

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: P1270168

Luminaire Tested: P3A17R309740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

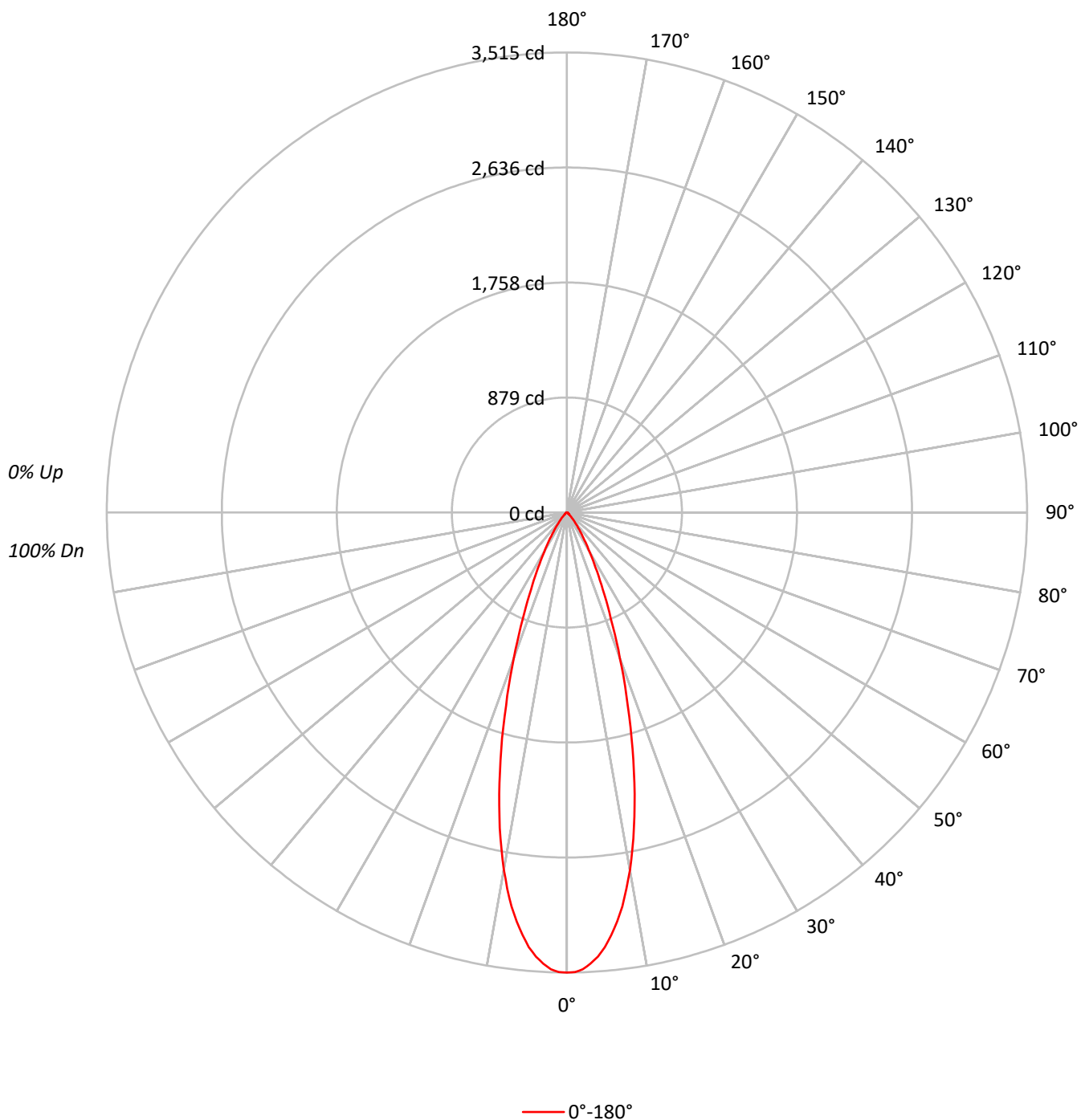
Lumens per Lamp: N/A
Luminaire Lumens: 1320.9 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1270168

CATALOG NUMBER: P3A17R309740DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270168

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85
6	94	86	81	78	92	85	81	77	84	80	77		83	79	76		81
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	770837
5°	733676
10°	617134
15°	445042
20°	276057
25°	157001
30°	87203
35°	47435
40°	25018
45°	13552
50°	7232
55°	4779
60°	4386
65°	4514
70°	3975
75°	3135
80°	3157
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13552 cd/sqm

TEST NUMBER: P1270168

CATALOG NUMBER: P3A17R309740DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	22.7
10°-20°	533.5	40.4
20°-30°	308.3	23.3
30°-40°	117.0	8.9
40°-50°	35.9	2.7
50°-60°	12.1	0.9
60°-70°	8.2	0.6
70°-80°	4.4	0.3
80°-90°	1.3	0.1
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°	1142.0	86.5
0°-40°	1259.0	95.3
0°-60°	1307.0	98.9
0°-90°	1320.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3515	
5°	3333	300
15°	1960	534
25°	649	308
35°	177	117
45°	44	36
55°	12	12
65°	9	8
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1270168

CATALOG NUMBER: P3A17R309740DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3515.3
1°	3512.8
2°	3491.6
3°	3451.7
4°	3401.8
5°	3333.1
6°	3245.8
7°	3148.5
8°	3039.9
9°	2910.1
10°	2771.6
11°	2621.8
12°	2463.4
13°	2297.4
14°	2128.9
15°	1960.4
17.5°	1546.1
20°	1183.0
22.5°	877.3
25°	648.9
27.5°	471.7
30°	344.4
32.5°	248.3
35°	177.2
37.5°	123.5
40°	87.4
42.5°	61.1
45°	43.7
47.5°	29.9
50°	21.2
52.5°	15.0
55°	12.5
57.5°	11.2
60°	10.0
62.5°	8.7
65°	8.7
67.5°	7.5
70°	6.2
72.5°	5.0
75°	3.7
77.5°	3.7
80°	2.5
82.5°	2.5
85°	1.2
87.5°	0.0



TEST NUMBER: P1270168

CATALOG NUMBER: P3A17R309740DE010 E3DL1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)