

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: P1270172

Luminaire Tested: P3A17R309740DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309740DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

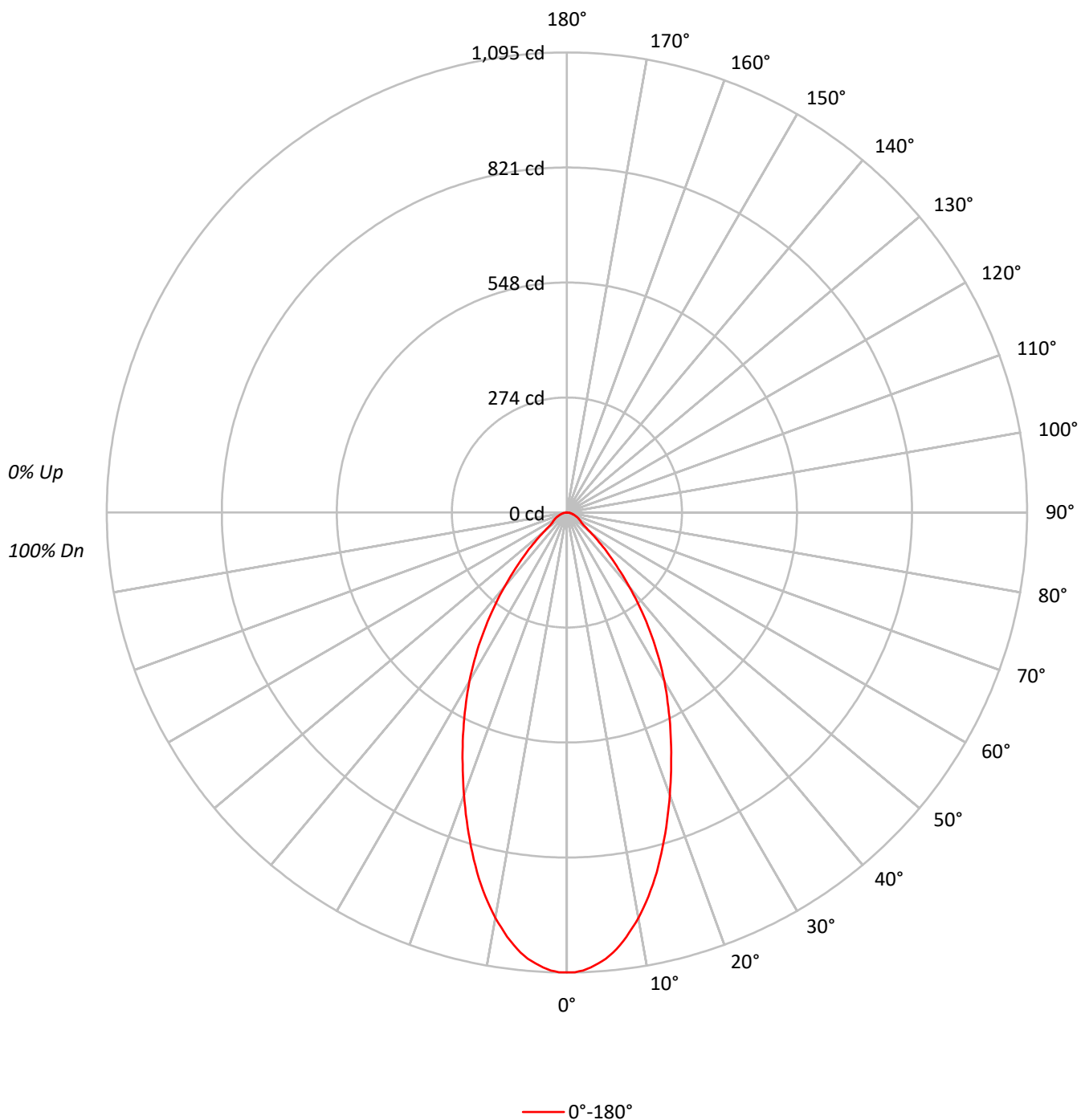
Lumens per Lamp: N/A
Luminaire Lumens: 1015.9 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	86	79	74	92	84	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	54	74	64	58	53	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240025
5°	234646
10°	218188
15°	194167
20°	166988
25°	141468
30°	117436
35°	92113
40°	66009
45°	43291
50°	24664
55°	16210
60°	15306
65°	14217
70°	12759
75°	11607
80°	10986
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 43291 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	9.7
10°-20°	237.8	23.4
20°-30°	268.0	26.4
30°-40°	214.0	21.1
40°-50°	110.0	10.8
50°-60°	41.4	4.1
60°-70°	27.1	2.7
70°-80°	14.6	1.4
80°-90°	4.2	0.4
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°	604.7	59.5
0°-40°	818.6	80.6
0°-60°	970.0	95.5
0°-90°	1015.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1095	
5°	1066	99
15°	855	238
25°	585	268
35°	344	214
45°	140	110
55°	42	41
65°	27	27
75°	14	15
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1094.6
1°	1094.6
2°	1090.9
3°	1084.7
4°	1075.9
5°	1066.0
6°	1053.5
7°	1037.3
8°	1019.8
9°	999.9
10°	979.9
11°	957.5
12°	933.8
13°	908.9
14°	882.7
15°	855.3
17.5°	785.4
20°	715.6
22.5°	648.3
25°	584.7
27.5°	522.4
30°	463.8
32.5°	403.9
35°	344.1
37.5°	285.5
40°	230.6
42.5°	182.0
45°	139.6
47.5°	103.5
50°	72.3
52.5°	51.1
55°	42.4
57.5°	38.6
60°	34.9
62.5°	31.2
65°	27.4
67.5°	23.7
70°	19.9
72.5°	16.2
75°	13.7
77.5°	11.2
80°	8.7
82.5°	6.2
85°	3.7
87.5°	1.2



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)