

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: P1310112

Luminaire Tested: P3SQAS09R409040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

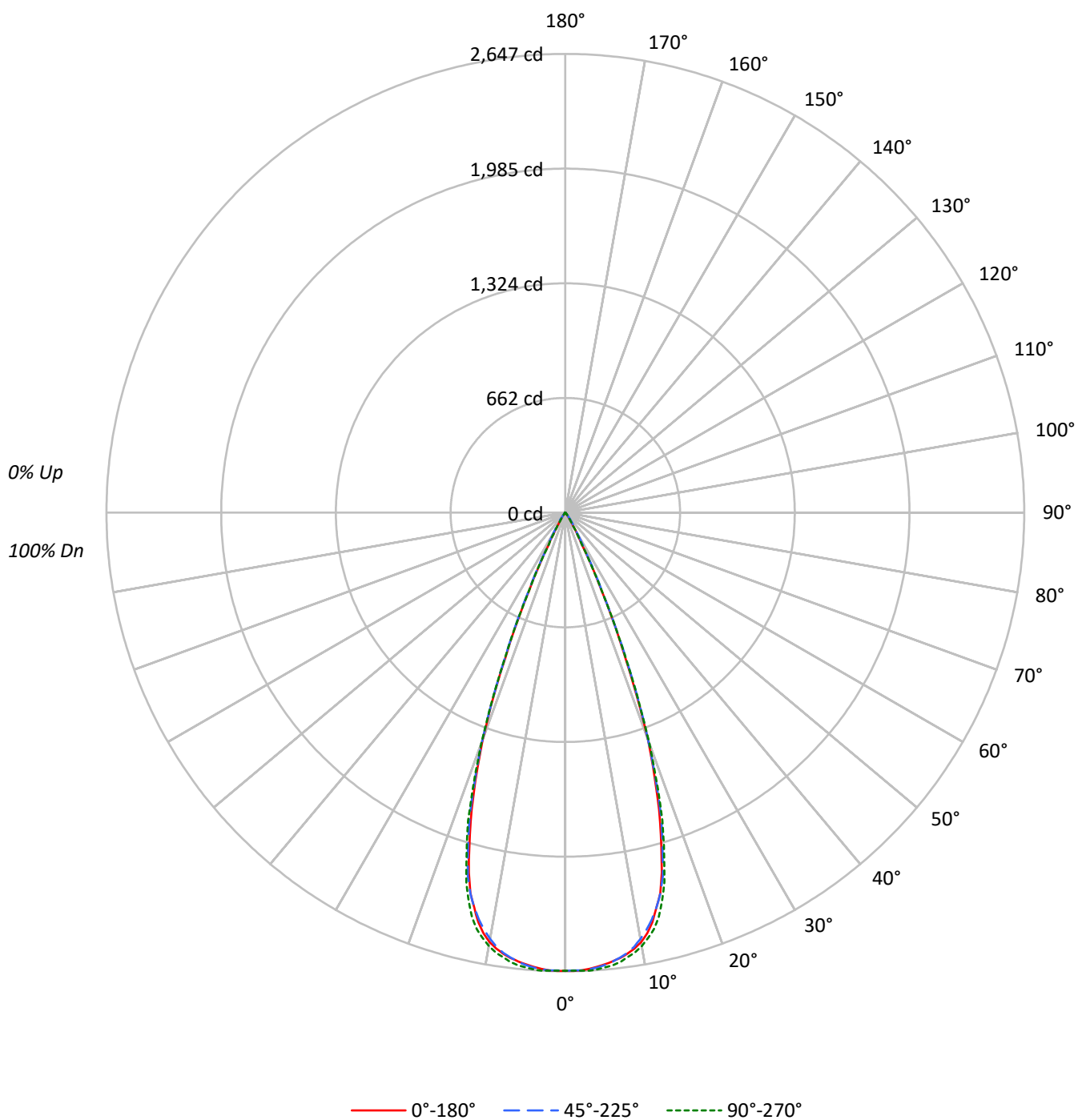
Lumens per Lamp: N/A
Luminaire Lumens: 1119.1 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	455357	455357	455357
5°	452325	453016	455454
10°	440084	436779	444071
15°	383448	387370	393415
20°	255413	256714	259152
25°	92866	95697	93303
30°	19708	26449	19708
35°	6938	11753	6623
40°	2473	3710	2473
45°	585	1534	585
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	652	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1534 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	22.1
10°-20°	575.7	51.4
20°-30°	259.1	23.2
30°-40°	29.5	2.6
40°-50°	4.2	0.4
50°-60°	1.5	0.1
60°-70°	1.2	0.1
70°-80°	0.7	0.1
80°-90°	0.0	0.0
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°	1081.9	96.7
0°-40°	1111.4	99.3
0°-60°	1117.1	99.8
0°-90°	1119.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2644	2644	2644	2644	2644	
5°	2616	2613	2620	2632	2634	247
15°	2151	2156	2173	2190	2206	571
25°	489	492	504	504	491	253
35°	33	37	56	35	32	25
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2644.0	2644.0	2644.0	2644.0	2644.0
1°	2645.5	2643.2	2642.4	2647.1	2643.2
2°	2643.2	2641.6	2642.4	2647.1	2644.0
3°	2636.1	2636.9	2639.2	2647.9	2647.1
4°	2627.4	2626.7	2631.4	2642.4	2642.4
5°	2616.4	2613.3	2620.4	2632.2	2634.5
6°	2603.8	2599.9	2605.4	2620.4	2625.9
7°	2589.7	2581.8	2586.5	2604.6	2611.7
8°	2570.8	2560.6	2566.1	2584.2	2589.7
9°	2547.2	2531.4	2536.2	2558.2	2569.2
10°	2516.5	2496.8	2497.6	2522.0	2539.3
11°	2473.2	2451.2	2452.0	2482.7	2500.8
12°	2415.8	2396.1	2400.0	2428.4	2457.5
13°	2337.9	2332.4	2337.1	2367.8	2394.5
14°	2262.3	2256.8	2265.5	2293.8	2306.4
15°	2150.6	2156.1	2172.6	2189.9	2206.5
17.5°	1796.5	1817.7	1837.4	1849.2	1863.4
20°	1393.6	1369.2	1400.7	1386.5	1414.0
22.5°	899.4	917.5	925.4	917.5	920.7
25°	488.7	491.8	503.6	503.6	491.0
27.5°	207.7	224.3	239.2	233.7	207.7
30°	99.1	114.1	133.0	114.9	99.1
32.5°	55.9	66.1	85.8	64.5	54.3
35°	33.0	37.0	55.9	35.4	31.5
37.5°	19.7	20.5	30.7	21.2	18.9
40°	11.0	13.4	16.5	13.4	11.0
42.5°	5.5	7.9	10.2	7.9	5.5
45°	2.4	3.9	6.3	3.9	2.4
47.5°	2.4	2.4	3.9	2.4	2.4
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	0.8	1.6	1.6	1.6	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)