

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: P1316098

Luminaire Tested: P3SQAS09R309827DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316098  
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: P3SQAS09R309827DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

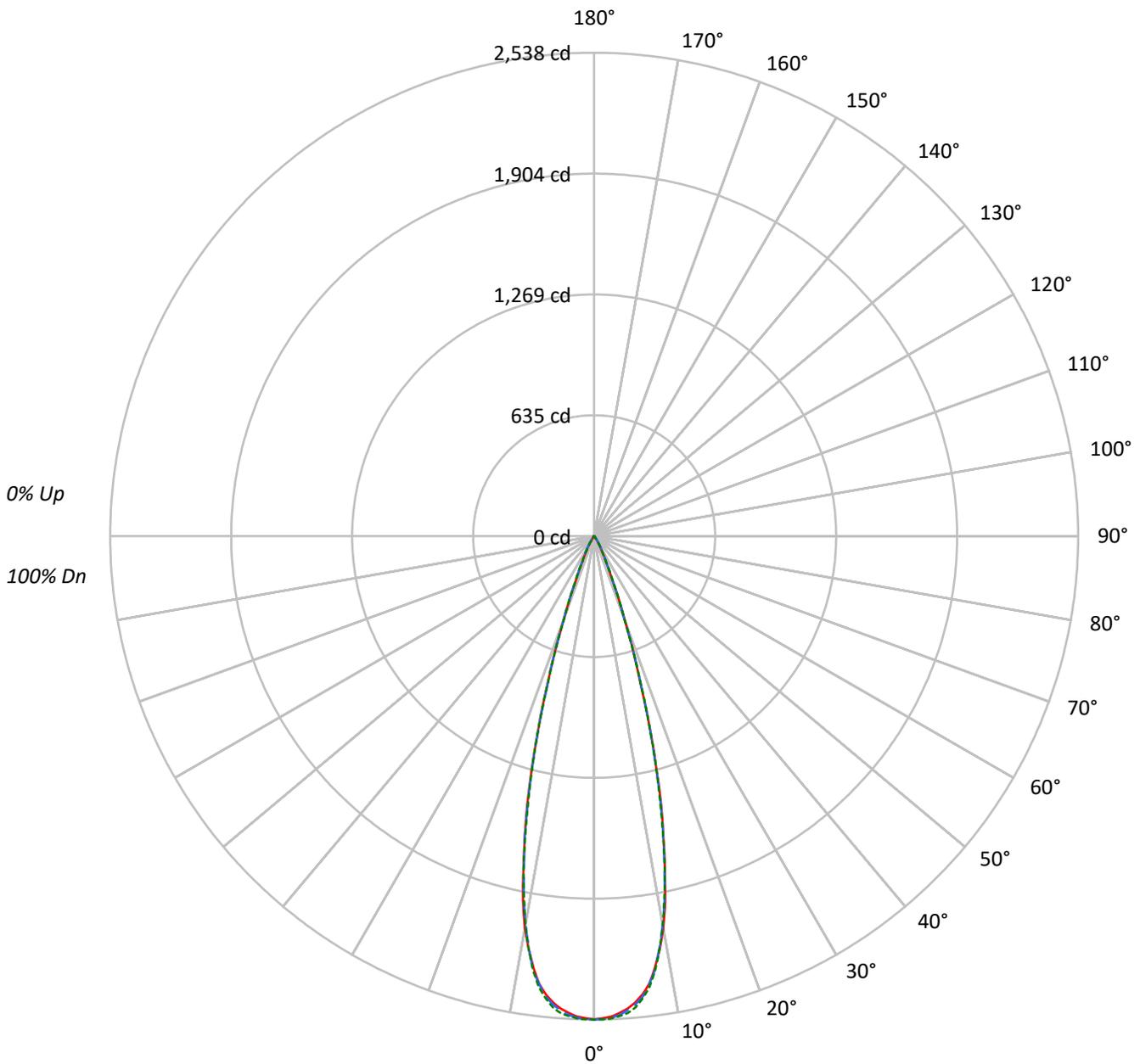
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 660.0 lumens  
Efficiency: N/A  
Efficacy: 60.0 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): 11  
Input Voltage (V): NR  
Input Current (Ain): 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	93	92	95	93	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	83	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°	437049	437049	437049
5°	425079	426928	429556
10°	365516	362403	362752
15°	224602	222783	222962
20°	85480	85663	84087
25°	27193	28637	27288
30°	10938	13563	11236
35°	3532	5992	3532
40°	1596	2630	1596
45°	609	1120	609
50°	268	536	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.8	33.9
10°-20°	332.1	50.3
20°-30°	82.5	12.5
30°-40°	16.5	2.5
40°-50°	3.0	0.5
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°	638.4	96.7
0°-40°	654.9	99.2
0°-60°	658.8	99.8
0°-90°	660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2538	2538	2538	2538	2538	
5°	2459	2467	2470	2473	2485	224
15°	1260	1262	1250	1254	1250	333
25°	143	146	151	149	144	80
35°	17	22	28	21	17	14
45°	2	3	5	4	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2537.7	2537.7	2537.7	2537.7	2537.7
1°	2532.1	2535.1	2537.2	2537.2	2537.2
2°	2525.0	2527.0	2530.1	2530.6	2534.6
3°	2508.2	2512.7	2517.8	2520.9	2522.9
4°	2487.8	2493.9	2497.0	2504.6	2511.2
5°	2458.8	2466.9	2469.5	2473.0	2484.7
6°	2419.6	2425.7	2430.8	2432.3	2439.4
7°	2367.6	2370.7	2369.7	2372.2	2384.9
8°	2288.7	2289.7	2298.4	2292.8	2301.4
9°	2195.0	2190.9	2188.9	2193.0	2193.5
10°	2090.1	2076.4	2072.3	2068.7	2074.3
11°	1954.2	1936.4	1937.9	1936.9	1928.7
12°	1785.1	1783.1	1769.9	1772.4	1784.6
13°	1612.5	1616.1	1613.6	1616.6	1602.9
14°	1450.6	1433.3	1437.9	1420.6	1427.2
15°	1259.7	1262.2	1249.5	1253.6	1250.5
17.5°	806.5	812.1	808.0	804.5	810.1
20°	466.4	465.9	467.4	462.8	458.8
22.5°	245.4	249.0	253.6	254.1	257.1
25°	143.1	146.1	150.7	148.7	143.6
27.5°	87.6	93.2	100.3	95.2	89.1
30°	55.0	59.6	68.2	60.1	56.5
32.5°	31.1	37.7	44.8	37.7	31.1
35°	16.8	21.9	28.5	21.4	16.8
37.5°	11.2	12.7	18.8	12.7	11.2
40°	7.1	8.7	11.7	8.7	7.1
42.5°	4.1	5.6	6.6	5.6	4.1
45°	2.5	3.1	4.6	3.6	2.5
47.5°	1.0	1.5	3.1	1.5	1.5
50°	1.0	1.0	2.0	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	0.5	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	0.0	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)