

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: P1249150

Luminaire Tested: P3AS13R129027DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249150
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: P3AS13R129027DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

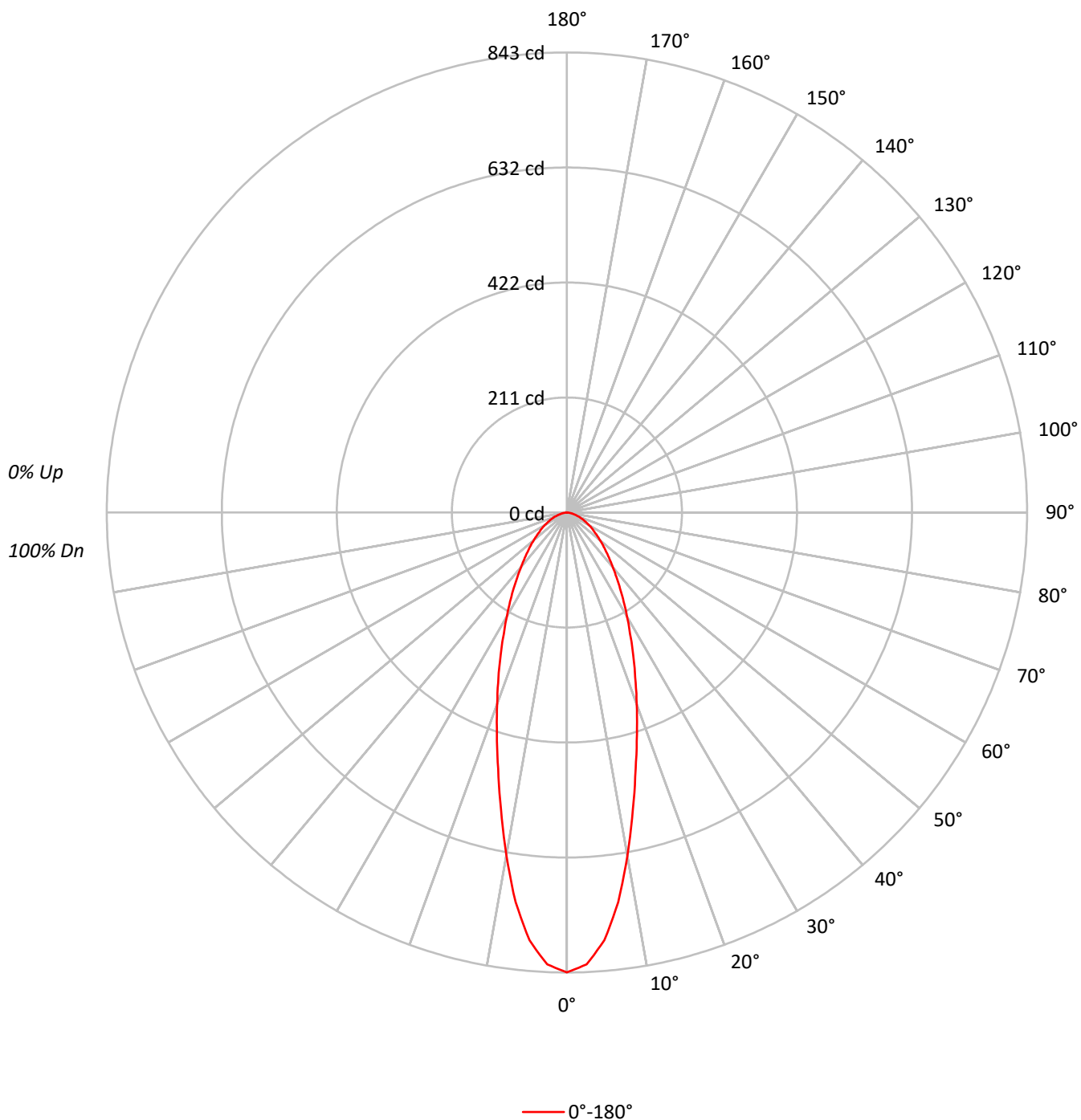
Lumens per Lamp: N/A
Luminaire Lumens: 635.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
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°	184788
5°	173233
10°	142037
15°	110353
20°	87111
25°	69415
30°	55730
35°	45481
40°	37470
45°	31538
50°	27087
55°	23435
60°	20788
65°	18056
70°	16092
75°	12963
80°	10607
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	11.1
10°-20°	136.2	21.4
20°-30°	132.3	20.8
30°-40°	107.0	16.8
40°-50°	79.4	12.5
50°-60°	55.5	8.7
60°-70°	34.8	5.5
70°-80°	16.5	2.6
80°-90°	3.0	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°	338.8	53.4
0°-40°	445.7	70.2
0°-60°	580.7	91.4
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	843	
5°	787	70
15°	486	136
25°	287	132
35°	170	107
45°	102	79
55°	61	55
65°	35	35
75°	15	17
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	842.7
2.5°	828.8
5°	787.0
7.5°	720.1
10°	637.9
12.5°	557.2
15°	486.1
17.5°	426.2
20°	373.3
22.5°	327.3
25°	286.9
27.5°	250.7
30°	220.1
32.5°	193.6
35°	169.9
37.5°	149.0
40°	130.9
42.5°	115.6
45°	101.7
47.5°	90.5
50°	79.4
52.5°	69.6
55°	61.3
57.5°	54.3
60°	47.4
62.5°	40.4
65°	34.8
67.5°	29.3
70°	25.1
72.5°	19.5
75°	15.3
77.5°	11.1
80°	8.4
82.5°	4.2
85°	2.8
87.5°	0.0
90°	0.0

(END OF REPORT)