

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: P1272223

Luminaire Tested: P3AS17R159827DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272223
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: P3AS17R159827DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

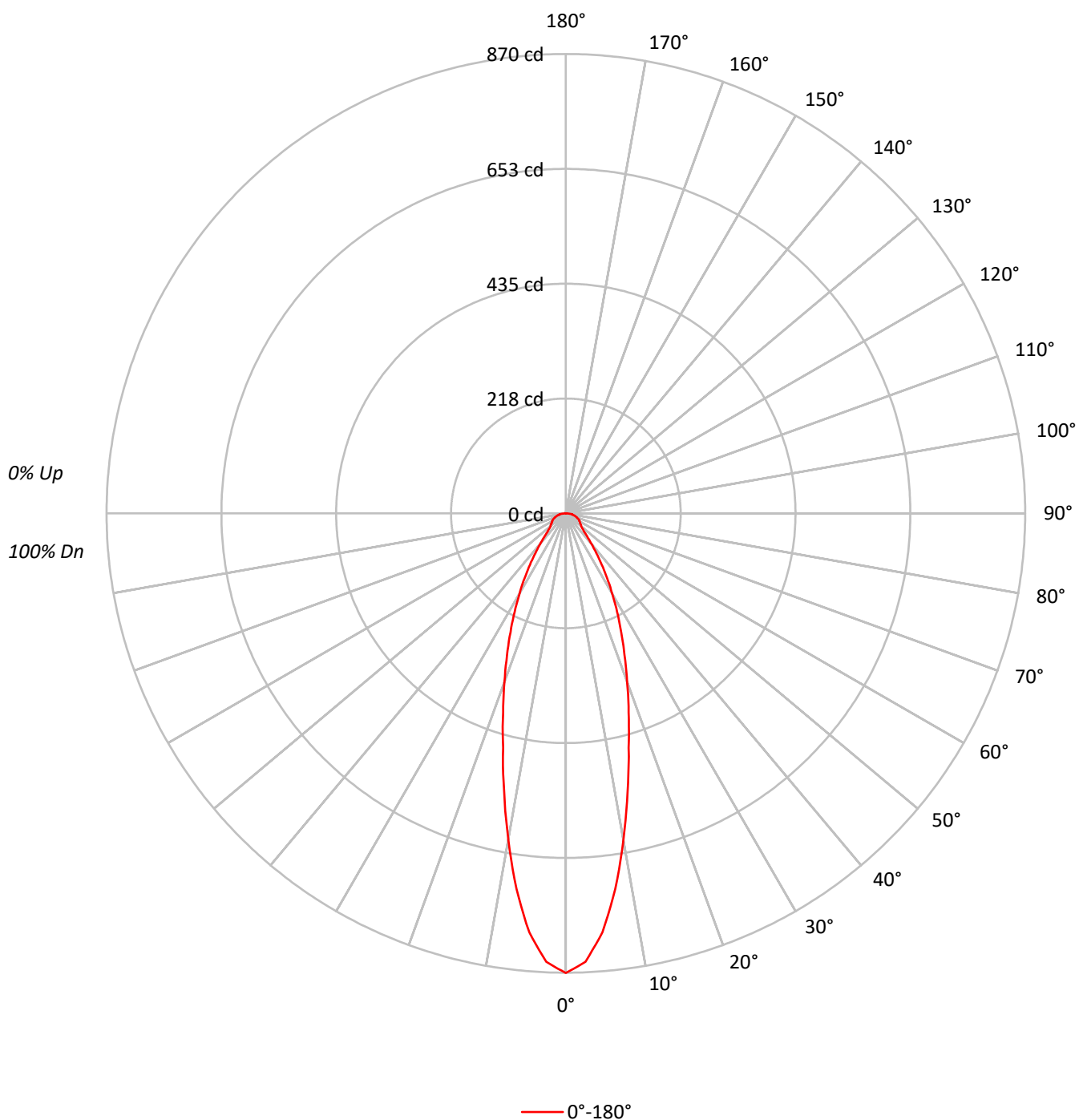
Lumens per Lamp: N/A
Luminaire Lumens: 510.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1272223

CATALOG NUMBER: P3AS17R159827DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272223

CATALOG NUMBER: P3AS17R159827DE010 E3PHLP1MW

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°	190884
5°	175258
10°	139655
15°	104359
20°	79270
25°	60003
30°	44412
35°	31722
40°	21698
45°	15195
50°	12929
55°	12692
60°	13157
65°	13957
70°	14169
75°	14742
80°	15911
85°	15851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 18648 cd/sqm

TEST NUMBER: P1272223

CATALOG NUMBER: P3AS17R159827DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	13.8
10°-20°	129.0	25.3
20°-30°	114.2	22.4
30°-40°	74.8	14.7
40°-50°	40.0	7.8
50°-60°	30.2	5.9
60°-70°	26.0	5.1
70°-80°	17.9	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°	313.7	61.5
0°-40°	388.5	76.2
0°-60°	458.7	89.9
0°-90°	510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	870	
5°	796	71
15°	460	129
25°	248	114
35°	118	75
45°	49	40
55°	33	30
65°	27	26
75°	17	18
85°	6	7
90°	0	

TEST NUMBER: P1272223

CATALOG NUMBER: P3AS17R159827DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	870.5
2.5°	850.0
5°	796.2
7.5°	717.3
10°	627.2
12.5°	540.3
15°	459.7
17.5°	395.0
20°	339.7
22.5°	290.7
25°	248.0
27.5°	210.1
30°	175.4
32.5°	145.3
35°	118.5
37.5°	94.8
40°	75.8
42.5°	60.0
45°	49.0
47.5°	42.7
50°	37.9
52.5°	36.3
55°	33.2
57.5°	31.6
60°	30.0
62.5°	28.4
65°	26.9
67.5°	23.7
70°	22.1
72.5°	19.0
75°	17.4
77.5°	14.2
80°	12.6
82.5°	11.1
85°	6.3
87.5°	3.2
90°	0.0

(END OF REPORT)