

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: P1317172

Luminaire Tested: P3SQAS13R509830DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R509830DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

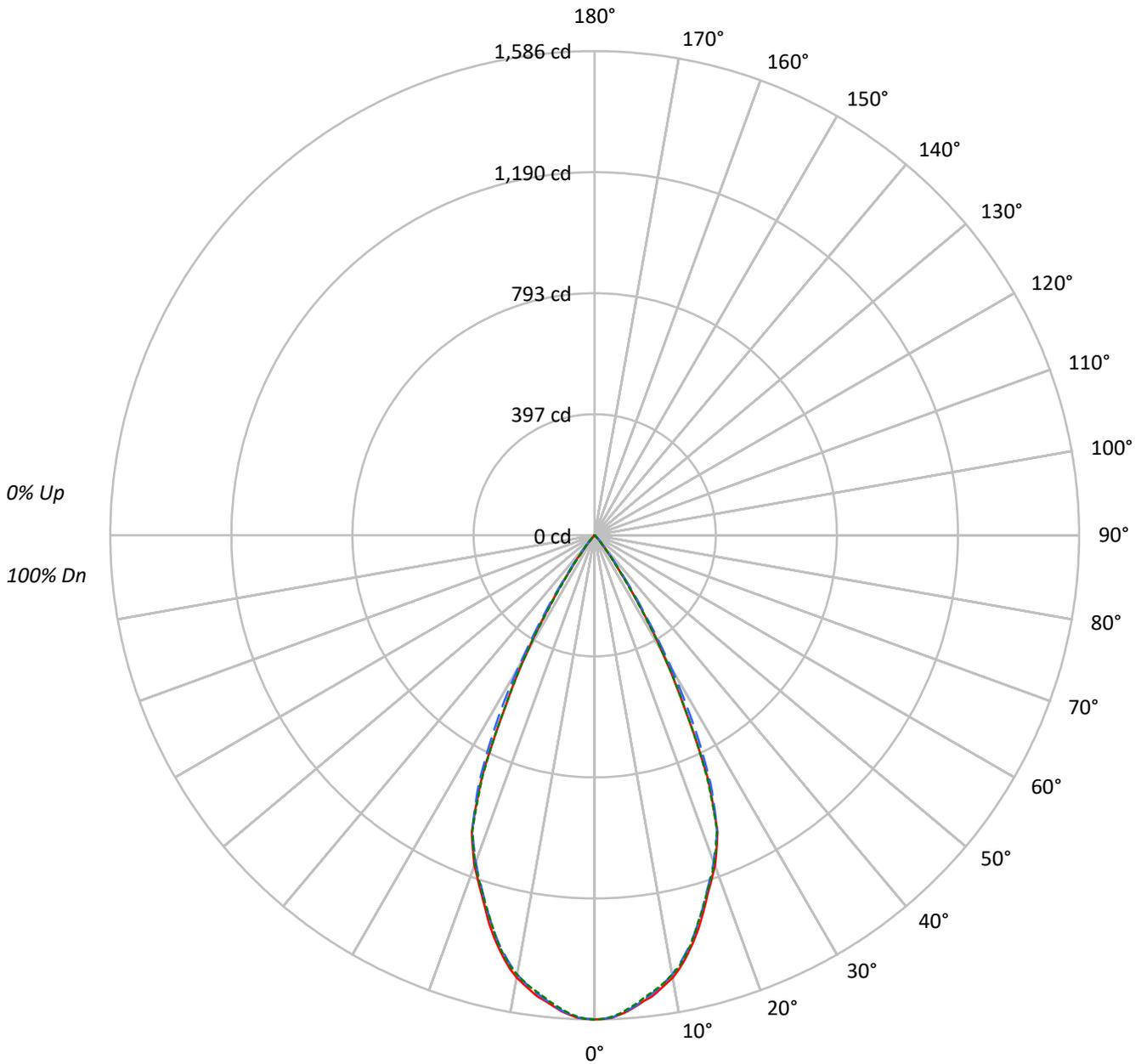
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1022.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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				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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	273128	273128	273128
5°	267775	267273	266513
10°	257283	255516	255639
15°	236191	233998	233731
20°	211005	208751	209814
25°	165836	170663	164468
30°	88734	99393	89012
35°	28972	33870	27311
40°	7172	8970	6857
45°	877	3191	877
50°	589	965	589
55°	661	661	661
60°	517	517	517
65°	611	611	611
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.0	14.2
10°-20°	366.8	35.9
20°-30°	385.7	37.7
30°-40°	111.2	10.9
40°-50°	9.0	0.9
50°-60°	2.0	0.2
60°-70°	1.4	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	897.5	87.8
0°-40°	1008.7	98.7
0°-60°	1019.7	99.8
0°-90°	1022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1022.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1586	1586	1586	1586	1586	
5°	1549	1548	1546	1547	1542	145
15°	1325	1316	1312	1312	1311	369
25°	873	894	898	888	866	378
35°	138	143	161	138	130	107
45°	4	7	13	7	4	7
55°	2	2	2	2	2	2
65°	2	2	2	2	2	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°	1585.9	1585.9	1585.9	1585.9	1585.9
1°	1585.1	1586.6	1583.7	1588.8	1584.4
2°	1581.5	1582.2	1580.8	1584.4	1578.6
3°	1572.8	1574.3	1571.4	1574.3	1569.2
4°	1562.6	1562.6	1559.7	1561.9	1555.4
5°	1548.9	1548.1	1546.0	1547.4	1541.6
6°	1534.4	1533.6	1530.0	1530.0	1525.7
7°	1523.5	1518.4	1515.5	1514.8	1510.4
8°	1506.1	1504.6	1498.8	1498.8	1495.9
9°	1488.7	1487.2	1480.7	1482.1	1479.9
10°	1471.2	1466.2	1461.1	1461.8	1461.8
11°	1448.0	1443.7	1436.4	1439.3	1440.8
12°	1420.5	1415.4	1408.9	1414.7	1413.9
13°	1390.0	1385.6	1380.6	1384.9	1383.5
14°	1358.1	1351.5	1347.2	1350.1	1348.6
15°	1324.7	1316.0	1312.4	1312.4	1310.9
17.5°	1231.1	1226.0	1222.4	1220.2	1225.3
20°	1151.3	1147.0	1139.0	1141.2	1144.8
22.5°	1051.2	1050.5	1046.1	1042.5	1046.8
25°	872.7	894.5	898.1	888.0	865.5
27.5°	634.1	684.8	703.0	679.0	637.7
30°	446.2	470.1	499.8	452.7	447.6
32.5°	269.1	275.7	303.2	270.6	263.3
35°	137.8	142.9	161.1	137.8	129.9
37.5°	64.6	67.5	74.7	64.6	60.2
40°	31.9	35.5	39.9	33.4	30.5
42.5°	13.8	18.1	23.2	17.4	12.3
45°	3.6	7.3	13.1	7.3	3.6
47.5°	2.2	2.9	7.3	2.9	2.2
50°	2.2	2.2	3.6	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	1.5	2.2	1.5	2.2	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.0	0.7	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)