

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: P1314437

Luminaire Tested: P3SQAS13R509735DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314437  
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: P3SQAS13R509735DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

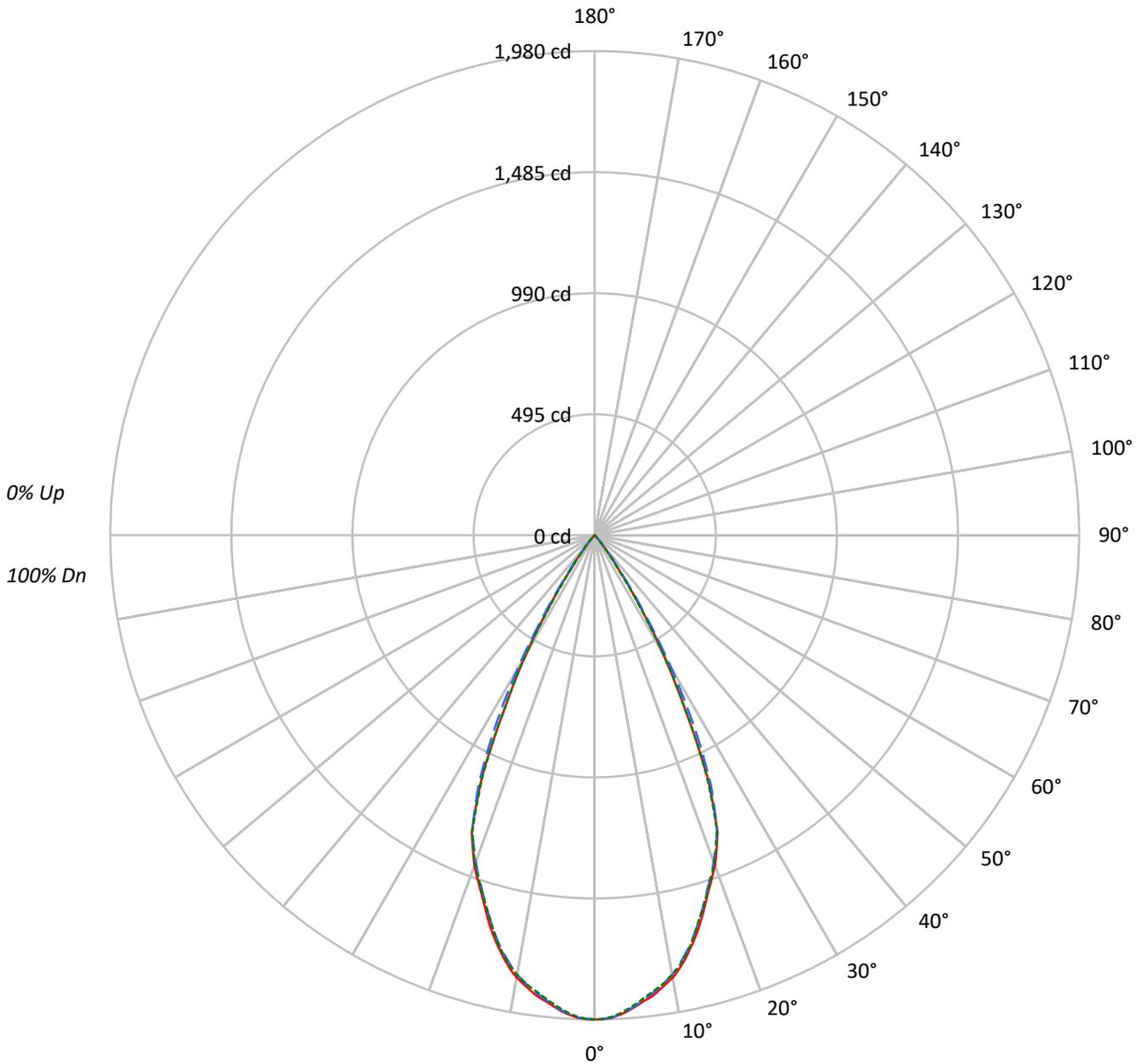
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1276.0 lumens  
Efficiency: N/A  
Efficacy: 87.4 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): 14.6  
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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CATALOG NUMBER: P3SQAS13R509735DE010 E3SQCD1MW

**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	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	80	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	71	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°	341001	341001	341001
5°	334316	333694	332760
10°	321236	319015	319172
15°	294887	292141	291820
20°	263440	260636	261956
25°	207053	213077	205343
30°	110768	124112	111146
35°	36183	42280	34081
40°	8970	11196	8543
45°	1096	3970	1096
50°	723	1206	723
55°	811	811	811
60°	620	620	620
65°	734	734	734
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3970 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.0	14.2
10°-20°	457.9	35.9
20°-30°	481.6	37.7
30°-40°	138.8	10.9
40°-50°	11.3	0.9
50°-60°	2.4	0.2
60°-70°	1.7	0.1
70°-80°	1.0	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°	1120.6	87.8
0°-40°	1259.3	98.7
0°-60°	1273.0	99.8
0°-90°	1276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1980	1980	1980	1980	1980	
5°	1934	1933	1930	1932	1925	182
15°	1654	1643	1638	1638	1637	461
25°	1090	1117	1121	1109	1081	472
35°	172	178	201	172	162	133
45°	4	9	16	9	4	8
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1314437

CATALOG NUMBER: P3SQAS13R509735DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1980.0	1980.0	1980.0	1980.0	1980.0
1°	1979.1	1980.9	1977.3	1983.6	1978.2
2°	1974.6	1975.5	1973.7	1978.2	1970.9
3°	1963.7	1965.5	1961.9	1965.5	1959.2
4°	1951.0	1951.0	1947.4	1950.1	1942.0
5°	1933.8	1932.9	1930.2	1932.0	1924.8
6°	1915.7	1914.8	1910.3	1910.3	1904.8
7°	1902.1	1895.8	1892.1	1891.2	1885.8
8°	1880.4	1878.6	1871.3	1871.3	1867.7
9°	1858.6	1856.8	1848.7	1850.5	1847.8
10°	1836.9	1830.6	1824.2	1825.1	1825.1
11°	1807.9	1802.5	1793.4	1797.0	1798.8
12°	1773.5	1767.1	1759.0	1766.2	1765.3
13°	1735.4	1730.0	1723.7	1729.1	1727.3
14°	1695.6	1687.4	1682.0	1685.6	1683.8
15°	1653.9	1643.1	1638.5	1638.5	1636.7
17.5°	1537.1	1530.7	1526.2	1523.5	1529.8
20°	1437.4	1432.0	1422.1	1424.8	1429.3
22.5°	1312.5	1311.5	1306.1	1301.6	1307.0
25°	1089.6	1116.8	1121.3	1108.7	1080.6
27.5°	791.6	855.0	877.7	847.8	796.2
30°	557.0	586.9	624.1	565.2	558.9
32.5°	336.0	344.2	378.6	337.9	328.8
35°	172.1	178.4	201.1	172.1	162.1
37.5°	80.6	84.2	93.3	80.6	75.2
40°	39.9	44.4	49.8	41.7	38.0
42.5°	17.2	22.6	29.0	21.7	15.4
45°	4.5	9.1	16.3	9.1	4.5
47.5°	2.7	3.6	9.1	3.6	2.7
50°	2.7	2.7	4.5	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	1.8	2.7	1.8	2.7	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.0	0.9	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



TEST NUMBER: P1314437

CATALOG NUMBER: P3SQAS13R509735DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)