

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: P1274637

Luminaire Tested: P3AS20R159830D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274637
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: P3AS20R159830D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

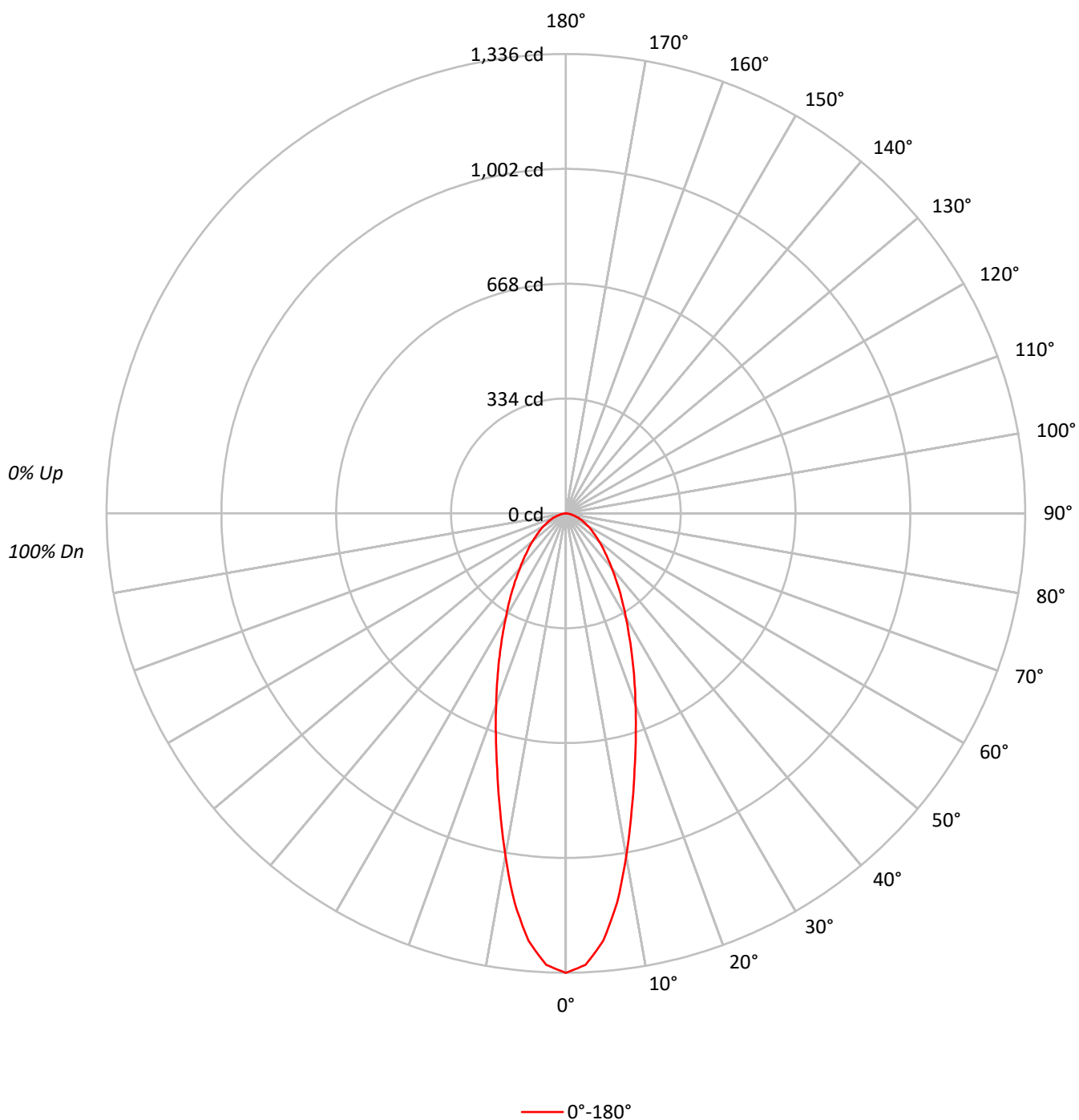
Lumens per Lamp: N/A
Luminaire Lumens: 1007.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	293047
5°	274708
10°	225269
15°	175007
20°	138145
25°	110087
30°	88368
35°	72143
40°	59426
45°	49990
50°	42950
55°	37160
60°	32936
65°	28641
70°	25517
75°	20588
80°	16795
85°	11070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49990 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	11.1
10°-20°	215.9	21.4
20°-30°	209.9	20.8
30°-40°	169.6	16.8
40°-50°	125.9	12.5
50°-60°	88.0	8.7
60°-70°	55.2	5.5
70°-80°	26.2	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°	537.3	53.4
0°-40°	706.9	70.2
0°-60°	920.8	91.4
0°-90°	1007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1336	
5°	1248	111
15°	771	216
25°	455	210
35°	270	170
45°	161	126
55°	97	88
65°	55	55
75°	24	26
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1336.4
2.5°	1314.3
5°	1248.0
7.5°	1142.0
10°	1011.7
12.5°	883.6
15°	770.9
17.5°	675.9
20°	592.0
22.5°	519.1
25°	455.0
27.5°	397.6
30°	349.0
32.5°	307.0
35°	269.5
37.5°	236.4
40°	207.6
42.5°	183.3
45°	161.2
47.5°	143.6
50°	125.9
52.5°	110.4
55°	97.2
57.5°	86.1
60°	75.1
62.5°	64.1
65°	55.2
67.5°	46.4
70°	39.8
72.5°	30.9
75°	24.3
77.5°	17.7
80°	13.3
82.5°	6.6
85°	4.4
87.5°	0.0
90°	0.0

(END OF REPORT)