

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: P1309181

Luminaire Tested: P3SQAS13R559035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309181
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: P3SQAS13R559035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

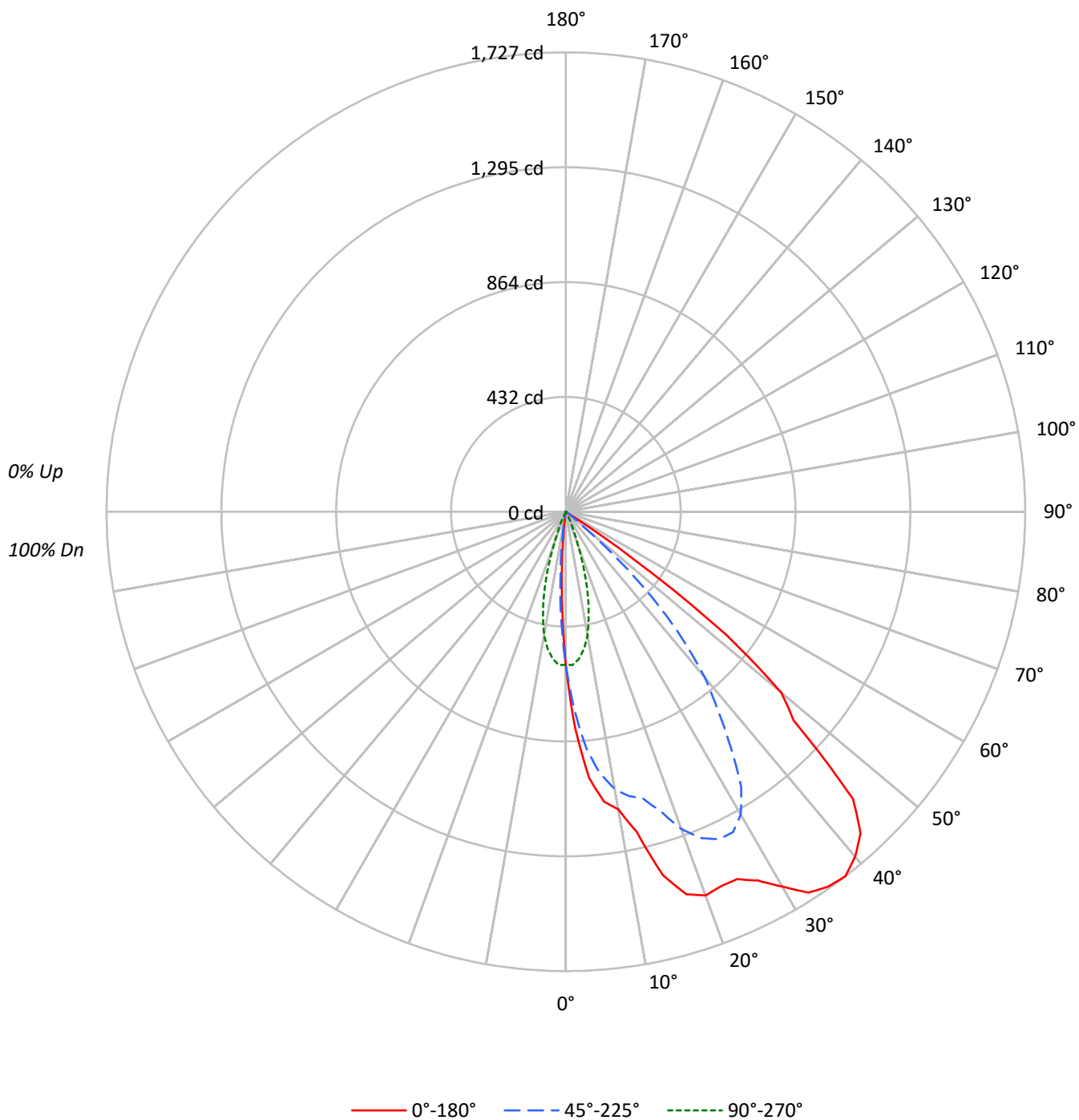
Lumens per Lamp: N/A
Luminaire Lumens: 1064.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1309181

CATALOG NUMBER: P3SQAS13R559035DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309181

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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	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°	99011	99011	99011	99011	99011
5°	173555	154711	96104	39935	22993
10°	198646	185180	82193	4372	1574
15°	252452	198784	56342	891	535
20°	281291	232558	24742	0	0
25°	289563	258037	7031	0	0
30°	323515	261488	994	0	0
35°	361579	227044	0	0	0
40°	380352	182757	0	0	0
45°	371867	115423	0	0	0
50°	283176	23578	0	0	0
55°	92781	0	0	0	0
60°	0	0	0	0	0
65°	0	408	408	0	0
70°	0	504	504	0	0
75°	0	665	665	0	0
80°	0	992	1984	992	0
85°	0	1976	1976	1976	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 371867 cd/sqm

TEST NUMBER: P1309181

CATALOG NUMBER: P3SQAS13R559035DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	4.9
10°-20°	154.0	14.5
20°-30°	250.4	23.5
30°-40°	297.5	28.0
40°-50°	243.3	22.9
50°-60°	64.5	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°	456.8	42.9
0°-40°	754.4	70.9
0°-60°	1062.2	99.8
0°-90°	1064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	575	575	575	575	575	
5°	1004	895	556	231	133	98
15°	1416	1115	316	5	3	396
25°	1524	1358	37	0	0	718
35°	1720	1080	0	0	0	1069
45°	1527	474	0	0	0	1096
55°	309	0	0	0	0	347
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: P1309181

CATALOG NUMBER: P3SQAS13R559035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9
2.5°	815.9	809.9	810.9	807.9	810.9	797.9	783.9	770.9	760.9	746.9	661.9
5°	1003.9	993.9	990.9	986.9	982.9	966.9	953.9	937.9	918.9	894.9	738.9
7.5°	1098.9	1090.9	1086.9	1088.9	1079.9	1073.9	1056.9	1038.9	1018.9	992.9	796.9
10°	1135.9	1127.9	1126.9	1125.9	1124.9	1120.9	1112.9	1096.9	1078.9	1058.9	829.9
12.5°	1232.9	1214.9	1202.9	1188.9	1171.9	1149.9	1131.9	1117.9	1110.9	1094.9	844.9
15°	1415.9	1398.9	1385.9	1367.9	1335.9	1288.9	1245.9	1190.9	1142.9	1114.9	838.9
17.5°	1507.8	1499.8	1488.8	1476.8	1454.8	1420.8	1376.9	1318.9	1257.9	1178.9	809.9
20°	1534.8	1530.8	1522.8	1517.8	1502.8	1478.8	1448.8	1403.9	1346.9	1268.9	764.9
22.5°	1523.8	1526.8	1530.8	1543.8	1545.8	1528.8	1500.8	1457.8	1399.9	1327.9	695.9
25°	1523.8	1521.8	1521.8	1548.8	1565.8	1557.8	1537.8	1498.8	1439.8	1357.9	610.9
27.5°	1562.8	1550.8	1525.8	1553.8	1581.8	1578.8	1560.8	1514.8	1448.8	1358.9	506.9
30°	1626.8	1600.8	1559.8	1585.8	1611.8	1600.8	1571.8	1512.8	1428.8	1314.9	380.0
32.5°	1697.8	1685.8	1664.8	1681.8	1677.8	1633.8	1581.8	1499.8	1387.9	1226.9	256.0
35°	1719.8	1721.8	1707.8	1704.8	1681.8	1636.8	1581.8	1462.8	1301.9	1079.9	152.0
37.5°	1726.8	1727.8	1705.8	1677.8	1643.8	1590.8	1524.8	1386.9	1142.9	937.9	81.0
40°	1691.8	1690.8	1654.8	1620.8	1582.8	1530.8	1434.8	1226.9	991.9	812.9	29.0
42.5°	1639.8	1626.8	1592.8	1550.8	1504.8	1439.8	1289.9	1035.9	861.9	650.9	2.0
45°	1526.8	1514.8	1487.8	1442.8	1391.9	1299.9	1062.9	889.9	700.9	473.9	0.0
47.5°	1160.9	1154.9	1182.9	1188.9	1187.9	1082.9	886.9	725.9	514.9	276.0	0.0
50°	1056.9	1048.9	1020.9	984.9	920.9	832.9	710.9	537.9	302.0	88.0	0.0
52.5°	758.9	784.9	790.9	763.9	703.9	616.9	489.9	310.0	105.0	0.0	0.0
55°	309.0	293.0	305.0	320.0	332.0	305.0	226.0	110.0	1.0	0.0	0.0
57.5°	0.0	1.0	6.0	14.0	23.0	29.0	31.0	2.0	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	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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: P1309181

CATALOG NUMBER: P3SQAS13R559035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	574.9	574.9	574.9	574.9	574.9
2.5°	576.9	487.9	402.0	355.0	332.0
5°	555.9	373.0	231.0	160.0	133.0
7.5°	520.9	256.0	92.0	38.0	27.0
10°	470.0	147.0	25.0	10.0	9.0
12.5°	397.0	67.0	9.0	7.0	7.0
15°	316.0	23.0	5.0	4.0	3.0
17.5°	222.0	6.0	2.0	0.0	0.0
20°	135.0	1.0	0.0	0.0	0.0
22.5°	75.0	0.0	0.0	0.0	0.0
25°	37.0	0.0	0.0	0.0	0.0
27.5°	16.0	0.0	0.0	0.0	0.0
30°	5.0	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°	1.0	0.0	0.0	0.0	0.0
65°	1.0	1.0	0.0	0.0	0.0
67.5°	1.0	1.0	0.0	0.0	0.0
70°	1.0	1.0	0.0	0.0	0.0
72.5°	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	0.0	0.0	0.0
77.5°	2.0	1.0	1.0	0.0	0.0
80°	2.0	1.0	1.0	0.0	0.0
82.5°	2.0	1.0	1.0	0.0	0.0
85°	1.0	1.0	1.0	0.0	0.0
87.5°	2.0	1.0	1.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)