

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: P1247165

Luminaire Tested: P3A17R129024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R129024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

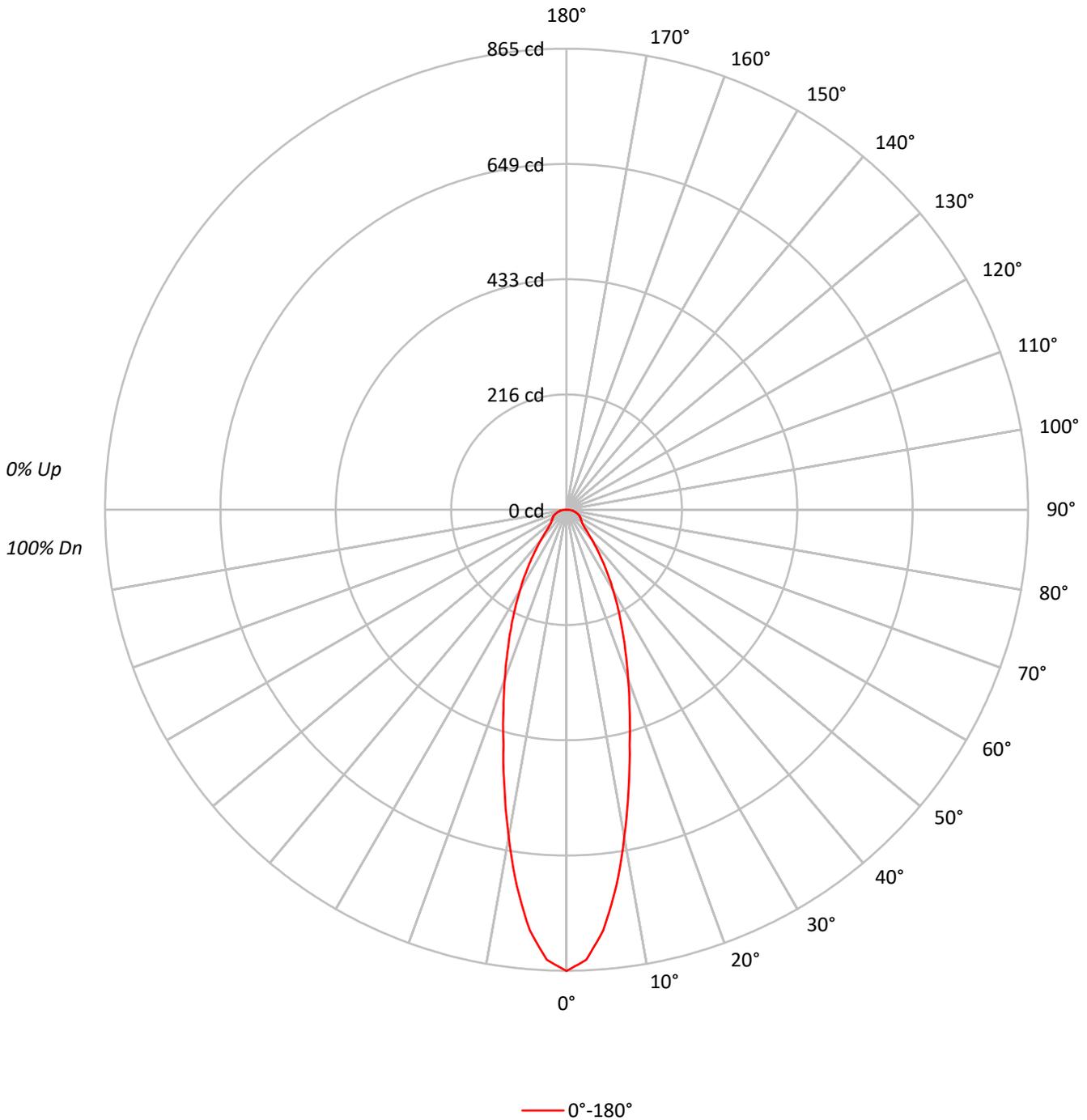
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 22.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
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				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	100				100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90				90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81				81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74				74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63				63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59				59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52				52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49				49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189765
5°	174246
10°	138831
15°	103746
20°	78804
25°	59665
30°	44133
35°	31534
40°	21583
45°	15102
50°	12861
55°	12616
60°	13069
65°	13854
70°	14105
75°	14657
80°	15911
85°	15851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 18480 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	13.8
10°-20°	128.2	25.3
20°-30°	113.6	22.4
30°-40°	74.4	14.7
40°-50°	39.8	7.8
50°-60°	30.0	5.9
60°-70°	25.9	5.1
70°-80°	17.8	3.5
80°-90°	7.3	1.4
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°	311.9	61.5
0°-40°	386.2	76.2
0°-60°	456.0	89.9
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	865	
5°	792	70
15°	457	128
25°	247	114
35°	118	74
45°	49	40
55°	33	30
65°	27	26
75°	17	18
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	865.4
2.5°	845.0
5°	791.6
7.5°	713.0
10°	623.5
12.5°	537.1
15°	457.0
17.5°	392.6
20°	337.7
22.5°	289.0
25°	246.6
27.5°	208.9
30°	174.3
32.5°	144.5
35°	117.8
37.5°	94.2
40°	75.4
42.5°	59.7
45°	48.7
47.5°	42.4
50°	37.7
52.5°	36.1
55°	33.0
57.5°	31.4
60°	29.8
62.5°	28.3
65°	26.7
67.5°	23.6
70°	22.0
72.5°	18.8
75°	17.3
77.5°	14.1
80°	12.6
82.5°	11.0
85°	6.3
87.5°	3.1
90°	0.0

(END OF REPORT)