

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: P1311374

Luminaire Tested: P3SQAS13R509050DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R509050DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

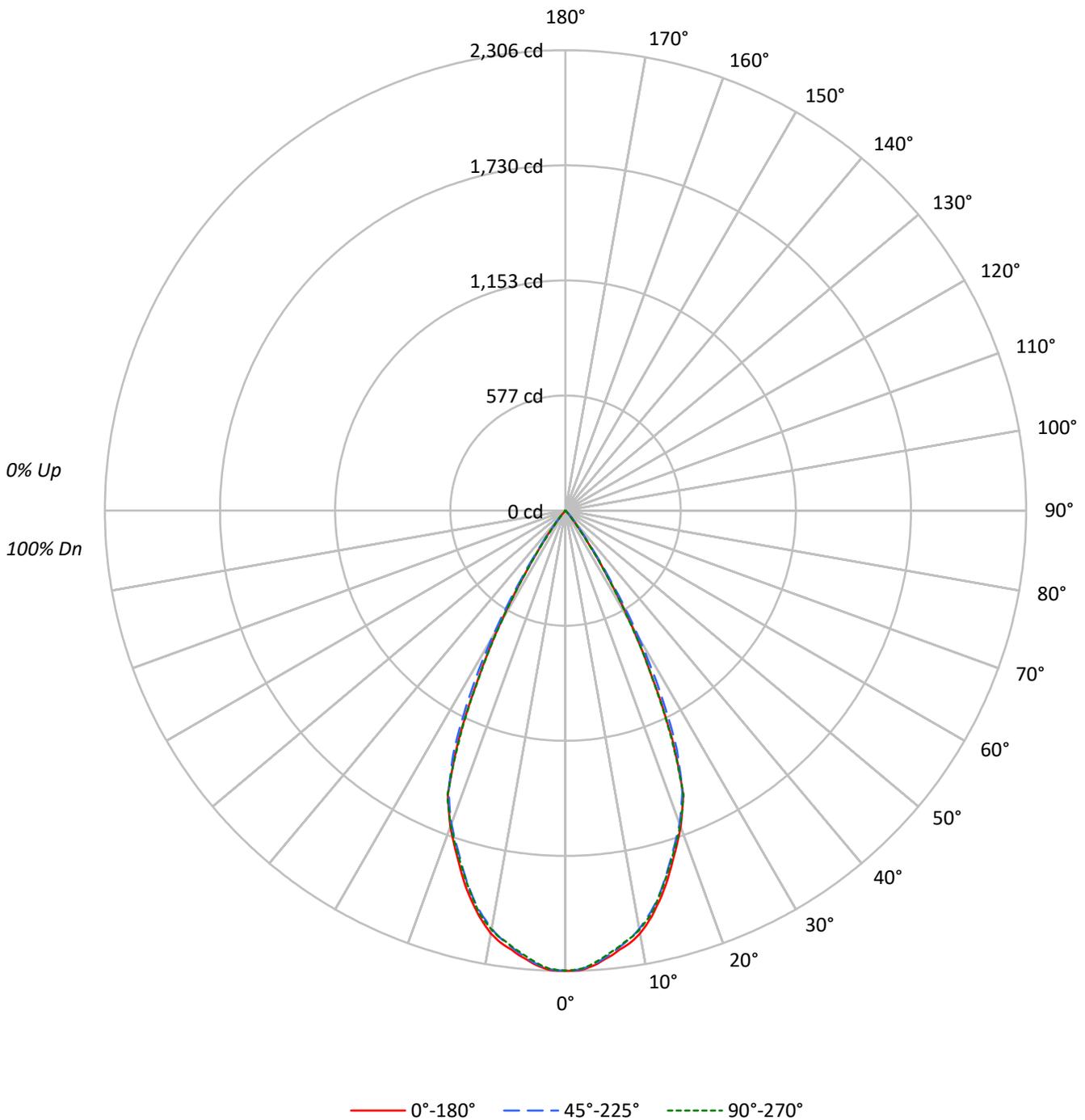
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1484.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

TEST NUMBER: P1311374  
CATALOG NUMBER: P3SQAS13R509050DE010 E3SQCD1MMS

### 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			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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	396887	396887	396887
5°	389967	388860	387771
10°	376096	372021	372756
15°	345969	341619	342564
20°	308948	306015	307775
25°	240441	250531	237818
30°	130237	145450	127930
35°	41061	48882	40178
40°	9060	12657	8588
45°	268	3873	268
50°	0	563	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3873 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.1	14.2
10°-20°	536.4	36.1
20°-30°	565.0	38.1
30°-40°	161.4	10.9
40°-50°	10.0	0.7
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1312.6	88.4
0°-40°	1473.9	99.3
0°-60°	1484.0	100.0
0°-90°	1484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1484.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2256	2254	2249	2247	2243	212
15°	1940	1928	1916	1919	1921	541
25°	1265	1312	1318	1304	1252	554
35°	195	209	232	197	191	152
45°	1	5	16	5	1	6
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1311374

CATALOG NUMBER: P3SQAS13R509050DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2304.5	2304.5	2304.5	2304.5	2304.5
1°	2305.6	2306.6	2304.5	2306.6	2301.3
2°	2302.4	2300.3	2298.2	2299.2	2296.0
3°	2290.7	2289.7	2285.4	2286.5	2282.2
4°	2275.9	2272.7	2269.5	2267.4	2263.1
5°	2255.7	2253.6	2249.3	2247.2	2243.0
6°	2238.7	2234.5	2227.0	2224.9	2220.7
7°	2216.4	2214.3	2204.7	2202.6	2200.5
8°	2199.4	2193.1	2181.4	2182.4	2177.1
9°	2177.1	2168.6	2157.0	2157.0	2158.0
10°	2150.6	2137.9	2127.3	2130.4	2131.5
11°	2115.6	2107.1	2091.2	2098.6	2098.6
12°	2077.4	2066.7	2055.1	2061.4	2065.7
13°	2032.8	2024.3	2013.7	2020.0	2017.9
14°	1989.3	1973.3	1965.9	1974.4	1971.2
15°	1940.4	1927.7	1916.0	1919.2	1921.3
17.5°	1809.9	1796.1	1787.6	1788.6	1798.2
20°	1685.7	1680.4	1669.7	1674.0	1679.3
22.5°	1539.2	1541.3	1528.6	1531.7	1544.5
25°	1265.3	1312.0	1318.4	1303.5	1251.5
27.5°	937.3	1007.4	1028.6	994.6	930.9
30°	654.9	674.1	731.4	666.6	643.3
32.5°	384.3	412.9	443.7	399.1	383.2
35°	195.3	209.1	232.5	197.4	191.1
37.5°	90.2	96.6	106.2	90.2	84.9
40°	40.3	47.8	56.3	45.6	38.2
42.5°	12.7	22.3	29.7	20.2	11.7
45°	1.1	5.3	15.9	5.3	1.1
47.5°	0.0	1.1	6.4	1.1	0.0
50°	0.0	0.0	2.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)