

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: P1268958

Luminaire Tested: P3A05R159740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268958
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: P3A05R159740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

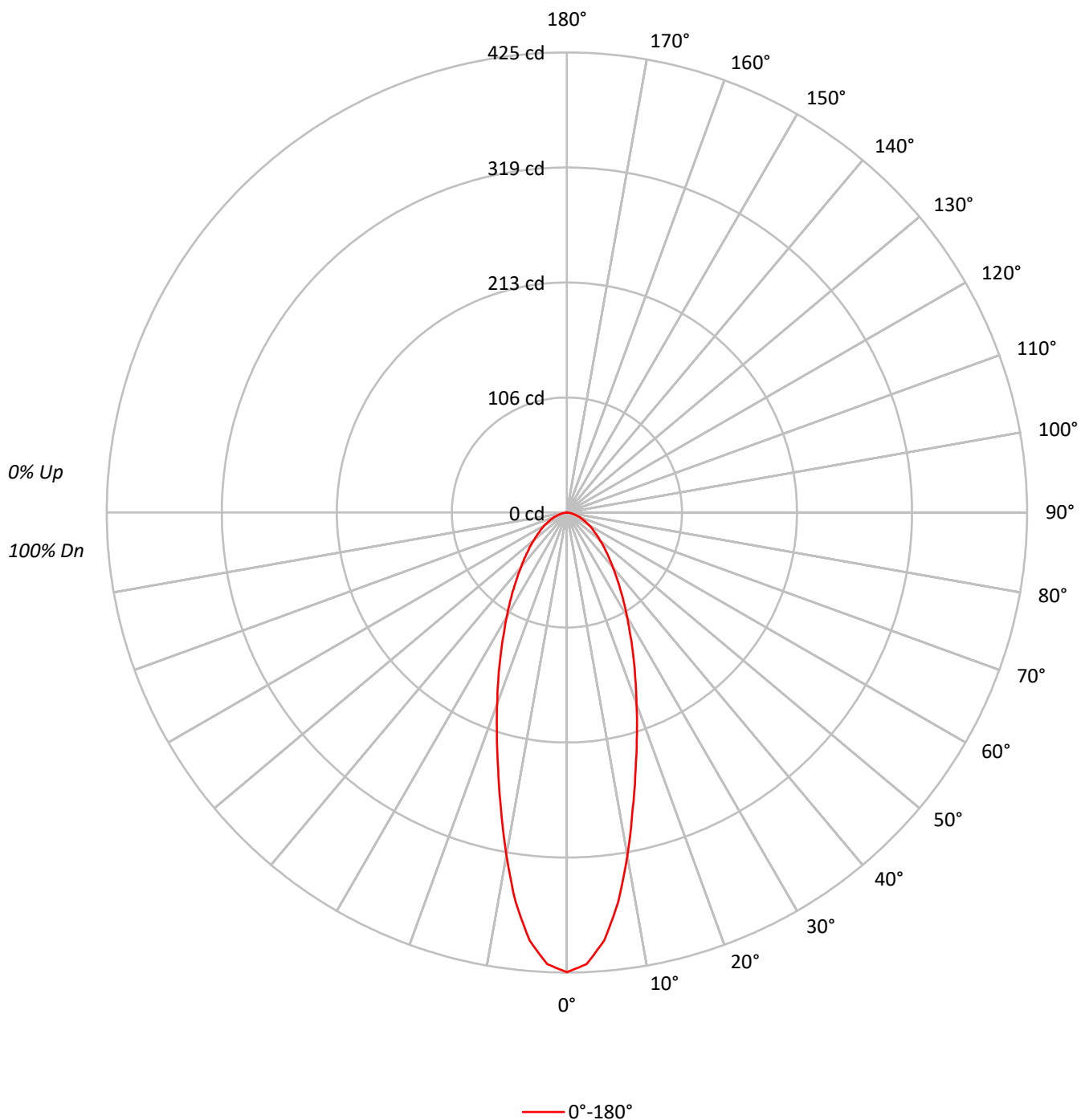
Lumens per Lamp: N/A
Luminaire Lumens: 320.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	0
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	97	92	88	93	89	86		90	87	84		87	85	82	80
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	92	82	76	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	71	63	58	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54	49	46	44
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93129
5°	87299
10°	71586
15°	55619
20°	43894
25°	34986
30°	28080
35°	22914
40°	18893
45°	15878
50°	13646
55°	11813
60°	10482
65°	9080
70°	8078
75°	6524
80°	5304
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15878 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	11.1
10°-20°	68.6	21.4
20°-30°	66.7	20.8
30°-40°	53.9	16.8
40°-50°	40.0	12.5
50°-60°	28.0	8.7
60°-70°	17.5	5.5
70°-80°	8.3	2.6
80°-90°	1.5	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°	170.7	53.4
0°-40°	224.6	70.2
0°-60°	292.6	91.5
0°-90°	320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	425	
5°	397	35
15°	245	69
25°	145	67
35°	86	54
45°	51	40
55°	31	28
65°	18	18
75°	8	8
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	424.7
2.5°	417.6
5°	396.6
7.5°	362.9
10°	321.5
12.5°	280.8
15°	245.0
17.5°	214.8
20°	188.1
22.5°	165.0
25°	144.6
27.5°	126.3
30°	110.9
32.5°	97.6
35°	85.6
37.5°	75.1
40°	66.0
42.5°	58.3
45°	51.2
47.5°	45.6
50°	40.0
52.5°	35.1
55°	30.9
57.5°	27.4
60°	23.9
62.5°	20.4
65°	17.5
67.5°	14.7
70°	12.6
72.5°	9.8
75°	7.7
77.5°	5.6
80°	4.2
82.5°	2.1
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)