

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: P1247164

Luminaire Tested: P3A17R129024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247164
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: P3A17R129024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

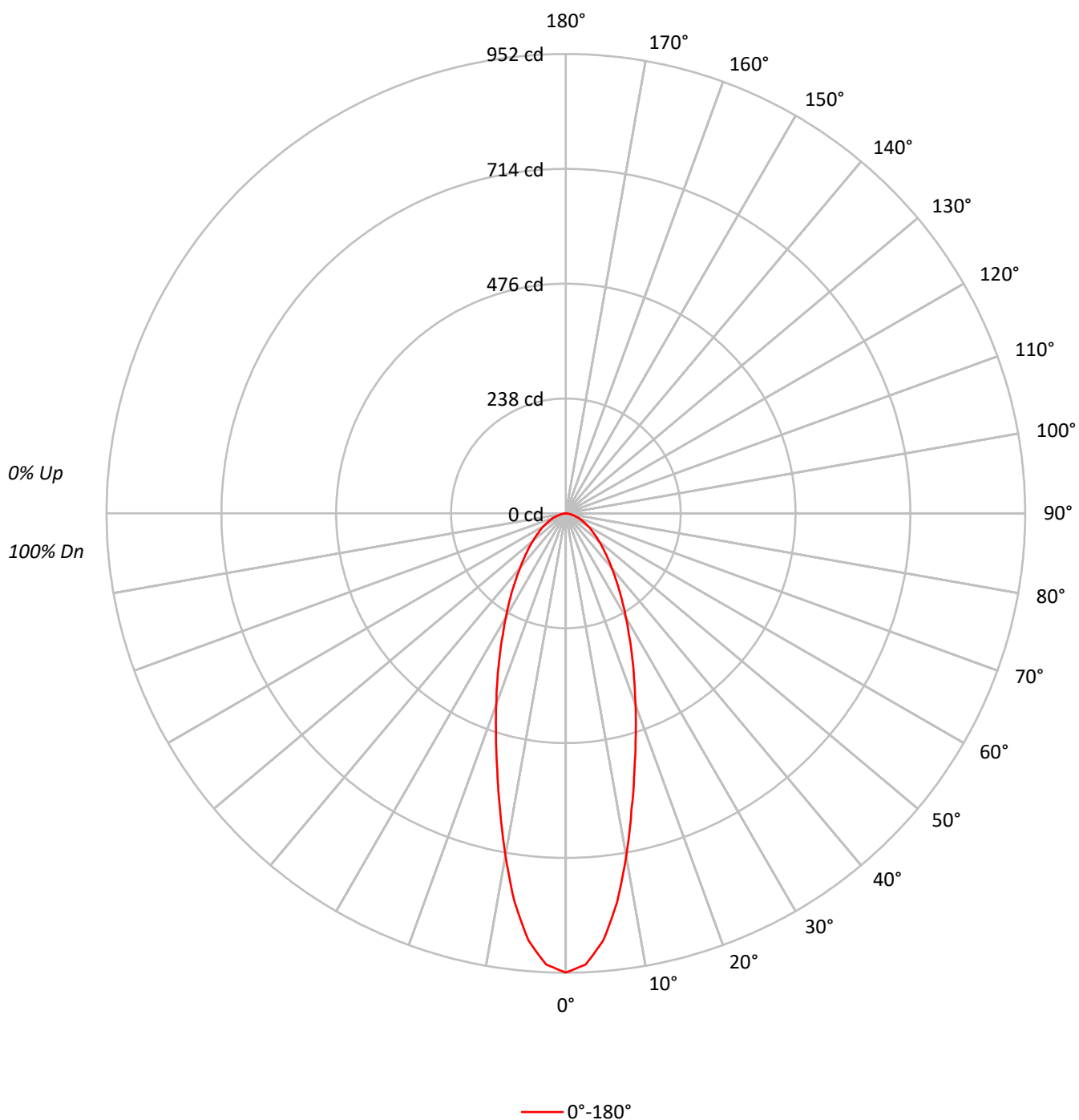
Lumens per Lamp: N/A
Luminaire Lumens: 716.9 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 22.9
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	84	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	71	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	47	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°	208646
5°	195597
10°	160384
15°	124609
20°	98359
25°	78392
30°	62921
35°	51370
40°	42308
45°	35601
50°	30566
55°	26455
60°	23463
65°	20391
70°	18144
75°	14657
80°	11870
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35601 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	11.1
10°-20°	153.8	21.4
20°-30°	149.4	20.8
30°-40°	120.8	16.8
40°-50°	89.7	12.5
50°-60°	62.6	8.7
60°-70°	39.2	5.5
70°-80°	18.6	2.6
80°-90°	3.4	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°	382.6	53.4
0°-40°	503.3	70.2
0°-60°	655.6	91.5
0°-90°	716.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	952	
5°	889	79
15°	549	154
25°	324	149
35°	192	121
45°	115	90
55°	69	63
65°	39	39
75°	17	19
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	951.5
2.5°	935.8
5°	888.6
7.5°	813.1
10°	720.3
12.5°	629.1
15°	548.9
17.5°	481.3
20°	421.5
22.5°	369.6
25°	324.0
27.5°	283.1
30°	248.5
32.5°	218.6
35°	191.9
37.5°	168.3
40°	147.8
42.5°	130.5
45°	114.8
47.5°	102.2
50°	89.6
52.5°	78.6
55°	69.2
57.5°	61.3
60°	53.5
62.5°	45.6
65°	39.3
67.5°	33.0
70°	28.3
72.5°	22.0
75°	17.3
77.5°	12.6
80°	9.4
82.5°	4.7
85°	3.1
87.5°	0.0
90°	0.0

(END OF REPORT)