

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: P1246434

Luminaire Tested: P3A09R209024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R209024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

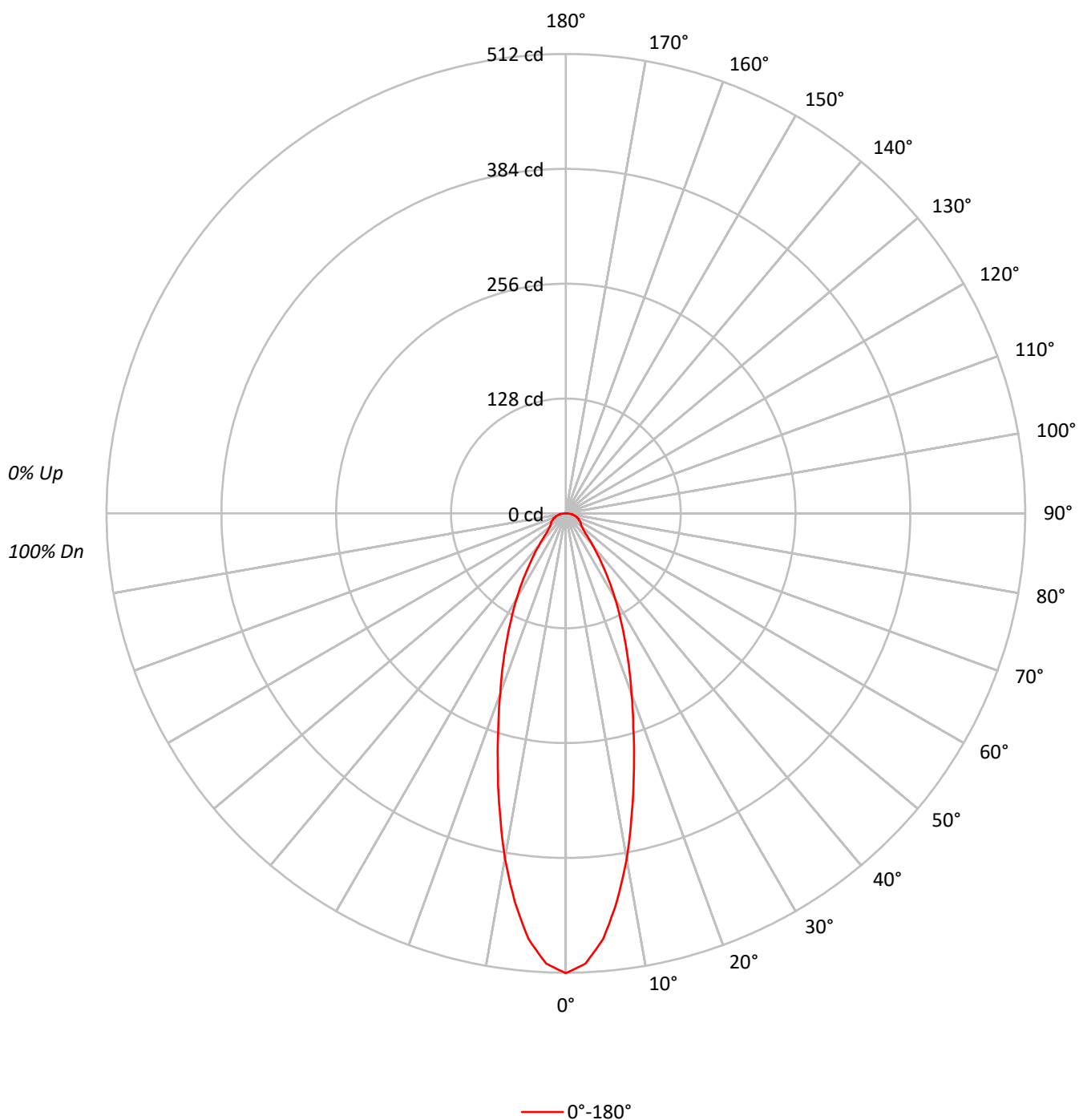
Lumens per Lamp: N/A
Luminaire Lumens: 316.0 lumens
Efficiency: N/A
Efficacy: 28.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65
8	76	65	59	54	74	65	58	54	64	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112381
5°	104820
10°	86972
15°	66516
20°	49914
25°	37575
30°	27776
35°	19408
40°	13311
45°	9241
50°	7949
55°	7837
60°	8157
65°	8198
70°	8335
75°	8642
80°	9345
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 10920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	13.5
10°-20°	81.5	25.8
20°-30°	71.7	22.7
30°-40°	46.2	14.6
40°-50°	24.5	7.8
50°-60°	18.4	5.8
60°-70°	15.7	5.0
70°-80°	11.0	3.5
80°-90°	4.3	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°	195.8	62.0
0°-40°	242.0	76.6
0°-60°	285.0	90.2
0°-90°	316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	316.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	512	
5°	476	43
15°	293	81
25°	155	72
35°	72	46
45°	30	25
55°	20	18
65°	16	16
75°	10	11
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	512.5
2.5°	502.2
5°	476.2
7.5°	436.2
10°	390.6
12.5°	340.4
15°	293.0
17.5°	250.2
20°	213.9
22.5°	183.2
25°	155.3
27.5°	131.1
30°	109.7
32.5°	90.2
35°	72.5
37.5°	58.6
40°	46.5
42.5°	37.2
45°	29.8
47.5°	26.0
50°	23.3
52.5°	21.4
55°	20.5
57.5°	19.5
60°	18.6
62.5°	16.7
65°	15.8
67.5°	14.9
70°	13.0
72.5°	12.1
75°	10.2
77.5°	9.3
80°	7.4
82.5°	6.5
85°	3.7
87.5°	1.9
90°	0.0

(END OF REPORT)