

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: P1247286

Luminaire Tested: P3A17R309024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

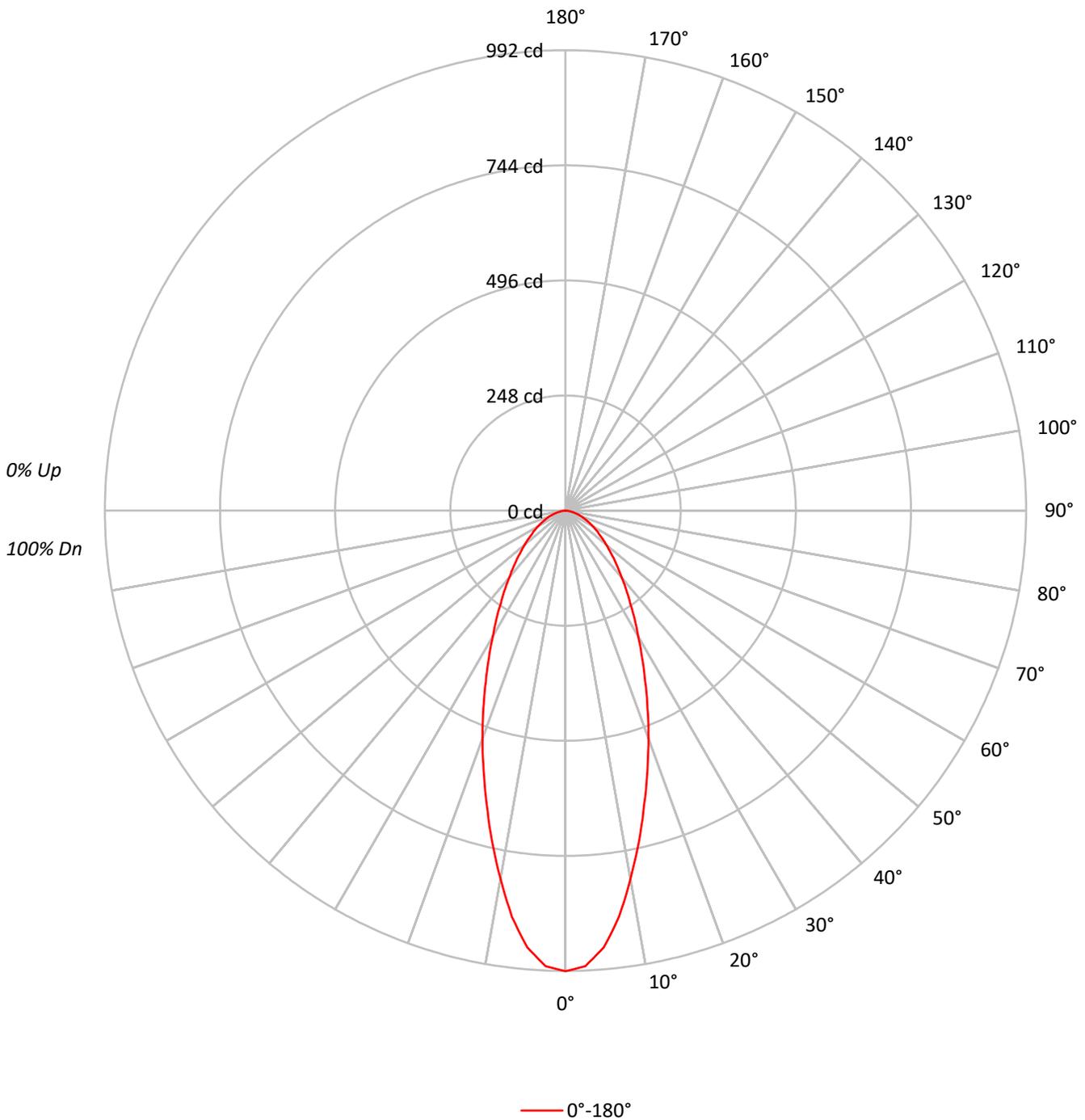
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 883.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	94	93	91	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	74	70	66	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	60	55	51	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	56	51	48	46
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	53	48	44	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217592
5°	207968
10°	179378
15°	148696
20°	121881
25°	98256
30°	79177
35°	64862
40°	53901
45°	45710
50°	39095
55°	33796
60°	30173
65°	26358
70°	23081
75°	19402
80°	14522
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45710 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	9.7
10°-20°	182.6	20.7
20°-30°	187.2	21.2
30°-40°	153.0	17.3
40°-50°	114.5	13.0
50°-60°	80.4	9.1
60°-70°	50.6	5.7
70°-80°	24.4	2.8
80°-90°	4.7	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°	455.5	51.6
0°-40°	608.5	68.9
0°-60°	803.4	91.0
0°-90°	883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	992	
5°	945	86
15°	655	183
25°	406	187
35°	242	153
45°	147	114
55°	88	80
65°	51	51
75°	23	24
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	992.3
2.5°	982.4
5°	944.8
7.5°	882.6
10°	805.6
12.5°	730.3
15°	655.0
17.5°	586.2
20°	522.3
22.5°	461.7
25°	406.1
27.5°	357.0
30°	312.7
32.5°	276.7
35°	242.3
37.5°	214.5
40°	188.3
42.5°	167.0
45°	147.4
47.5°	129.4
50°	114.6
52.5°	101.5
55°	88.4
57.5°	78.6
60°	68.8
62.5°	58.9
65°	50.8
67.5°	42.6
70°	36.0
72.5°	29.5
75°	22.9
77.5°	16.4
80°	11.5
82.5°	6.5
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)