

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: P1249558

Luminaire Tested: P3AS17R159027DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249558
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: P3AS17R159027DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

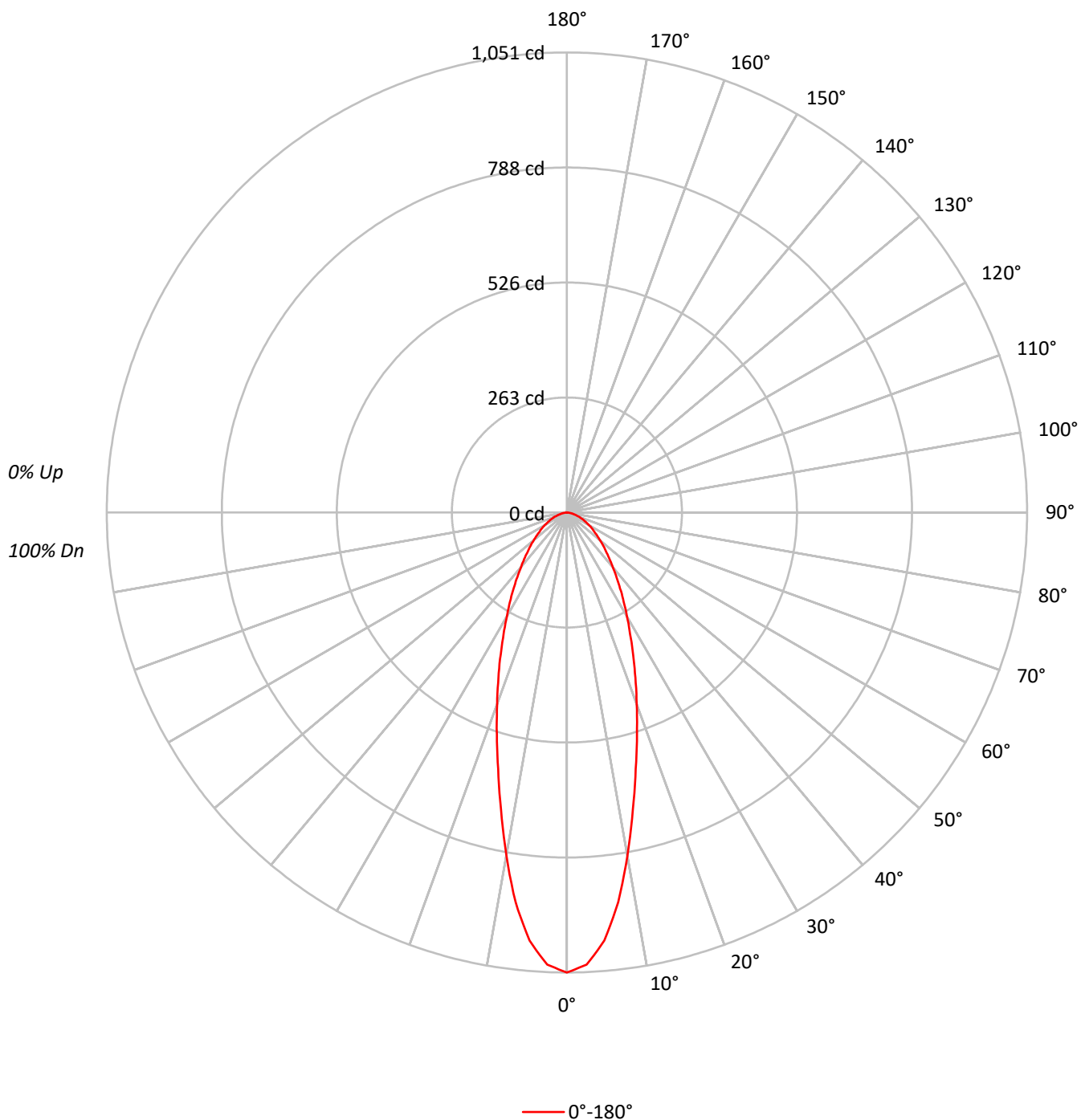
Lumens per Lamp: N/A
Luminaire Lumens: 792.0 lumens
Efficiency: N/A
Efficacy: 37.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1249558

CATALOG NUMBER: P3AS17R159027DE010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1249558

CATALOG NUMBER: P3AS17R159027DE010 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°	230464
5°	216068
10°	177173
15°	137640
20°	108649
25°	86594
30°	69504
35°	56724
40°	46745
45°	39322
50°	33773
55°	29208
60°	25919
65°	22519
70°	20067
75°	16182
80°	13133
85°	8806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39322 cd/sqm

TEST NUMBER: P1249558

CATALOG NUMBER: P3AS17R159027DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	11.1
10°-20°	169.8	21.4
20°-30°	165.1	20.8
30°-40°	133.4	16.8
40°-50°	99.0	12.5
50°-60°	69.2	8.7
60°-70°	43.4	5.5
70°-80°	20.6	2.6
80°-90°	3.8	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°	422.6	53.4
0°-40°	556.0	70.2
0°-60°	724.3	91.4
0°-90°	792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	792.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1051	
5°	982	88
15°	606	170
25°	358	165
35°	212	133
45°	127	99
55°	76	69
65°	43	43
75°	19	21
85°	4	4
90°	0	

TEST NUMBER: P1249558

CATALOG NUMBER: P3AS17R159027DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1051.0
2.5°	1033.7
5°	981.6
7.5°	898.2
10°	795.7
12.5°	694.9
15°	606.3
17.5°	531.6
20°	465.6
22.5°	408.3
25°	357.9
27.5°	312.7
30°	274.5
32.5°	241.5
35°	211.9
37.5°	185.9
40°	163.3
42.5°	144.2
45°	126.8
47.5°	112.9
50°	99.0
52.5°	86.9
55°	76.4
57.5°	67.8
60°	59.1
62.5°	50.4
65°	43.4
67.5°	36.5
70°	31.3
72.5°	24.3
75°	19.1
77.5°	13.9
80°	10.4
82.5°	5.2
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)