

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: P1270118

Luminaire Tested: P3A17R209740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270118
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: P3A17R209740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

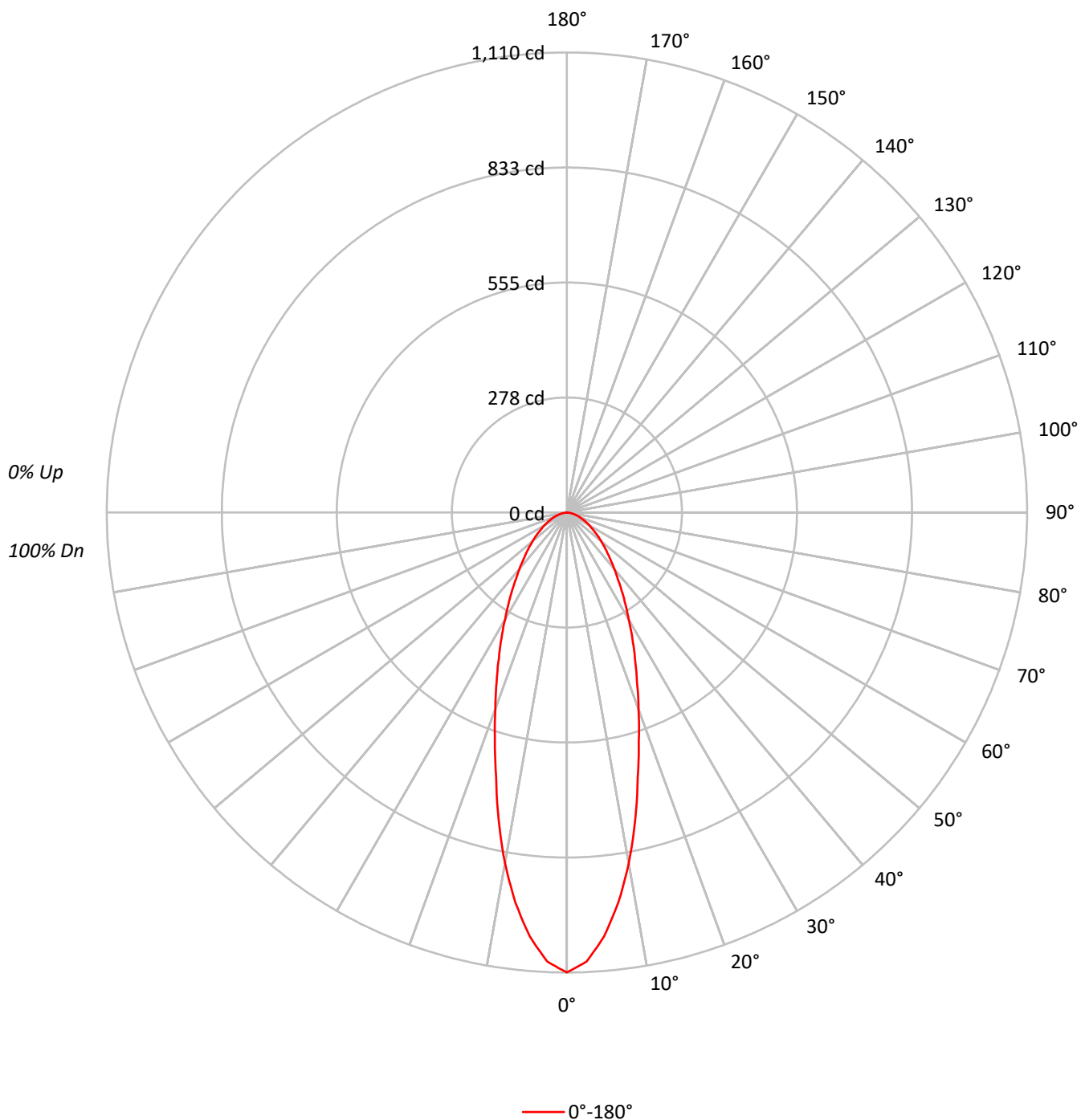
Lumens per Lamp: N/A
Luminaire Lumens: 858.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	243336
5°	226039
10°	191424
15°	149831
20°	117937
25°	93997
30°	75581
35°	61623
40°	50953
45°	42950
50°	36809
55°	31617
60°	27586
65°	24283
70°	20773
75°	18300
80°	13638
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	10.8
10°-20°	184.8	21.5
20°-30°	179.4	20.9
30°-40°	145.0	16.9
40°-50°	107.7	12.6
50°-60°	74.8	8.7
60°-70°	46.9	5.5
70°-80°	22.8	2.7
80°-90°	3.9	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°	456.9	53.3
0°-40°	601.9	70.1
0°-60°	784.4	91.4
0°-90°	858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1110	
5°	1027	93
15°	660	185
25°	388	179
35°	230	145
45°	138	108
55°	83	75
65°	47	47
75°	22	23
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1109.7
2.5°	1084.5
5°	1026.9
7.5°	949.6
10°	859.7
12.5°	760.8
15°	660.0
17.5°	577.3
20°	505.4
22.5°	442.4
25°	388.5
27.5°	341.7
30°	298.5
32.5°	262.6
35°	230.2
37.5°	201.4
40°	178.0
42.5°	156.5
45°	138.5
47.5°	122.3
50°	107.9
52.5°	95.3
55°	82.7
57.5°	71.9
60°	62.9
62.5°	55.8
65°	46.8
67.5°	39.6
70°	32.4
72.5°	27.0
75°	21.6
77.5°	16.2
80°	10.8
82.5°	5.4
85°	3.6
87.5°	0.0
90°	0.0

(END OF REPORT)