

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: P1311834

Luminaire Tested: P3SQAS24R609050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R609050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

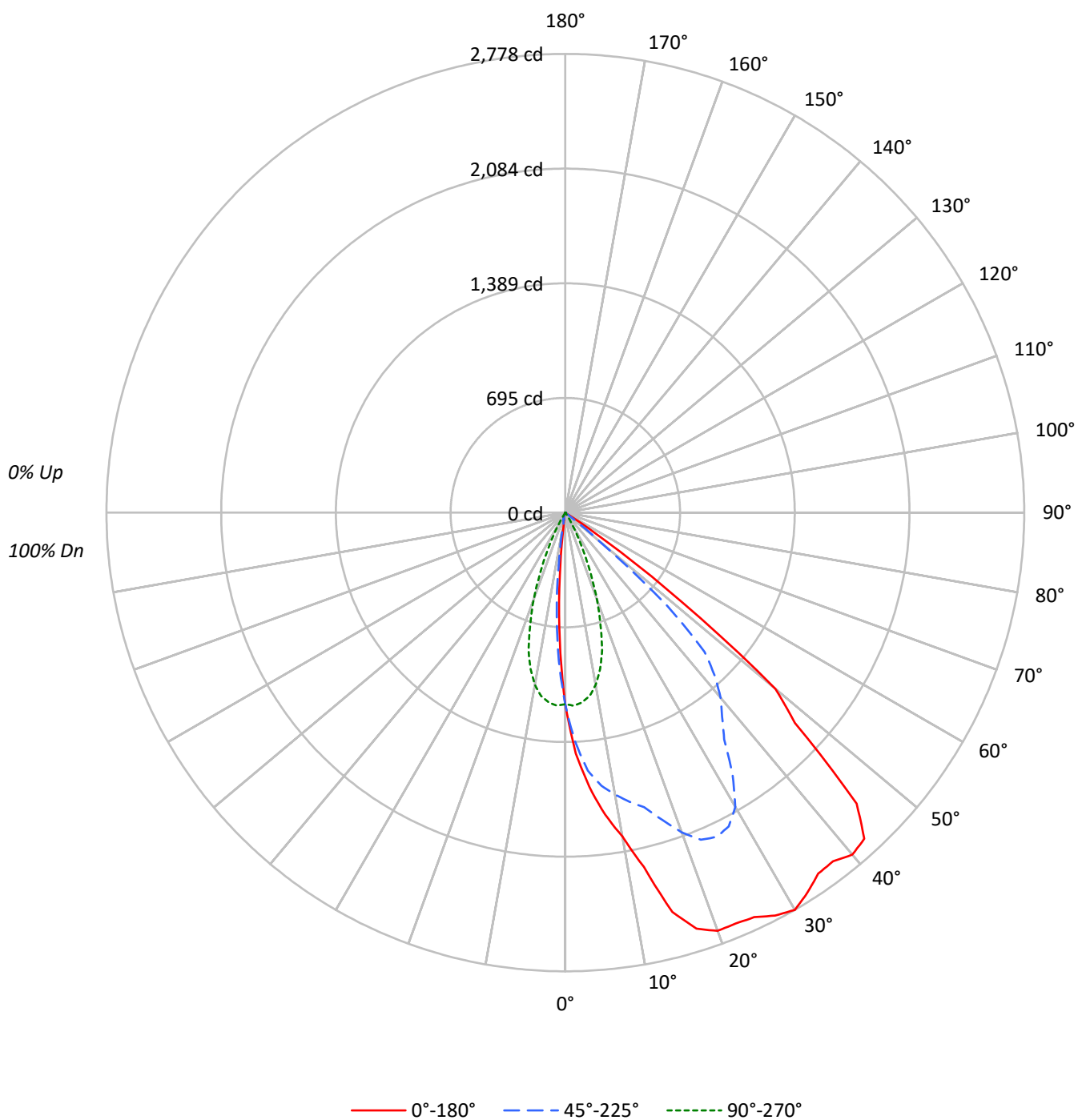
Lumens per Lamp: N/A
Luminaire Lumens: 1885.1 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	199744	199744	199744	199744	199744
5°	287915	271146	199435	102743	66006
10°	348255	303154	185145	12277	7223
15°	446316	329316	153425	8095	6615
20°	493946	377456	102873	4545	751
25°	513718	411750	50585	399	0
30°	552389	409166	13960	0	0
35°	560997	352308	0	0	0
40°	607780	328486	0	0	0
45°	607170	290006	0	0	0
50°	444551	70225	0	0	0
55°	86745	0	0	0	0
60°	0	0	0	0	0
65°	0	856	856	0	0
70°	0	1057	1057	0	0
75°	0	1397	1397	0	0
80°	0	2083	2083	2083	0
85°	0	4150	4150	4150	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 608168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	5.3
10°-20°	283.7	15.0
20°-30°	452.0	24.0
30°-40°	522.5	27.7
40°-50°	415.0	22.0
50°-60°	109.2	5.8
60°-70°	0.8	0.0
70°-80°	1.2	0.1
80°-90°	1.2	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°	835.2	44.3
0°-40°	1357.7	72.0
0°-60°	1881.9	99.8
0°-90°	1885.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1885.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1160	1160	1160	1160	1160	
5°	1665	1568	1154	594	382	168
15°	2503	1847	860	45	37	698
25°	2703	2167	266	2	0	1261
35°	2668	1676	0	0	0	1695
45°	2493	1191	0	0	0	1775
55°	289	0	0	0	0	436
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8
2.5°	1459.0	1473.4	1467.3	1461.1	1446.6	1440.4	1440.4	1423.9	1397.1	1393.0	1374.4
5°	1665.4	1669.5	1669.5	1665.4	1655.0	1638.5	1634.4	1617.9	1593.1	1568.4	1543.6
7.5°	1844.9	1842.8	1830.5	1822.2	1803.6	1780.9	1760.3	1737.6	1700.4	1667.4	1632.3
10°	1991.4	1997.6	1987.3	1966.7	1941.9	1910.9	1877.9	1838.7	1783.0	1733.5	1688.1
12.5°	2197.8	2195.7	2168.9	2133.8	2074.0	2016.2	1964.6	1921.3	1853.2	1793.3	1737.6
15°	2503.2	2499.1	2474.3	2443.4	2356.7	2270.0	2181.3	2059.5	1946.0	1847.0	1768.5
17.5°	2641.5	2649.7	2629.1	2612.6	2563.1	2505.3	2426.9	2305.1	2129.7	1950.2	1785.1
20°	2695.1	2705.4	2691.0	2688.9	2666.2	2639.4	2575.4	2443.4	2272.1	2059.5	1855.2
22.5°	2693.1	2701.3	2695.1	2722.0	2748.8	2734.3	2655.9	2523.8	2348.4	2144.1	1913.0
25°	2703.4	2697.2	2674.5	2713.7	2752.9	2740.5	2701.3	2587.8	2395.9	2166.8	1933.6
27.5°	2750.8	2705.4	2660.0	2709.6	2728.1	2732.3	2709.6	2575.4	2387.6	2142.1	1892.4
30°	2777.7	2728.1	2691.0	2732.3	2732.3	2755.0	2707.5	2554.8	2317.5	2057.5	1783.0
32.5°	2728.1	2717.8	2750.8	2792.1	2802.4	2802.4	2697.2	2486.7	2199.9	1884.1	1607.6
35°	2668.3	2693.1	2788.0	2806.6	2806.6	2761.2	2633.2	2367.0	2024.4	1675.7	1477.6
37.5°	2662.1	2701.3	2806.6	2783.9	2746.7	2662.1	2476.4	2158.6	1774.7	1558.1	1380.6
40°	2703.4	2740.5	2802.4	2719.9	2631.2	2499.1	2276.2	1886.2	1624.1	1461.1	1263.0
42.5°	2678.6	2713.7	2715.8	2594.0	2468.1	2288.6	1993.5	1665.4	1514.7	1337.2	1128.8
45°	2492.9	2497.0	2488.8	2358.8	2228.7	2043.0	1729.3	1556.0	1395.0	1190.7	829.6
47.5°	1884.1	1875.9	1906.8	1869.7	1875.9	1764.4	1570.4	1428.0	1236.1	835.8	251.8
50°	1659.2	1648.9	1617.9	1584.9	1551.9	1498.2	1407.4	1254.7	891.5	262.1	8.3
52.5°	889.4	939.0	1036.0	1184.5	1240.3	1236.1	1168.0	928.6	280.7	2.1	0.0
55°	288.9	284.8	317.8	375.6	515.9	594.3	619.1	315.7	6.2	0.0	0.0
57.5°	0.0	0.0	0.0	6.2	20.6	53.7	70.2	4.1	0.0	2.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8
2.5°	1349.6	1320.7	1287.7	1170.1	1031.8	897.7	800.7	775.9
5°	1504.4	1454.9	1384.7	1153.6	852.3	594.3	425.1	381.8
7.5°	1584.9	1541.5	1467.3	1120.6	660.4	293.0	109.4	74.3
10°	1634.4	1582.8	1500.3	1058.7	431.3	70.2	39.2	41.3
12.5°	1669.5	1609.6	1516.8	969.9	218.7	35.1	49.5	51.6
15°	1683.9	1620.0	1514.7	860.5	78.4	45.4	43.3	37.1
17.5°	1675.7	1595.2	1487.9	703.7	26.8	43.3	22.7	18.6
20°	1665.4	1574.6	1444.6	561.3	22.7	24.8	8.3	4.1
22.5°	1698.4	1539.5	1384.7	402.4	22.7	8.3	0.0	0.0
25°	1702.5	1525.0	1308.4	266.2	10.3	2.1	0.0	0.0
27.5°	1661.2	1440.4	1190.7	156.8	0.0	0.0	0.0	0.0
30°	1529.2	1335.2	1064.8	70.2	0.0	0.0	0.0	0.0
32.5°	1399.2	1217.6	924.5	16.5	0.0	0.0	0.0	0.0
35°	1296.0	1095.8	769.7	0.0	0.0	0.0	0.0	0.0
37.5°	1168.0	951.3	573.7	0.0	0.0	0.0	0.0	0.0
40°	1033.9	767.7	286.8	0.0	0.0	0.0	0.0	0.0
42.5°	806.9	365.3	28.9	0.0	0.0	0.0	0.0	0.0
45°	309.5	33.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
65°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
67.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
70°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
72.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
75°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
77.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
80°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
82.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
85°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)