

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: P1272657

Luminaire Tested: P3AS20R309827D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309827D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

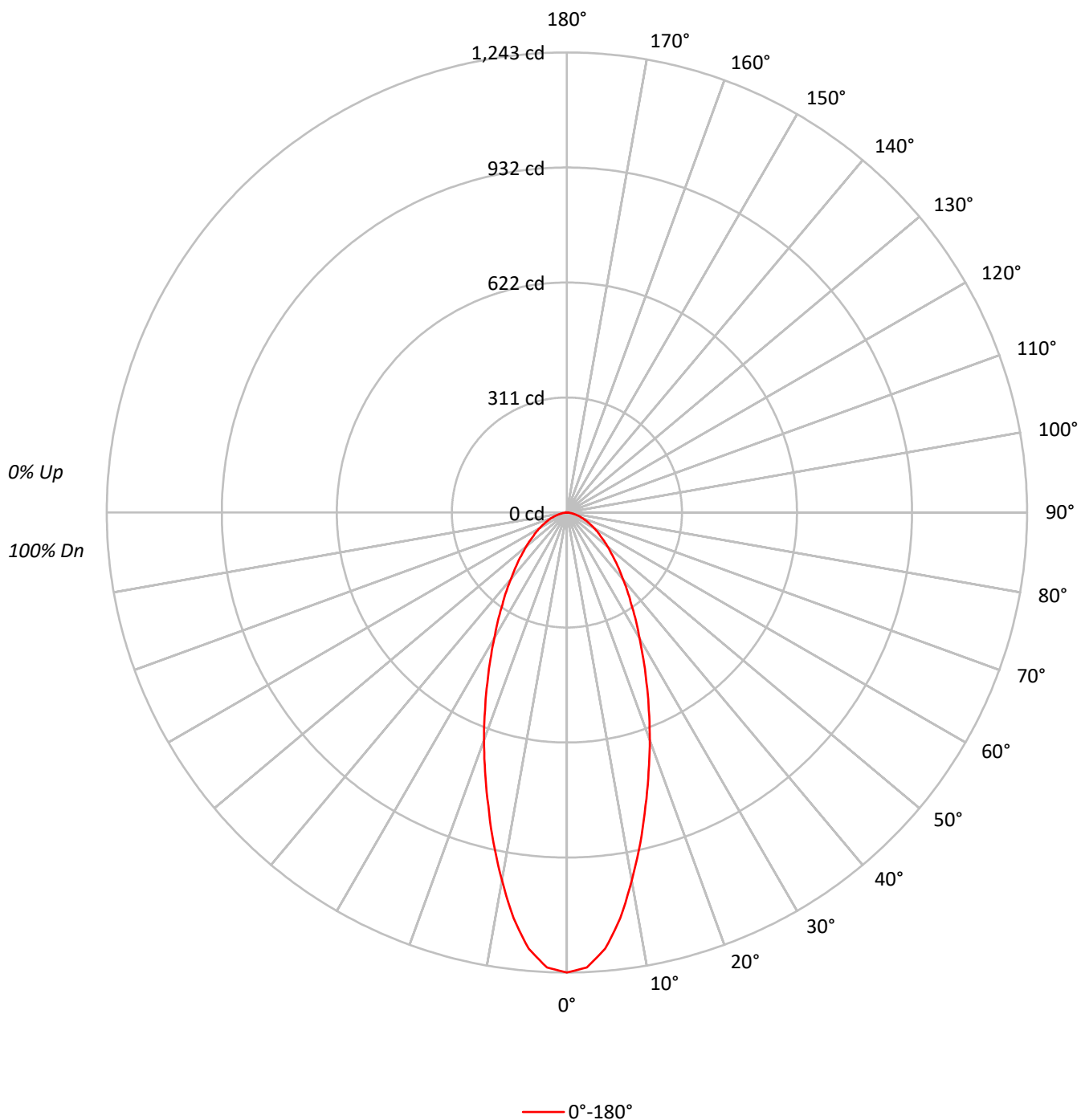
Lumens per Lamp: N/A
Luminaire Lumens: 1106.0 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1272657

CATALOG NUMBER: P3AS20R309827D010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272657

CATALOG NUMBER: P3AS20R309827D010 E3PHLD1MW

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		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60
8	71	60	53	48	70	60	53	48	58	52	48		57	52	48		56
9	68	57	50	45	66	56	49	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	272544
5°	260488
10°	224690
15°	186244
20°	152660
25°	123055
30°	99180
35°	81245
40°	67527
45°	57246
50°	48988
55°	42321
60°	37760
65°	33000
70°	28915
75°	24316
80°	18184
85°	10315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57246 cd/sqm

TEST NUMBER: P1272657

CATALOG NUMBER: P3AS20R309827D010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	9.7
10°-20°	228.8	20.7
20°-30°	234.5	21.2
30°-40°	191.7	17.3
40°-50°	143.4	13.0
50°-60°	100.7	9.1
60°-70°	63.3	5.7
70°-80°	30.5	2.8
80°-90°	5.9	0.5
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°	570.5	51.6
0°-40°	762.2	68.9
0°-60°	1006.3	91.0
0°-90°	1106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1243	
5°	1183	107
15°	820	229
25°	509	234
35°	304	192
45°	185	143
55°	111	101
65°	64	63
75°	29	31
85°	4	6
90°	0	

TEST NUMBER: P1272657

CATALOG NUMBER: P3AS20R309827D010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1242.9
2.5°	1230.6
5°	1183.4
7.5°	1105.4
10°	1009.1
12.5°	914.7
15°	820.4
17.5°	734.2
20°	654.2
22.5°	578.4
25°	508.6
27.5°	447.1
30°	391.7
32.5°	346.6
35°	303.5
37.5°	268.7
40°	235.9
42.5°	209.2
45°	184.6
47.5°	162.0
50°	143.6
52.5°	127.2
55°	110.7
57.5°	98.4
60°	86.1
62.5°	73.8
65°	63.6
67.5°	53.3
70°	45.1
72.5°	36.9
75°	28.7
77.5°	20.5
80°	14.4
82.5°	8.2
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)