

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: P1270182

Luminaire Tested: P3A17R309740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

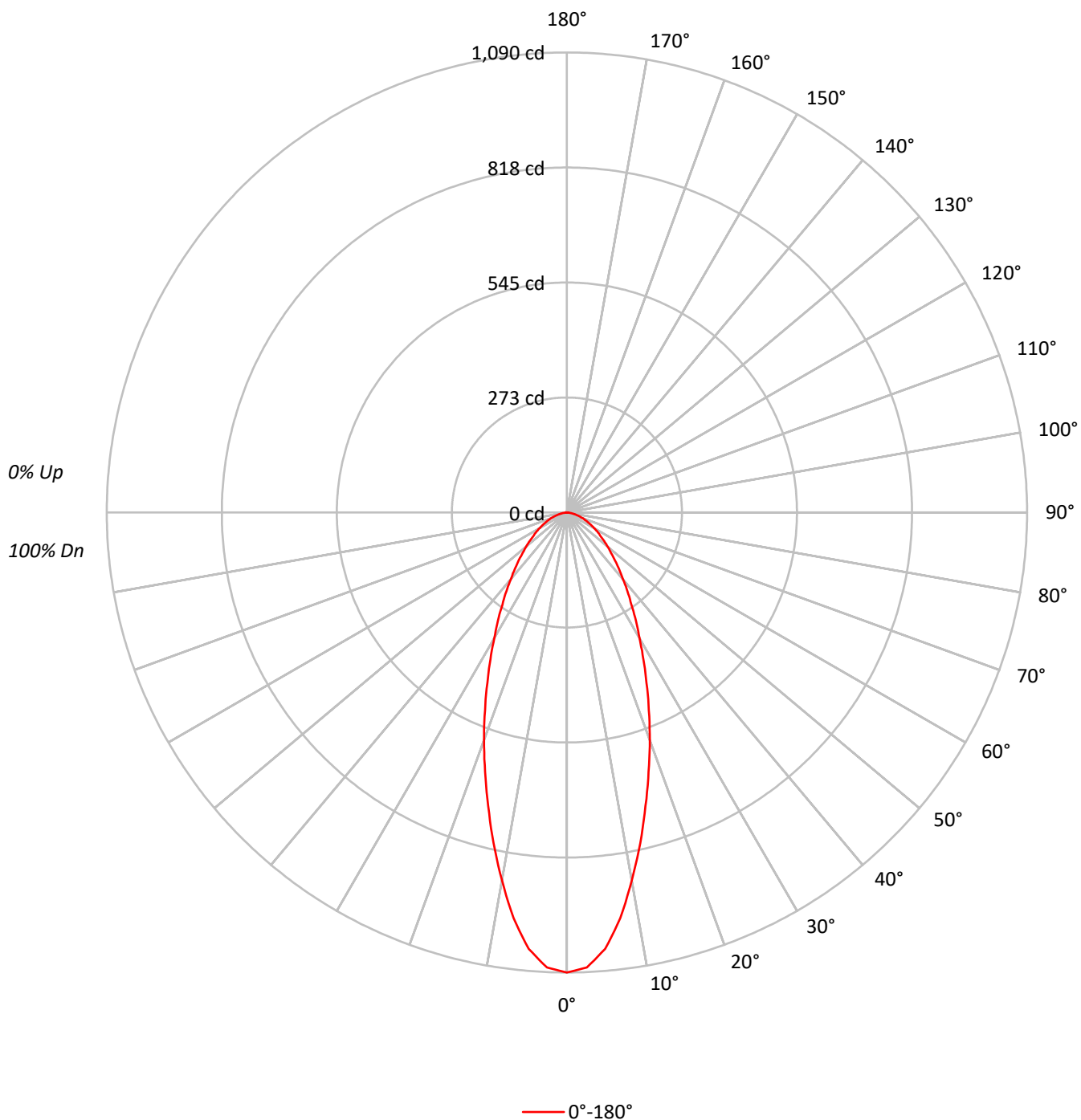
Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270182

CATALOG NUMBER: P3A17R309740DE010 E3PHLD1MW

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	108	105	102	109	106	103	100	102	99	97		98	96	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60
8	71	60	53	48	70	60	53	48	58	52	48		57	52	48		56
9	68	57	50	45	66	56	49	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239016
5°	228461
10°	197057
15°	163338
20°	133898
25°	107934
30°	87001
35°	71260
40°	59225
45°	50207
50°	42950
55°	37122
60°	33111
65°	28953
70°	25389
75°	21350
80°	15911
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50207 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	9.7
10°-20°	200.6	20.7
20°-30°	205.6	21.2
30°-40°	168.1	17.3
40°-50°	125.7	13.0
50°-60°	88.3	9.1
60°-70°	55.6	5.7
70°-80°	26.8	2.8
80°-90°	5.1	0.5
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°	500.4	51.6
0°-40°	668.5	68.9
0°-60°	882.5	91.0
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1090	
5°	1038	94
15°	720	201
25°	446	206
35°	266	168
45°	162	126
55°	97	88
65°	56	56
75°	25	27
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1090.0
2.5°	1079.2
5°	1037.9
7.5°	969.5
10°	885.0
12.5°	802.2
15°	719.5
17.5°	643.9
20°	573.8
22.5°	507.2
25°	446.1
27.5°	392.1
30°	343.6
32.5°	304.0
35°	266.2
37.5°	235.6
40°	206.9
42.5°	183.5
45°	161.9
47.5°	142.1
50°	125.9
52.5°	111.5
55°	97.1
57.5°	86.3
60°	75.5
62.5°	64.8
65°	55.8
67.5°	46.8
70°	39.6
72.5°	32.4
75°	25.2
77.5°	18.0
80°	12.6
82.5°	7.2
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)