

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: P1268060

Luminaire Tested: P3A18R129735D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268060
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: P3A18R129735D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 3500K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

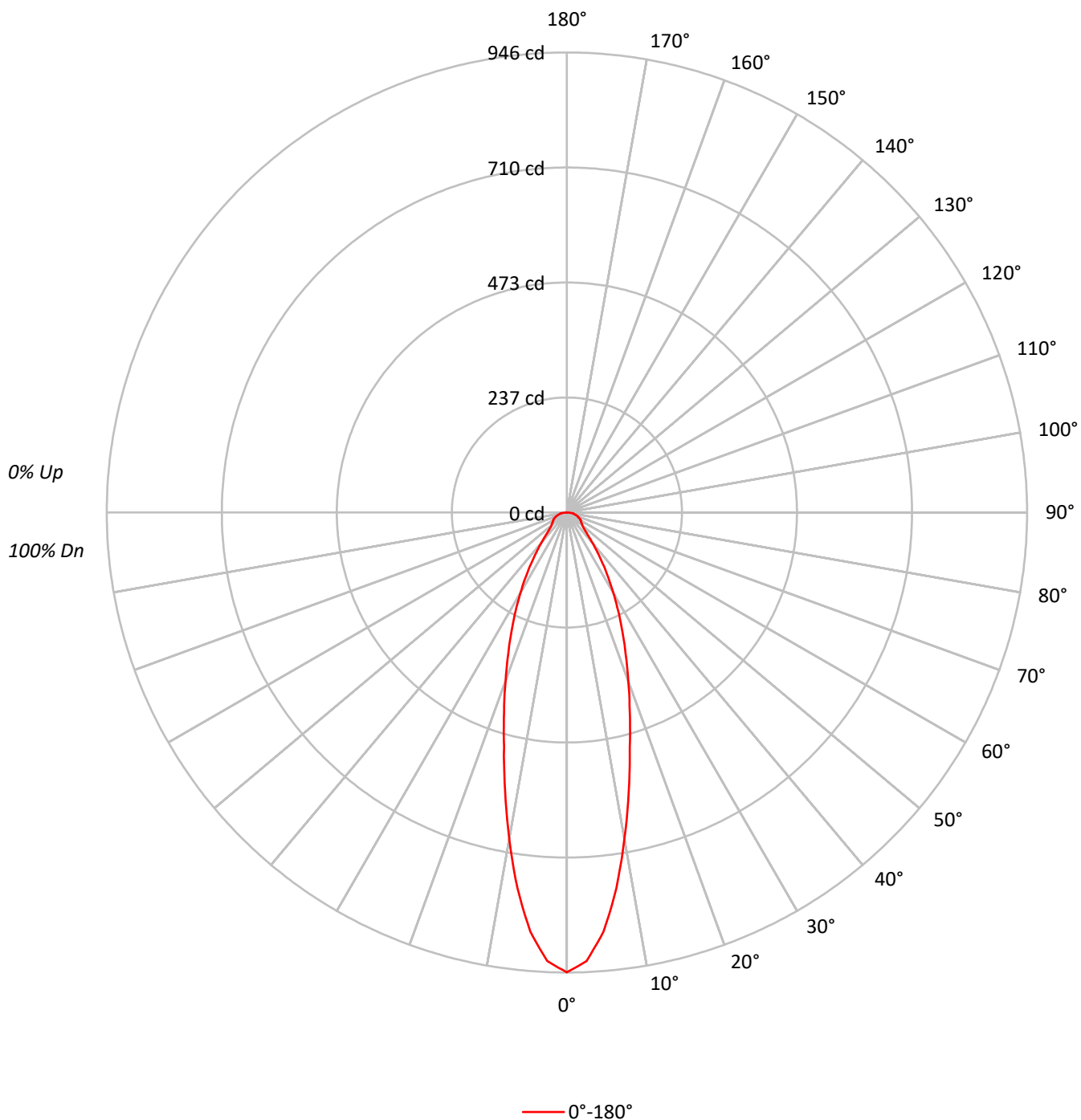
Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1268060

CATALOG NUMBER: P3A18R129735D010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1268060

CATALOG NUMBER: P3A18R129735D010 E3PHLP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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		100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		90
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		81
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		74
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		68
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		63
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		59
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		55
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		49
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	207352
5°	190380
10°	151701
15°	113372
20°	86107
25°	65181
30°	48235
35°	34452
40°	23587
45°	16498
50°	14055
55°	13763
60°	14297
65°	15151
70°	15387
75°	16013
80°	17300
85°	17360

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 20160 cd/sqm

TEST NUMBER: P1268060

CATALOG NUMBER: P3A18R129735D010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	13.8
10°-20°	140.1	25.3
20°-30°	124.1	22.4
30°-40°	81.3	14.7
40°-50°	43.4	7.8
50°-60°	32.8	5.9
60°-70°	28.3	5.1
70°-80°	19.5	3.5
80°-90°	7.9	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°	340.8	61.5
0°-40°	422.1	76.2
0°-60°	498.3	90.0
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	946	
5°	865	77
15°	499	140
25°	269	124
35°	129	81
45°	53	43
55°	36	33
65°	29	28
75°	19	19
85°	7	8
90°	0	

TEST NUMBER: P1268060

CATALOG NUMBER: P3A18R129735D010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	945.6
2.5°	923.3
5°	864.9
7.5°	779.1
10°	681.3
12.5°	586.9
15°	499.4
17.5°	429.0
20°	369.0
22.5°	315.8
25°	269.4
27.5°	228.2
30°	190.5
32.5°	157.9
35°	128.7
37.5°	103.0
40°	82.4
42.5°	65.2
45°	53.2
47.5°	46.3
50°	41.2
52.5°	39.5
55°	36.0
57.5°	34.3
60°	32.6
62.5°	30.9
65°	29.2
67.5°	25.7
70°	24.0
72.5°	20.6
75°	18.9
77.5°	15.4
80°	13.7
82.5°	12.0
85°	6.9
87.5°	3.4
90°	0.0

(END OF REPORT)