

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: P1273257

Luminaire Tested: P3A05R159830DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273257
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: P3A05R159830DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

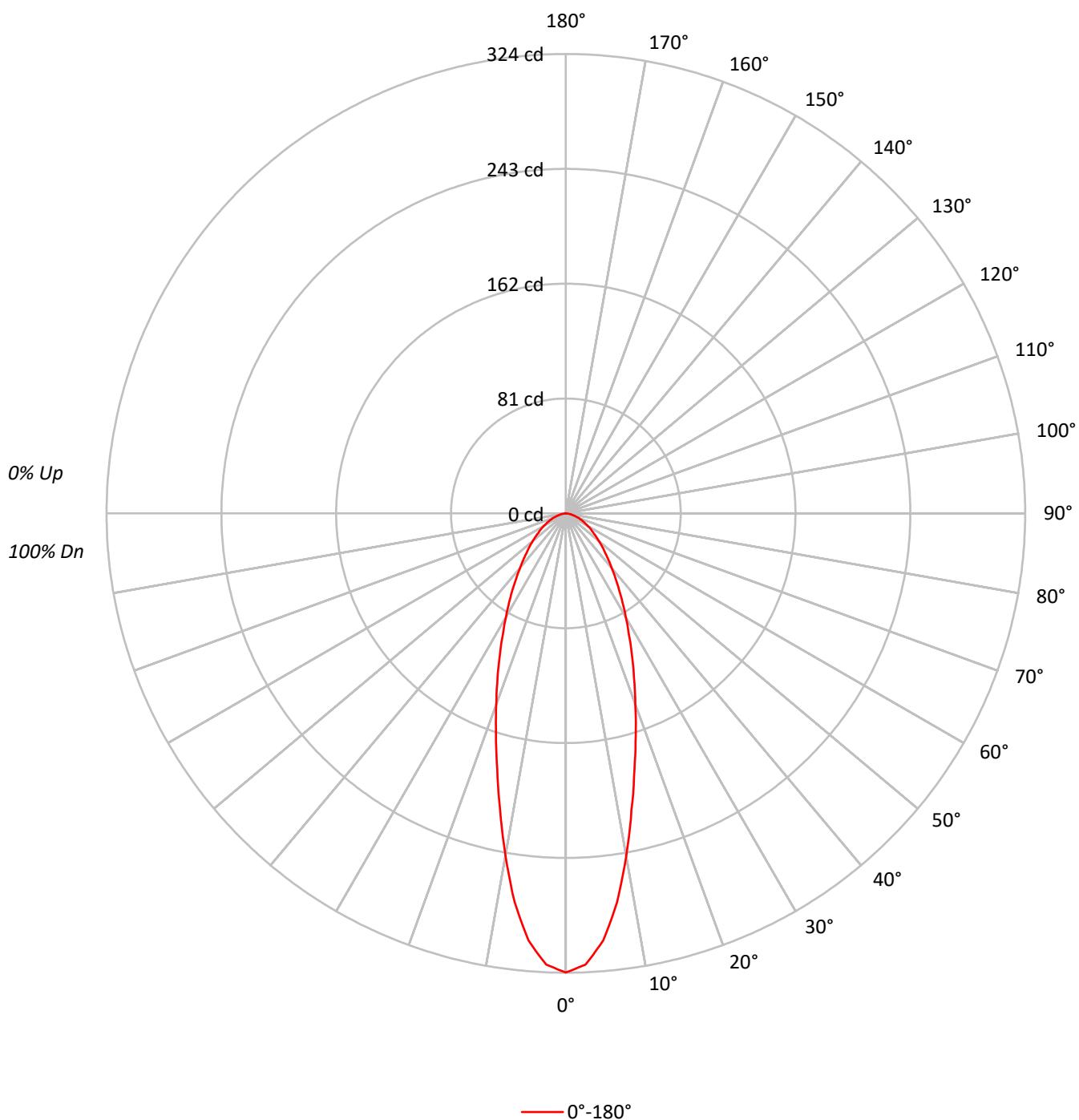
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1273257

CATALOG NUMBER: P3A05R159830DE010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1273257

CATALOG NUMBER: P3A05R159830DE010 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°	71003
5°	66564
10°	54575
15°	42407
20°	33463
25°	26687
30°	21421
35°	17480
40°	14398
45°	12125
50°	10405
55°	8984
60°	7982
65°	6953
70°	6155
75°	4999
80°	4041
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12125 cd/sqm

TEST NUMBER: P1273257

CATALOG NUMBER: P3A05R159830DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	11.1
10°-20°	52.3	21.4
20°-30°	50.9	20.8
30°-40°	41.1	16.8
40°-50°	30.5	12.5
50°-60°	21.3	8.7
60°-70°	13.3	5.5
70°-80°	6.3	2.6
80°-90°	1.2	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°	130.2	53.4
0°-40°	171.3	70.2
0°-60°	223.1	91.4
0°-90°	244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	324	
5°	302	27
15°	187	52
25°	110	51
35°	65	41
45°	39	31
55°	24	21
65°	13	13
75°	6	6
85°	1	1
90°	0	

TEST NUMBER: P1273257

CATALOG NUMBER: P3A05R159830DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	323.8
2.5°	318.5
5°	302.4
7.5°	276.7
10°	245.1
12.5°	214.1
15°	186.8
17.5°	163.8
20°	143.4
22.5°	125.8
25°	110.3
27.5°	96.3
30°	84.6
32.5°	74.4
35°	65.3
37.5°	57.3
40°	50.3
42.5°	44.4
45°	39.1
47.5°	34.8
50°	30.5
52.5°	26.8
55°	23.5
57.5°	20.9
60°	18.2
62.5°	15.5
65°	13.4
67.5°	11.2
70°	9.6
72.5°	7.5
75°	5.9
77.5°	4.3
80°	3.2
82.5°	1.6
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)