

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: P1247222

Luminaire Tested: P3A17R209024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R209024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

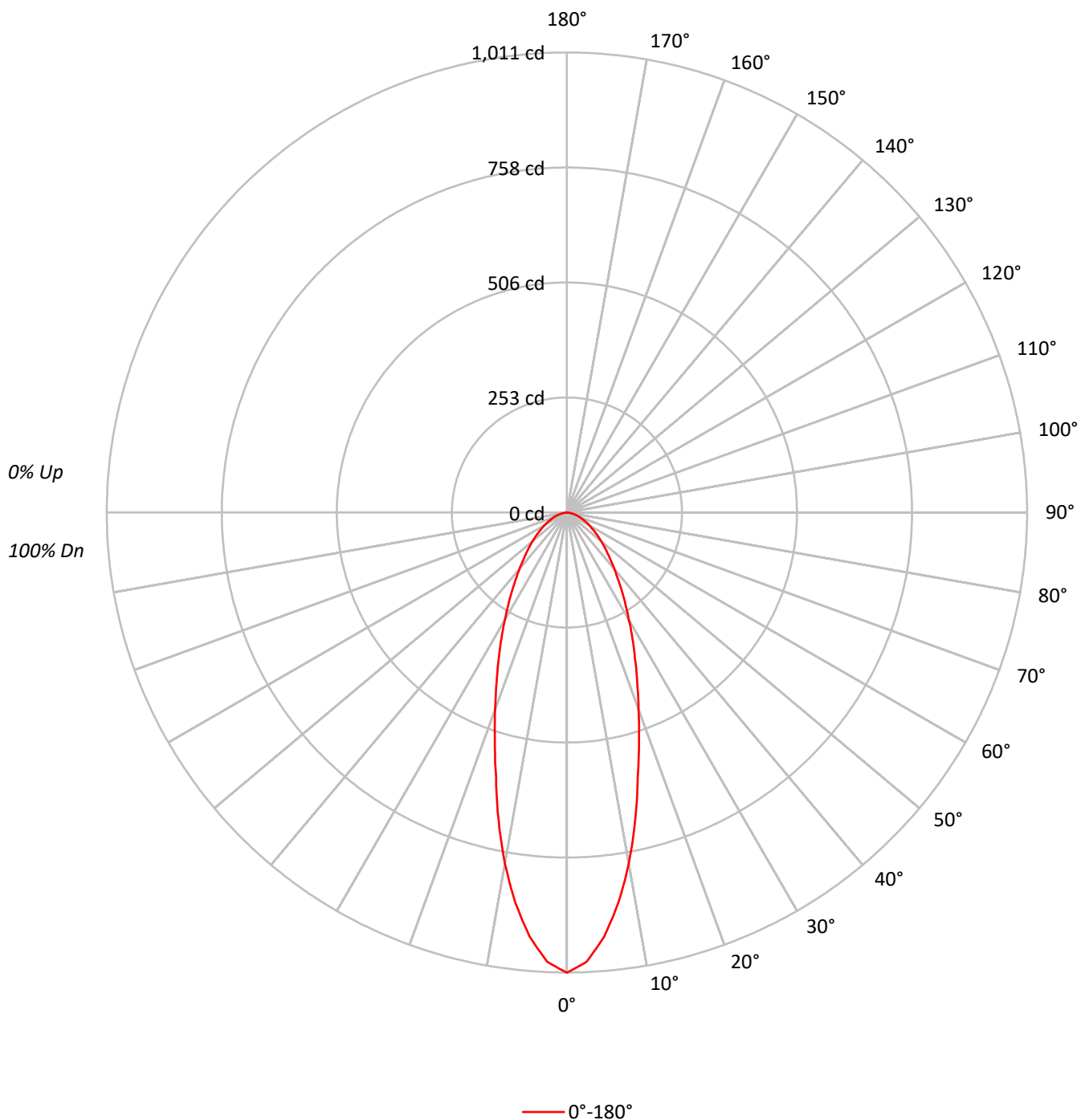
Lumens per Lamp: N/A
Luminaire Lumens: 782.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	101	102	100	97		98	96	95		95
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	63	58	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221780
5°	206031
10°	174457
15°	136573
20°	107483
25°	85674
30°	68897
35°	56162
40°	46458
45°	39136
50°	33568
55°	28826
60°	25173
65°	22104
70°	18913
75°	16691
80°	12375
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	10.8
10°-20°	168.4	21.5
20°-30°	163.5	20.9
30°-40°	132.1	16.9
40°-50°	98.2	12.6
50°-60°	68.2	8.7
60°-70°	42.7	5.5
70°-80°	20.8	2.7
80°-90°	3.6	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°	416.4	53.3
0°-40°	548.6	70.1
0°-60°	715.0	91.4
0°-90°	782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	782.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1011	
5°	936	84
15°	602	168
25°	354	164
35°	210	132
45°	126	98
55°	75	68
65°	43	43
75°	20	21
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1011.4
2.5°	988.4
5°	936.0
7.5°	865.5
10°	783.5
12.5°	693.4
15°	601.6
17.5°	526.2
20°	460.6
22.5°	403.2
25°	354.1
27.5°	311.4
30°	272.1
32.5°	239.3
35°	209.8
37.5°	183.6
40°	162.3
42.5°	142.6
45°	126.2
47.5°	111.5
50°	98.4
52.5°	86.9
55°	75.4
57.5°	65.6
60°	57.4
62.5°	50.8
65°	42.6
67.5°	36.1
70°	29.5
72.5°	24.6
75°	19.7
77.5°	14.8
80°	9.8
82.5°	4.9
85°	3.3
87.5°	0.0
90°	0.0

(END OF REPORT)