

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: P1312641

Luminaire Tested: P3SQAS17R559727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

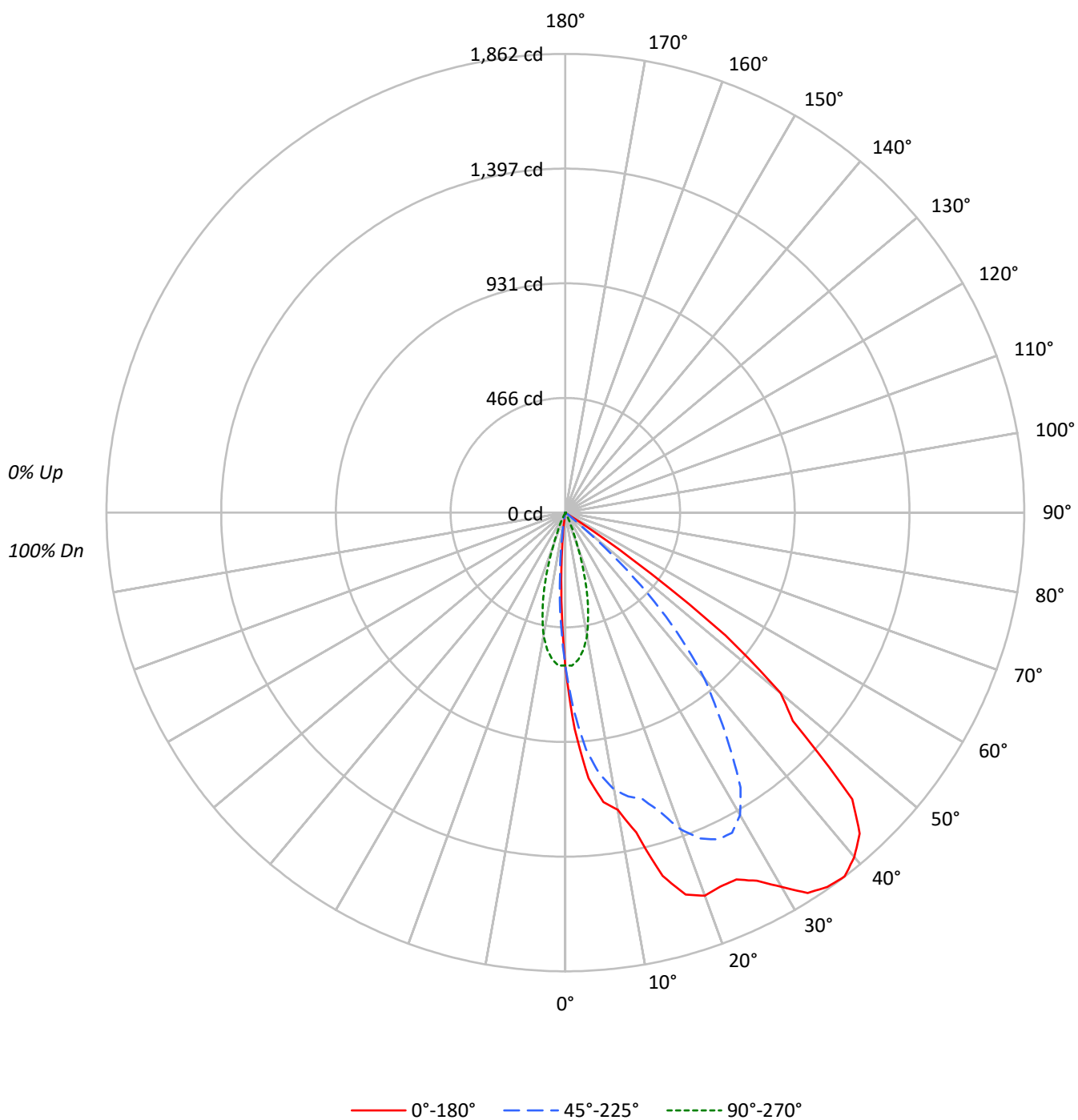
Lumens per Lamp: N/A
Luminaire Lumens: 1147.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1312641

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312641

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCA301MMS

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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	106744	106744	106744	106744	106744
5°	187091	166778	103607	43047	24791
10°	214140	199625	88594	4704	1696
15°	272136	214296	60728	963	571
20°	303248	250684	26667	0	0
25°	312157	278161	7582	0	0
30°	348751	281872	1074	0	0
35°	389794	244746	0	0	0
40°	410028	197010	0	0	0
45°	400875	124435	0	0	0
50°	305254	25427	0	0	0
55°	100017	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	2182	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 400875 cd/sqm

TEST NUMBER: P1312641

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	4.9
10°-20°	166.0	14.5
20°-30°	269.9	23.5
30°-40°	320.7	28.0
40°-50°	262.3	22.9
50°-60°	69.5	6.1
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.8	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°	492.5	42.9
0°-40°	813.2	70.9
0°-60°	1145.0	99.8
0°-90°	1147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	620	620	620	620	620	
5°	1082	965	599	249	143	106
15°	1526	1202	341	5	3	427
25°	1643	1464	40	0	0	774
35°	1854	1164	0	0	0	1153
45°	1646	511	0	0	0	1181
55°	333	0	0	0	0	374
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312641

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8
2.5°	879.6	873.1	874.2	870.9	874.2	860.2	845.1	831.1	820.3	805.2	713.6
5°	1082.2	1071.4	1068.2	1063.9	1059.6	1042.3	1028.3	1011.1	990.6	964.7	796.6
7.5°	1184.6	1176.0	1171.7	1173.8	1164.1	1157.7	1139.3	1119.9	1098.4	1070.3	859.1
10°	1224.5	1215.9	1214.8	1213.7	1212.6	1208.3	1199.7	1182.4	1163.0	1141.5	894.7
12.5°	1329.0	1309.6	1296.7	1281.6	1263.3	1239.6	1220.2	1205.1	1197.5	1180.3	910.8
15°	1526.3	1508.0	1494.0	1474.6	1440.1	1389.4	1343.1	1283.8	1232.0	1201.9	904.4
17.5°	1625.5	1616.8	1605.0	1592.0	1568.3	1531.7	1484.3	1421.7	1356.0	1270.8	873.1
20°	1654.6	1650.3	1641.6	1636.2	1620.1	1594.2	1561.9	1513.4	1451.9	1367.8	824.6
22.5°	1642.7	1645.9	1650.3	1664.3	1666.4	1648.1	1617.9	1571.6	1509.1	1431.4	750.2
25°	1642.7	1640.6	1640.6	1669.7	1688.0	1679.4	1657.8	1615.8	1552.2	1463.8	658.6
27.5°	1684.7	1671.8	1644.9	1675.0	1705.2	1702.0	1682.6	1633.0	1561.9	1464.9	546.5
30°	1753.7	1725.7	1681.5	1709.5	1737.6	1725.7	1694.4	1630.9	1540.3	1417.4	409.6
32.5°	1830.3	1817.3	1794.7	1813.0	1808.7	1761.3	1705.2	1616.8	1496.1	1322.6	275.9
35°	1854.0	1856.1	1841.0	1837.8	1813.0	1764.5	1705.2	1577.0	1403.4	1164.1	163.8
37.5°	1861.5	1862.6	1838.9	1808.7	1772.1	1714.9	1643.8	1495.0	1232.0	1011.1	87.3
40°	1823.8	1822.7	1783.9	1747.3	1706.3	1650.3	1546.8	1322.6	1069.3	876.3	31.3
42.5°	1767.7	1753.7	1717.1	1671.8	1622.2	1552.2	1390.5	1116.7	929.1	701.7	2.2
45°	1645.9	1633.0	1603.9	1555.4	1500.4	1401.3	1145.8	959.3	755.6	510.9	0.0
47.5°	1251.4	1245.0	1275.1	1281.6	1280.5	1167.4	956.1	782.6	555.1	297.5	0.0
50°	1139.3	1130.7	1100.5	1061.7	992.7	897.9	766.4	579.9	325.5	94.9	0.0
52.5°	818.1	846.1	852.6	823.5	758.8	665.1	528.2	334.1	113.2	0.0	0.0
55°	333.1	315.8	328.8	344.9	357.9	328.8	243.6	118.6	1.1	0.0	0.0
57.5°	0.0	1.1	6.5	15.1	24.8	31.3	33.4	2.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1312641

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	619.8	619.8	619.8	619.8	619.8
2.5°	621.9	526.0	433.3	382.7	357.9
5°	599.3	402.1	249.0	172.5	143.4
7.5°	561.6	275.9	99.2	41.0	29.1
10°	506.6	158.5	26.9	10.8	9.7
12.5°	427.9	72.2	9.7	7.5	7.5
15°	340.6	24.8	5.4	4.3	3.2
17.5°	239.3	6.5	2.2	0.0	0.0
20°	145.5	1.1	0.0	0.0	0.0
22.5°	80.8	0.0	0.0	0.0	0.0
25°	39.9	0.0	0.0	0.0	0.0
27.5°	17.2	0.0	0.0	0.0	0.0
30°	5.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	0.0	0.0	0.0
67.5°	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	0.0	0.0	0.0
77.5°	2.2	1.1	1.1	0.0	0.0
80°	2.2	1.1	1.1	0.0	0.0
82.5°	2.2	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	0.0	0.0
87.5°	2.2	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)