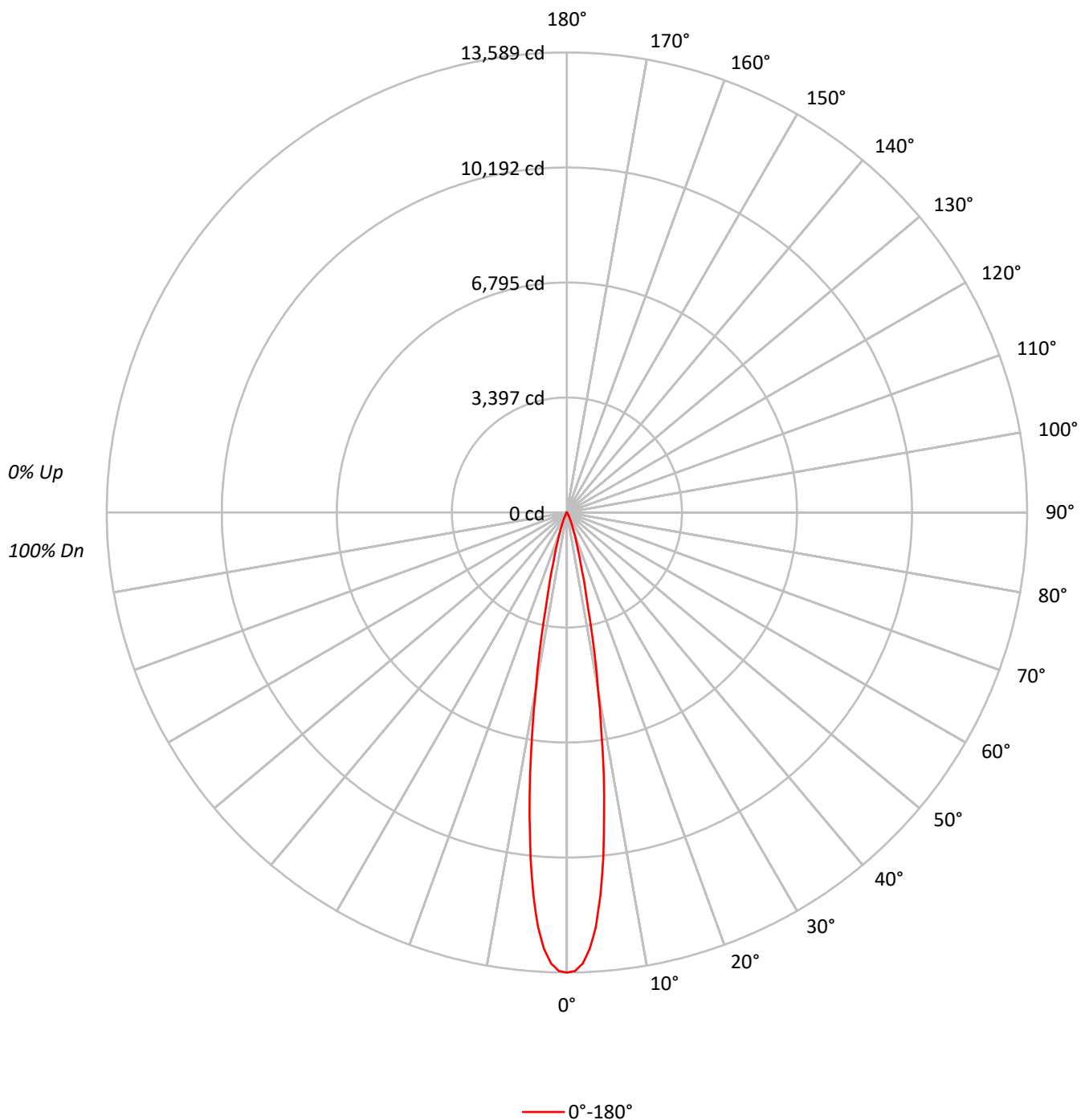
Lumens per Lamp: N/A
Luminaire Lumens: 1532.9 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1299313

CATALOG NUMBER: P3A17R15W2N902765DE010 E3D1MW_4000K

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98		
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96		
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	94		
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	92		
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91		
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	89		
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88		
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	86		
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85		
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	84		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2979783
5°	2497352
10°	1176353
15°	354667
20°	131238
25°	51027
30°	19016
35°	5836
40°	2090
45°	1116
50°	819
55°	918
60°	1053
65°	623
70°	769
75°	1017
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1116 cd/sqm

TEST NUMBER: P1299313

CATALOG NUMBER: P3A17R15W2N902765DE010 E3D1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	877.1	57.2
10°-20°	521.4	34.0
20°-30°	109.5	7.1
30°-40°	17.7	1.2
40°-50°	3.0	0.2
50°-60°	2.2	0.1
60°-70°	1.3	0.1
70°-80°	0.8	0.1
80°-90°	0.0	0.0
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°	1508.0	98.4
0°-40°	1525.7	99.5
0°-60°	1530.8	99.9
0°-90°	1532.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1532.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13589	
5°	11346	877
15°	1562	521
25°	211	110
35°	22	18
45°	4	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13588.9
1°	13546.5
2°	13330.8
3°	12899.3
4°	12266.6
5°	11345.5
6°	10263.2
7°	9025.7
8°	7844.0
9°	6506.0
10°	5283.1
12.5°	2850.6
15°	1562.3
17.5°	915.1
20°	562.4
22.5°	344.2
25°	210.9
27.5°	127.3
30°	75.1
32.5°	42.4
35°	21.8
37.5°	12.1
40°	7.3
42.5°	4.8
45°	3.6
47.5°	2.4
50°	2.4
52.5°	2.4
55°	2.4
57.5°	2.4
60°	2.4
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)