

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: P1263359

Luminaire Tested: P3A20R209727D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209727D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

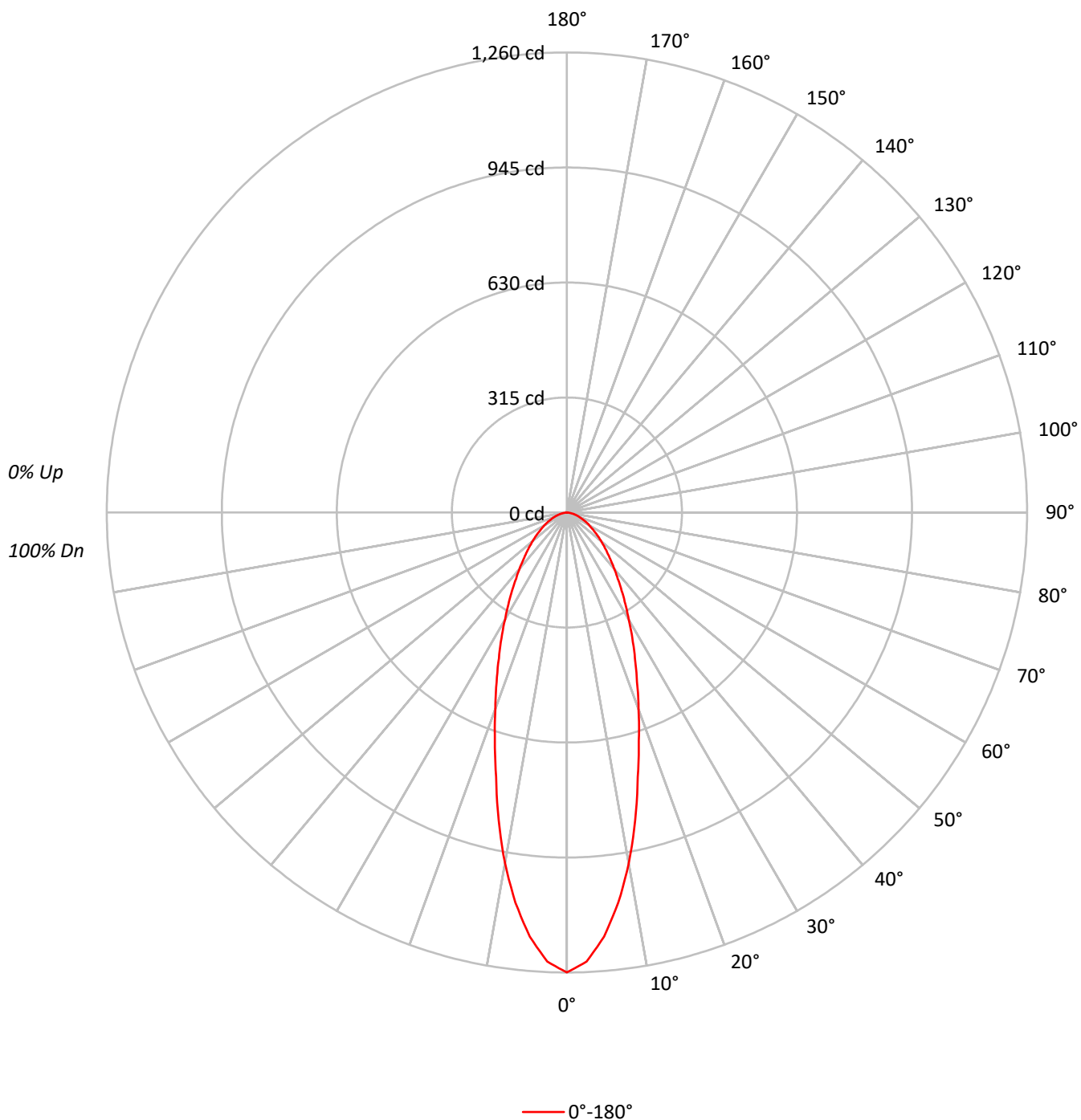
Lumens per Lamp: N/A
Luminaire Lumens: 974.0 lumens
Efficiency: N/A
Efficacy: 33.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	101	102	100	97		98	96	95		95
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	64	58	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276228
5°	256614
10°	217297
15°	170103
20°	133875
25°	106700
30°	85811
35°	69948
40°	57851
45°	48749
50°	41790
55°	35898
60°	31357
65°	27552
70°	23530
75°	20757
80°	15406
85°	10315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	10.8
10°-20°	209.8	21.5
20°-30°	203.7	20.9
30°-40°	164.6	16.9
40°-50°	122.3	12.6
50°-60°	85.0	8.7
60°-70°	53.2	5.5
70°-80°	25.8	2.7
80°-90°	4.4	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°	518.7	53.3
0°-40°	683.3	70.2
0°-60°	890.5	91.4
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1260	
5°	1166	105
15°	749	210
25°	441	204
35°	261	165
45°	157	122
55°	94	85
65°	53	53
75°	24	26
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1259.7
2.5°	1231.1
5°	1165.8
7.5°	1078.0
10°	975.9
12.5°	863.6
15°	749.3
17.5°	655.4
20°	573.7
22.5°	502.2
25°	441.0
27.5°	387.9
30°	338.9
32.5°	298.1
35°	261.3
37.5°	228.7
40°	202.1
42.5°	177.6
45°	157.2
47.5°	138.8
50°	122.5
52.5°	108.2
55°	93.9
57.5°	81.7
60°	71.5
62.5°	63.3
65°	53.1
67.5°	44.9
70°	36.7
72.5°	30.6
75°	24.5
77.5°	18.4
80°	12.2
82.5°	6.1
85°	4.1
87.5°	0.0
90°	0.0

(END OF REPORT)