

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: P1249182

Luminaire Tested: P3AS13R159027DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249182
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: P3AS13R159027DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

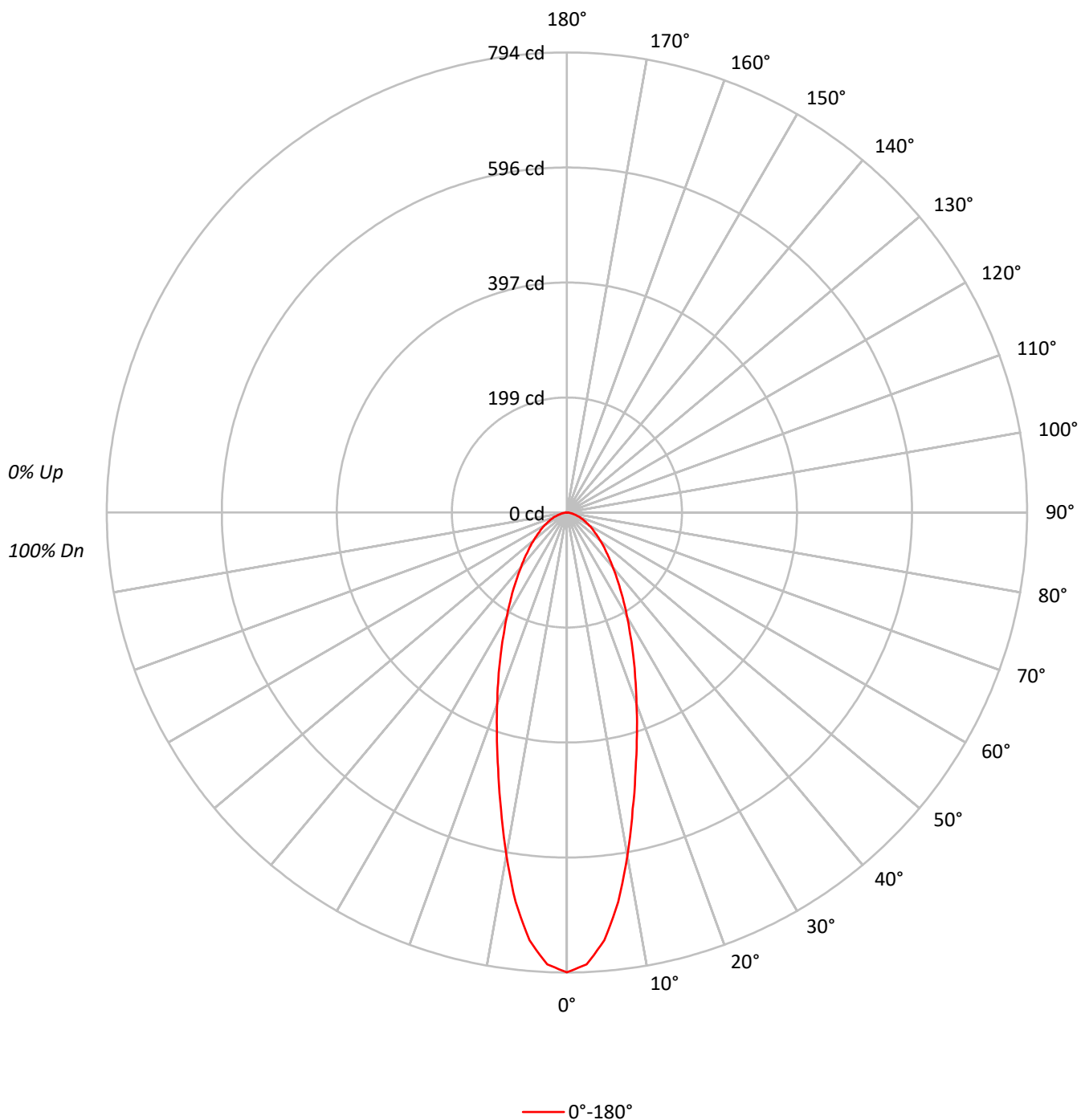
Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
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°	174021
5°	163130
10°	133776
15°	103928
20°	82024
25°	65375
30°	52489
35°	42831
40°	35295
45°	29709
50°	25517
55°	22059
60°	19560
65°	17019
70°	15131
75°	12200
80°	9976
85°	6542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29709 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	11.1
10°-20°	128.2	21.4
20°-30°	124.6	20.8
30°-40°	100.7	16.8
40°-50°	74.8	12.5
50°-60°	52.3	8.7
60°-70°	32.7	5.5
70°-80°	15.6	2.6
80°-90°	2.8	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°	319.1	53.4
0°-40°	419.8	70.2
0°-60°	546.9	91.5
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	794	
5°	741	66
15°	458	128
25°	270	125
35°	160	101
45°	96	75
55°	58	52
65°	33	33
75°	14	16
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	793.6
2.5°	780.5
5°	741.1
7.5°	678.2
10°	600.8
12.5°	524.7
15°	457.8
17.5°	401.4
20°	351.5
22.5°	308.3
25°	270.2
27.5°	236.1
30°	207.3
32.5°	182.3
35°	160.0
37.5°	140.4
40°	123.3
42.5°	108.9
45°	95.8
47.5°	85.3
50°	74.8
52.5°	65.6
55°	57.7
57.5°	51.2
60°	44.6
62.5°	38.0
65°	32.8
67.5°	27.5
70°	23.6
72.5°	18.4
75°	14.4
77.5°	10.5
80°	7.9
82.5°	3.9
85°	2.6
87.5°	0.0
90°	0.0

(END OF REPORT)