

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: P1274293

Luminaire Tested: P3A17R159830DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274293
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: P3A17R159830DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

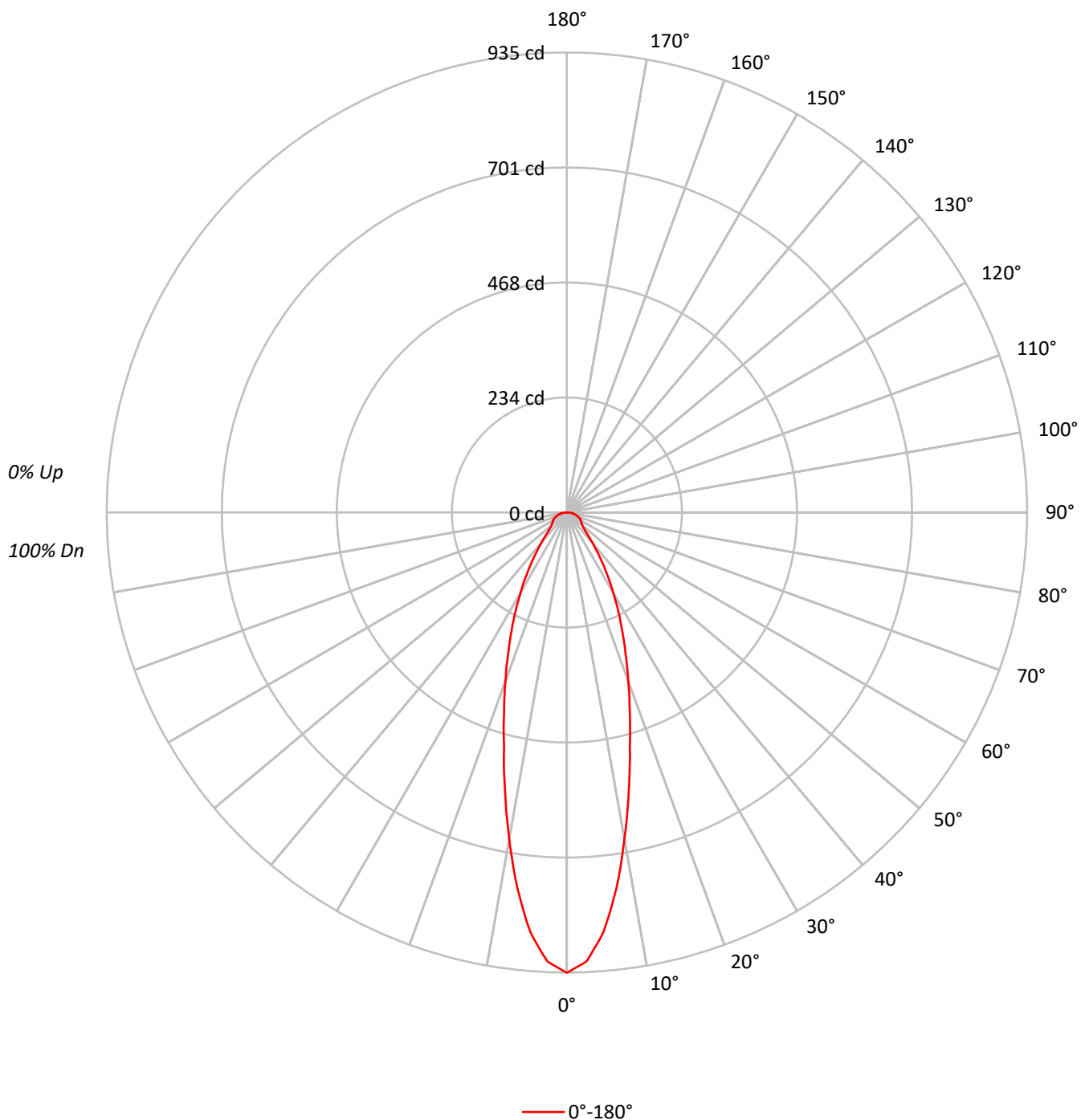
Lumens per Lamp: N/A
Luminaire Lumens: 548.1 lumens
Efficiency: N/A
Efficacy: 26.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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°	205115
5°	188333
10°	150053
15°	112146
20°	85174
25°	64480
30°	47704
35°	34077
40°	23329
45°	16312
50°	13884
55°	13610
60°	14166
65°	14995
70°	15259
75°	15843
80°	17174
85°	17109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 19992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	13.8
10°-20°	138.6	25.3
20°-30°	122.8	22.4
30°-40°	80.4	14.7
40°-50°	43.0	7.8
50°-60°	32.5	5.9
60°-70°	28.0	5.1
70°-80°	19.3	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°	337.1	61.5
0°-40°	417.5	76.2
0°-60°	492.9	89.9
0°-90°	548.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	935	
5°	856	76
15°	494	139
25°	266	123
35°	127	80
45°	53	43
55°	36	32
65°	29	28
75°	19	19
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	935.4
2.5°	913.3
5°	855.6
7.5°	770.7
10°	673.9
12.5°	580.6
15°	494.0
17.5°	424.4
20°	365.0
22.5°	312.4
25°	266.5
27.5°	225.8
30°	188.4
32.5°	156.2
35°	127.3
37.5°	101.9
40°	81.5
42.5°	64.5
45°	52.6
47.5°	45.8
50°	40.7
52.5°	39.0
55°	35.6
57.5°	34.0
60°	32.3
62.5°	30.6
65°	28.9
67.5°	25.5
70°	23.8
72.5°	20.4
75°	18.7
77.5°	15.3
80°	13.6
82.5°	11.9
85°	6.8
87.5°	3.4
90°	0.0

(END OF REPORT)