

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: P1270092

Luminaire Tested: P3A17R159740DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270092  
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: P3A17R159740DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

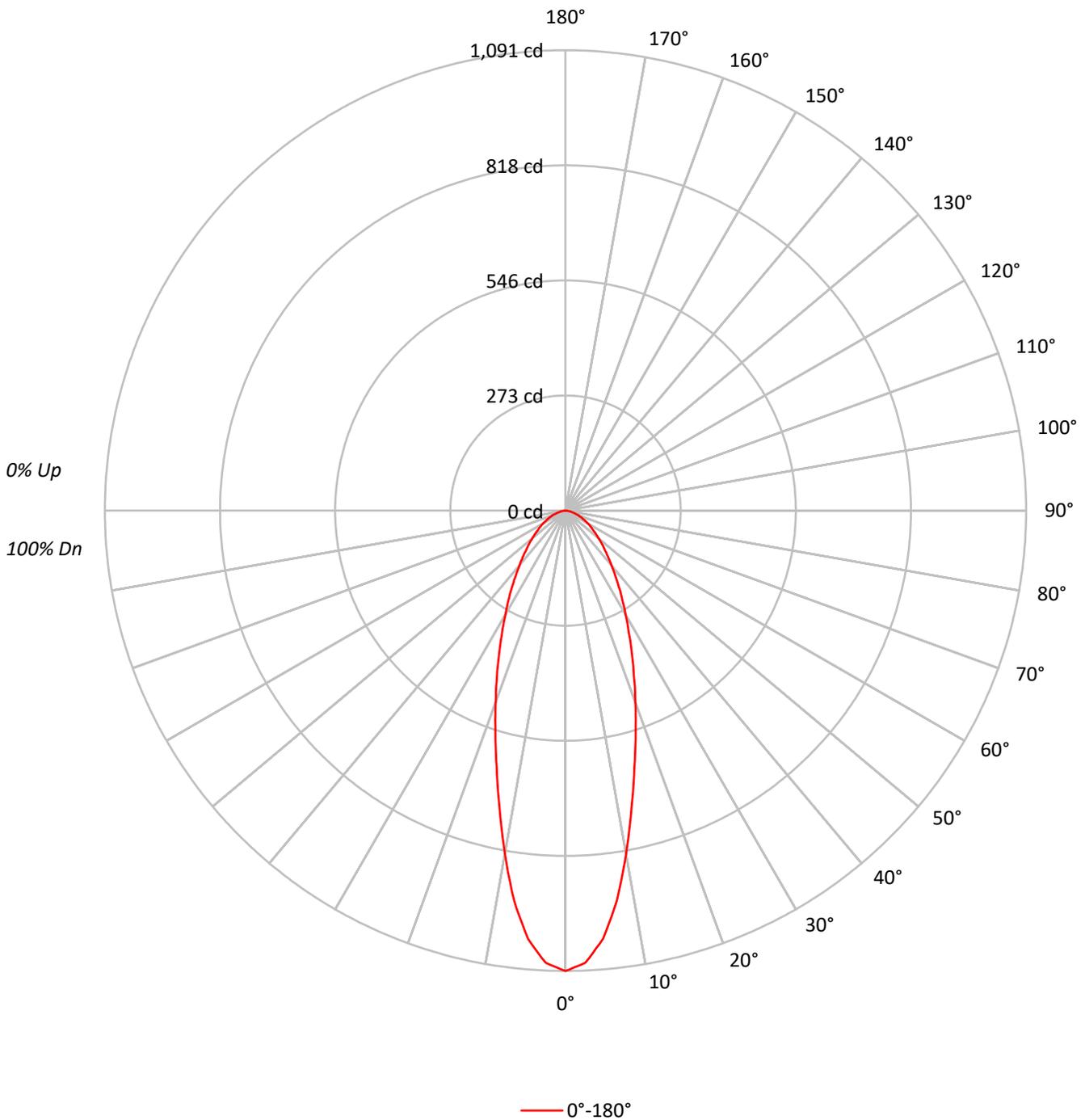
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 822.0 lumens  
Efficiency: N/A  
Efficacy: 38.8 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): 21.2  
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42	42	42	42

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	239213
5°	224235
10°	183875
15°	142861
20°	112756
25°	89860
30°	72138
35°	58892
40°	48519
45°	40810
50°	35069
55°	30317
60°	26884
65°	23401
70°	20837
75°	16775
80°	13638
85°	9057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 40810 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.0	11.1
10°-20°	176.3	21.4
20°-30°	171.3	20.8
30°-40°	138.5	16.8
40°-50°	102.8	12.5
50°-60°	71.8	8.7
60°-70°	45.0	5.5
70°-80°	21.4	2.6
80°-90°	3.9	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°	438.6	53.4
0°-40°	577.0	70.2
0°-60°	751.7	91.4
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1091	
5°	1019	91
15°	629	176
25°	371	171
35°	220	138
45°	132	103
55°	79	72
65°	45	45
75°	20	21
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1090.9
2.5°	1072.8
5°	1018.7
7.5°	932.2
10°	825.8
12.5°	721.2
15°	629.3
17.5°	551.7
20°	483.2
22.5°	423.7
25°	371.4
27.5°	324.6
30°	284.9
32.5°	250.6
35°	220.0
37.5°	192.9
40°	169.5
42.5°	149.7
45°	131.6
47.5°	117.2
50°	102.8
52.5°	90.2
55°	79.3
57.5°	70.3
60°	61.3
62.5°	52.3
65°	45.1
67.5°	37.9
70°	32.5
72.5°	25.2
75°	19.8
77.5°	14.4
80°	10.8
82.5°	5.4
85°	3.6
87.5°	0.0
90°	0.0

(END OF REPORT)