

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: P1267804

Luminaire Tested: P3A17R309735DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309735DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

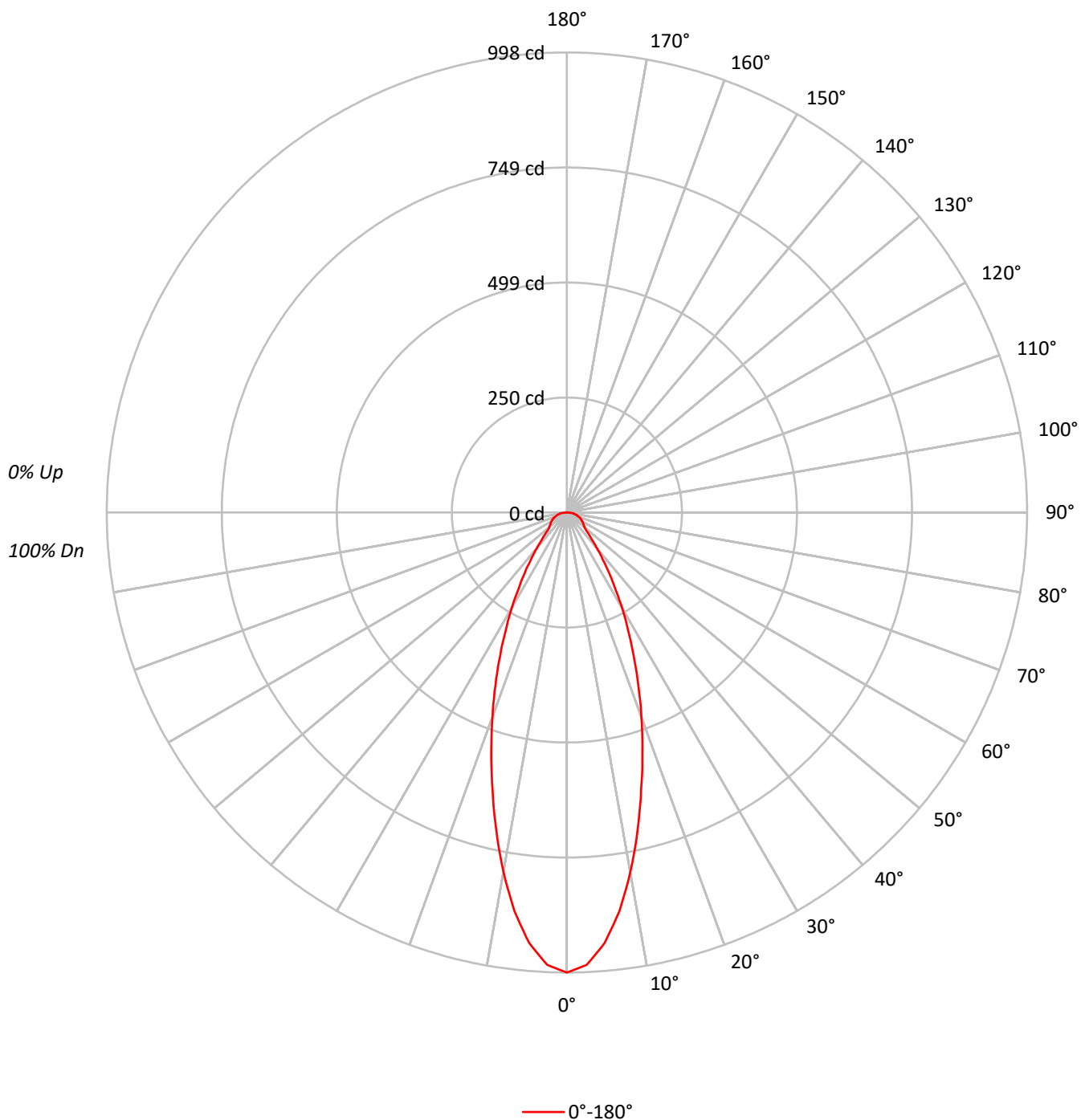
Lumens per Lamp: N/A
Luminaire Lumens: 674.0 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1267804

CATALOG NUMBER: P3A17R309735DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1267804

CATALOG NUMBER: P3A17R309735DE010 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	101	102	100	97		98	96	94		90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	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	66	75	70	66		74	69	65		63
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		59
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		55
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		51
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		49
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	218842
5°	206339
10°	176372
15°	141340
20°	110190
25°	82868
30°	60440
35°	42590
40°	29198
45°	20932
50°	17125
55°	16516
60°	16709
65°	17071
70°	17759
75°	19063
80°	19699
85°	21637

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 23184 cd/sqm

TEST NUMBER: P1267804

CATALOG NUMBER: P3A17R309735DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	12.6
10°-20°	173.0	25.7
20°-30°	157.6	23.4
30°-40°	100.3	14.9
40°-50°	53.7	8.0
50°-60°	39.3	5.8
60°-70°	33.0	4.9
70°-80°	23.1	3.4
80°-90°	9.2	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°	415.5	61.6
0°-40°	515.8	76.5
0°-60°	608.8	90.3
0°-90°	674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	998	
5°	937	85
15°	623	173
25°	342	158
35°	159	100
45°	68	54
55°	43	39
65°	33	33
75°	22	23
85°	9	9
90°	0	



TEST NUMBER: P1267804

CATALOG NUMBER: P3A17R309735DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	998.0
2.5°	982.4
5°	937.4
7.5°	871.7
10°	792.1
12.5°	707.4
15°	622.6
17.5°	544.8
20°	472.2
22.5°	404.7
25°	342.5
27.5°	287.1
30°	238.7
32.5°	193.7
35°	159.1
37.5°	126.3
40°	102.0
42.5°	81.3
45°	67.5
47.5°	55.3
50°	50.2
52.5°	46.7
55°	43.2
57.5°	41.5
60°	38.1
62.5°	36.3
65°	32.9
67.5°	31.1
70°	27.7
72.5°	24.2
75°	22.5
77.5°	19.0
80°	15.6
82.5°	13.8
85°	8.6
87.5°	3.5
90°	0.0

(END OF REPORT)