

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: P1268893

Luminaire Tested: P3A05R109740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268893
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: P3A05R109740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

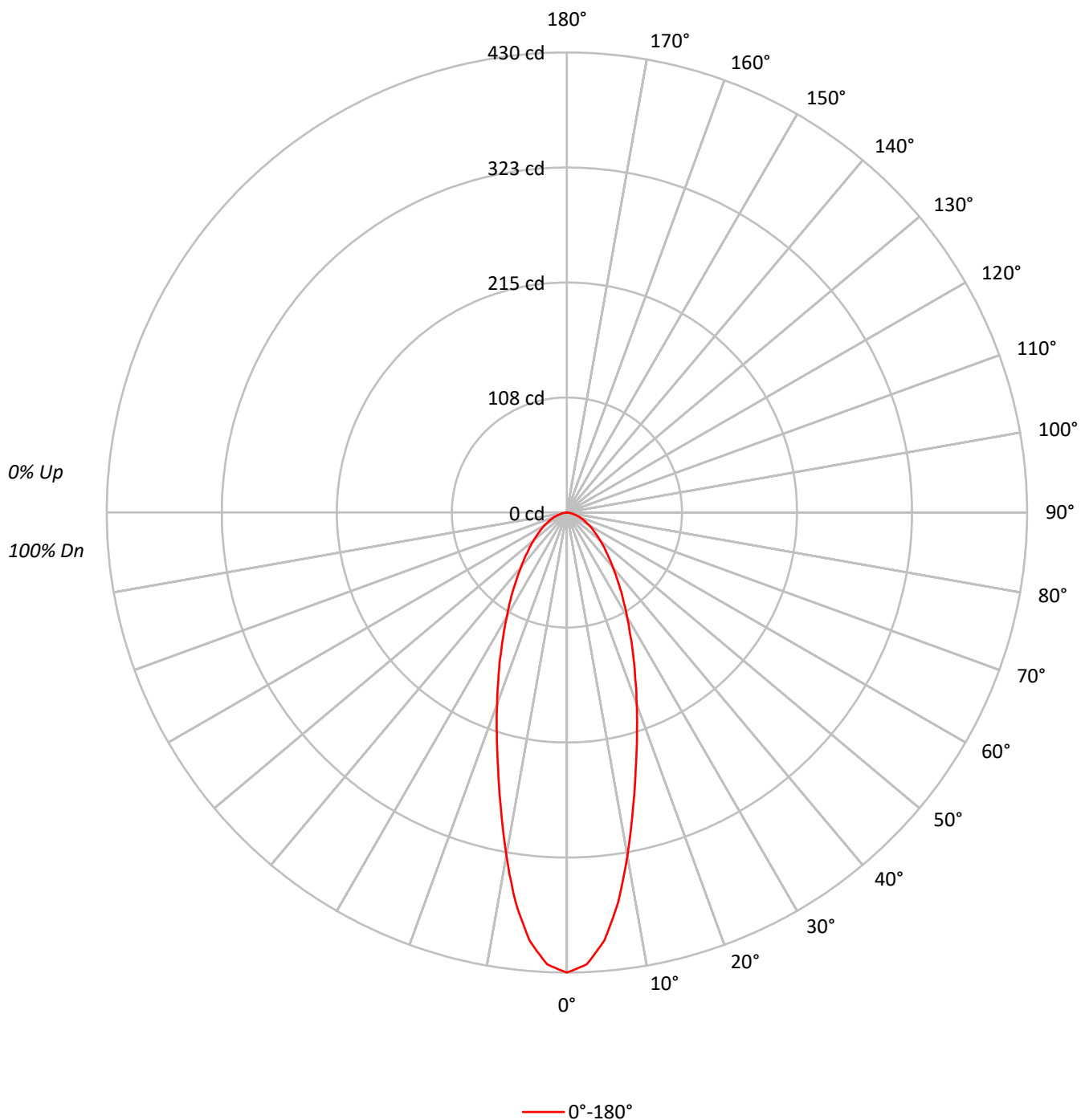
Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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

TEST NUMBER: P1268893

CATALOG NUMBER: P3A05R109740DE010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1268893

CATALOG NUMBER: P3A05R109740DE010 E3PHLD1MW

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°	94291
5°	88377
10°	72477
15°	56300
20°	44454
25°	35421
30°	28435
35°	23209
40°	19122
45°	16095
50°	13816
55°	11966
60°	10613
65°	9236
70°	8207
75°	6608
80°	5430
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16095 cd/sqm

TEST NUMBER: P1268893

CATALOG NUMBER: P3A05R109740DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	11.1
10°-20°	69.5	21.4
20°-30°	67.5	20.8
30°-40°	54.6	16.8
40°-50°	40.5	12.5
50°-60°	28.3	8.7
60°-70°	17.7	5.5
70°-80°	8.4	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°	172.9	53.4
0°-40°	227.4	70.2
0°-60°	296.3	91.5
0°-90°	324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	430	
5°	402	36
15°	248	69
25°	146	68
35°	87	55
45°	52	41
55°	31	28
65°	18	18
75°	8	8
85°	1	2
90°	0	

TEST NUMBER: P1268893

CATALOG NUMBER: P3A05R109740DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	430.0
2.5°	422.9
5°	401.5
7.5°	367.4
10°	325.5
12.5°	284.3
15°	248.0
17.5°	217.5
20°	190.5
22.5°	167.0
25°	146.4
27.5°	127.9
30°	112.3
32.5°	98.8
35°	86.7
37.5°	76.0
40°	66.8
42.5°	59.0
45°	51.9
47.5°	46.2
50°	40.5
52.5°	35.5
55°	31.3
57.5°	27.7
60°	24.2
62.5°	20.6
65°	17.8
67.5°	14.9
70°	12.8
72.5°	9.9
75°	7.8
77.5°	5.7
80°	4.3
82.5°	2.1
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)