

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: P1270396

Luminaire Tested: P3A17R709740DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R709740DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

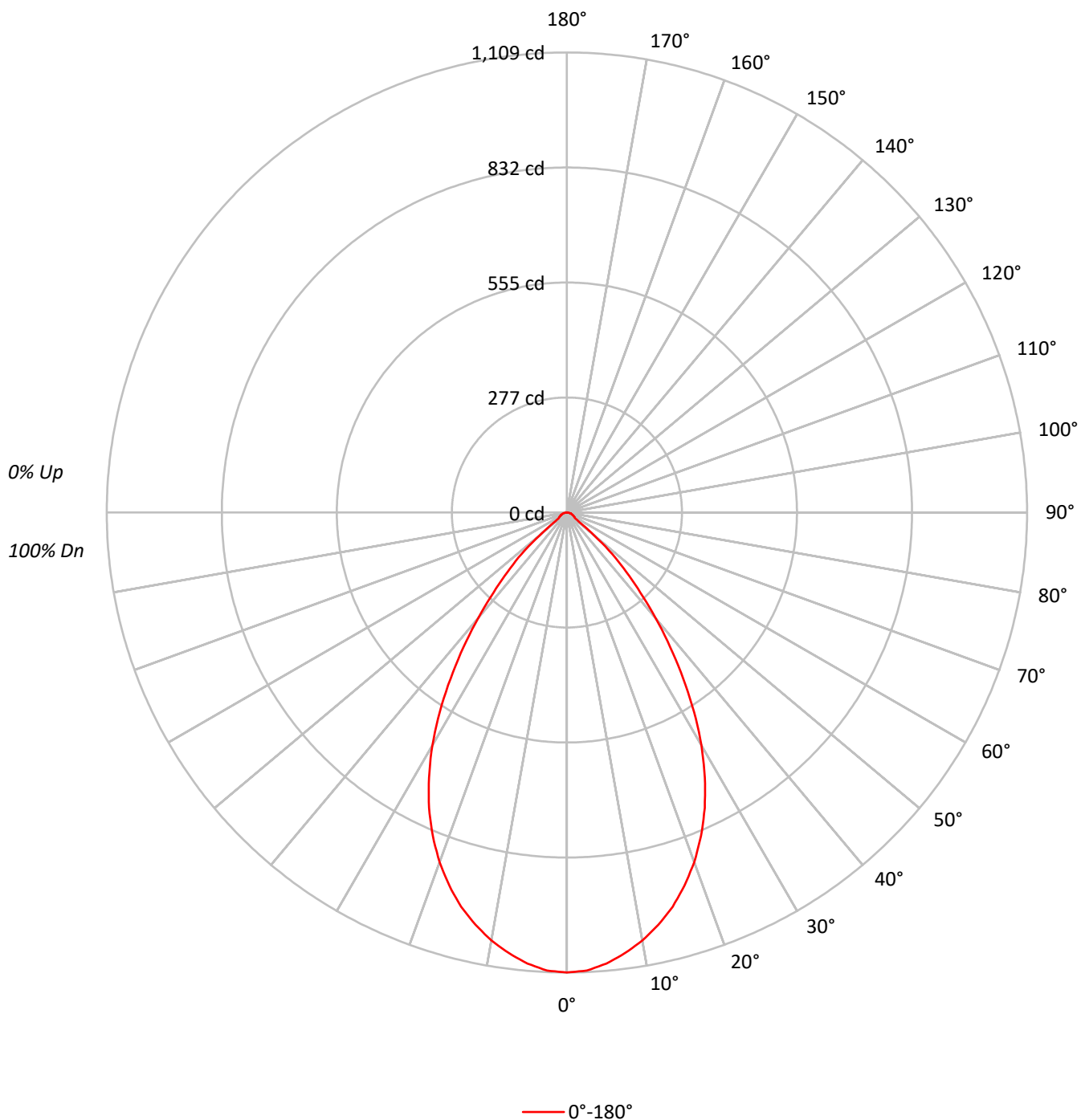
Lumens per Lamp: N/A
Luminaire Lumens: 1256.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243160
5°	240237
10°	233284
15°	223407
20°	209272
25°	190124
30°	164228
35°	130875
40°	95321
45°	62673
50°	29372
55°	9061
60°	8771
65°	8406
70°	8014
75°	8472
80°	7829
85°	6290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	8.2
10°-20°	275.4	21.9
20°-30°	358.0	28.5
30°-40°	303.7	24.2
40°-50°	156.6	12.5
50°-60°	30.2	2.4
60°-70°	16.4	1.3
70°-80°	10.0	0.8
80°-90°	2.9	0.2
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°	736.2	58.6
0°-40°	1039.9	82.8
0°-60°	1226.7	97.7
0°-90°	1256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1109	
5°	1091	103
15°	984	275
25°	786	358
35°	489	304
45°	202	157
55°	24	30
65°	16	16
75°	10	10
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1108.9
2.5°	1105.1
5°	1091.4
7.5°	1071.4
10°	1047.7
12.5°	1017.8
15°	984.1
17.5°	943.0
20°	896.8
22.5°	844.4
25°	785.8
27.5°	719.7
30°	648.6
32.5°	570.0
35°	488.9
37.5°	409.1
40°	333.0
42.5°	261.9
45°	202.1
47.5°	148.4
50°	86.1
52.5°	37.4
55°	23.7
57.5°	22.5
60°	20.0
62.5°	18.7
65°	16.2
67.5°	15.0
70°	12.5
72.5°	11.2
75°	10.0
77.5°	7.5
80°	6.2
82.5°	3.7
85°	2.5
87.5°	1.2
90°	0.0

(END OF REPORT)