

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: P1308994

Luminaire Tested: P3SQAS09R409035DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

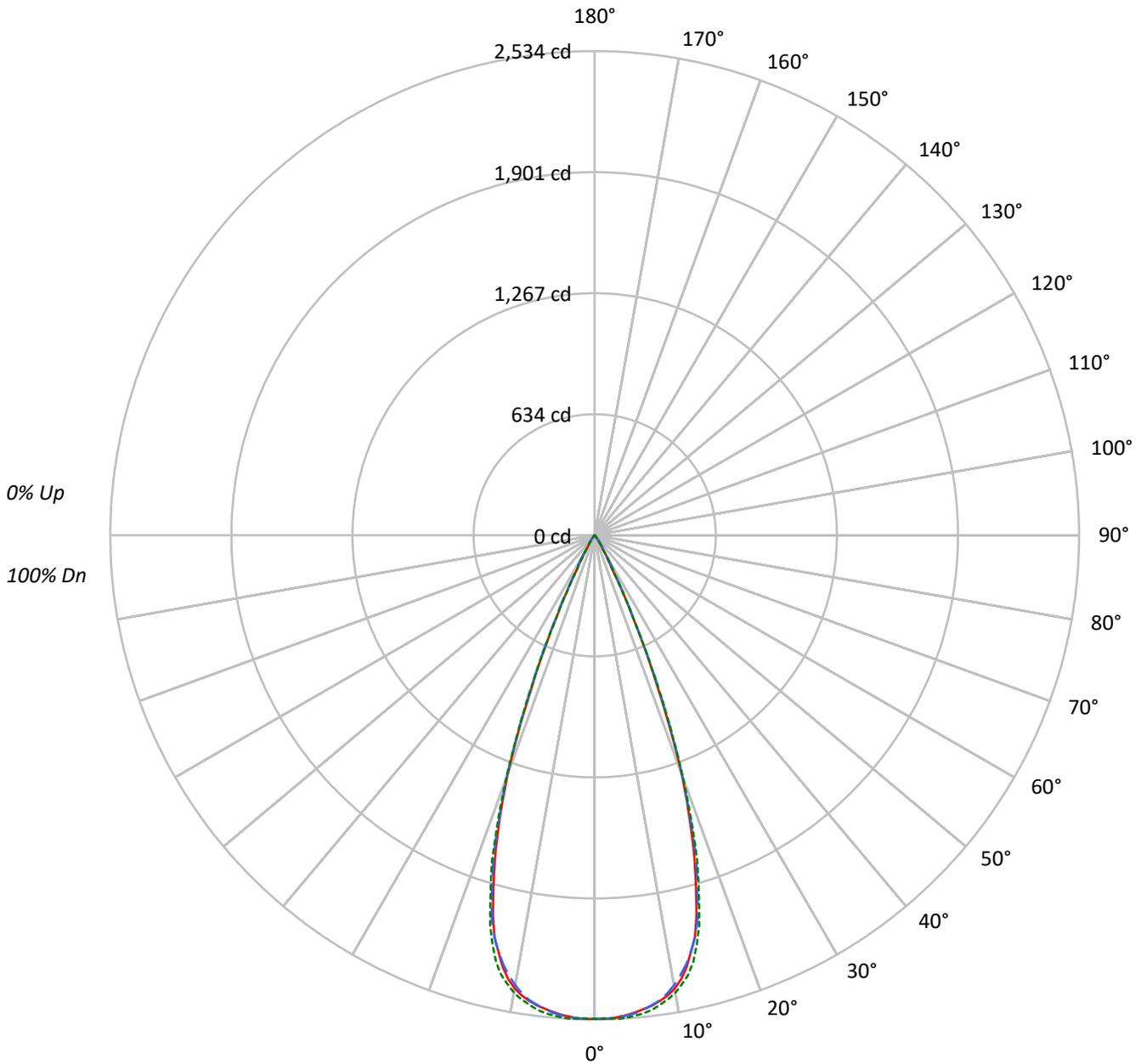
Test Method: LM-79-2019  
Report Number: P1308994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R409035DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1071.1 lumens  
Efficiency: N/A  
Efficacy: 96.5 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 (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	435827	435827	435827
5°	432927	433584	435918
10°	421197	418049	425027
15°	366991	370753	376530
20°	244453	245699	248045
25°	88875	91593	89313
30°	18872	25316	18872
35°	6644	11248	6328
40°	2361	3552	2361
45°	560	1461	560
50°	402	616	402
55°	450	450	450
60°	517	517	517
65°	326	611	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: 1461 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.5	22.1
10°-20°	551.0	51.4
20°-30°	248.0	23.2
30°-40°	28.2	2.6
40°-50°	4.1	0.4
50°-60°	1.4	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°	1035.5	96.7
0°-40°	1063.7	99.3
0°-60°	1069.2	99.8
0°-90°	1071.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1071.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2531	2531	2531	2531	2531	
5°	2504	2501	2508	2519	2522	236
15°	2058	2064	2079	2096	2112	547
25°	468	471	482	482	470	242
35°	32	35	54	34	30	24
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2530.6	2530.6	2530.6	2530.6	2530.6
1°	2532.1	2529.8	2529.0	2533.6	2529.8
2°	2529.8	2528.3	2529.0	2533.6	2530.6
3°	2523.0	2523.8	2526.0	2534.3	2533.6
4°	2514.7	2514.0	2518.5	2529.0	2529.0
5°	2504.2	2501.2	2508.0	2519.3	2521.5
6°	2492.1	2488.4	2493.6	2508.0	2513.2
7°	2478.6	2471.1	2475.6	2492.9	2499.7
8°	2460.5	2450.7	2456.0	2473.3	2478.6
9°	2437.9	2422.9	2427.4	2448.5	2459.0
10°	2408.5	2389.7	2390.5	2413.8	2430.4
11°	2367.1	2346.0	2346.8	2376.2	2393.5
12°	2312.1	2293.3	2297.1	2324.2	2352.1
13°	2237.6	2232.3	2236.8	2266.2	2291.8
14°	2165.3	2160.0	2168.3	2195.4	2207.5
15°	2058.3	2063.6	2079.4	2096.0	2111.8
17.5°	1719.4	1739.8	1758.6	1769.9	1783.4
20°	1333.8	1310.5	1340.6	1327.0	1353.4
22.5°	860.8	878.2	885.7	878.2	881.2
25°	467.7	470.7	482.0	482.0	470.0
27.5°	198.8	214.6	229.0	223.7	198.8
30°	94.9	109.2	127.3	110.0	94.9
32.5°	53.5	63.3	82.1	61.8	52.0
35°	31.6	35.4	53.5	33.9	30.1
37.5°	18.8	19.6	29.4	20.3	18.1
40°	10.5	12.8	15.8	12.8	10.5
42.5°	5.3	7.5	9.8	7.5	5.3
45°	2.3	3.8	6.0	3.8	2.3
47.5°	2.3	2.3	3.8	2.3	2.3
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	0.8	1.5	1.5	1.5	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)