

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: P1270251

Luminaire Tested: P3A17R459740DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R459740DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

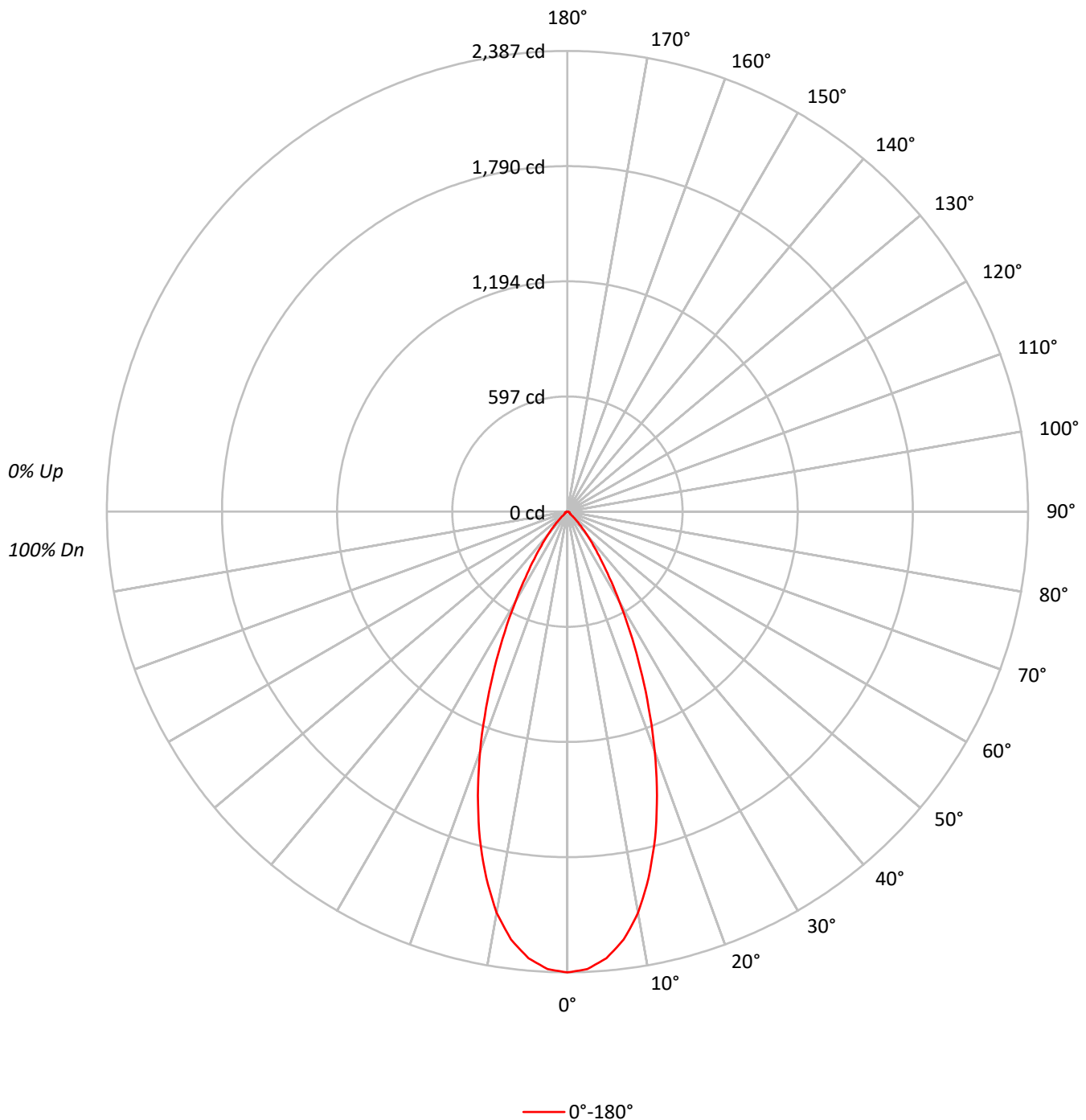
Lumens per Lamp: N/A
Luminaire Lumens: 1394.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270251

CATALOG NUMBER: P3A17R459740DE010 E3DL1MW

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74
8	83	74	68	65	82	73	68	65	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	523489
5°	511225
10°	469953
15°	398186
20°	308937
25°	215964
30°	136046
35°	80094
40°	45313
45°	22049
50°	7642
55°	6193
60°	6008
65°	5811
70°	5578
75°	5253
80°	4672
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22049 cd/sqm

TEST NUMBER: P1270251

CATALOG NUMBER: P3A17R459740DE010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	15.4
10°-20°	481.7	34.6
20°-30°	409.0	29.3
30°-40°	195.1	14.0
40°-50°	58.8	4.2
50°-60°	14.9	1.1
60°-70°	11.1	0.8
70°-80°	6.6	0.5
80°-90°	1.8	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°	1105.7	79.3
0°-40°	1300.8	93.3
0°-60°	1374.5	98.6
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2387	
5°	2322	215
15°	1754	482
25°	893	409
35°	299	195
45°	71	59
55°	16	15
65°	11	11
75°	6	7
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2387.3
2.5°	2372.4
5°	2322.5
7.5°	2236.5
10°	2110.6
12.5°	1943.5
15°	1754.0
17.5°	1543.3
20°	1323.9
22.5°	1100.8
25°	892.6
27.5°	703.1
30°	537.3
32.5°	403.9
35°	299.2
37.5°	220.7
40°	158.3
42.5°	109.7
45°	71.1
47.5°	39.9
50°	22.4
52.5°	17.5
55°	16.2
57.5°	15.0
60°	13.7
62.5°	12.5
65°	11.2
67.5°	10.0
70°	8.7
72.5°	7.5
75°	6.2
77.5°	5.0
80°	3.7
82.5°	2.5
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)