

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: P1247197

Luminaire Tested: P3A17R159024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247197
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: P3A17R159024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

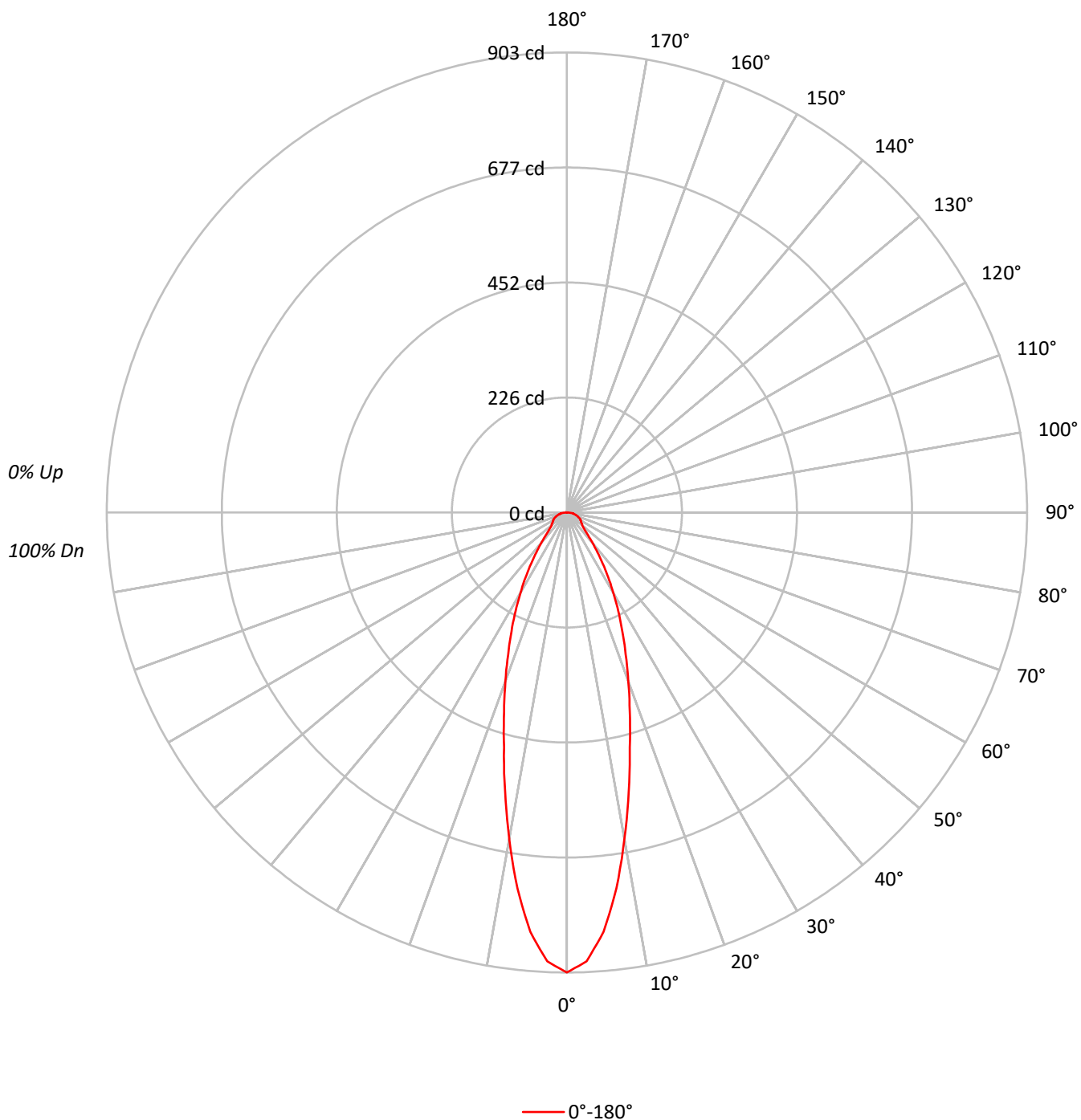
Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1247197

CATALOG NUMBER: P3A17R159024DE010 E3PHLP1MW

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°	197989
5°	181796
10°	144865
15°	108264
20°	82210
25°	62254
30°	46058
35°	32899
40°	22528
45°	15754
50°	13407
55°	13151
60°	13639
65°	14476
70°	14682
75°	15250
80°	16543
85°	16605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 19320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	13.8
10°-20°	133.8	25.3
20°-30°	118.5	22.4
30°-40°	77.6	14.7
40°-50°	41.5	7.8
50°-60°	31.3	5.9
60°-70°	27.0	5.1
70°-80°	18.6	3.5
80°-90°	7.6	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°	325.4	61.5
0°-40°	403.0	76.2
0°-60°	475.8	89.9
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	903	
5°	826	73
15°	477	134
25°	257	118
35°	123	78
45°	51	41
55°	34	31
65°	28	27
75°	18	19
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	902.9
2.5°	881.6
5°	825.9
7.5°	744.0
10°	650.6
12.5°	560.4
15°	476.9
17.5°	409.7
20°	352.3
22.5°	301.5
25°	257.3
27.5°	217.9
30°	181.9
32.5°	150.8
35°	122.9
37.5°	98.3
40°	78.7
42.5°	62.3
45°	50.8
47.5°	44.2
50°	39.3
52.5°	37.7
55°	34.4
57.5°	32.8
60°	31.1
62.5°	29.5
65°	27.9
67.5°	24.6
70°	22.9
72.5°	19.7
75°	18.0
77.5°	14.7
80°	13.1
82.5°	11.5
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)