

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: P1263334

Luminaire Tested: P3A20R159727D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263334
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: P3A20R159727D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

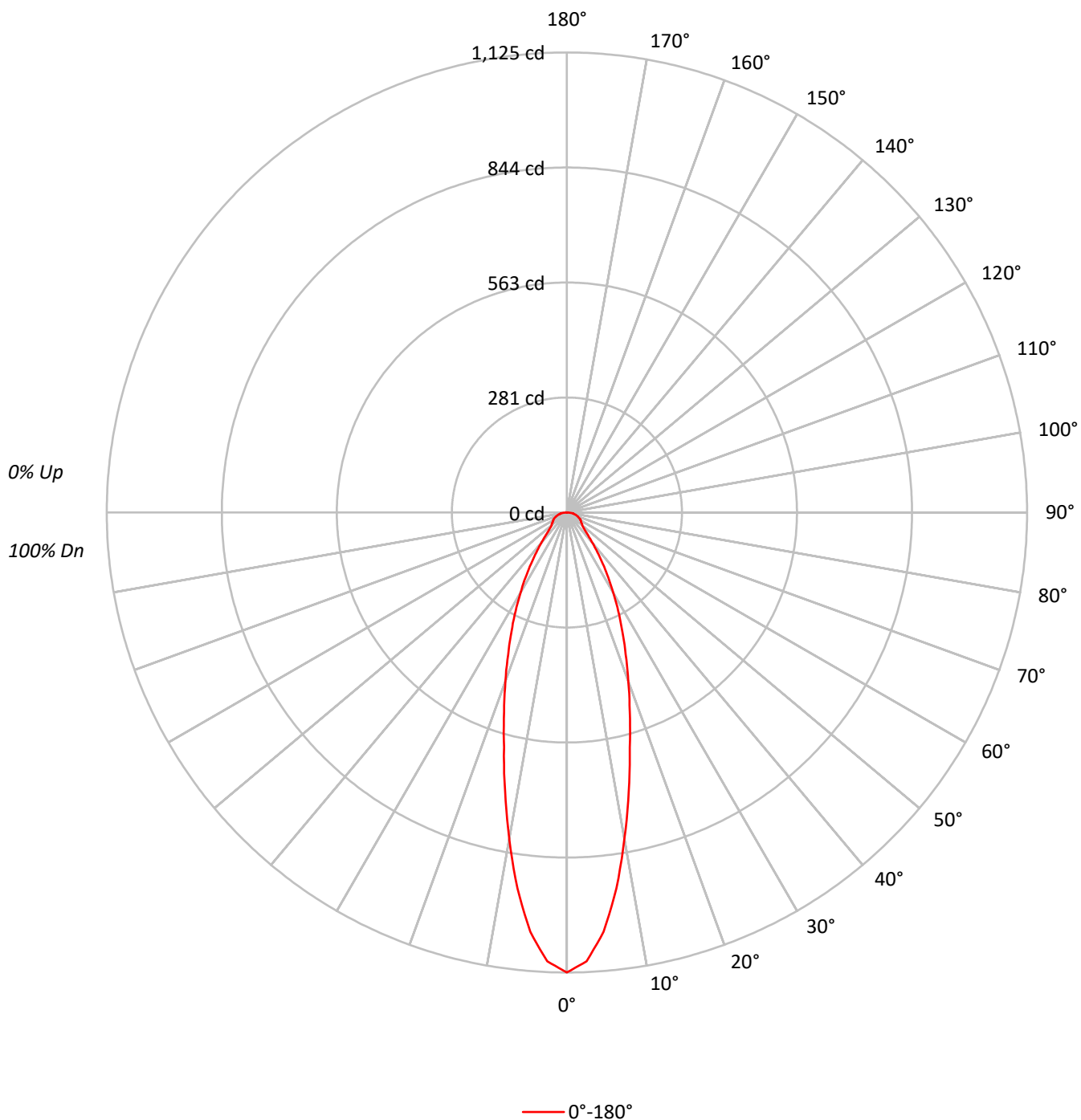
Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 22.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68		
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63		
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52		
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49		
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246647
5°	226480
10°	180446
15°	134870
20°	102419
25°	77545
30°	57376
35°	40984
40°	28053
45°	19630
50°	16716
55°	16401
60°	17016
65°	18005
70°	18336
75°	19063
80°	20583
85°	20631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 24024 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	13.8
10°-20°	166.6	25.3
20°-30°	147.6	22.4
30°-40°	96.7	14.7
40°-50°	51.7	7.8
50°-60°	39.1	5.9
60°-70°	33.6	5.1
70°-80°	23.2	3.5
80°-90°	9.5	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°	405.4	61.5
0°-40°	502.1	76.2
0°-60°	592.8	89.9
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1125	
5°	1029	91
15°	594	167
25°	320	148
35°	153	97
45°	63	52
55°	43	39
65°	35	34
75°	22	23
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1124.8
2.5°	1098.3
5°	1028.9
7.5°	926.8
10°	810.4
12.5°	698.2
15°	594.1
17.5°	510.4
20°	438.9
22.5°	375.6
25°	320.5
27.5°	271.5
30°	226.6
32.5°	187.8
35°	153.1
37.5°	122.5
40°	98.0
42.5°	77.6
45°	63.3
47.5°	55.1
50°	49.0
52.5°	47.0
55°	42.9
57.5°	40.8
60°	38.8
62.5°	36.7
65°	34.7
67.5°	30.6
70°	28.6
72.5°	24.5
75°	22.5
77.5°	18.4
80°	16.3
82.5°	14.3
85°	8.2
87.5°	4.1
90°	0.0

(END OF REPORT)