

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: P1270363

Luminaire Tested: P3A17R659740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R659740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

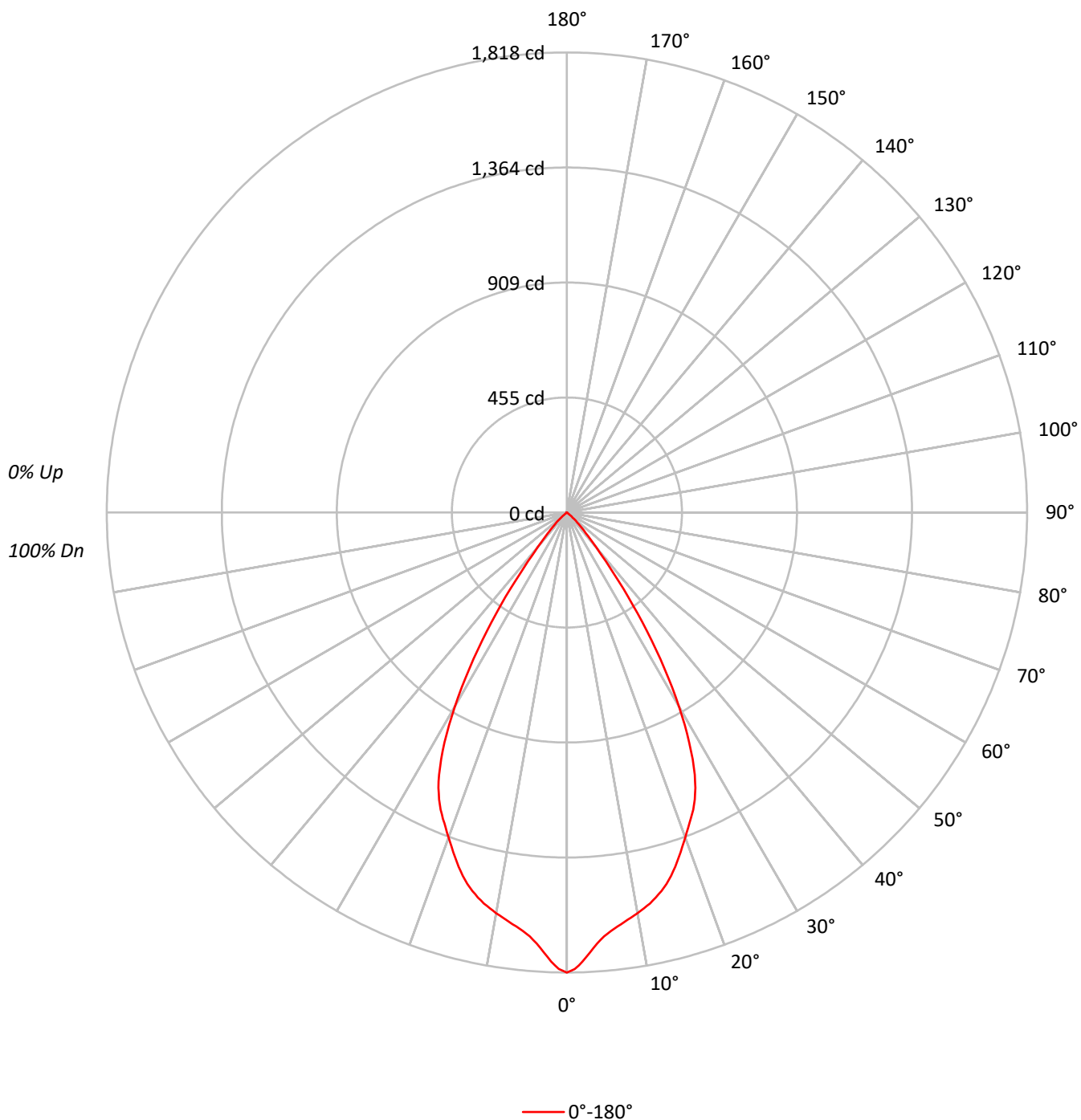
Lumens per Lamp: N/A
Luminaire Lumens: 1488.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270363

CATALOG NUMBER: P3A17R659740DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270363

CATALOG NUMBER: P3A17R659740DE010 E3D1WMH

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	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		68
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398718
5°	370217
10°	358021
15°	345019
20°	318971
25°	290630
30°	224541
35°	130152
40°	51640
45°	21987
50°	5219
55°	688
60°	526
65°	311
70°	385
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21987 cd/sqm

TEST NUMBER: P1270363

CATALOG NUMBER: P3A17R659740DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.6	10.7
10°-20°	423.5	28.5
20°-30°	536.0	36.0
30°-40°	305.2	20.5
40°-50°	60.6	4.1
50°-60°	3.1	0.2
60°-70°	0.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1118.1	75.1
0°-40°	1423.3	95.7
0°-60°	1487.1	99.9
0°-90°	1488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1818	
5°	1682	159
15°	1520	423
25°	1201	536
35°	486	305
45°	71	61
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270363

CATALOG NUMBER: P3A17R659740DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1818.3
1°	1804.8
2°	1775.5
3°	1741.2
4°	1707.6
5°	1681.9
6°	1663.0
7°	1647.7
8°	1634.2
9°	1620.8
10°	1607.9
11°	1593.8
12°	1579.2
13°	1561.4
14°	1542.5
15°	1519.8
16°	1492.9
17°	1463.6
18°	1431.8
19°	1398.1
20°	1366.9
21°	1335.1
22°	1306.4
23°	1276.4
24°	1241.6
25°	1201.2
26°	1152.9
27°	1094.8
28°	1029.3
29°	959.6
30°	886.8
31°	806.7
32°	727.2
32.5°	686.2
33°	646.5
34°	565.7
35°	486.2
36°	412.8
37°	340.1
37.5°	302.7
38°	272.8
39°	220.8
40°	180.4
42.5°	111.3
45°	70.9



TEST NUMBER: P1270363

CATALOG NUMBER: P3A17R659740DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	41.6
50°	15.3
52.5°	3.1
55°	1.8
57.5°	1.2
60°	1.2
62.5°	1.2
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)