

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: P1262956

Luminaire Tested: P3A17R159727DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262956
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: P3A17R159727DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

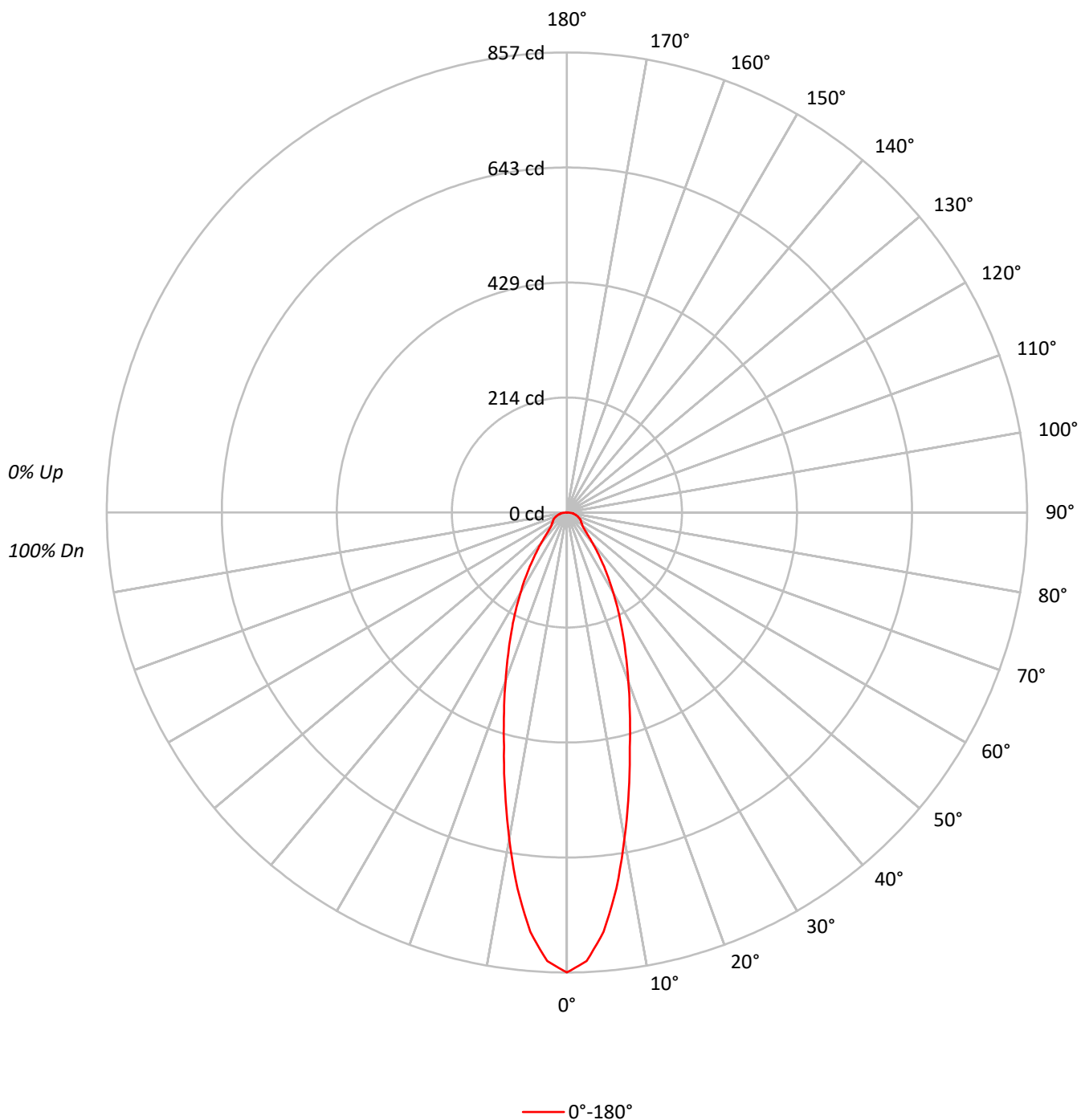
Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 23.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	100	102	99	97		98	96	94		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		72
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187880
5°	172529
10°	137472
15°	102725
20°	78010
25°	59060
30°	43703
35°	31213
40°	21354
45°	14947
50°	12725
55°	12501
60°	12938
65°	13698
70°	13977
75°	14488
80°	15659
85°	15599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 18312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	13.8
10°-20°	126.9	25.3
20°-30°	112.4	22.4
30°-40°	73.6	14.7
40°-50°	39.4	7.8
50°-60°	29.8	5.9
60°-70°	25.6	5.1
70°-80°	17.7	3.5
80°-90°	7.2	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°	308.8	61.5
0°-40°	382.4	76.2
0°-60°	451.5	90.0
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	857	
5°	784	69
15°	452	127
25°	244	112
35°	117	74
45°	48	39
55°	33	30
65°	26	26
75°	17	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	856.8
2.5°	836.6
5°	783.8
7.5°	706.0
10°	617.4
12.5°	531.8
15°	452.5
17.5°	388.8
20°	334.3
22.5°	286.1
25°	244.1
27.5°	206.8
30°	172.6
32.5°	143.1
35°	116.6
37.5°	93.3
40°	74.6
42.5°	59.1
45°	48.2
47.5°	42.0
50°	37.3
52.5°	35.8
55°	32.7
57.5°	31.1
60°	29.5
62.5°	28.0
65°	26.4
67.5°	23.3
70°	21.8
72.5°	18.7
75°	17.1
77.5°	14.0
80°	12.4
82.5°	10.9
85°	6.2
87.5°	3.1
90°	0.0

(END OF REPORT)