

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: P1272912

Luminaire Tested: P3A02R159830DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159830DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

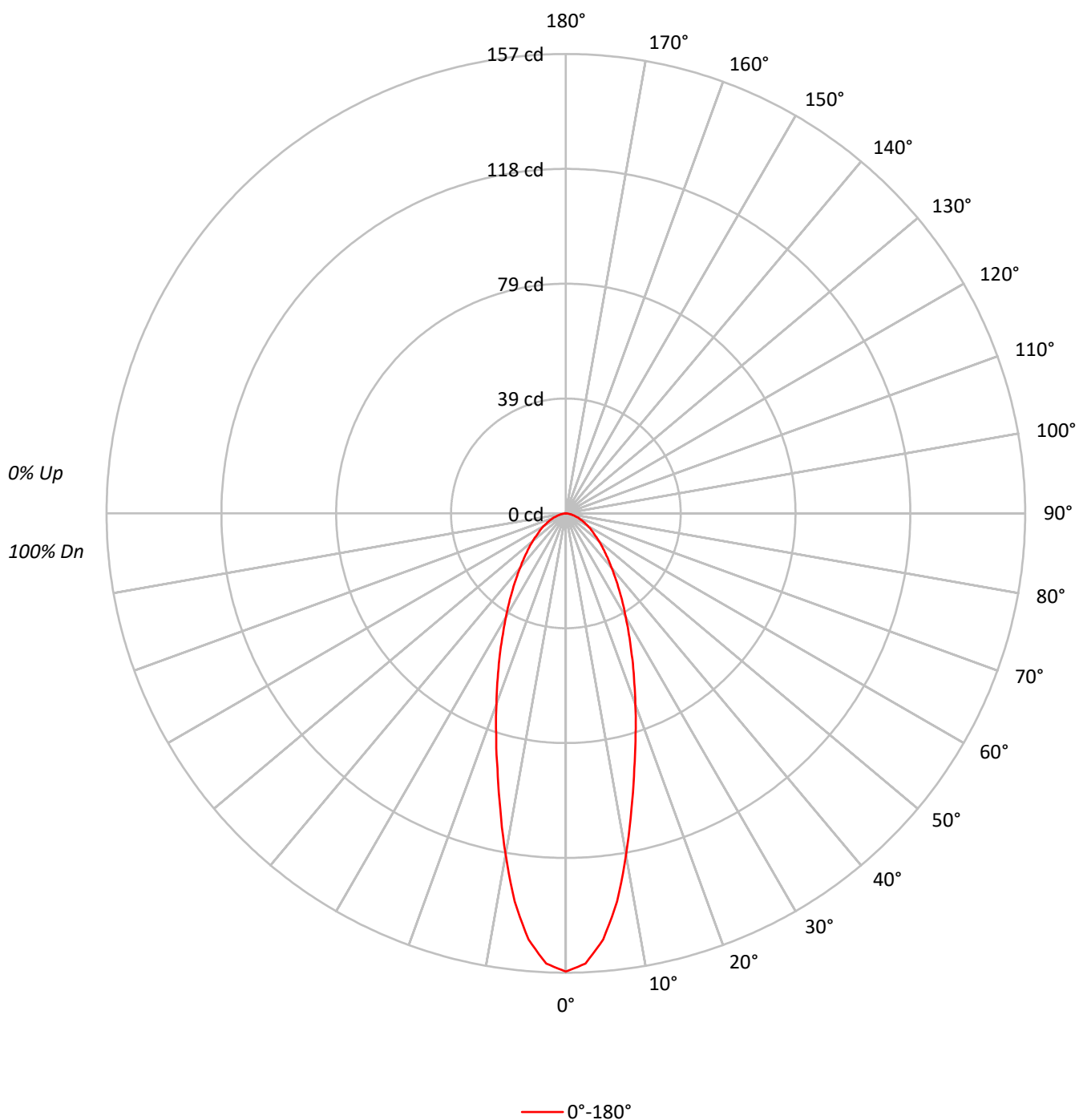
Lumens per Lamp: N/A
Luminaire Lumens: 118.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	97	92	88	93	89	86		90	87	84		87
3	98	90	83	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	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		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34339
5°	32181
10°	26386
15°	20500
20°	16195
25°	12896
30°	10356
35°	8459
40°	6956
45°	5861
50°	5049
55°	4358
60°	3859
65°	3373
70°	3013
75°	2372
80°	2020
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	11.1
10°-20°	25.3	21.4
20°-30°	24.6	20.8
30°-40°	19.9	16.8
40°-50°	14.8	12.5
50°-60°	10.3	8.7
60°-70°	6.5	5.5
70°-80°	3.1	2.6
80°-90°	0.6	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°	62.9	53.3
0°-40°	82.8	70.2
0°-60°	107.9	91.4
0°-90°	118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	118.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	157	
5°	146	13
15°	90	25
25°	53	25
35°	32	20
45°	19	15
55°	11	10
65°	6	6
75°	3	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	156.6
2.5°	154.0
5°	146.2
7.5°	133.8
10°	118.5
12.5°	103.5
15°	90.3
17.5°	79.2
20°	69.4
22.5°	60.8
25°	53.3
27.5°	46.6
30°	40.9
32.5°	36.0
35°	31.6
37.5°	27.7
40°	24.3
42.5°	21.5
45°	18.9
47.5°	16.8
50°	14.8
52.5°	12.9
55°	11.4
57.5°	10.1
60°	8.8
62.5°	7.5
65°	6.5
67.5°	5.4
70°	4.7
72.5°	3.6
75°	2.8
77.5°	2.1
80°	1.6
82.5°	0.8
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)