

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: P1272938

Luminaire Tested: P3A02R209830DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272938
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: P3A02R209830DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

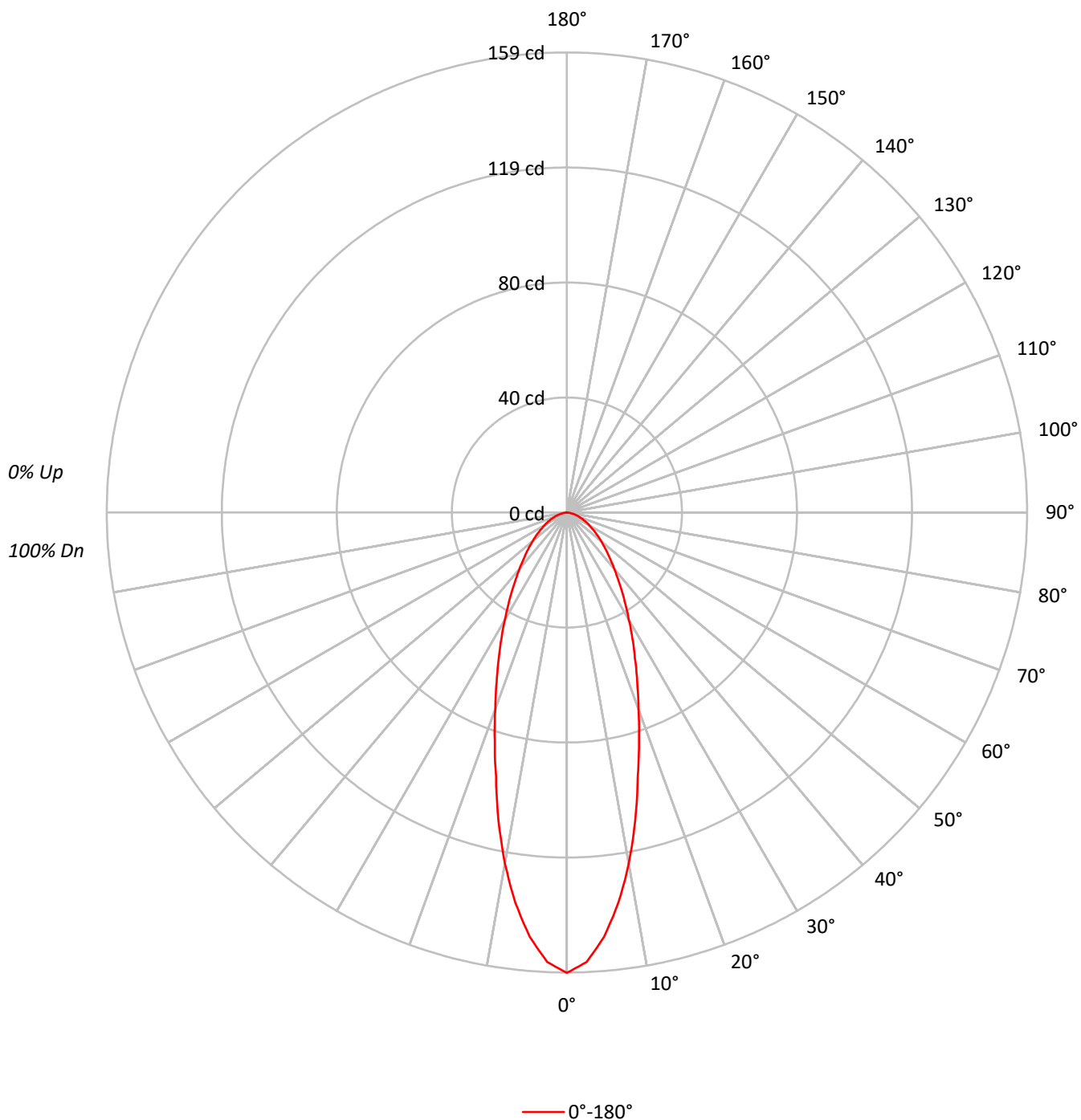
Lumens per Lamp: N/A
Luminaire Lumens: 123.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	64	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°	34888
5°	32401
10°	27432
15°	21476
20°	16895
25°	13477
30°	10837
35°	8834
40°	7299
45°	6171
50°	5288
55°	4549
60°	3947
65°	3476
70°	2949
75°	2626
80°	1894
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6171 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	10.8
10°-20°	26.5	21.5
20°-30°	25.7	20.9
30°-40°	20.8	16.9
40°-50°	15.4	12.6
50°-60°	10.7	8.7
60°-70°	6.7	5.5
70°-80°	3.3	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°	65.5	53.3
0°-40°	86.3	70.1
0°-60°	112.5	91.4
0°-90°	123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	159	
5°	147	13
15°	95	26
25°	56	26
35°	33	21
45°	20	15
55°	12	11
65°	7	7
75°	3	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	159.1
2.5°	155.5
5°	147.2
7.5°	136.1
10°	123.2
12.5°	109.1
15°	94.6
17.5°	82.8
20°	72.4
22.5°	63.4
25°	55.7
27.5°	49.0
30°	42.8
32.5°	37.6
35°	33.0
37.5°	28.9
40°	25.5
42.5°	22.4
45°	19.9
47.5°	17.5
50°	15.5
52.5°	13.7
55°	11.9
57.5°	10.3
60°	9.0
62.5°	8.0
65°	6.7
67.5°	5.7
70°	4.6
72.5°	3.9
75°	3.1
77.5°	2.3
80°	1.5
82.5°	0.8
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)