

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: P1249151

Luminaire Tested: P3AS13R129027DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R129027DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

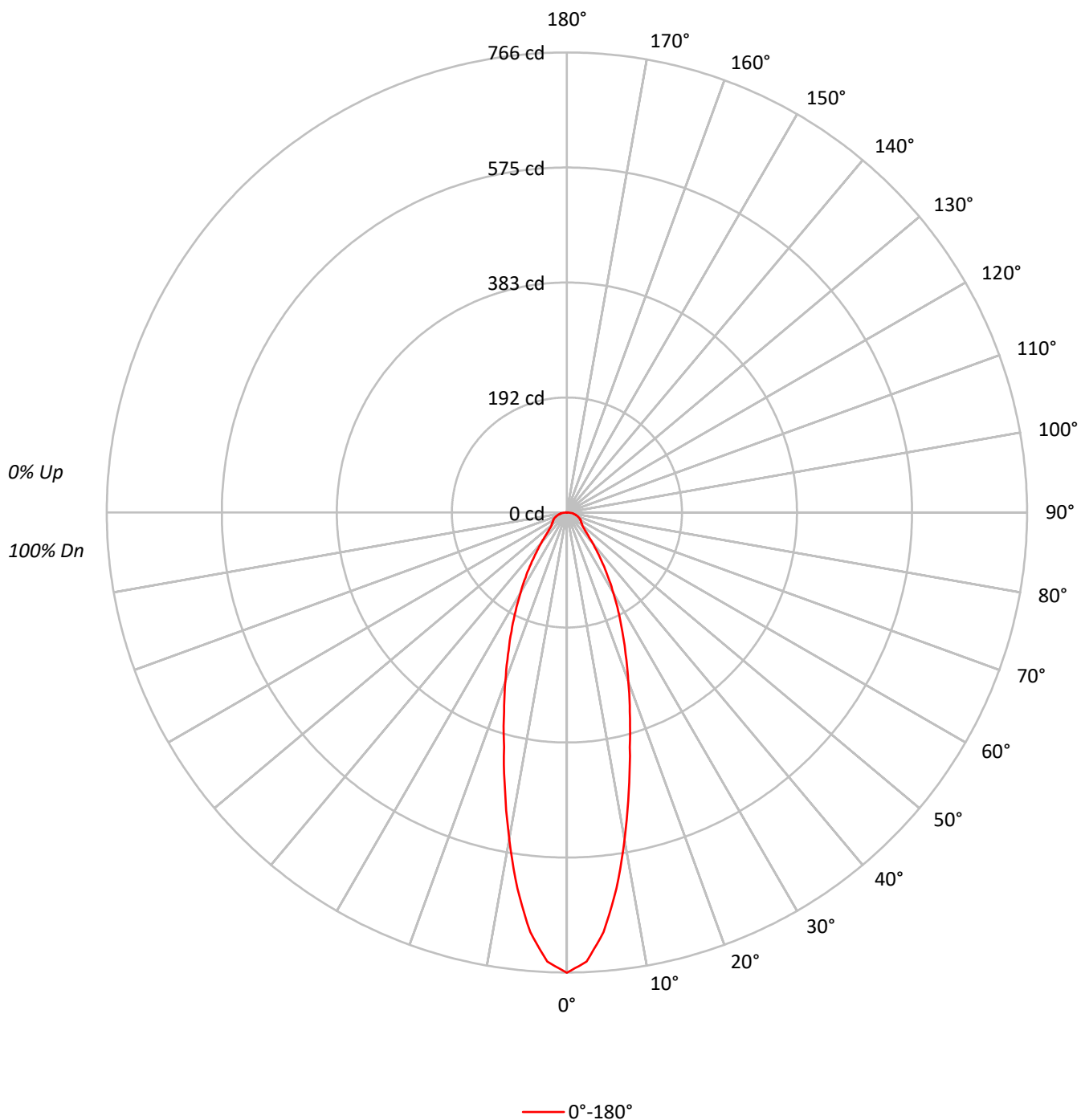
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 29.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		90
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		81
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		74
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		68
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		63
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		59
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		55
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		49
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168057
5°	154303
10°	122955
15°	91873
20°	69773
25°	52842
30°	39095
35°	27920
40°	19122
45°	13366
50°	11394
55°	11163
60°	11578
65°	12245
70°	12502
75°	12963
80°	14017
85°	14089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 16296 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	13.8
10°-20°	113.5	25.3
20°-30°	100.6	22.4
30°-40°	65.9	14.7
40°-50°	35.2	7.8
50°-60°	26.6	5.9
60°-70°	22.9	5.1
70°-80°	15.8	3.5
80°-90°	6.4	1.4
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°	276.2	61.5
0°-40°	342.1	76.2
0°-60°	403.9	90.0
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	766	
5°	701	62
15°	405	114
25°	218	101
35°	104	66
45°	43	35
55°	29	27
65°	24	23
75°	15	16
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	766.4
2.5°	748.3
5°	701.0
7.5°	631.5
10°	552.2
12.5°	475.7
15°	404.7
17.5°	347.7
20°	299.0
22.5°	255.9
25°	218.4
27.5°	185.0
30°	154.4
32.5°	128.0
35°	104.3
37.5°	83.5
40°	66.8
42.5°	52.9
45°	43.1
47.5°	37.6
50°	33.4
52.5°	32.0
55°	29.2
57.5°	27.8
60°	26.4
62.5°	25.0
65°	23.6
67.5°	20.9
70°	19.5
72.5°	16.7
75°	15.3
77.5°	12.5
80°	11.1
82.5°	9.7
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)