

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: P1311138

Luminaire Tested: P3SQAS09R259050DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311138  
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: P3SQAS09R259050DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

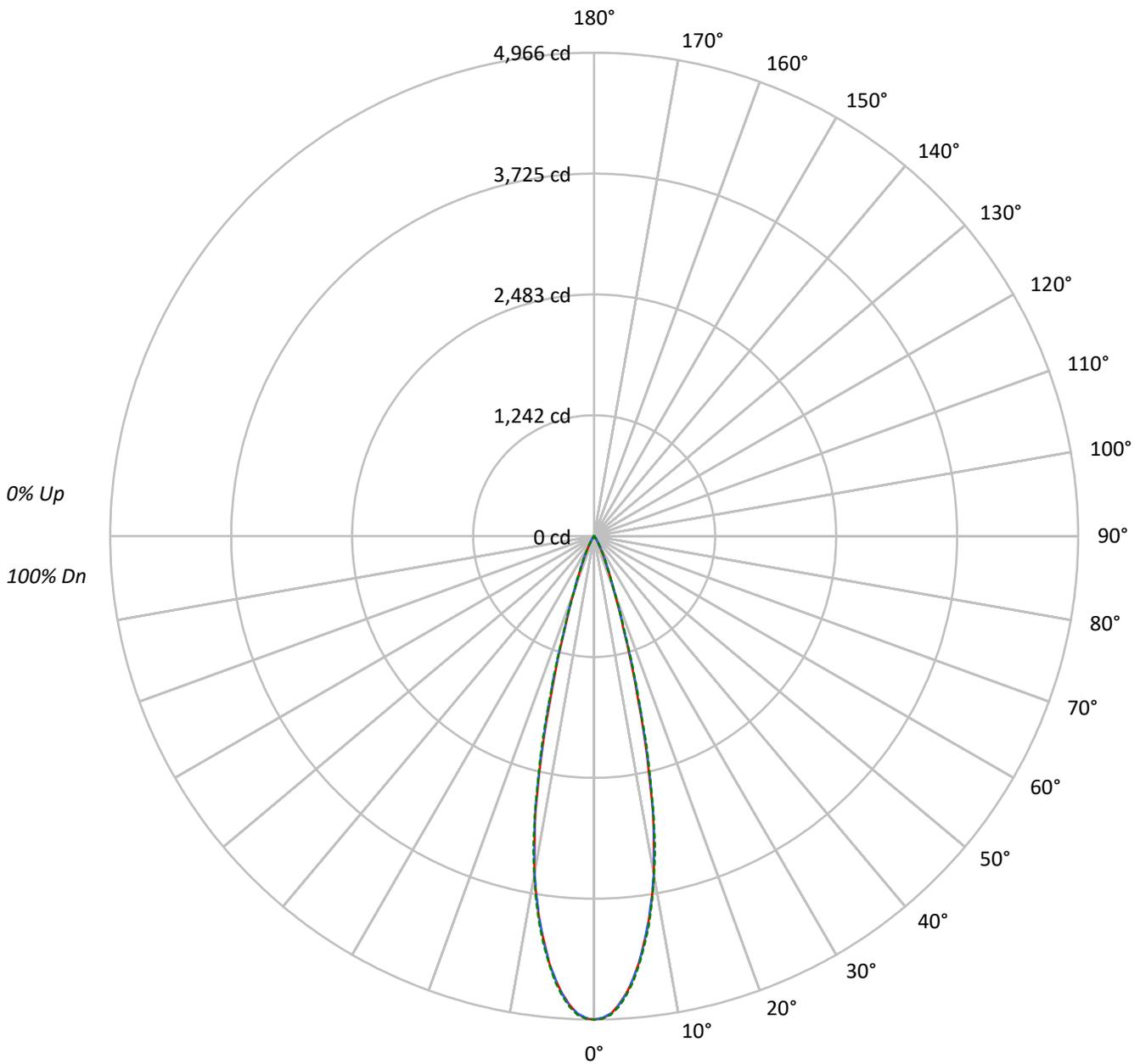
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1049.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 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): 11.1  
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	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

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

	0°	45°	90°
0°	855189	855189	855189
5°	789908	789632	794057
10°	617027	615348	619545
15°	310417	323379	323094
20°	106208	109141	107381
25°	42680	48001	44504
30°	17321	20662	16844
35°	5046	9083	5046
40°	2338	3957	2338
45°	779	1559	779
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	793	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1559 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.8	38.4
10°-20°	493.1	47.0
20°-30°	120.5	11.5
30°-40°	24.9	2.4
40°-50°	4.4	0.4
50°-60°	1.5	0.1
60°-70°	1.1	0.1
70°-80°	0.8	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°	1016.4	96.9
0°-40°	1041.3	99.3
0°-60°	1047.1	99.8
0°-90°	1049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4966	4966	4966	4966	4966	
5°	4569	4573	4568	4577	4593	402
15°	1741	1771	1814	1822	1812	486
25°	225	235	253	238	234	115
35°	24	34	43	33	24	20
45°	3	5	6	5	3	3
55°	2	2	2	2	2	1
65°	1	2	1	1	1	1
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°	4965.6	4965.6	4965.6	4965.6	4965.6
1°	4956.0	4949.6	4948.0	4948.8	4956.8
2°	4911.2	4907.2	4906.4	4908.8	4920.0
3°	4820.1	4824.9	4826.5	4834.5	4840.1
4°	4708.2	4717.8	4713.8	4723.4	4729.7
5°	4569.1	4573.1	4567.5	4577.1	4593.1
6°	4406.8	4392.4	4406.0	4410.0	4421.2
7°	4204.6	4207.8	4212.6	4217.4	4234.2
8°	4005.5	3995.9	3993.5	4015.9	4029.5
9°	3772.9	3774.5	3765.7	3791.3	3795.3
10°	3528.3	3508.3	3518.7	3538.7	3542.7
11°	3205.4	3199.8	3215.0	3246.2	3270.9
12°	2902.4	2905.6	2921.6	2932.0	2926.4
13°	2502.0	2525.9	2545.9	2556.3	2542.7
14°	2139.9	2139.9	2165.4	2169.4	2218.2
15°	1741.0	1770.6	1813.7	1821.7	1812.1
17.5°	1005.6	1009.6	1030.4	1029.6	1044.7
20°	579.5	585.1	595.5	593.1	585.9
22.5°	348.5	360.5	385.3	365.3	359.7
25°	224.6	235.0	252.6	238.2	234.2
27.5°	140.7	147.9	161.5	148.7	142.3
30°	87.1	91.1	103.9	91.9	84.7
32.5°	47.2	57.6	67.9	57.6	47.2
35°	24.0	33.6	43.2	32.8	24.0
37.5°	16.0	19.2	28.0	18.4	16.0
40°	10.4	12.8	17.6	12.8	10.4
42.5°	5.6	8.0	9.6	8.8	5.6
45°	3.2	4.8	6.4	4.8	3.2
47.5°	2.4	2.4	4.0	2.4	1.6
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	0.8	1.6	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	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)