

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: P1270560

Luminaire Tested: P3A20R309740D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270560
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: P3A20R309740D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

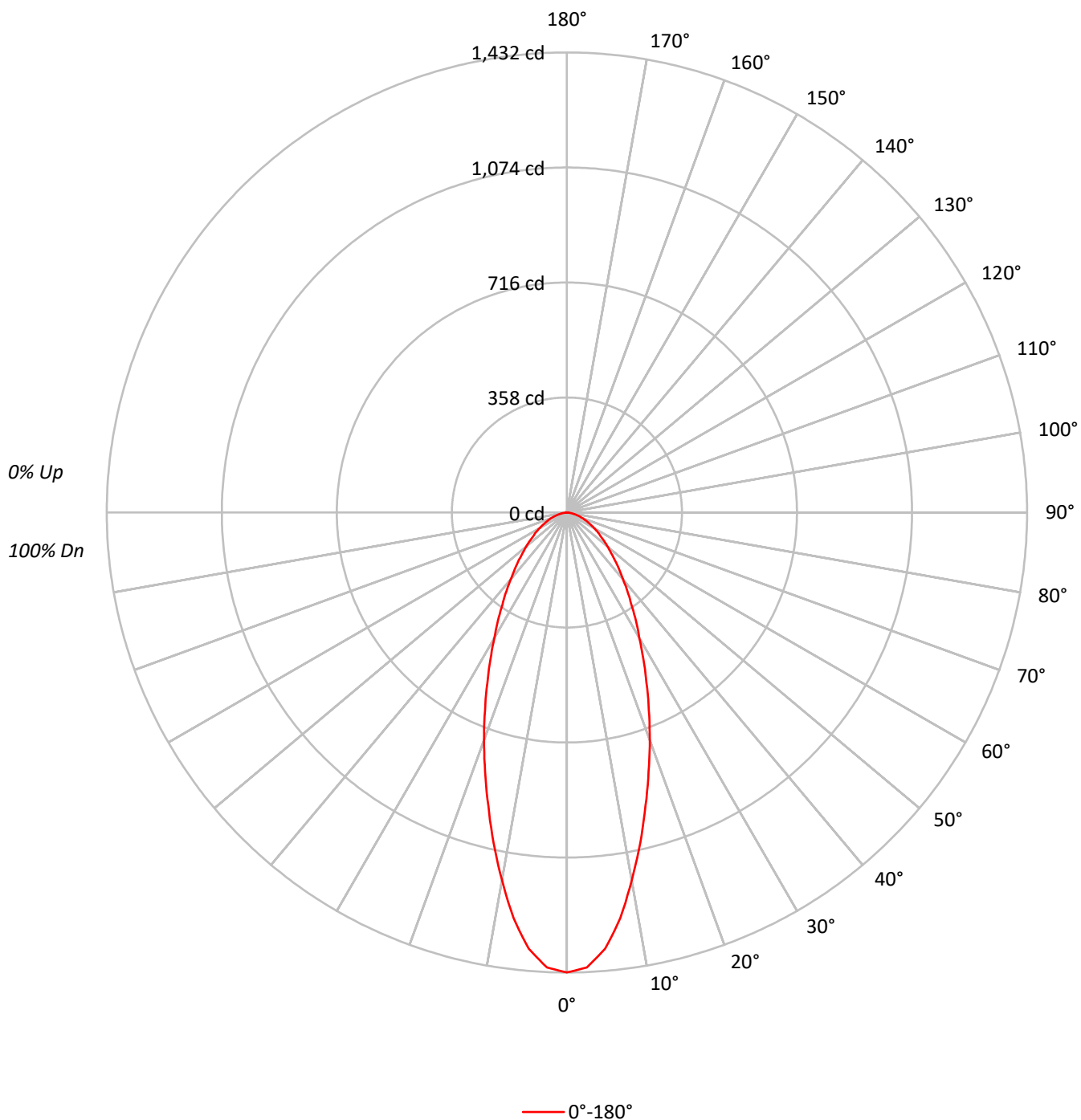
Lumens per Lamp: N/A
Luminaire Lumens: 1274.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1270560

CATALOG NUMBER: P3A20R309740D010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270560

CATALOG NUMBER: P3A20R309740D010 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°	313922
5°	300043
10°	258802
15°	214530
20°	175855
25°	141758
30°	114245
35°	93585
40°	77774
45°	65929
50°	56425
55°	48782
60°	43505
65°	37981
70°	33339
75°	28043
80°	20836
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65929 cd/sqm

TEST NUMBER: P1270560

CATALOG NUMBER: P3A20R309740D010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	9.7
10°-20°	263.5	20.7
20°-30°	270.1	21.2
30°-40°	220.8	17.3
40°-50°	165.1	13.0
50°-60°	116.0	9.1
60°-70°	73.0	5.7
70°-80°	35.2	2.8
80°-90°	6.7	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°	657.2	51.6
0°-40°	878.0	68.9
0°-60°	1159.1	91.0
0°-90°	1274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1432	
5°	1363	124
15°	945	264
25°	586	270
35°	350	221
45°	213	165
55°	128	116
65°	73	73
75°	33	35
85°	5	7
90°	0	

TEST NUMBER: P1270560

CATALOG NUMBER: P3A20R309740D010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1431.6
2.5°	1417.5
5°	1363.1
7.5°	1273.4
10°	1162.3
12.5°	1053.7
15°	945.0
17.5°	845.8
20°	753.6
22.5°	666.2
25°	585.9
27.5°	515.0
30°	451.2
32.5°	399.3
35°	349.6
37.5°	309.5
40°	271.7
42.5°	241.0
45°	212.6
47.5°	186.6
50°	165.4
52.5°	146.5
55°	127.6
57.5°	113.4
60°	99.2
62.5°	85.0
65°	73.2
67.5°	61.4
70°	52.0
72.5°	42.5
75°	33.1
77.5°	23.6
80°	16.5
82.5°	9.4
85°	4.7
87.5°	2.4
90°	0.0

(END OF REPORT)