

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: P1308529

Luminaire Tested: P3SQAS24R609030D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

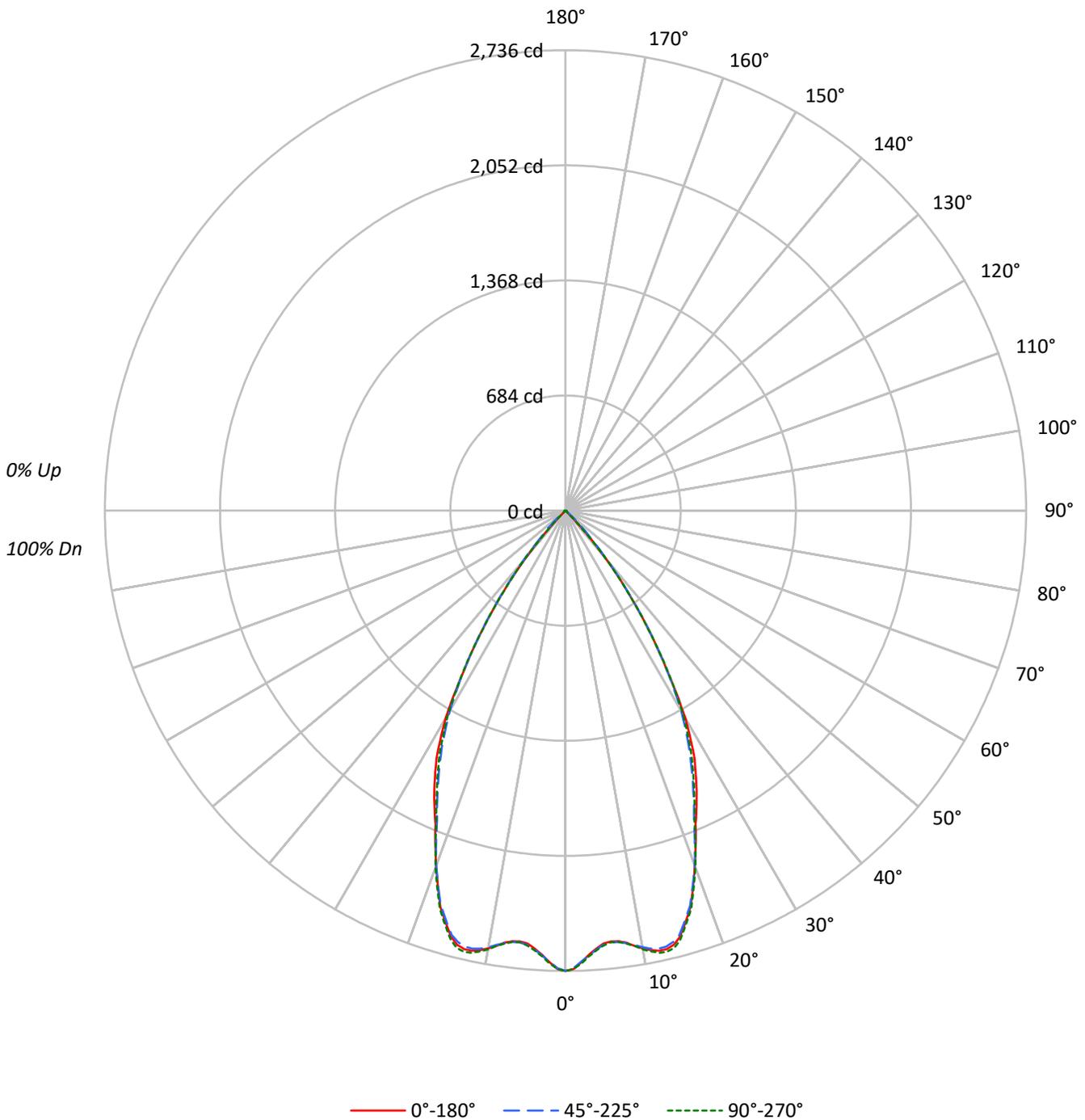
Test Method: LM-79-2019  
Report Number: P1308529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R609030D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2439.9 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

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

	0°	45°	90°
0°	471132	471132	471132
5°	446533	447847	448504
10°	462032	460702	463046
15°	467676	465625	470386
20°	411802	411454	413543
25°	350428	340262	343169
30°	282827	272963	277517
35°	179003	180600	178603
40°	83701	87118	84982
45°	5115	30689	6040
50°	2545	7154	2545
55°	2852	2852	2852
60°	2618	2618	2618
65°	2323	3097	2323
70°	2870	2870	2870
75°	2529	2529	2529
80°	1884	1884	1884
85°	3754	3754	3754

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 30689 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.3	10.2
10°-20°	718.1	29.4
20°-30°	827.7	33.9
30°-40°	531.5	21.8
40°-50°	92.5	3.8
50°-60°	8.8	0.4
60°-70°	6.7	0.3
70°-80°	4.0	0.2
80°-90°	1.3	0.1
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°	1795.1	73.6
0°-40°	2326.7	95.4
0°-60°	2427.9	99.5
0°-90°	2439.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2439.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2736	2736	2736	2736	2736	
5°	2583	2589	2590	2596	2594	249
15°	2623	2613	2612	2629	2638	719
25°	1844	1823	1791	1792	1806	841
35°	851	846	859	842	850	531
45°	21	63	126	74	25	70
55°	10	10	10	10	10	8
65°	6	8	8	8	6	6
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2735.6	2735.6	2735.6	2735.6	2735.6
1°	2724.1	2722.2	2720.3	2722.2	2724.1
2°	2686.0	2684.0	2682.1	2689.8	2693.6
3°	2644.0	2645.9	2647.8	2651.6	2653.5
4°	2609.6	2613.4	2615.3	2619.1	2621.0
5°	2582.9	2588.6	2590.5	2596.2	2594.3
6°	2575.2	2579.1	2581.0	2582.9	2579.1
7°	2579.1	2581.0	2582.9	2586.7	2582.9
8°	2592.4	2594.3	2596.2	2598.1	2598.1
9°	2619.1	2615.3	2613.4	2621.0	2619.1
10°	2642.0	2636.3	2634.4	2645.9	2647.8
11°	2661.1	2653.5	2651.6	2665.0	2668.8
12°	2674.5	2663.0	2661.1	2678.3	2686.0
13°	2674.5	2659.2	2659.2	2678.3	2689.8
14°	2659.2	2642.0	2642.0	2663.0	2676.4
15°	2623.0	2613.4	2611.5	2628.7	2638.2
17.5°	2470.2	2458.8	2460.7	2479.8	2481.7
20°	2246.9	2241.2	2245.0	2248.8	2256.4
22.5°	2019.7	2015.9	1994.9	2000.6	2004.4
25°	1844.1	1823.1	1790.6	1792.5	1805.9
27.5°	1658.9	1637.9	1592.1	1601.6	1615.0
30°	1422.2	1405.0	1372.6	1378.3	1395.5
32.5°	1116.8	1151.1	1120.6	1130.1	1124.4
35°	851.4	845.7	859.0	841.9	849.5
37.5°	599.4	601.3	607.1	591.8	591.8
40°	372.3	381.8	387.5	379.9	378.0
42.5°	156.5	213.8	225.3	213.8	158.4
45°	21.0	63.0	126.0	74.5	24.8
47.5°	9.5	13.4	66.8	13.4	9.5
50°	9.5	9.5	26.7	9.5	9.5
52.5°	9.5	9.5	9.5	9.5	9.5
55°	9.5	9.5	9.5	9.5	9.5
57.5°	9.5	9.5	9.5	9.5	9.5
60°	7.6	7.6	7.6	7.6	7.6
62.5°	7.6	7.6	7.6	7.6	7.6
65°	5.7	7.6	7.6	7.6	5.7
67.5°	5.7	5.7	5.7	5.7	5.7
70°	5.7	5.7	5.7	5.7	5.7
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.8	3.8	3.8	3.8	3.8
77.5°	3.8	3.8	3.8	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9
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)