

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: P1268181

Luminaire Tested: P3A20R309735D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268181
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: P3A20R309735D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

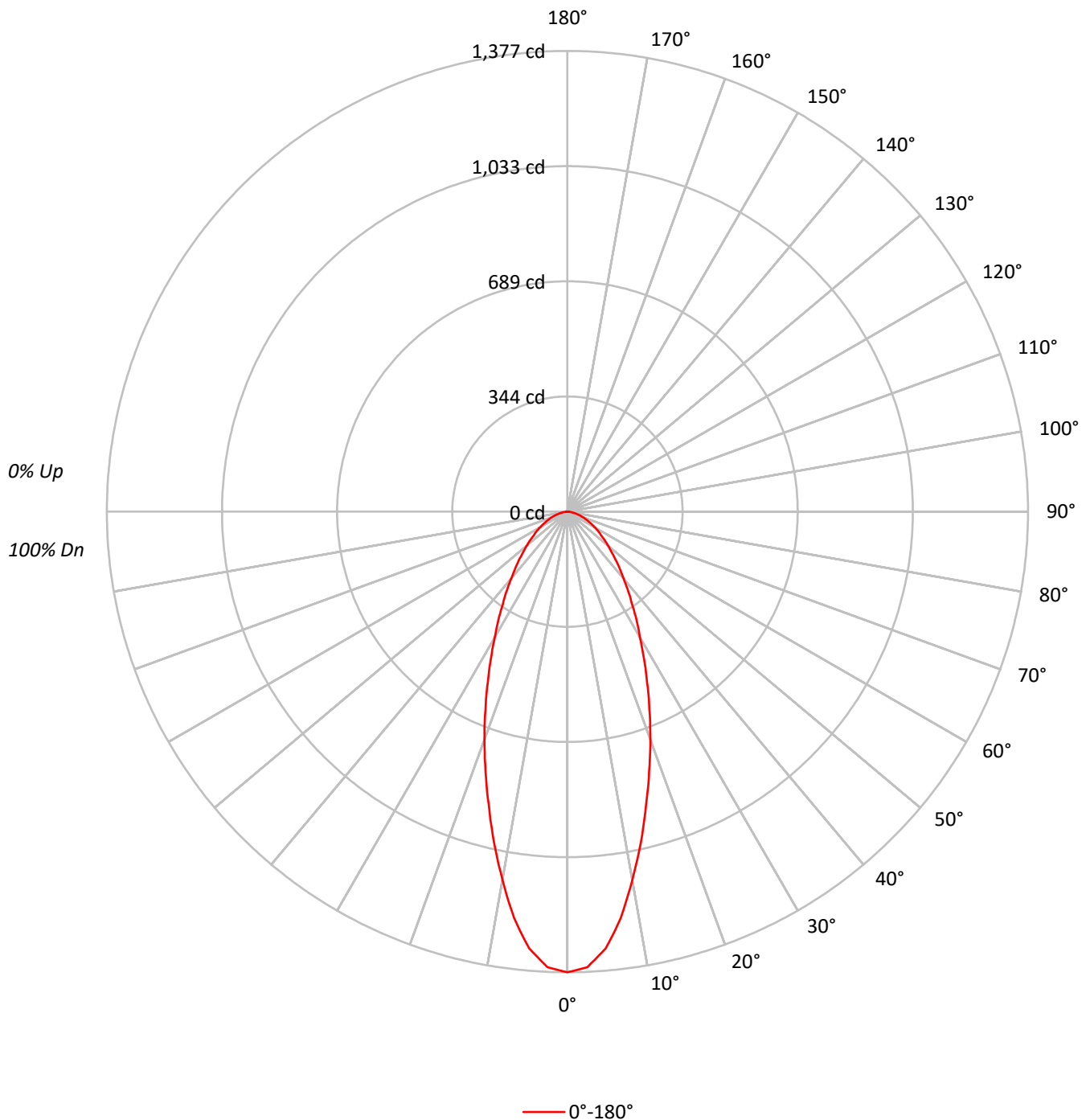
Lumens per Lamp: N/A
Luminaire Lumens: 1225.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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		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°	301862
5°	288509
10°	248849
15°	206267
20°	169088
25°	136314
30°	109865
35°	89998
40°	74769
45°	63386
50°	54241
55°	46909
60°	41839
65°	36528
70°	32057
75°	26942
80°	20078
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	9.7
10°-20°	253.4	20.7
20°-30°	259.7	21.2
30°-40°	212.3	17.3
40°-50°	158.8	13.0
50°-60°	111.5	9.1
60°-70°	70.2	5.7
70°-80°	33.8	2.8
80°-90°	6.5	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°	631.9	51.6
0°-40°	844.2	68.9
0°-60°	1114.5	91.0
0°-90°	1225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1225.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1377	
5°	1311	119
15°	909	253
25°	563	260
35°	336	212
45°	204	159
55°	123	112
65°	70	70
75°	32	34
85°	4	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1376.6
2.5°	1363.0
5°	1310.7
7.5°	1224.4
10°	1117.6
12.5°	1013.1
15°	908.6
17.5°	813.2
20°	724.6
22.5°	640.6
25°	563.4
27.5°	495.2
30°	433.9
32.5°	383.9
35°	336.2
37.5°	297.6
40°	261.2
42.5°	231.7
45°	204.4
47.5°	179.5
50°	159.0
52.5°	140.8
55°	122.7
57.5°	109.0
60°	95.4
62.5°	81.8
65°	70.4
67.5°	59.1
70°	50.0
72.5°	40.9
75°	31.8
77.5°	22.7
80°	15.9
82.5°	9.1
85°	4.5
87.5°	2.3
90°	0.0

(END OF REPORT)