

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: P1270090

Luminaire Tested: P3A17R159740DE010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R159740DE010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

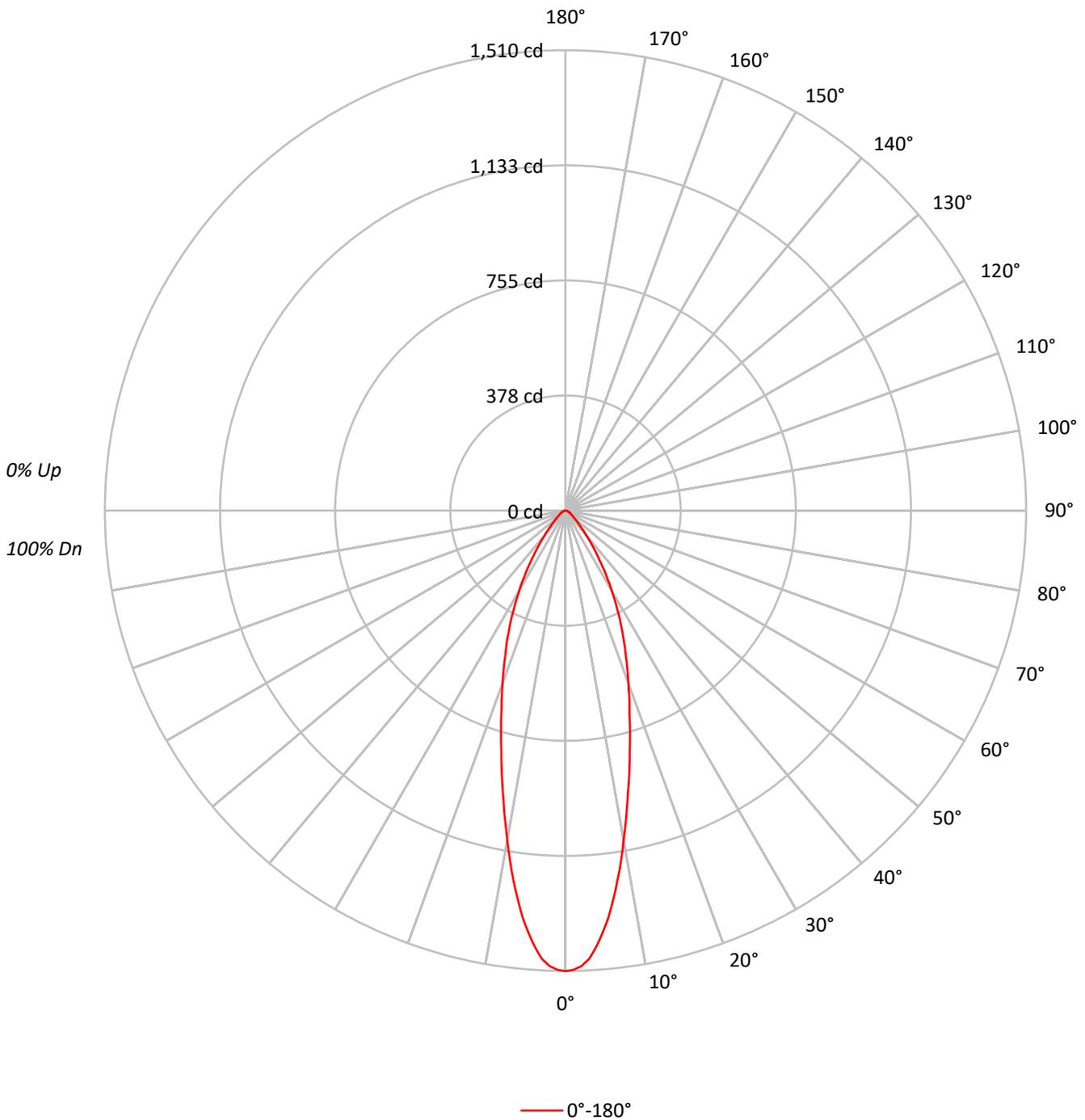
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 768.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61
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: P1270090
CATALOG NUMBER: P3A17R159740DE010 E3DLP1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1270090
 CATALOG NUMBER: P3A17R159740DE010 E3DLP1WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80	80	80	80
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75	75	75	75
5	93	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66	66	66	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59	59	59	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56	56	56	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	331180
5°	306096
10°	244373
15°	184587
20°	140572
25°	107111
30°	76746
35°	50085
40°	30715
45°	18576
50°	12349
55°	9519
60°	8201
65°	7108
70°	6411
75°	6354
80°	4672
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18576 cd/sqm



TEST NUMBER: P1270090
 CATALOG NUMBER: P3A17R159740DE010 E3DLP1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	16.0
10°-20°	227.3	29.6
20°-30°	202.3	26.3
30°-40°	119.7	15.6
40°-50°	49.1	6.4
50°-60°	23.1	3.0
60°-70°	14.0	1.8
70°-80°	7.4	1.0
80°-90°	1.8	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°	552.8	72.0
0°-40°	672.5	87.6
0°-60°	744.7	97.0
0°-90°	768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1510	
5°	1391	123
15°	813	227
25°	443	202
35°	187	120
45°	60	49
55°	25	23
65°	14	14
75°	8	7
85°	1	2
90°	0	



TEST NUMBER: P1270090
CATALOG NUMBER: P3A17R159740DE010 E3DLP1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1510.3
1°	1506.6
2°	1495.3
3°	1472.9
4°	1435.5
5°	1390.6
6°	1341.9
7°	1284.6
8°	1224.7
9°	1163.6
10°	1097.5
12.5°	946.6
15°	813.1
17.5°	698.4
20°	602.4
22.5°	517.6
25°	442.7
27.5°	370.4
30°	303.1
32.5°	241.9
35°	187.1
37.5°	143.4
40°	107.3
42.5°	79.8
45°	59.9
47.5°	46.1
50°	36.2
52.5°	29.9
55°	24.9
57.5°	21.2
60°	18.7
62.5°	16.2
65°	13.7
67.5°	12.5
70°	10.0
72.5°	8.7
75°	7.5
77.5°	5.0
80°	3.7
82.5°	2.5
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)