

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: P1270228

Luminaire Tested: P3A17R409740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R409740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

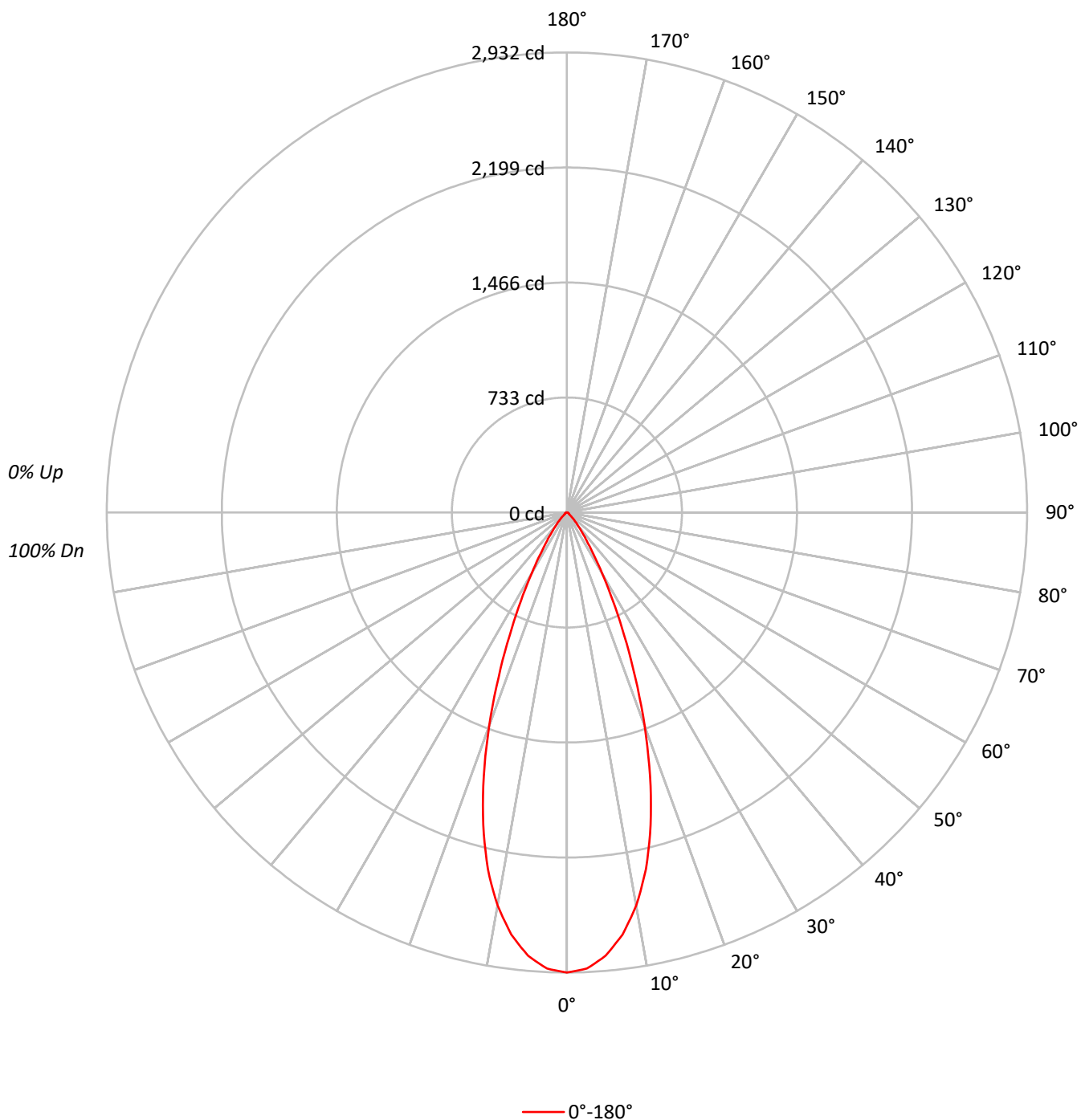
Lumens per Lamp: N/A
Luminaire Lumens: 1453.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270228

CATALOG NUMBER: P3A17R409740DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270228

CATALOG NUMBER: P3A17R409740DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	67	67	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	64	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	61	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	642953
5°	624255
10°	566500
15°	467994
20°	337593
25°	208802
30°	113055
35°	58437
40°	31774
45°	17800
50°	8938
55°	6690
60°	6008
65°	5811
70°	5578
75°	5253
80°	4672
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17800 cd/sqm

TEST NUMBER: P1270228

CATALOG NUMBER: P3A17R409740DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.4	18.0
10°-20°	561.4	38.6
20°-30°	400.6	27.6
30°-40°	147.5	10.1
40°-50°	46.5	3.2
50°-60°	16.1	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°	1223.4	84.2
0°-40°	1370.9	94.3
0°-60°	1433.5	98.7
0°-90°	1453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1453.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2932	
5°	2836	261
15°	2062	561
25°	863	401
35°	218	147
45°	57	46
55°	18	16
65°	11	11
75°	6	7
85°	1	2
90°	0	

TEST NUMBER: P1270228

CATALOG NUMBER: P3A17R409740DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2932.1
2.5°	2909.6
5°	2836.0
7.5°	2713.8
10°	2544.2
12.5°	2328.4
15°	2061.5
17.5°	1762.2
20°	1446.7
22.5°	1136.2
25°	863.0
27.5°	633.6
30°	446.5
32.5°	313.0
35°	218.3
37.5°	154.6
40°	111.0
42.5°	79.8
45°	57.4
47.5°	38.7
50°	26.2
52.5°	18.7
55°	17.5
57.5°	16.2
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)