

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: P1270109

Luminaire Tested: P3A17R209740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R209740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

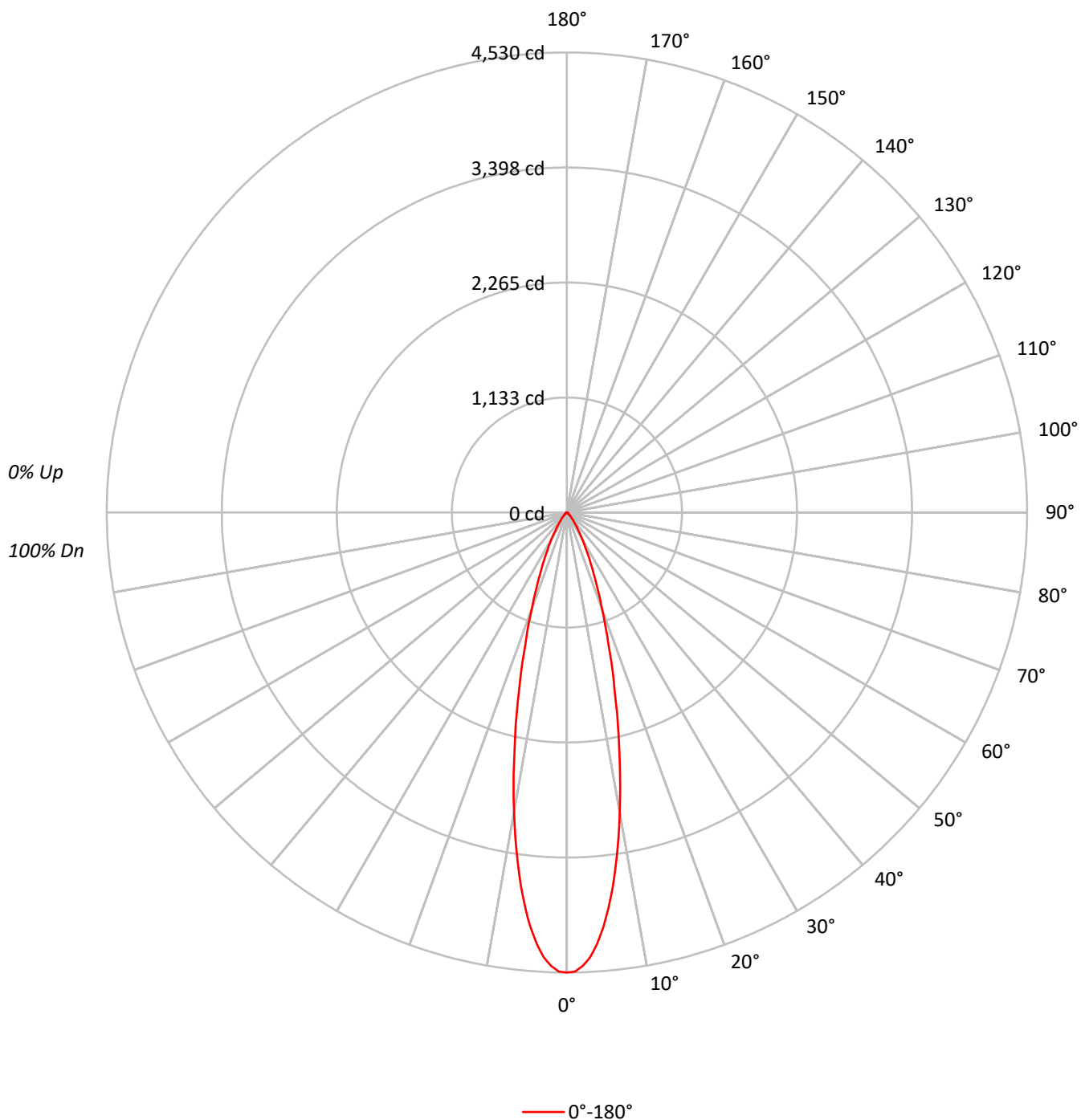
Lumens per Lamp: N/A
Luminaire Lumens: 1291.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270109

CATALOG NUMBER: P3A17R209740DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270109

CATALOG NUMBER: P3A17R209740DE010 E3DL1WMH

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	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	993276
5°	902903
10°	667300
15°	412806
20°	235734
25°	134572
30°	75480
35°	41064
40°	22499
45°	12373
50°	7232
55°	5238
60°	4912
65°	4514
70°	3975
75°	4236
80°	3157
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12373 cd/sqm

TEST NUMBER: P1270109

CATALOG NUMBER: P3A17R209740DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.2	27.5
10°-20°	507.1	39.3
20°-30°	264.7	20.5
30°-40°	102.4	7.9
40°-50°	33.2	2.6
50°-60°	13.1	1.0
60°-70°	8.6	0.7
70°-80°	5.1	0.4
80°-90°	1.7	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°	1127.0	87.3
0°-40°	1229.3	95.2
0°-60°	1275.6	98.8
0°-90°	1291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4530	
5°	4102	355
15°	1818	507
25°	556	265
35°	153	102
45°	40	33
55°	14	13
65°	9	9
75°	5	5
85°	1	2
90°	0	

TEST NUMBER: P1270109

CATALOG NUMBER: P3A17R209740DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4529.7
1°	4521.0
2°	4467.3
3°	4385.0
4°	4257.8
5°	4101.9
6°	3917.3
7°	3712.8
8°	3475.9
9°	3245.1
10°	2996.9
12.5°	2382.1
15°	1818.4
17.5°	1360.7
20°	1010.2
22.5°	748.3
25°	556.2
27.5°	410.3
30°	298.1
32.5°	215.8
35°	153.4
37.5°	111.0
40°	78.6
42.5°	56.1
45°	39.9
47.5°	28.7
50°	21.2
52.5°	16.2
55°	13.7
57.5°	12.5
60°	11.2
62.5°	10.0
65°	8.7
67.5°	7.5
70°	6.2
72.5°	6.2
75°	5.0
77.5°	3.7
80°	2.5
82.5°	2.5
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)