

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: P1268573

Luminaire Tested: P3A02R209740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R209740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

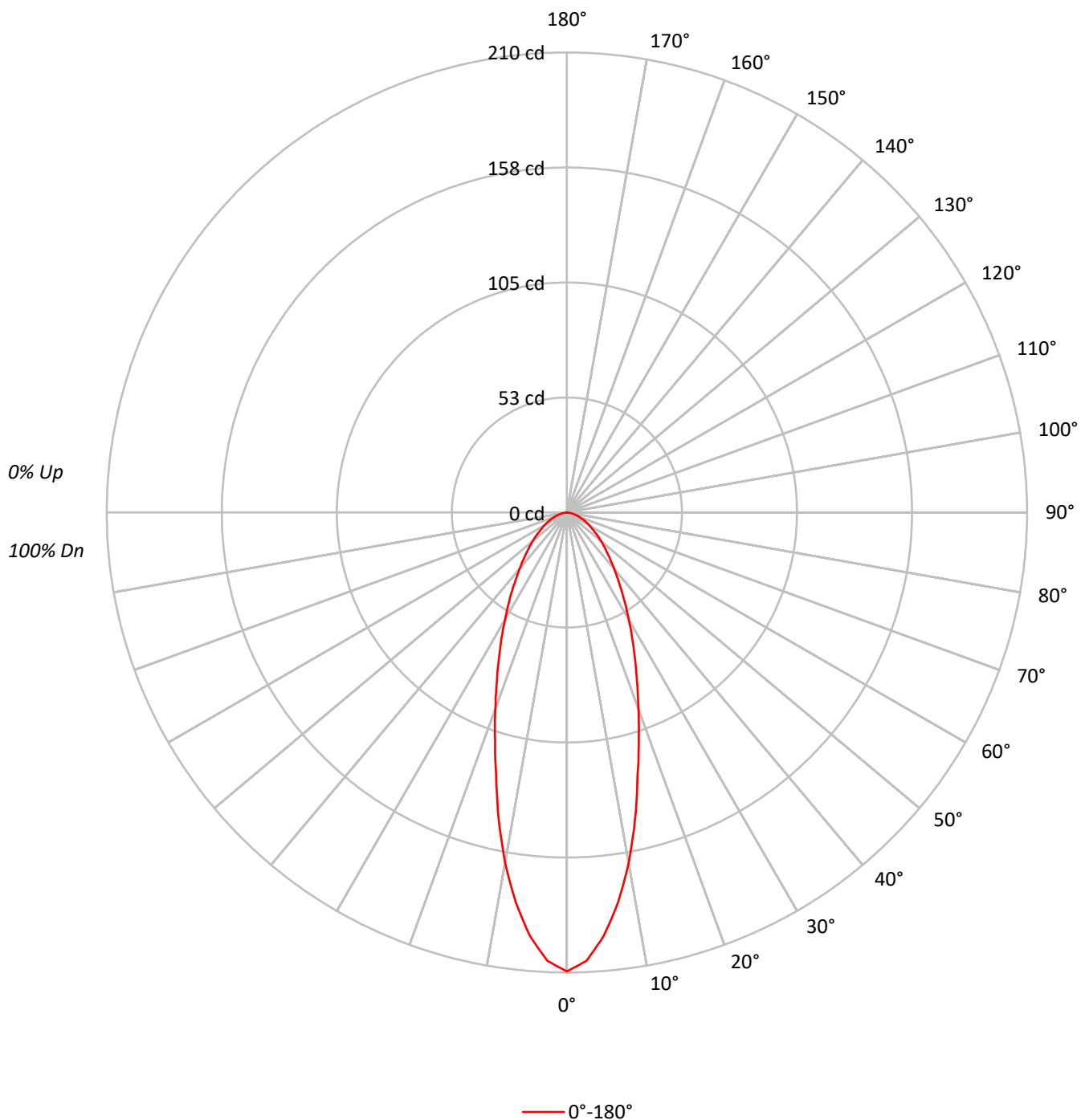
Lumens per Lamp: N/A
Luminaire Lumens: 162.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80		
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55		
7	76	66	59	54	75	65	58	53	63	58	53	62	57	53	61	56	53	51		
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45939
5°	42681
10°	36138
15°	28286
20°	22262
25°	17735
30°	14281
35°	11645
40°	9618
45°	8094
50°	6959
55°	5964
60°	5219
65°	4566
70°	3911
75°	3474
80°	2526
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	10.8
10°-20°	34.9	21.5
20°-30°	33.9	20.9
30°-40°	27.4	16.9
40°-50°	20.3	12.5
50°-60°	14.1	8.7
60°-70°	8.8	5.5
70°-80°	4.3	2.7
80°-90°	0.7	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°	86.3	53.3
0°-40°	113.6	70.2
0°-60°	148.1	91.4
0°-90°	162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	162.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	210	
5°	194	18
15°	125	35
25°	73	34
35°	44	27
45°	26	20
55°	16	14
65°	9	9
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	209.5
2.5°	204.8
5°	193.9
7.5°	179.3
10°	162.3
12.5°	143.6
15°	124.6
17.5°	109.0
20°	95.4
22.5°	83.5
25°	73.3
27.5°	64.5
30°	56.4
32.5°	49.6
35°	43.5
37.5°	38.0
40°	33.6
42.5°	29.5
45°	26.1
47.5°	23.1
50°	20.4
52.5°	18.0
55°	15.6
57.5°	13.6
60°	11.9
62.5°	10.5
65°	8.8
67.5°	7.5
70°	6.1
72.5°	5.1
75°	4.1
77.5°	3.1
80°	2.0
82.5°	1.0
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)