

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: P1247541

Luminaire Tested: P3A20R159024D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247541
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: P3A20R159024D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

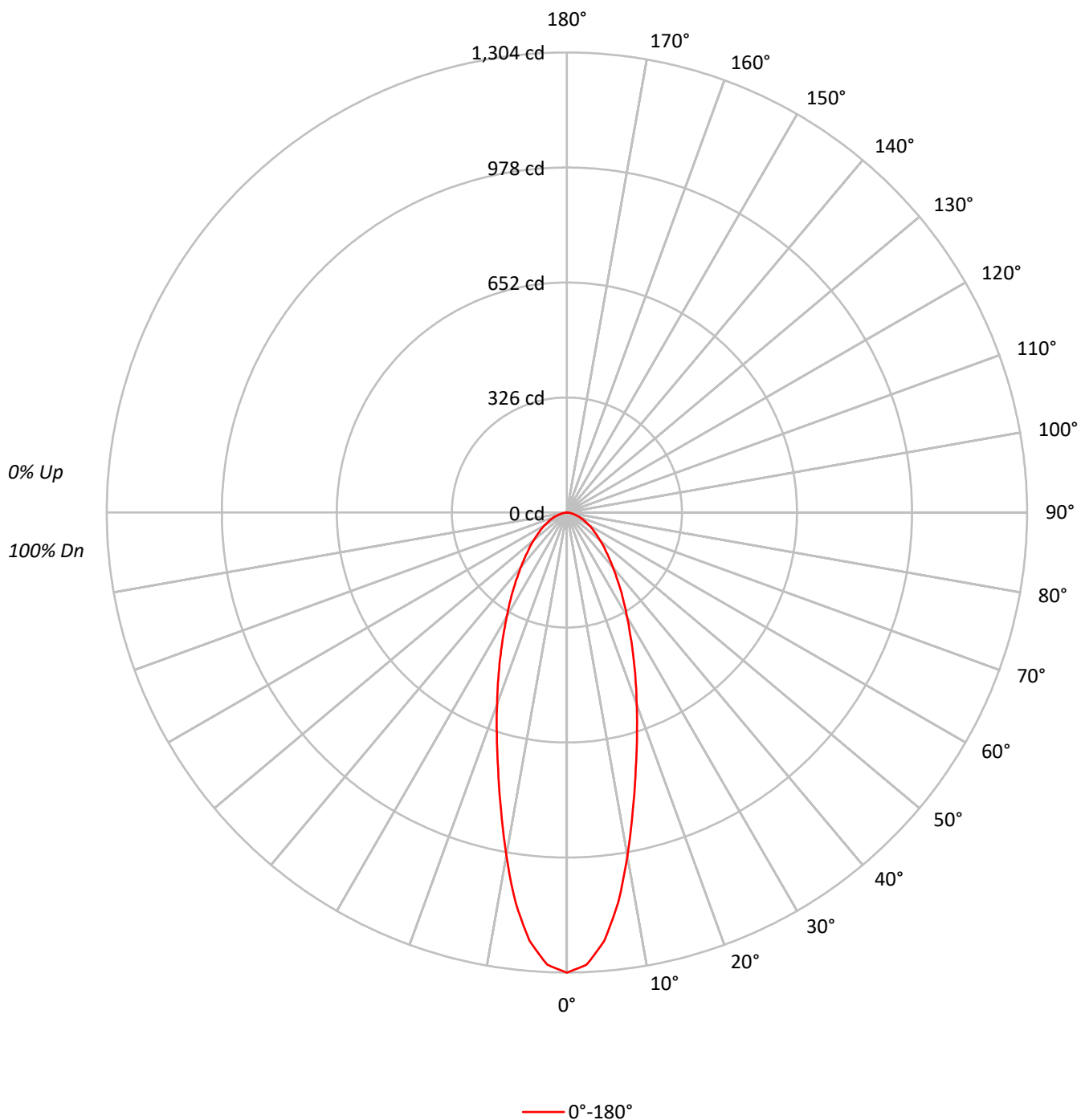
Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 34.1 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	286052
5°	268170
10°	219902
15°	170830
20°	134855
25°	107474
30°	86266
35°	70430
40°	58023
45°	48811
50°	41926
55°	36281
60°	32147
65°	27967
70°	24876
75°	20079
80°	16290
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	11.1
10°-20°	210.8	21.4
20°-30°	204.9	20.8
30°-40°	165.6	16.8
40°-50°	123.0	12.5
50°-60°	85.9	8.7
60°-70°	53.8	5.5
70°-80°	25.5	2.6
80°-90°	4.7	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°	524.5	53.4
0°-40°	690.1	70.2
0°-60°	898.9	91.5
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1304	
5°	1218	109
15°	752	211
25°	444	205
35°	263	166
45°	157	123
55°	95	86
65°	54	54
75°	24	26
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1304.5
2.5°	1283.0
5°	1218.3
7.5°	1114.8
10°	987.6
12.5°	862.5
15°	752.5
17.5°	659.8
20°	577.9
22.5°	506.7
25°	444.2
27.5°	388.1
30°	340.7
32.5°	299.7
35°	263.1
37.5°	230.7
40°	202.7
42.5°	179.0
45°	157.4
47.5°	140.2
50°	122.9
52.5°	107.8
55°	94.9
57.5°	84.1
60°	73.3
62.5°	62.5
65°	53.9
67.5°	45.3
70°	38.8
72.5°	30.2
75°	23.7
77.5°	17.2
80°	12.9
82.5°	6.5
85°	4.3
87.5°	0.0
90°	0.0

(END OF REPORT)