

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: P1307257

Luminaire Tested: P3SQAS20R609027D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307257
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: P3SQAS20R609027D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

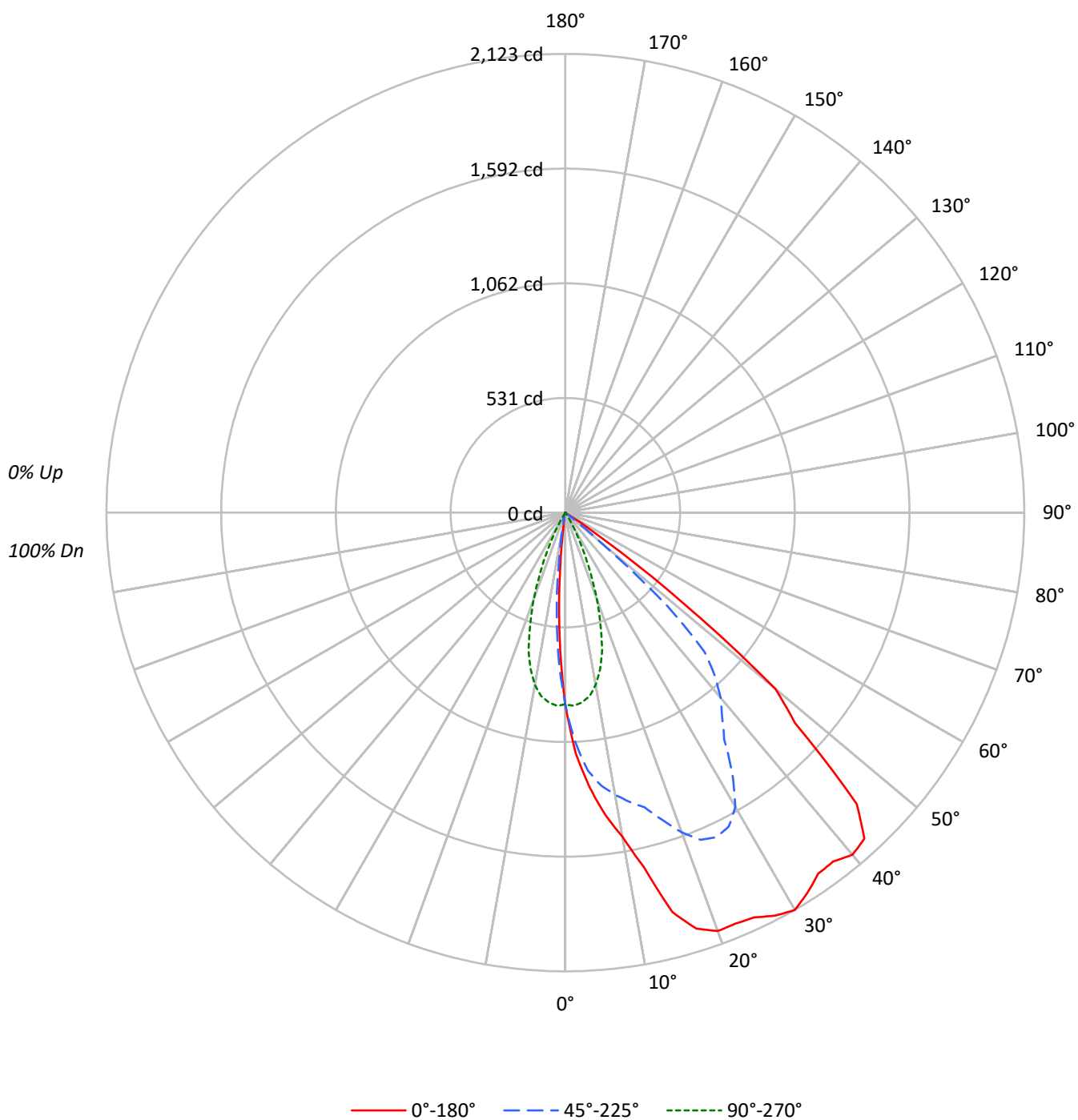
Lumens per Lamp: N/A
Luminaire Lumens: 1441.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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						
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	64	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°	152693	152693	152693	152693	152693
5°	220094	207284	152463	78540	50464
10°	266236	231750	141530	9374	5526
15°	341191	251739	117284	6187	5064
20°	377603	288549	78644	3464	586
25°	392709	314779	38670	304	0
30°	422271	312776	10659	0	0
35°	428858	269324	0	0	0
40°	464614	251102	0	0	0
45°	464152	221712	0	0	0
50°	339844	53693	0	0	0
55°	66328	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	1587	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 464931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	5.3
10°-20°	216.8	15.0
20°-30°	345.5	24.0
30°-40°	399.4	27.7
40°-50°	317.2	22.0
50°-60°	83.5	5.8
60°-70°	0.6	0.0
70°-80°	0.9	0.1
80°-90°	0.9	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°	638.5	44.3
0°-40°	1037.9	72.0
0°-60°	1438.6	99.8
0°-90°	1441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	887	887	887	887	887	
5°	1273	1199	882	454	292	129
15°	1914	1412	658	35	28	533
25°	2067	1656	204	2	0	964
35°	2040	1281	0	0	0	1296
45°	1906	910	0	0	0	1357
55°	221	0	0	0	0	333
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°	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6
2.5°	1115.3	1126.4	1121.7	1116.9	1105.9	1101.1	1101.1	1088.5	1068.0	1064.9	1050.7
5°	1273.1	1276.3	1276.3	1273.1	1265.2	1252.6	1249.4	1236.8	1217.9	1199.0	1180.0
7.5°	1410.3	1408.8	1399.3	1393.0	1378.8	1361.4	1345.7	1328.3	1299.9	1274.7	1247.9
10°	1522.4	1527.1	1519.2	1503.4	1484.5	1460.8	1435.6	1405.6	1363.0	1325.2	1290.5
12.5°	1680.1	1678.5	1658.0	1631.2	1585.5	1541.3	1501.8	1468.7	1416.7	1370.9	1328.3
15°	1913.6	1910.4	1891.5	1867.8	1801.6	1735.3	1667.5	1574.4	1487.7	1411.9	1352.0
17.5°	2019.3	2025.6	2009.8	1997.2	1959.3	1915.2	1855.2	1762.1	1628.1	1490.8	1364.6
20°	2060.3	2068.2	2057.2	2055.6	2038.2	2017.7	1968.8	1867.8	1736.9	1574.4	1418.2
22.5°	2058.7	2065.0	2060.3	2080.8	2101.3	2090.3	2030.3	1929.4	1795.3	1639.1	1462.4
25°	2066.6	2061.9	2044.5	2074.5	2104.5	2095.0	2065.0	1978.3	1831.6	1656.5	1478.2
27.5°	2102.9	2068.2	2033.5	2071.4	2085.5	2088.7	2071.4	1968.8	1825.3	1637.5	1446.6
30°	2123.4	2085.5	2057.2	2088.7	2088.7	2106.1	2069.8	1953.0	1771.6	1572.8	1363.0
32.5°	2085.5	2077.7	2102.9	2134.5	2142.3	2142.3	2061.9	1901.0	1681.7	1440.3	1228.9
35°	2039.8	2058.7	2131.3	2145.5	2145.5	2110.8	2013.0	1809.5	1547.6	1281.0	1129.5
37.5°	2035.1	2065.0	2145.5	2128.1	2099.7	2035.1	1893.1	1650.1	1356.7	1191.1	1055.4
40°	2066.6	2095.0	2142.3	2079.2	2011.4	1910.4	1740.1	1441.9	1241.5	1116.9	965.5
42.5°	2047.7	2074.5	2076.1	1983.0	1886.8	1749.5	1523.9	1273.1	1157.9	1022.3	862.9
45°	1905.7	1908.9	1902.6	1803.2	1703.8	1561.8	1322.0	1189.5	1066.4	910.3	634.2
47.5°	1440.3	1434.0	1457.7	1429.3	1434.0	1348.8	1200.5	1091.7	945.0	638.9	192.5
50°	1268.4	1260.5	1236.8	1211.6	1186.3	1145.3	1075.9	959.2	681.5	200.4	6.3
52.5°	679.9	717.8	791.9	905.5	948.1	945.0	892.9	709.9	214.5	1.6	0.0
55°	220.9	217.7	242.9	287.1	394.4	454.3	473.3	241.4	4.7	0.0	0.0
57.5°	0.0	0.0	0.0	4.7	15.8	41.0	53.6	3.2	0.0	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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°	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6
2.5°	1031.7	1009.6	984.4	894.5	788.8	686.2	612.1	593.2
5°	1150.0	1112.2	1058.6	881.9	651.5	454.3	325.0	291.9
7.5°	1211.6	1178.4	1121.7	856.6	504.8	224.0	83.6	56.8
10°	1249.4	1210.0	1146.9	809.3	329.7	53.6	30.0	31.6
12.5°	1276.3	1230.5	1159.5	741.5	167.2	26.8	37.9	39.4
15°	1287.3	1238.4	1157.9	657.8	59.9	34.7	33.1	28.4
17.5°	1281.0	1219.5	1137.4	538.0	20.5	33.1	17.4	14.2
20°	1273.1	1203.7	1104.3	429.1	17.4	18.9	6.3	3.2
22.5°	1298.3	1176.9	1058.6	307.6	17.4	6.3	0.0	0.0
25°	1301.5	1165.8	1000.2	203.5	7.9	1.6	0.0	0.0
27.5°	1269.9	1101.1	910.3	119.9	0.0	0.0	0.0	0.0
30°	1169.0	1020.7	814.0	53.6	0.0	0.0	0.0	0.0
32.5°	1069.6	930.8	706.8	12.6	0.0	0.0	0.0	0.0
35°	990.7	837.7	588.4	0.0	0.0	0.0	0.0	0.0
37.5°	892.9	727.3	438.6	0.0	0.0	0.0	0.0	0.0
40°	790.4	586.9	219.3	0.0	0.0	0.0	0.0	0.0
42.5°	616.8	279.2	22.1	0.0	0.0	0.0	0.0	0.0
45°	236.6	25.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	12.6	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°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
67.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
77.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)