

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: P1306130

Luminaire Tested: P3SQAS17R559024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306130
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: P3SQAS17R559024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

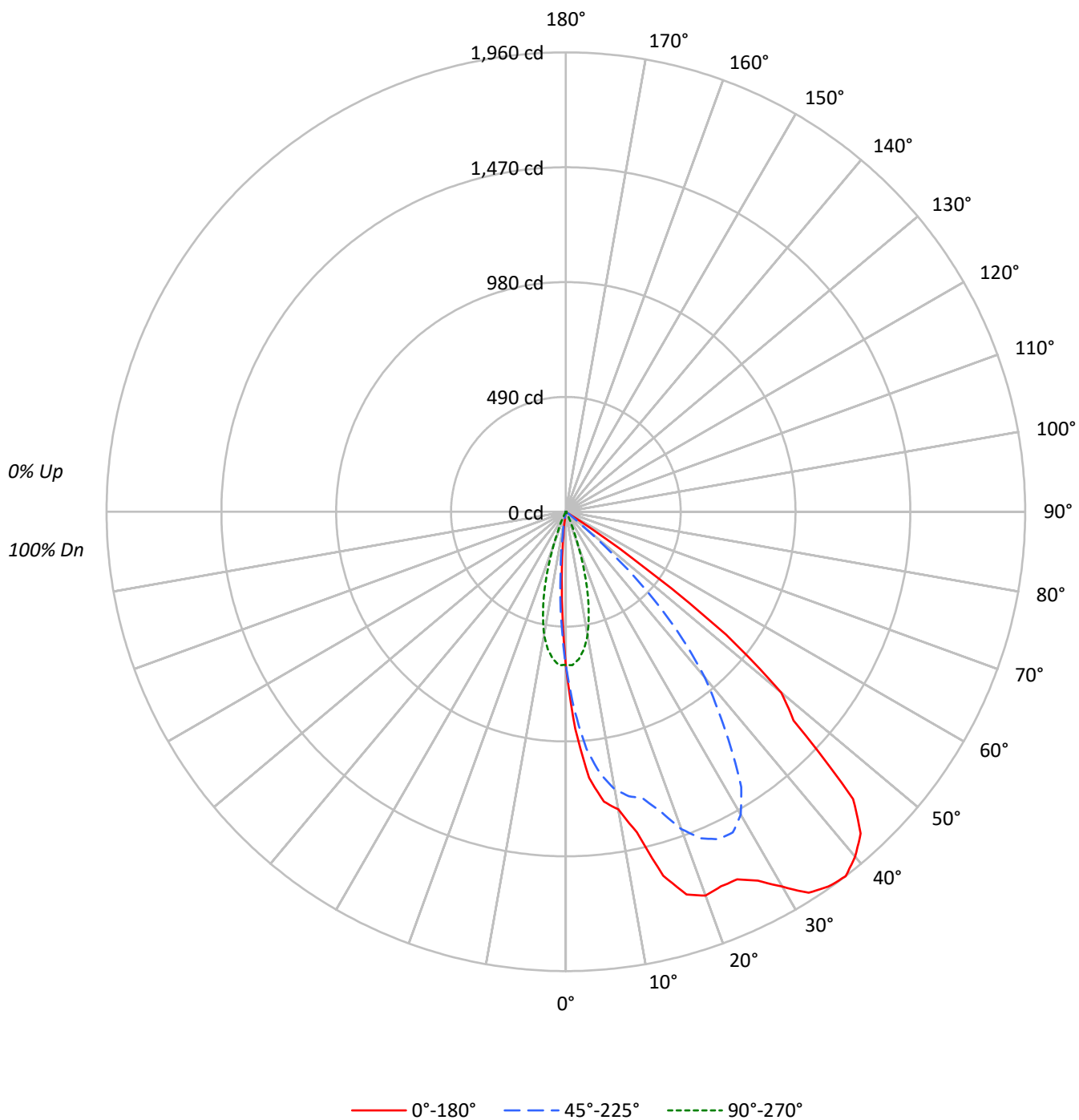
Lumens per Lamp: N/A
Luminaire Lumens: 1208.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306130

CATALOG NUMBER: P3SQAS17R559024DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306130

CATALOG NUMBER: P3SQAS17R559024DE010 E3SQCA301MB

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	91	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°	112427	112427	112427	112427	112427
5°	197049	175647	109122	45329	26105
10°	225525	210240	93316	4967	1784
15°	286614	225690	63955	1016	606
20°	319376	264027	28096	0	0
25°	328765	292945	7981	0	0
30°	367305	296867	1134	0	0
35°	410524	257760	0	0	0
40°	431836	207487	0	0	0
45°	422211	131059	0	0	0
50°	321490	26766	0	0	0
55°	105332	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	2281	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 422211 cd/sqm

TEST NUMBER: P1306130

CATALOG NUMBER: P3SQAS17R559024DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	4.9
10°-20°	174.8	14.5
20°-30°	284.2	23.5
30°-40°	337.8	28.0
40°-50°	276.2	22.9
50°-60°	73.2	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°	518.7	42.9
0°-40°	856.5	70.9
0°-60°	1205.9	99.8
0°-90°	1208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	653	653	653	653	653	
5°	1140	1016	631	262	151	112
15°	1608	1266	359	6	3	449
25°	1730	1542	42	0	0	815
35°	1953	1226	0	0	0	1214
45°	1734	538	0	0	0	1244
55°	351	0	0	0	0	394
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: P1306130

CATALOG NUMBER: P3SQAS17R559024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8
2.5°	926.3	919.5	920.7	917.3	920.7	905.9	890.0	875.3	863.9	848.0	751.5
5°	1139.8	1128.4	1125.0	1120.5	1115.9	1097.8	1083.0	1064.8	1043.3	1016.0	838.9
7.5°	1247.6	1238.5	1234.0	1236.3	1226.0	1219.2	1199.9	1179.5	1156.8	1127.3	904.8
10°	1289.6	1280.5	1279.4	1278.3	1277.1	1272.6	1263.5	1245.3	1224.9	1202.2	942.2
12.5°	1399.7	1379.3	1365.7	1349.8	1330.5	1305.5	1285.1	1269.2	1261.2	1243.1	959.3
15°	1607.5	1588.2	1573.4	1553.0	1516.7	1463.3	1414.5	1352.0	1297.6	1265.8	952.4
17.5°	1711.9	1702.8	1690.3	1676.7	1651.7	1613.1	1563.2	1497.4	1428.1	1338.4	919.5
20°	1742.6	1738.0	1728.9	1723.3	1706.2	1679.0	1644.9	1593.8	1529.1	1440.6	868.4
22.5°	1730.1	1733.5	1738.0	1752.8	1755.0	1735.7	1704.0	1655.1	1589.3	1507.6	790.1
25°	1730.1	1727.8	1727.8	1758.5	1777.8	1768.7	1746.0	1701.7	1634.7	1541.6	693.6
27.5°	1774.3	1760.7	1732.3	1764.1	1795.9	1792.5	1772.1	1719.9	1644.9	1542.8	575.6
30°	1847.0	1817.5	1770.9	1800.5	1830.0	1817.5	1784.6	1717.6	1622.2	1492.8	431.4
32.5°	1927.6	1914.0	1890.1	1909.4	1904.9	1854.9	1795.9	1702.8	1575.7	1392.9	290.6
35°	1952.6	1954.8	1939.0	1935.5	1909.4	1858.4	1795.9	1660.8	1478.1	1226.0	172.6
37.5°	1960.5	1961.7	1936.7	1904.9	1866.3	1806.1	1731.2	1574.5	1297.6	1064.8	92.0
40°	1920.8	1919.7	1878.8	1840.2	1797.1	1738.0	1629.0	1392.9	1126.1	922.9	32.9
42.5°	1861.8	1847.0	1808.4	1760.7	1708.5	1634.7	1464.4	1176.1	978.6	739.0	2.3
45°	1733.5	1719.9	1689.2	1638.1	1580.2	1475.8	1206.7	1010.3	795.8	538.1	0.0
47.5°	1318.0	1311.2	1343.0	1349.8	1348.6	1229.4	1006.9	824.2	584.6	313.3	0.0
50°	1199.9	1190.8	1159.1	1118.2	1045.5	945.6	807.1	610.7	342.8	99.9	0.0
52.5°	861.6	891.1	898.0	867.3	799.2	700.4	556.3	351.9	119.2	0.0	0.0
55°	350.8	332.6	346.2	363.3	376.9	346.2	256.6	124.9	1.1	0.0	0.0
57.5°	0.0	1.1	6.8	15.9	26.1	32.9	35.2	2.3	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	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3
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: P1306130

CATALOG NUMBER: P3SQAS17R559024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	652.8	652.8	652.8	652.8	652.8
2.5°	655.0	554.0	456.4	403.0	376.9
5°	631.2	423.4	262.2	181.6	151.0
7.5°	591.4	290.6	104.4	43.1	30.7
10°	533.6	166.9	28.4	11.4	10.2
12.5°	450.7	76.1	10.2	7.9	7.9
15°	358.7	26.1	5.7	4.5	3.4
17.5°	252.0	6.8	2.3	0.0	0.0
20°	153.3	1.1	0.0	0.0	0.0
22.5°	85.1	0.0	0.0	0.0	0.0
25°	42.0	0.0	0.0	0.0	0.0
27.5°	18.2	0.0	0.0	0.0	0.0
30°	5.7	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°	2.3	1.1	1.1	0.0	0.0
80°	2.3	1.1	1.1	0.0	0.0
82.5°	2.3	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	0.0	0.0
87.5°	2.3	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)