

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: P1306221

Luminaire Tested: P3SQASS20R309024D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306221  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS20R309024D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

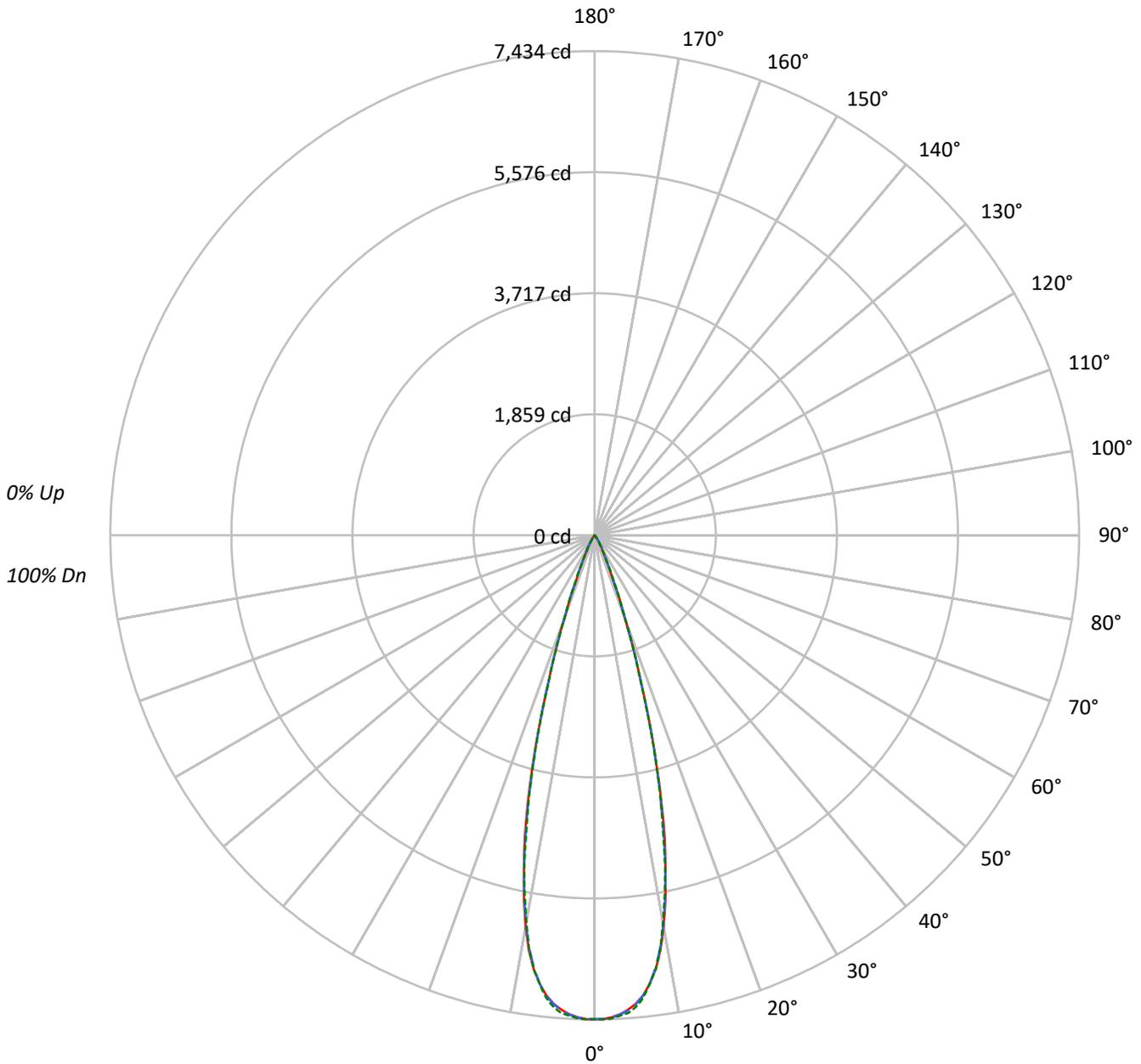
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1917.0 lumens  
Efficiency: N/A  
Efficacy: 66.6 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): 28.8  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

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

	0°	45°	90°
0°	1279494	1279494	1279494
5°	1248284	1249840	1256789
10°	1066135	1061186	1054925
15°	657920	650217	652606
20°	248650	250024	249750
25°	76486	83859	79887
30°	30844	39137	32017
35°	9083	16609	9398
40°	3687	6700	3687
45°	731	2168	731
50°	0	402	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: 2168 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	655.3	34.2
10°-20°	970.2	50.6
20°-30°	240.6	12.6
30°-40°	45.2	2.4
40°-50°	5.7	0.3
50°-60°	0.0	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°	1866.1	97.3
0°-40°	1911.3	99.7
0°-60°	1917.0	100.0
0°-90°	1917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1917.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7429	7429	7429	7429	7429	
5°	7220	7218	7230	7241	7270	656
15°	3690	3654	3647	3675	3660	975
25°	402	429	441	440	420	232
35°	43	57	79	58	45	36
45°	3	4	9	6	3	3
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°	7429.3	7429.3	7429.3	7429.3	7429.3
1°	7432.3	7426.3	7426.3	7417.3	7433.7
2°	7405.4	7399.5	7409.9	7402.4	7423.3
3°	7365.2	7357.7	7372.6	7377.1	7387.5
4°	7305.5	7299.6	7316.0	7324.9	7353.2
5°	7220.5	7217.6	7229.5	7241.4	7269.7
6°	7104.3	7099.8	7107.2	7122.1	7140.0
7°	6935.8	6926.8	6932.8	6935.8	6940.3
8°	6722.6	6709.2	6701.7	6718.1	6727.1
9°	6448.2	6433.3	6416.9	6411.0	6431.8
10°	6096.4	6074.0	6068.1	6053.2	6032.3
11°	5687.9	5670.0	5665.5	5638.7	5626.7
12°	5219.7	5210.8	5221.2	5204.8	5198.9
13°	4771.0	4714.3	4706.8	4675.5	4659.1
14°	4240.2	4188.0	4186.5	4170.1	4192.5
15°	3690.0	3654.3	3646.8	3675.1	3660.2
17.5°	2352.7	2376.5	2370.6	2355.7	2330.3
20°	1356.7	1340.3	1364.2	1370.2	1362.7
22.5°	723.1	729.1	733.5	751.4	763.4
25°	402.5	429.4	441.3	439.8	420.4
27.5°	250.5	266.9	289.2	274.3	257.9
30°	155.1	168.5	196.8	170.0	161.0
32.5°	83.5	105.9	126.7	105.9	86.5
35°	43.2	56.7	79.0	58.1	44.7
37.5°	28.3	32.8	50.7	32.8	28.3
40°	16.4	20.9	29.8	20.9	16.4
42.5°	7.5	11.9	16.4	11.9	7.5
45°	3.0	4.5	8.9	6.0	3.0
47.5°	0.0	1.5	4.5	1.5	0.0
50°	0.0	0.0	1.5	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)