

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: P1308442

Luminaire Tested: P3SQAS24R259030D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308442  
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: P3SQAS24R259030D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

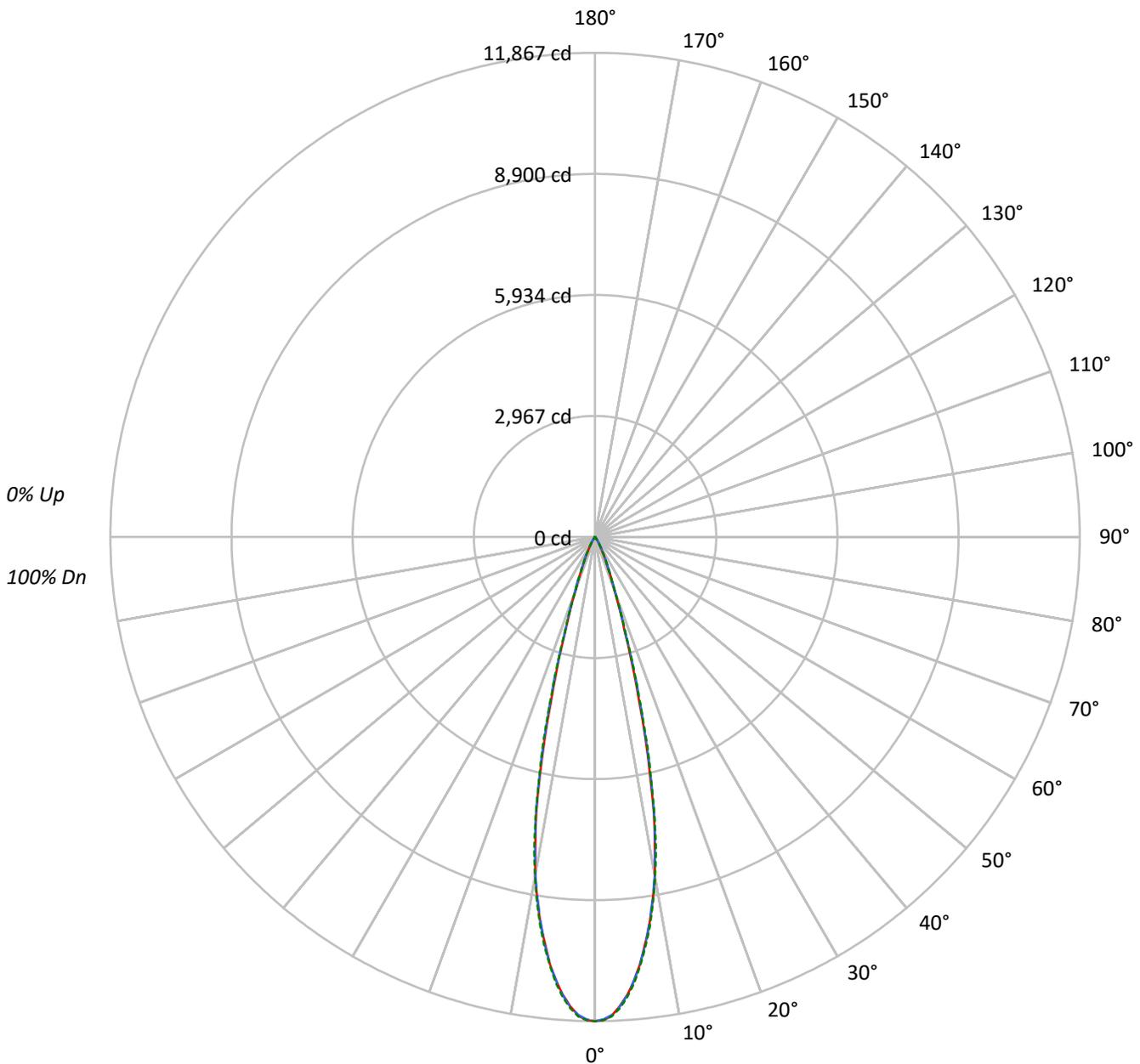
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2506.9 lumens  
Efficiency: N/A  
Efficacy: 87.0 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): 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	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°	2043801	2043801	2043801
5°	1887786	1887129	1897692
10°	1474636	1470631	1480652
15°	741862	772851	772173
20°	253837	260838	256641
25°	102006	114719	106358
30°	41404	49378	40270
35°	12047	21697	12047
40°	5576	9442	5576
45°	1851	3726	1851
50°	1018	1527	1018
55°	1141	1141	1141
60°	1309	1309	1309
65°	774	774	774
70°	957	957	957
75°	1264	1264	1264
80°	0	1884	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3726 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	962.8	38.4
10°-20°	1178.4	47.0
20°-30°	287.9	11.5
30°-40°	59.5	2.4
40°-50°	10.4	0.4
50°-60°	3.5	0.1
60°-70°	2.7	0.1
70°-80°	1.8	0.1
80°-90°	0.1	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°	2429.0	96.9
0°-40°	2488.5	99.3
0°-60°	2502.4	99.8
0°-90°	2506.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2506.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11867	11867	11867	11867	11867	
5°	10920	10929	10916	10939	10977	962
15°	4161	4231	4335	4354	4331	1162
25°	537	562	604	569	560	275
35°	57	80	103	78	57	49
45°	8	12	15	12	8	8
55°	4	4	4	4	4	3
65°	2	4	2	2	2	3
75°	2	2	2	2	2	2
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°	11867.2	11867.2	11867.2	11867.2	11867.2
1°	11844.2	11828.9	11825.1	11827.0	11846.1
2°	11737.3	11727.7	11725.8	11731.5	11758.3
3°	11519.5	11530.9	11534.8	11553.9	11567.2
4°	11252.0	11274.9	11265.4	11288.3	11303.6
5°	10919.6	10929.2	10915.8	10938.7	10976.9
6°	10531.8	10497.4	10529.9	10539.5	10566.2
7°	10048.5	10056.1	10067.6	10079.1	10119.2
8°	9572.8	9549.9	9544.2	9597.6	9630.1
9°	9016.9	9020.7	8999.7	9060.8	9070.4
10°	8432.3	8384.6	8409.4	8457.2	8466.7
11°	7660.5	7647.2	7683.5	7758.0	7817.2
12°	6936.5	6944.2	6982.4	7007.2	6993.8
13°	5979.4	6036.7	6084.5	6109.3	6076.9
14°	5114.0	5114.0	5175.2	5184.7	5301.2
15°	4160.8	4231.4	4334.6	4353.7	4330.8
17.5°	2403.2	2412.8	2462.5	2460.5	2496.8
20°	1385.0	1398.4	1423.2	1417.5	1400.3
22.5°	832.9	861.6	920.8	873.0	859.7
25°	536.8	561.6	603.7	569.3	559.7
27.5°	336.2	353.4	385.9	355.3	340.0
30°	208.2	217.8	248.3	219.7	202.5
32.5°	112.7	137.5	162.4	137.5	112.7
35°	57.3	80.2	103.2	78.3	57.3
37.5°	38.2	45.8	66.9	43.9	38.2
40°	24.8	30.6	42.0	30.6	24.8
42.5°	13.4	19.1	22.9	21.0	13.4
45°	7.6	11.5	15.3	11.5	7.6
47.5°	5.7	5.7	9.6	5.7	3.8
50°	3.8	3.8	5.7	3.8	3.8
52.5°	3.8	3.8	3.8	3.8	3.8
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.8	3.8	3.8	3.8	3.8
65°	1.9	3.8	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	0.0	0.0	1.9	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)