

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: P1308053

Luminaire Tested: P3SQAS13R459030DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R459030DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

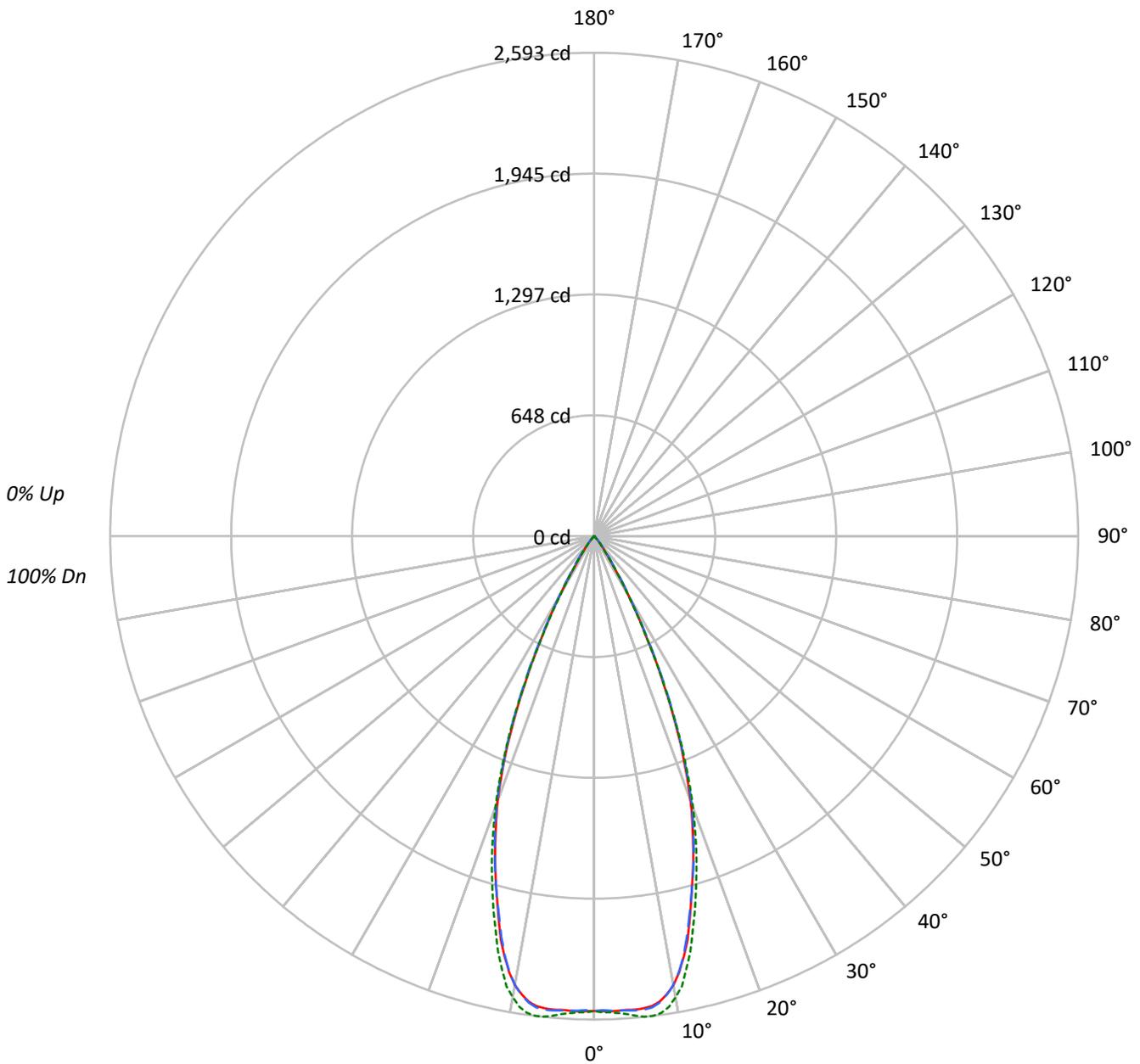
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1318.0 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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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**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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	438582	438582	438582
5°	440759	441589	446637
10°	427668	427335	439227
15°	358415	358254	371413
20°	277076	279935	283839
25°	169865	173361	170226
30°	72844	76126	70518
35°	22875	27584	22265
40°	7869	10049	7644
45°	1413	4262	1193
50°	777	1554	777
55°	871	871	871
60°	654	654	654
65°	774	774	774
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4262 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.0	18.4
10°-20°	559.3	42.4
20°-30°	409.5	31.1
30°-40°	90.5	6.9
40°-50°	11.1	0.8
50°-60°	2.6	0.2
60°-70°	1.8	0.1
70°-80°	1.1	0.1
80°-90°	0.1	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°	1210.8	91.9
0°-40°	1301.2	98.7
0°-60°	1314.9	99.8
0°-90°	1318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2547	2547	2547	2547	2547	
5°	2550	2548	2554	2573	2584	241
15°	2010	2000	2009	2058	2083	555
25°	894	893	912	906	896	405
35°	109	115	131	115	106	86
45°	6	10	18	10	5	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2546.6	2546.6	2546.6	2546.6	2546.6
1°	2548.5	2544.6	2543.6	2550.4	2555.3
2°	2550.4	2545.6	2546.6	2553.4	2556.3
3°	2548.5	2543.6	2548.5	2558.2	2562.1
4°	2547.5	2545.6	2550.4	2564.0	2570.8
5°	2549.5	2547.5	2554.3	2572.8	2583.5
6°	2546.6	2543.6	2553.4	2576.7	2592.2
7°	2539.8	2536.8	2547.5	2575.7	2593.2
8°	2521.3	2515.5	2526.2	2561.1	2582.5
9°	2488.3	2480.5	2491.2	2532.0	2557.2
10°	2445.5	2436.8	2443.6	2483.4	2511.6
11°	2384.3	2372.6	2380.4	2423.2	2460.1
12°	2306.6	2290.1	2299.8	2348.4	2374.6
13°	2222.0	2206.5	2208.4	2252.2	2289.1
14°	2117.1	2096.7	2105.5	2151.1	2180.3
15°	2010.2	1999.5	2009.3	2057.8	2083.1
17.5°	1765.4	1764.4	1773.2	1809.1	1822.7
20°	1511.8	1514.7	1527.4	1546.8	1548.7
22.5°	1211.6	1212.6	1226.2	1239.8	1236.8
25°	893.9	892.9	912.3	905.5	895.8
27.5°	592.7	596.6	614.0	601.4	591.7
30°	366.3	374.1	382.8	367.3	354.6
32.5°	198.2	210.8	223.5	209.9	197.2
35°	108.8	114.6	131.2	114.6	105.9
37.5°	63.2	66.1	76.8	66.1	60.2
40°	35.0	39.8	44.7	39.8	34.0
42.5°	14.6	22.3	27.2	22.3	14.6
45°	5.8	9.7	17.5	9.7	4.9
47.5°	2.9	3.9	10.7	3.9	2.9
50°	2.9	2.9	5.8	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	1.9	1.9	1.9	2.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.0	1.0	1.0	1.9	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
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)