

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: P1316081

Luminaire Tested: P3SQAS09R259827DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259827DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

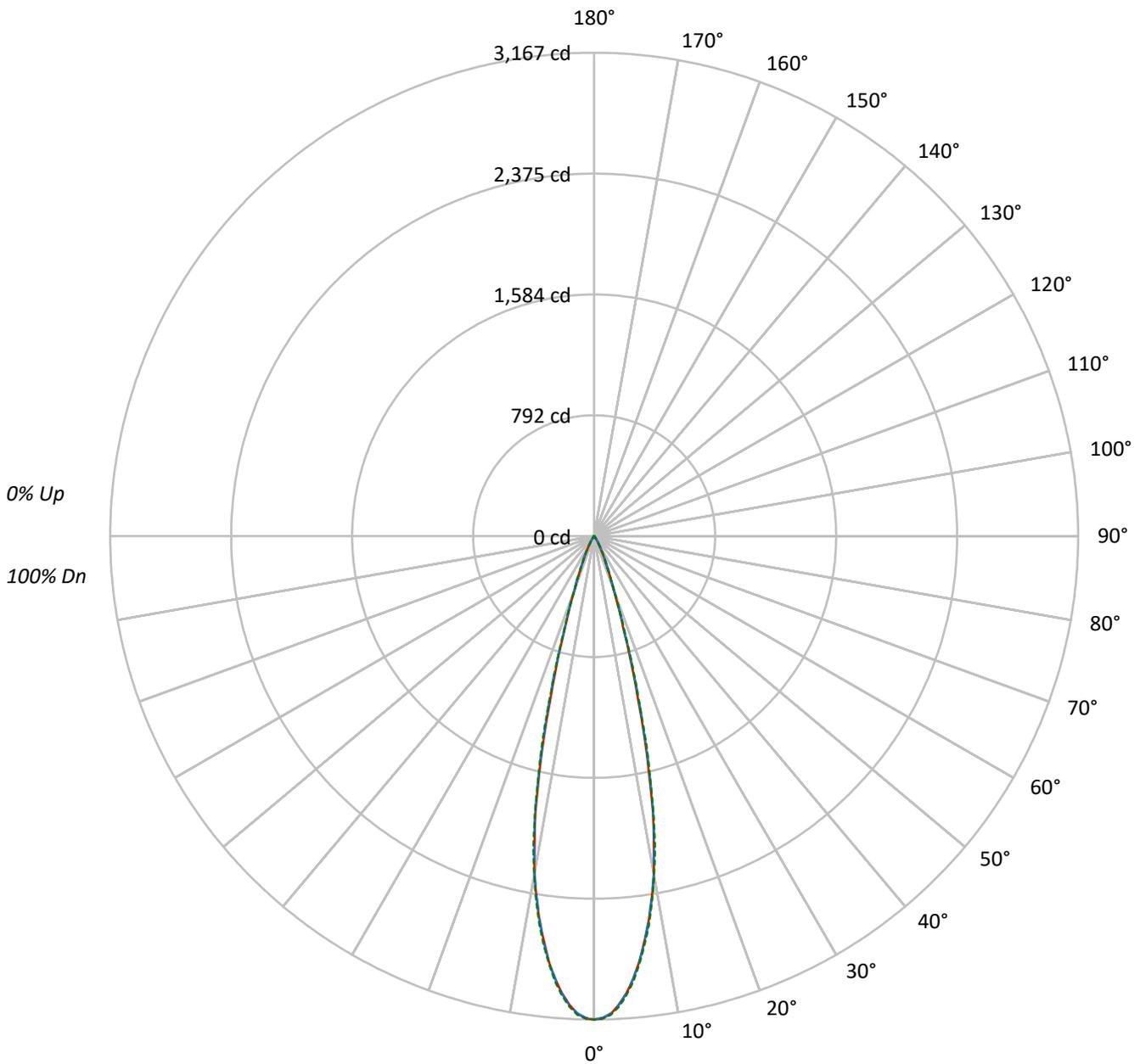
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 669.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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	110	113	111	109	108	107	106	105	103	102	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	95	95	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	93	93	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	90	90	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	87	87	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	85	85	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	83	83	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	81	81	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	79	79	79	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	77	77	77	76

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

	0°	45°	90°
0°	545395	545395	545395
5°	503756	503584	506402
10°	393514	392447	395123
15°	197964	206237	206059
20°	67739	69608	68490
25°	27212	30613	28390
30°	11057	13185	10739
35°	3217	5782	3217
40°	1484	2518	1484
45°	487	999	487
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	496	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.9	38.4
10°-20°	314.5	47.0
20°-30°	76.8	11.5
30°-40°	15.9	2.4
40°-50°	2.8	0.4
50°-60°	0.9	0.1
60°-70°	0.7	0.1
70°-80°	0.5	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°	648.2	96.9
0°-40°	664.1	99.3
0°-60°	667.7	99.8
0°-90°	669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3167	3167	3167	3167	3167	
5°	2914	2916	2913	2919	2929	257
15°	1110	1129	1157	1162	1156	310
25°	143	150	161	152	149	73
35°	15	21	28	21	15	13
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
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°	3166.8	3166.8	3166.8	3166.8	3166.8
1°	3160.7	3156.6	3155.6	3156.1	3161.2
2°	3132.1	3129.6	3129.1	3130.6	3137.7
3°	3074.0	3077.1	3078.1	3083.2	3086.7
4°	3002.6	3008.8	3006.2	3012.3	3016.4
5°	2913.9	2916.5	2912.9	2919.0	2929.2
6°	2810.4	2801.3	2809.9	2812.5	2819.6
7°	2681.5	2683.5	2686.6	2689.6	2700.3
8°	2554.5	2548.4	2546.9	2561.2	2569.8
9°	2406.2	2407.2	2401.6	2417.9	2420.5
10°	2250.2	2237.4	2244.1	2256.8	2259.4
11°	2044.2	2040.7	2050.4	2070.2	2086.0
12°	1851.0	1853.1	1863.3	1869.9	1866.3
13°	1595.6	1610.9	1623.7	1630.3	1621.6
14°	1364.7	1364.7	1381.0	1383.6	1414.7
15°	1110.3	1129.2	1156.7	1161.8	1155.7
17.5°	641.3	643.9	657.1	656.6	666.3
20°	369.6	373.2	379.8	378.3	373.7
22.5°	222.3	229.9	245.7	233.0	229.4
25°	143.2	149.9	161.1	151.9	149.4
27.5°	89.7	94.3	103.0	94.8	90.7
30°	55.6	58.1	66.3	58.6	54.0
32.5°	30.1	36.7	43.3	36.7	30.1
35°	15.3	21.4	27.5	20.9	15.3
37.5°	10.2	12.2	17.8	11.7	10.2
40°	6.6	8.2	11.2	8.2	6.6
42.5°	3.6	5.1	6.1	5.6	3.6
45°	2.0	3.1	4.1	3.1	2.0
47.5°	1.5	1.5	2.5	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	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)