

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: P1305427

Luminaire Tested: P3SQAS02R309024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R309024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

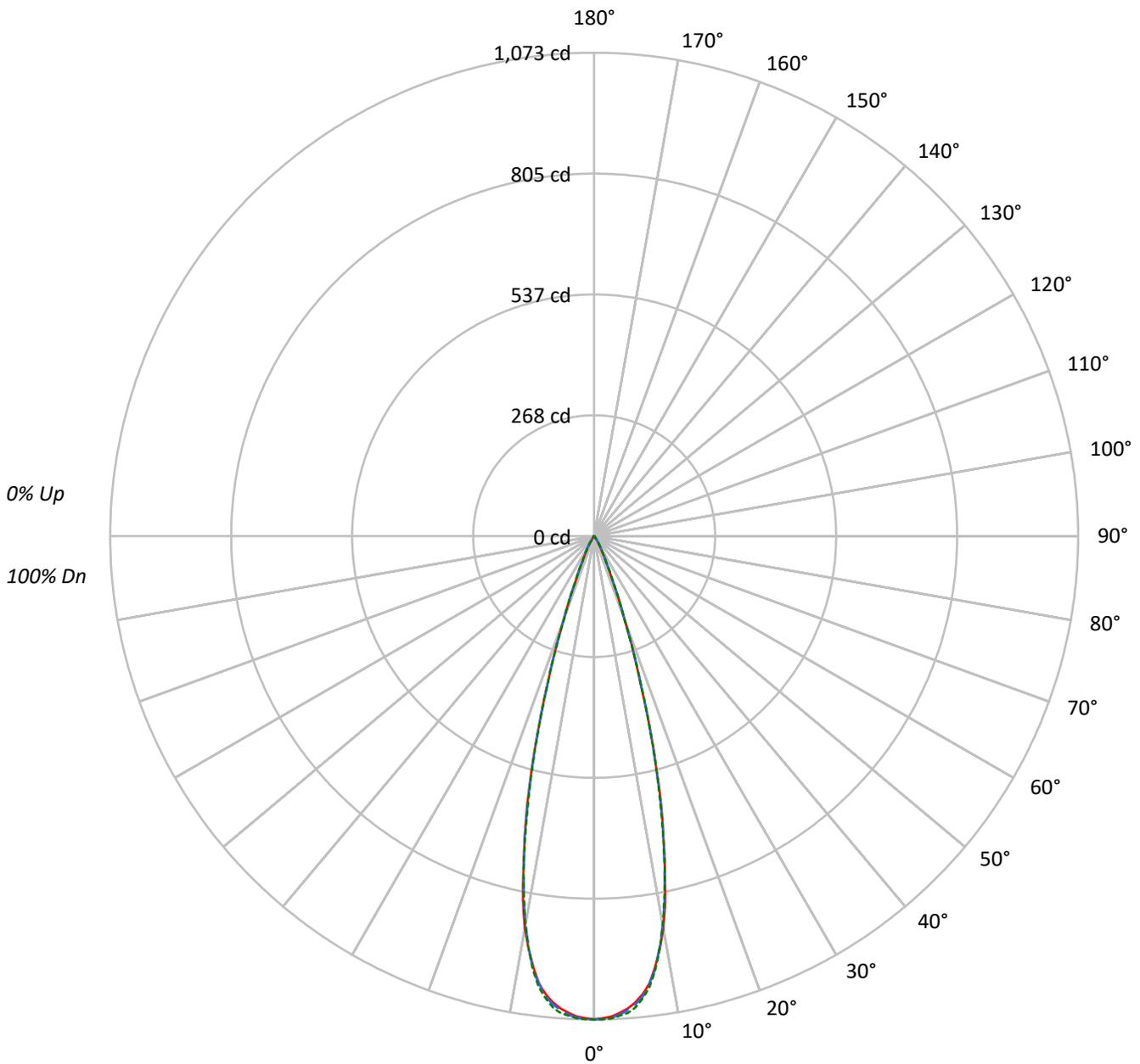
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 278.9 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	95	94	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	84	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	184760	184760	184760
5°	179692	180470	181594
10°	154523	153194	153352
15°	94944	94177	94248
20°	36142	36215	35537
25°	11497	12105	11535
30°	4614	5727	4753
35°	1493	2544	1493
40°	674	1124	674
45°	268	463	268
50°	107	241	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 463 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	33.9
10°-20°	140.4	50.3
20°-30°	34.9	12.5
30°-40°	7.0	2.5
40°-50°	1.3	0.5
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	269.9	96.8
0°-40°	276.8	99.2
0°-60°	278.5	99.8
0°-90°	278.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	278.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1039	1043	1044	1045	1050	94
15°	532	534	528	530	529	141
25°	60	62	64	63	61	34
35°	7	9	12	9	7	6
45°	1	1	2	2	1	1
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1072.8	1072.8	1072.8	1072.8	1072.8
1°	1070.4	1071.7	1072.5	1072.5	1072.5
2°	1067.4	1068.2	1069.5	1069.7	1071.5
3°	1060.3	1062.2	1064.4	1065.6	1066.5
4°	1051.7	1054.2	1055.5	1058.8	1061.6
5°	1039.4	1042.8	1043.9	1045.4	1050.4
6°	1022.8	1025.4	1027.6	1028.2	1031.2
7°	1000.9	1002.2	1001.7	1002.8	1008.2
8°	967.5	967.9	971.6	969.2	972.9
9°	927.9	926.2	925.3	927.0	927.2
10°	883.6	877.7	876.0	874.5	876.9
11°	826.1	818.6	819.2	818.8	815.3
12°	754.6	753.8	748.2	749.2	754.4
13°	681.7	683.2	682.1	683.4	677.6
14°	613.2	605.9	607.8	600.5	603.3
15°	532.5	533.6	528.2	529.9	528.6
17.5°	340.9	343.3	341.6	340.1	342.4
20°	197.2	196.9	197.6	195.7	193.9
22.5°	103.7	105.3	107.2	107.4	108.7
25°	60.5	61.8	63.7	62.8	60.7
27.5°	37.0	39.4	42.4	40.2	37.7
30°	23.2	25.2	28.8	25.4	23.9
32.5°	13.1	15.9	18.9	15.9	13.1
35°	7.1	9.3	12.1	9.0	7.1
37.5°	4.7	5.4	8.0	5.4	4.7
40°	3.0	3.7	5.0	3.7	3.0
42.5°	1.7	2.4	2.8	2.4	1.7
45°	1.1	1.3	1.9	1.5	1.1
47.5°	0.4	0.6	1.3	0.6	0.6
50°	0.4	0.4	0.9	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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)