

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: P1246526

Luminaire Tested: P3A09R359024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

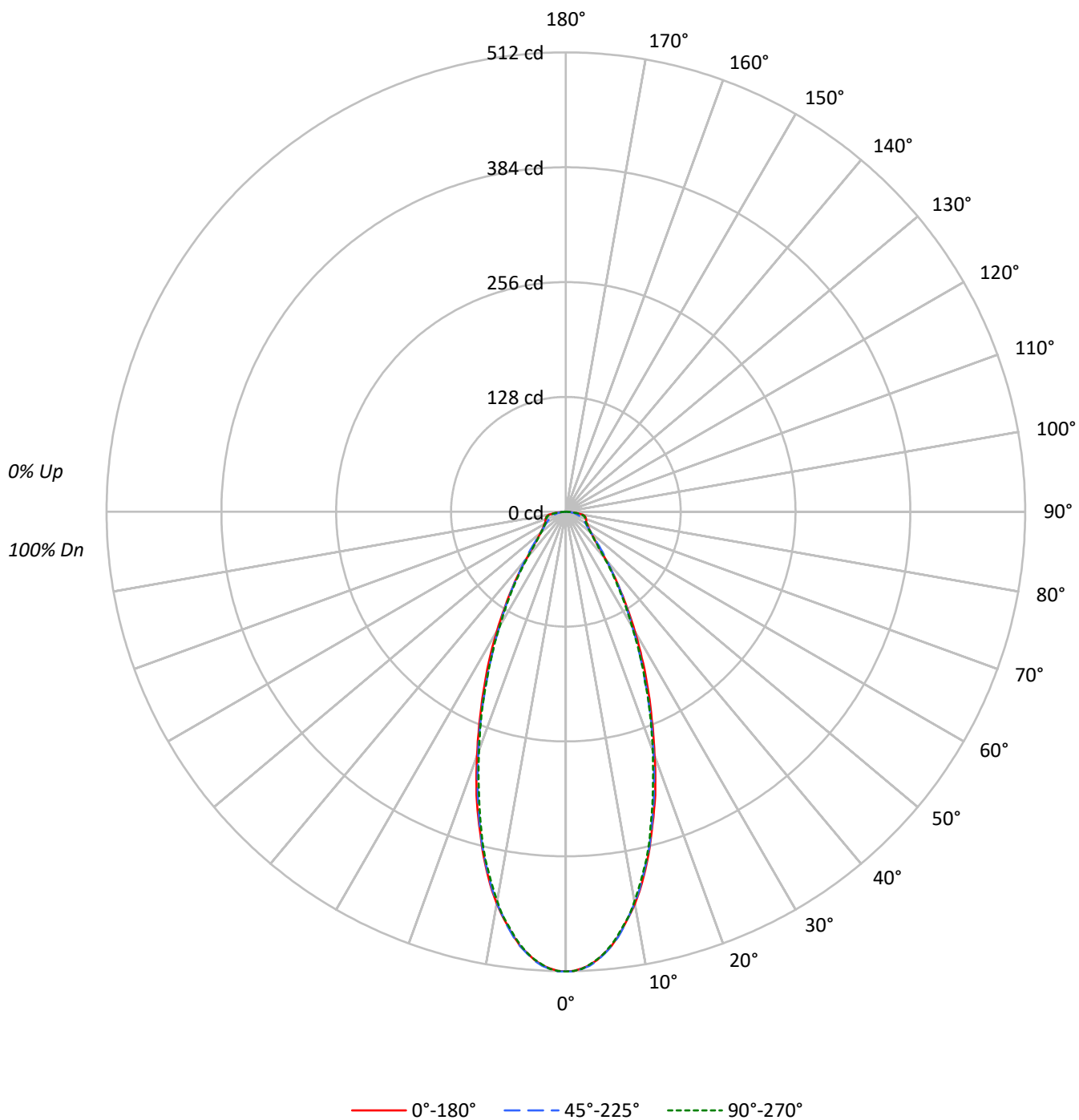
Lumens per Lamp: N/A
Luminaire Lumens: 424.0 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	112381	112381	112381
5°	108694	108826	108694
10°	98729	98595	98150
15°	83814	83519	82793
20°	67486	66576	65969
25°	52164	50592	50592
30°	38892	37575	37272
35°	28001	27653	26957
40°	19580	20152	18835
45°	14606	15412	14203
50°	12554	12554	12315
55°	11851	11354	11584
60°	12192	11052	11622
65°	13075	11052	12712
70°	15323	11605	14874
75°	19148	12031	18554
80°	24498	13007	21972
85°	19373	13083	19373

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 24498 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	10.7
10°-20°	101.6	24.0
20°-30°	97.0	22.9
30°-40°	65.2	15.4
40°-50°	38.3	9.0
50°-60°	27.4	6.5
60°-70°	22.8	5.4
70°-80°	18.7	4.4
80°-90°	7.7	1.8
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°	244.1	57.6
0°-40°	309.3	72.9
0°-60°	374.9	88.4
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	494	495	494	494	494	46
15°	369	370	368	365	365	102
25°	216	213	209	209	209	99
35°	105	105	103	101	101	66
45°	47	48	50	47	46	38
55°	31	30	30	30	30	28
65°	25	23	21	23	24	25
75°	23	17	14	17	22	23
85°	8	8	5	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	512.5	512.5	512.5	512.5	512.5
1°	511.8	512.5	512.5	511.8	511.8
2°	509.2	510.5	509.9	509.2	509.9
3°	506.0	507.3	506.7	506.0	505.4
4°	500.8	502.1	501.5	500.2	500.2
5°	493.8	495.0	494.4	493.8	493.8
6°	486.7	487.9	486.7	485.4	485.4
7°	477.0	478.9	477.6	476.3	475.7
8°	466.0	467.9	466.6	466.0	464.7
9°	455.0	456.3	454.4	454.4	454.4
10°	443.4	444.1	442.8	440.8	440.8
11°	430.5	429.9	429.2	427.9	426.6
12°	416.3	416.3	414.4	413.1	412.4
13°	401.5	400.8	399.5	398.2	398.2
14°	386.0	386.0	384.7	382.1	382.7
15°	369.2	369.8	367.9	365.3	364.7
17.5°	331.1	329.8	326.6	324.6	322.7
20°	289.2	288.5	285.3	283.3	282.7
22.5°	250.4	249.8	246.6	244.6	245.9
25°	215.6	213.0	209.1	209.1	209.1
27.5°	183.3	180.1	177.5	176.2	177.5
30°	153.6	151.0	148.4	147.8	147.2
32.5°	127.1	125.9	124.6	122.6	122.6
35°	104.6	104.6	103.3	101.3	100.7
37.5°	85.2	85.8	85.2	83.3	82.6
40°	68.4	69.7	70.4	68.4	65.8
42.5°	56.2	58.1	59.4	56.2	54.2
45°	47.1	48.4	49.7	47.1	45.8
47.5°	41.3	42.0	42.6	40.7	40.0
50°	36.8	36.8	36.8	36.1	36.1
52.5°	33.6	33.6	32.9	32.3	32.3
55°	31.0	30.3	29.7	29.7	30.3
57.5°	29.0	28.4	27.1	27.8	28.4
60°	27.8	26.5	25.2	25.8	26.5
62.5°	25.8	24.5	23.2	23.9	25.2
65°	25.2	22.6	21.3	22.6	24.5
67.5°	24.5	21.3	19.4	21.3	23.9
70°	23.9	20.0	18.1	20.0	23.2
72.5°	23.2	18.7	16.1	18.7	22.6
75°	22.6	17.4	14.2	17.4	21.9
77.5°	21.3	16.1	12.3	16.1	20.0
80°	19.4	14.8	10.3	14.2	17.4
82.5°	14.2	12.3	8.4	12.3	12.9
85°	7.7	8.4	5.2	8.4	7.7
87.5°	0.6	1.3	1.3	3.9	2.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)