

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: P1270470

Luminaire Tested: P3A20R159740D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270470
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: P3A20R159740D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

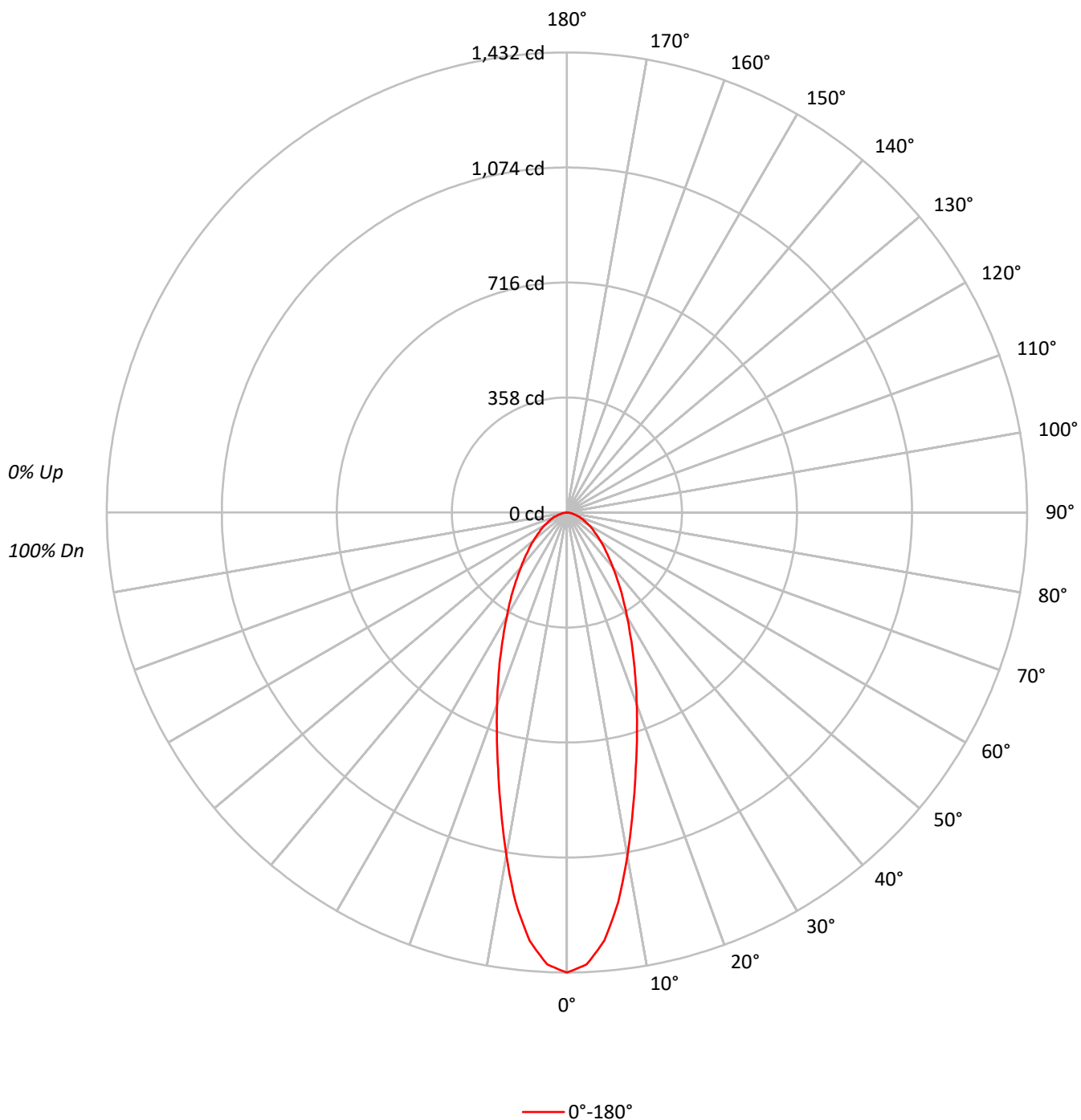
Lumens per Lamp: N/A
Luminaire Lumens: 1078.9 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102		109	106	103	101		102	100	97		98	96	95		95	93	92
2	104	98	93	89		102	97	92	88		93	89	86		90	87	84		87	85	82
3	98	90	84	79		96	88	83	78		85	81	77		83	79	75		81	77	74
4	92	82	76	70		90	81	75	70		79	73	69		77	72	68		75	71	67
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	71	63	58		79	70	63	58		68	62	58		67	61	57		65	60	57
7	77	66	59	54		75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	47		68	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	44		64	54	48	44		53	47	43		52	47	43		52	47	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313988
5°	294364
10°	241367
15°	187515
20°	148016
25°	117975
30°	94698
35°	77310
40°	63691
45°	53587
50°	46020
55°	39798
60°	35304
65°	30717
70°	27312
75°	22028
80°	17932
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	11.1
10°-20°	231.4	21.4
20°-30°	224.9	20.8
30°-40°	181.8	16.8
40°-50°	134.9	12.5
50°-60°	94.3	8.7
60°-70°	59.1	5.5
70°-80°	28.0	2.6
80°-90°	5.1	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°	575.7	53.4
0°-40°	757.5	70.2
0°-60°	986.7	91.5
0°-90°	1078.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1078.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1432	
5°	1337	119
15°	826	231
25°	488	225
35°	289	182
45°	173	135
55°	104	94
65°	59	59
75°	26	28
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1431.9
2.5°	1408.3
5°	1337.3
7.5°	1223.6
10°	1084.0
12.5°	946.7
15°	826.0
17.5°	724.2
20°	634.3
22.5°	556.2
25°	487.6
27.5°	426.0
30°	374.0
32.5°	329.0
35°	288.8
37.5°	253.2
40°	222.5
42.5°	196.4
45°	172.8
47.5°	153.8
50°	134.9
52.5°	118.3
55°	104.1
57.5°	92.3
60°	80.5
62.5°	68.6
65°	59.2
67.5°	49.7
70°	42.6
72.5°	33.1
75°	26.0
77.5°	18.9
80°	14.2
82.5°	7.1
85°	4.7
87.5°	0.0
90°	0.0

(END OF REPORT)