

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: P1265712

Luminaire Tested: P3A20R159730D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159730D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

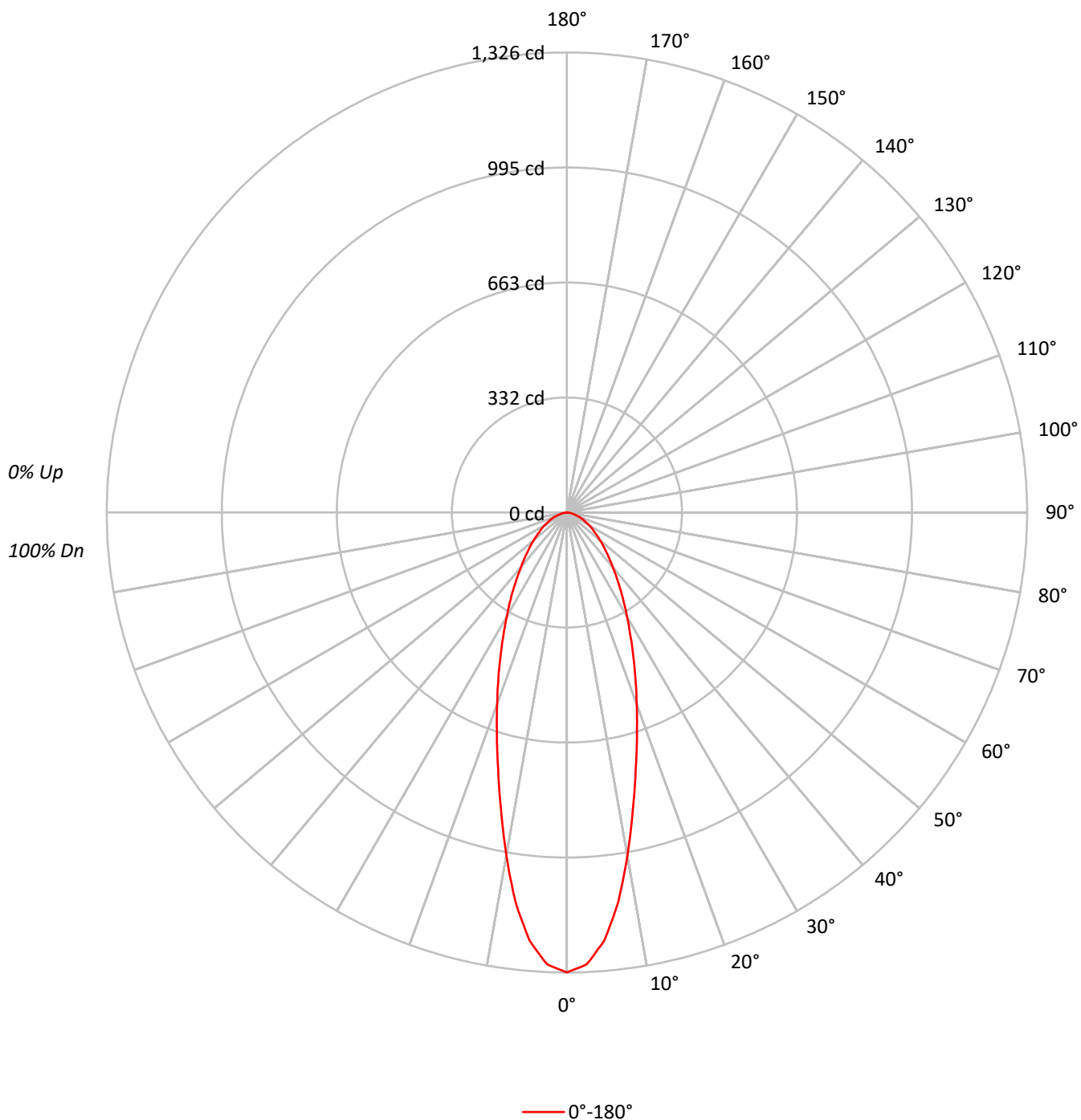
Lumens per Lamp: N/A
Luminaire Lumens: 999.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	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	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	290722
5°	272528
10°	223465
15°	173622
20°	137049
25°	109216
30°	87659
35°	71554
40°	58968
45°	49618
50°	42608
55°	36854
60°	32673
65°	28434
70°	25261
75°	20418
80°	16543
85°	11070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49618 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	11.1
10°-20°	214.2	21.4
20°-30°	208.2	20.8
30°-40°	168.3	16.8
40°-50°	124.9	12.5
50°-60°	87.3	8.7
60°-70°	54.7	5.5
70°-80°	26.0	2.6
80°-90°	4.8	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°	533.0	53.4
0°-40°	701.3	70.2
0°-60°	913.6	91.4
0°-90°	999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	999.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1326	
5°	1238	111
15°	765	214
25°	451	208
35°	267	168
45°	160	125
55°	96	87
65°	55	55
75°	24	26
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1325.8
2.5°	1303.8
5°	1238.1
7.5°	1132.9
10°	1003.6
12.5°	876.5
15°	764.8
17.5°	670.5
20°	587.3
22.5°	515.0
25°	451.4
27.5°	394.4
30°	346.2
32.5°	304.6
35°	267.3
37.5°	234.5
40°	206.0
42.5°	181.9
45°	160.0
47.5°	142.4
50°	124.9
52.5°	109.6
55°	96.4
57.5°	85.5
60°	74.5
62.5°	63.5
65°	54.8
67.5°	46.0
70°	39.4
72.5°	30.7
75°	24.1
77.5°	17.5
80°	13.1
82.5°	6.6
85°	4.4
87.5°	0.0
90°	0.0

(END OF REPORT)