

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: CORELITE

Report Number: P935211

Luminaire Tested: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

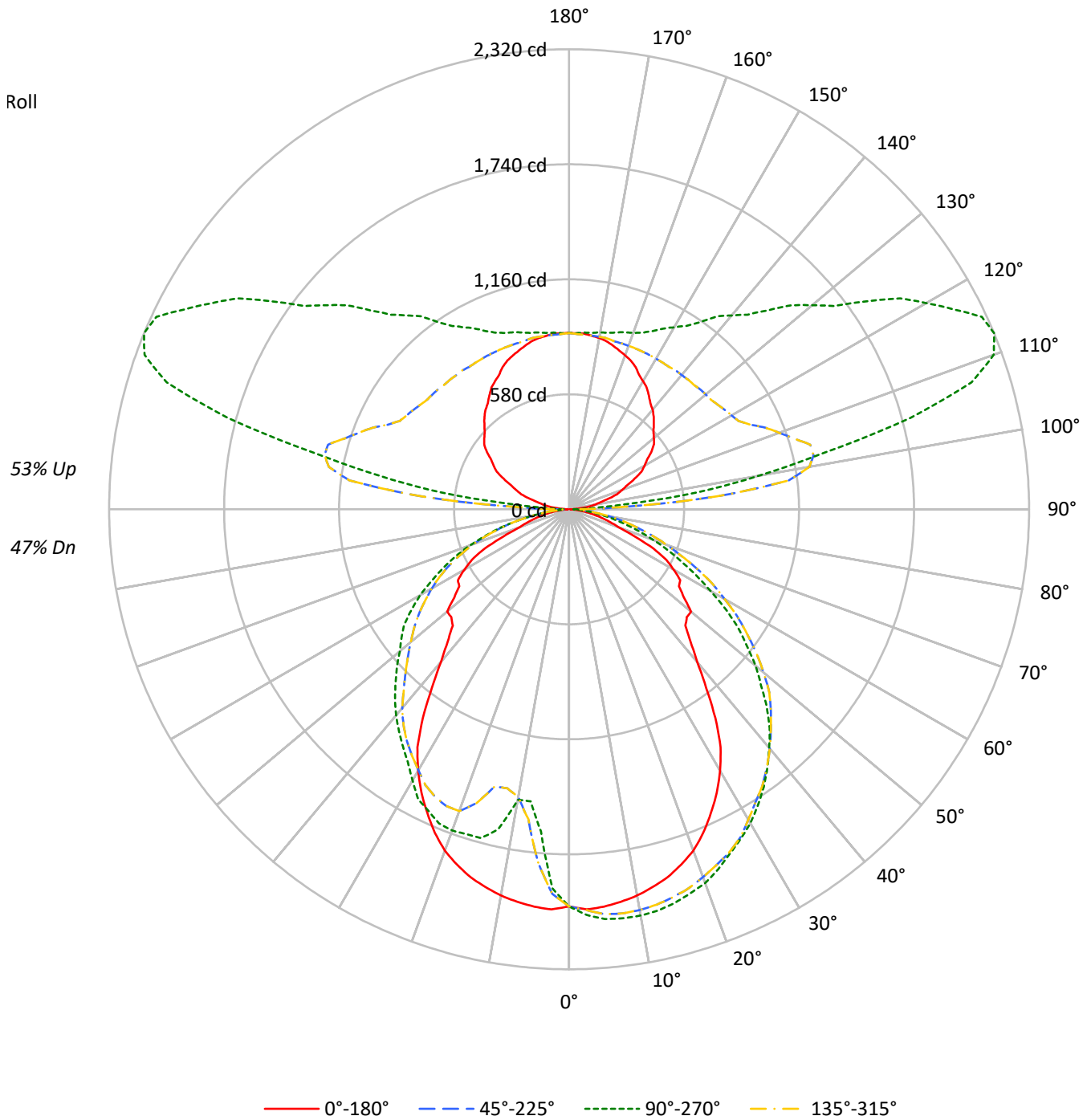
Test Method: LM-79-2019  
Report Number: P935211  
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10956.7 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 87  
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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12387	12387	12387	12387
5°	12475	12504	12475	9832
10°	12388	12318	12388	8807
15°	12248	12051	12248	10063
20°	11988	11735	11988	10084
25°	11458	11274	11458	9870
30°	10777	10891	10777	9401
35°	9603	10406	9603	8886
40°	7997	9836	7997	8496
45°	7141	9169	7141	8048
50°	7579	8373	7579	7598
55°	7126	7516	7126	7338
60°	7335	6383	7335	6721
65°	6641	5276	6641	5898
70°	4587	4206	4587	4944
75°	4008	3108	4008	3723
80°	3206	2056	3206	2238
85°	1806	1089	1806	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.8	1.6
10°-20°	513.2	4.7
20°-30°	793.3	7.2
30°-40°	947.1	8.6
40°-50°	952.6	8.7
50°-60°	828.9	7.6
60°-70°	587.7	5.4
70°-80°	310.9	2.8
80°-90°	80.8	0.7
90°-100°	433.2	4.0
100°-110°	1138.9	10.4
110°-120°	1180.9	10.8
120°-130°	947.3	8.6
130°-140°	743.3	6.8
140°-150°	570.5	5.2
150°-160°	410.8	3.7
160°-170°	251.4	2.3
170°-180°	84.9	0.8
0°-30°	1487.3	13.6
0°-40°	2434.4	22.2
0°-60°	4216.0	38.5
0°-90°	5195.4	47.4
90°-120°	2753.1	25.1
90°-150°	5014.1	45.8
90°-180°	5761.0	52.6
0°-180°	10956.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2002	2002	2002	2002	2002	
5°	2012	2074	2012	1631	2012	191
15°	1921	2056	1921	1716	1921	541
25°	1692	1917	1692	1678	1692	777
35°	1286	1711	1286	1461	1286	796
45°	830	1410	830	1237	830	665
55°	676	1040	676	1016	676	621
65°	470	627	470	701	470	449
75°	178	297	178	356	178	187
85°	30	76	30	64	30	41
90°	6	23	6	23	6	6
95°	57	262	57	262	57	64
105°	205	1783	205	1783	205	218
115°	364	2296	364	2296	364	360
125°	507	1829	507	1829	507	450
135°	604	1419	604	1419	604	467
145°	701	1151	701	1151	701	439
155°	792	991	792	991	792	364
165°	855	923	855	923	855	241
175°	889	895	889	895	889	84
180°	889	889	889	889	889	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2019.6	2019.6	2030.9	2034.7	2034.7	2029.0	2023.3	2029.0	2046.0	2051.8	2049.9
5°	2011.9	2027.1	2047.9	2051.8	2055.5	2053.6	2049.9	2053.6	2072.5	2076.3	2078.2
7.5°	1996.8	2025.2	2051.8	2057.4	2063.0	2057.4	2055.5	2059.3	2078.2	2082.1	2082.1
10°	1977.9	2017.6	2047.9	2051.8	2057.4	2051.8	2051.8	2059.3	2078.2	2082.1	2083.9
12.5°	1951.3	2006.3	2034.7	2038.5	2046.0	2044.1	2042.2	2049.9	2068.8	2072.5	2072.5
15°	1921.0	1985.4	2011.9	2015.7	2029.0	2025.2	2025.2	2032.7	2053.6	2059.3	2057.4
17.5°	1879.3	1958.8	1989.2	1994.9	2004.3	2002.4	2004.3	2011.9	2030.9	2034.7	2036.6
20°	1832.0	1922.9	1958.8	1964.6	1974.0	1974.0	1974.0	1983.5	2002.4	2010.1	2010.1
22.5°	1767.5	1885.0	1922.9	1926.7	1938.1	1938.1	1941.8	1955.1	1972.1	1974.0	1974.0
25°	1691.7	1843.4	1875.6	1886.9	1898.2	1904.0	1909.6	1917.3	1922.9	1921.0	1922.9
27.5°	1612.2	1790.3	1832.0	1839.5	1854.7	1860.4	1867.9	1869.8	1871.8	1877.4	1873.7
30°	1523.2	1716.4	1778.9	1786.5	1811.1	1814.9	1807.3	1811.1	1820.6	1824.4	1828.2
32.5°	1422.7	1606.6	1724.0	1741.1	1763.7	1752.3	1750.5	1756.2	1771.4	1771.4	1775.1
35°	1286.4	1521.3	1672.8	1688.0	1705.0	1691.7	1699.4	1701.2	1710.7	1716.4	1714.5
37.5°	1136.7	1447.4	1619.8	1631.1	1644.4	1627.4	1638.7	1644.4	1652.0	1648.2	1648.2
40°	1004.1	1331.8	1557.2	1564.9	1576.3	1563.0	1574.3	1578.1	1581.9	1578.1	1576.3
42.5°	905.5	1204.8	1491.0	1500.4	1492.9	1502.4	1506.1	1513.7	1508.0	1500.4	1500.4
45°	829.8	1170.8	1419.0	1430.4	1419.0	1434.1	1439.8	1439.8	1422.7	1419.0	1417.1
47.5°	805.1	1102.6	1347.0	1347.0	1341.3	1360.2	1369.7	1356.5	1339.4	1333.7	1333.7
50°	803.2	1026.8	1248.4	1240.9	1267.4	1290.1	1280.7	1267.4	1254.2	1233.3	1233.3
52.5°	729.3	934.0	1121.5	1150.0	1191.7	1204.8	1189.7	1176.5	1153.7	1144.2	1136.7
55°	676.4	837.4	1006.0	1062.8	1106.4	1123.4	1095.0	1081.7	1047.7	1041.9	1038.2
57.5°	665.0	697.2	899.9	971.9	1024.9	1023.0	1006.0	981.3	952.9	947.2	945.4
60°	610.0	503.9	786.2	871.5	926.4	920.7	905.5	882.9	856.3	852.6	848.7
62.5°	553.1	365.7	657.3	754.0	831.7	829.8	816.5	782.4	763.5	754.0	746.4
65°	469.9	306.9	468.0	627.0	738.9	742.6	714.2	689.6	668.7	657.3	655.5
67.5°	358.0	250.1	316.3	522.8	649.8	646.1	610.0	598.6	572.2	566.4	555.1
70°	265.2	166.7	219.8	424.4	562.7	553.1	524.7	511.6	486.9	473.6	466.0
72.5°	219.8	134.5	161.0	329.6	473.6	462.2	437.7	422.5	401.6	390.2	382.7
75°	178.1	142.1	123.1	244.4	384.6	377.0	354.3	339.1	322.1	306.9	308.8
77.5°	130.7	132.6	98.5	180.0	305.0	293.7	280.4	261.5	253.8	238.7	238.7
80°	98.5	104.2	73.9	123.1	219.8	219.8	208.4	195.1	181.8	174.3	174.3
82.5°	66.3	66.3	55.0	77.6	149.7	144.0	136.4	132.6	125.0	121.2	121.2
85°	30.3	37.9	34.1	47.3	81.5	85.3	85.3	81.5	79.5	75.8	77.6
87.5°	9.5	17.0	20.8	26.5	41.7	43.6	45.5	45.5	45.5	47.3	47.3
90°	5.9	10.7	15.5	16.7	26.3	39.0	45.3	40.2	30.2	22.7	22.7
92.5°	23.9	64.4	105.0	115.1	161.9	224.1	255.3	223.7	160.6	113.3	108.8
95°	57.3	131.4	205.7	224.3	398.3	630.2	746.2	665.9	505.2	384.7	371.0
97.5°	99.0	164.5	230.0	246.4	536.4	923.2	1116.6	1065.8	964.3	888.1	862.1
100°	131.3	190.6	250.0	264.8	586.7	1015.8	1230.5	1234.2	1241.7	1247.2	1216.2
102.5°	158.7	214.1	269.5	283.4	609.8	1045.1	1262.7	1327.4	1456.8	1553.8	1527.3
105°	205.2	252.1	299.0	310.8	626.9	1048.4	1259.1	1404.2	1694.1	1911.6	1897.4
107.5°	252.9	296.6	340.4	351.3	630.1	1001.7	1187.5	1389.8	1794.3	2097.8	2101.2
110°	285.1	324.6	364.1	374.0	625.3	960.4	1127.9	1354.0	1806.3	2145.5	2160.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	316.7	354.4	392.1	401.4	625.5	924.3	1073.6	1305.0	1767.9	2115.1	2137.8
115°	364.4	399.1	433.8	442.5	631.2	882.8	1008.6	1231.5	1677.5	2011.9	2043.5
117.5°	411.6	443.1	474.7	482.5	642.9	856.9	963.8	1165.1	1567.5	1869.3	1904.4
120°	439.0	468.7	498.4	505.8	652.6	848.2	946.0	1129.8	1497.5	1773.3	1807.3
122.5°	465.9	495.8	525.8	533.3	666.2	843.6	932.3	1097.9	1428.9	1677.2	1710.9
125°	507.0	534.3	561.6	568.4	684.8	839.8	917.4	1058.0	1339.3	1550.2	1581.2
127.5°	540.4	568.0	595.6	602.5	703.2	837.6	904.9	1025.6	1267.1	1448.2	1474.3
130°	558.3	588.0	617.7	625.1	716.8	839.0	900.1	1007.5	1222.5	1383.8	1407.9
132.5°	576.8	606.5	636.1	643.6	727.7	839.8	895.9	992.1	1184.6	1328.9	1350.5
135°	604.2	631.2	658.3	665.1	739.7	839.0	888.7	969.3	1130.5	1251.4	1270.0
137.5°	632.2	659.0	685.8	692.5	757.5	844.2	887.6	955.7	1091.9	1194.1	1209.3
140°	655.5	680.2	704.9	711.0	768.4	845.0	883.3	942.2	1059.9	1148.2	1162.4
142.5°	673.4	696.3	719.0	724.7	777.6	848.1	883.3	935.1	1038.4	1115.9	1128.2
145°	700.8	720.7	740.6	745.6	789.6	848.2	877.4	919.7	1004.3	1067.7	1076.9
147.5°	728.3	747.6	766.9	771.8	807.0	853.9	877.4	910.7	977.2	1027.1	1034.8
150°	746.2	763.7	781.1	785.5	816.1	857.0	877.4	905.5	961.6	1003.8	1010.0
152.5°	764.7	778.0	791.2	794.5	822.2	859.0	877.4	901.4	949.4	985.3	990.0
155°	792.1	801.9	811.6	814.1	835.3	863.4	877.4	896.5	934.7	963.3	966.4
157.5°	812.4	822.0	831.4	833.8	848.4	867.8	877.4	892.2	922.0	944.2	946.4
160°	826.1	833.5	841.0	842.8	854.4	869.8	877.4	890.1	915.6	934.7	935.9
162.5°	839.8	845.4	850.9	852.4	860.7	871.9	877.4	888.1	909.6	925.7	926.8
165°	854.8	859.7	864.8	866.0	869.9	874.9	877.4	885.1	900.5	912.0	913.3
167.5°	868.4	870.8	873.2	873.8	876.9	881.2	883.3	888.4	898.4	906.0	906.6
170°	877.4	879.8	882.2	882.8	883.0	883.2	883.3	888.4	898.4	906.0	906.0
172.5°	882.2	882.7	883.2	883.3	883.3	883.3	883.3	887.4	895.3	901.2	900.7
175°	888.7	888.7	888.7	888.7	886.9	884.5	883.3	885.8	890.9	894.7	894.7
177.5°	888.7	888.7	888.7	888.7	887.4	885.5	884.6	886.6	890.5	893.5	892.9
180°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2053.6	2047.9	2053.6	2049.9	2051.8	2046.0	2029.0	2023.3	2029.0	2034.7	2034.7
5°	2078.2	2074.4	2078.2	2078.2	2076.3	2072.5	2053.6	2049.9	2053.6	2055.5	2051.8
7.5°	2085.8	2080.2	2085.8	2082.1	2082.1	2078.2	2059.3	2055.5	2057.4	2063.0	2057.4
10°	2085.8	2080.2	2085.8	2083.9	2082.1	2078.2	2059.3	2051.8	2051.8	2057.4	2051.8
12.5°	2076.3	2072.5	2076.3	2072.5	2072.5	2068.8	2049.9	2042.2	2044.1	2046.0	2038.5
15°	2061.2	2055.5	2061.2	2057.4	2059.3	2053.6	2032.7	2025.2	2025.2	2029.0	2015.7
17.5°	2038.5	2030.9	2038.5	2036.6	2034.7	2030.9	2011.9	2004.3	2002.4	2004.3	1994.9
20°	2011.9	2006.3	2011.9	2010.1	2010.1	2002.4	1983.5	1974.0	1974.0	1974.0	1964.6
22.5°	1970.2	1964.6	1970.2	1974.0	1974.0	1972.1	1955.1	1941.8	1938.1	1938.1	1926.7
25°	1922.9	1917.3	1922.9	1922.9	1921.0	1922.9	1917.3	1909.6	1904.0	1898.2	1886.9
27.5°	1877.4	1873.7	1877.4	1873.7	1877.4	1871.8	1869.8	1867.9	1860.4	1854.7	1839.5
30°	1832.0	1828.2	1832.0	1828.2	1824.4	1820.6	1811.1	1807.3	1814.9	1811.1	1786.5
32.5°	1775.1	1771.4	1775.1	1775.1	1771.4	1771.4	1756.2	1750.5	1752.3	1763.7	1741.1
35°	1716.4	1710.7	1716.4	1714.5	1716.4	1710.7	1701.2	1699.4	1691.7	1705.0	1688.0
37.5°	1648.2	1642.5	1648.2	1648.2	1648.2	1652.0	1644.4	1638.7	1627.4	1644.4	1631.1
40°	1578.1	1570.5	1578.1	1576.3	1578.1	1581.9	1578.1	1574.3	1563.0	1576.3	1564.9
42.5°	1498.5	1496.6	1498.5	1500.4	1500.4	1508.0	1513.7	1506.1	1502.4	1492.9	1500.4
45°	1413.3	1409.5	1413.3	1417.1	1419.0	1422.7	1439.8	1439.8	1434.1	1419.0	1430.4
47.5°	1322.3	1312.9	1322.3	1333.7	1333.7	1339.4	1356.5	1369.7	1360.2	1341.3	1347.0
50°	1225.7	1227.6	1225.7	1233.3	1233.3	1254.2	1267.4	1280.7	1290.1	1267.4	1240.9
52.5°	1131.0	1129.1	1131.0	1136.7	1144.2	1153.7	1176.5	1189.7	1204.8	1191.7	1150.0
55°	1036.3	1040.0	1036.3	1038.2	1041.9	1047.7	1081.7	1095.0	1123.4	1106.4	1062.8
57.5°	941.6	935.8	941.6	945.4	947.2	952.9	981.3	1006.0	1023.0	1024.9	971.9
60°	831.7	824.1	831.7	848.7	852.6	856.3	882.9	905.5	920.7	926.4	871.5
62.5°	735.1	721.8	735.1	746.4	754.0	763.5	782.4	816.5	829.8	831.7	754.0
65°	632.8	627.0	632.8	655.5	657.3	668.7	689.6	714.2	742.6	738.9	627.0
67.5°	539.9	539.9	539.9	555.1	566.4	572.2	598.6	610.0	646.1	649.8	522.8
70°	454.7	452.8	454.7	466.0	473.6	486.9	511.6	524.7	553.1	562.7	424.4
72.5°	373.2	371.3	373.2	382.7	390.2	401.6	422.5	437.7	462.2	473.6	329.6
75°	301.2	297.4	301.2	308.8	306.9	322.1	339.1	354.3	377.0	384.6	244.4
77.5°	231.2	231.2	231.2	238.7	238.7	253.8	261.5	280.4	293.7	305.0	180.0
80°	172.4	170.6	172.4	174.3	174.3	181.8	195.1	208.4	219.8	219.8	123.1
82.5°	121.2	117.5	121.2	121.2	121.2	125.0	132.6	136.4	144.0	149.7	77.6
85°	75.8	75.8	75.8	77.6	75.8	79.5	81.5	85.3	85.3	81.5	47.3
87.5°	49.2	47.3	49.2	47.3	47.3	45.5	45.5	45.5	43.6	41.7	26.5
90°	22.7	22.7	22.7	22.7	22.7	30.2	40.2	45.3	39.0	26.3	16.7
92.5°	90.7	72.8	90.7	108.8	113.3	160.6	223.7	255.3	224.1	161.9	115.1
95°	316.4	261.8	316.4	371.0	384.7	505.2	665.9	746.2	630.2	398.3	224.3
97.5°	758.2	654.3	758.2	862.1	888.1	964.3	1065.8	1116.6	923.2	536.4	246.4
100°	1092.4	968.6	1092.4	1216.2	1247.2	1241.7	1234.2	1230.5	1015.8	586.7	264.8
102.5°	1421.2	1315.2	1421.2	1527.3	1553.8	1456.8	1327.4	1262.7	1045.1	609.8	283.4
105°	1840.4	1783.4	1840.4	1897.4	1911.6	1694.1	1404.2	1259.1	1048.4	626.9	310.8
107.5°	2115.1	2128.8	2115.1	2101.2	2097.8	1794.3	1389.8	1187.5	1001.7	630.1	351.3
110°	2219.7	2279.1	2219.7	2160.3	2145.5	1806.3	1354.0	1127.9	960.4	625.3	374.0





TEST NUMBER: P935211

CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2229.0	2320.2	2229.0	2137.8	2115.1	1767.9	1305.0	1073.6	924.3	625.5	401.4
115°	2169.9	2296.4	2169.9	2043.5	2011.9	1677.5	1231.5	1008.6	882.8	631.2	442.5
117.5°	2044.6	2184.8	2044.6	1904.4	1869.3	1567.5	1165.1	963.8	856.9	642.9	482.5
120°	1943.6	2079.9	1943.6	1807.3	1773.3	1497.5	1129.8	946.0	848.2	652.6	505.8
122.5°	1845.3	1979.7	1845.3	1710.9	1677.2	1428.9	1097.9	932.3	843.6	666.2	533.3
125°	1704.9	1828.7	1704.9	1581.2	1550.2	1339.3	1058.0	917.4	839.8	684.8	568.4
127.5°	1578.8	1683.2	1578.8	1474.3	1448.2	1267.1	1025.6	904.9	837.6	703.2	602.5
130°	1504.5	1600.9	1504.5	1407.9	1383.8	1222.5	1007.5	900.1	839.0	716.8	625.1
132.5°	1437.0	1523.4	1437.0	1350.5	1328.9	1184.6	992.1	895.9	839.8	727.7	643.6
135°	1344.5	1419.0	1344.5	1270.0	1251.4	1130.5	969.3	888.7	839.0	739.7	665.1
137.5°	1270.3	1331.3	1270.3	1209.3	1194.1	1091.9	955.7	887.6	844.2	757.5	692.5
140°	1219.5	1276.5	1219.5	1162.4	1148.2	1059.9	942.2	883.3	845.0	768.4	711.0
142.5°	1177.3	1226.4	1177.3	1128.2	1115.9	1038.4	935.1	883.3	848.1	777.6	724.7
145°	1114.1	1151.2	1114.1	1076.9	1067.7	1004.3	919.7	877.4	848.2	789.6	745.6
147.5°	1065.6	1096.3	1065.6	1034.8	1027.1	977.2	910.7	877.4	853.9	807.0	771.8
150°	1035.0	1059.9	1035.0	1010.0	1003.8	961.6	905.5	877.4	857.0	816.1	785.5
152.5°	1008.9	1027.7	1008.9	990.0	985.3	949.4	901.4	877.4	859.0	822.2	794.5
155°	978.8	991.3	978.8	966.4	963.3	934.7	896.5	877.4	863.4	835.3	814.1
157.5°	955.1	963.8	955.1	946.4	944.2	922.0	892.2	877.4	867.8	848.4	833.8
160°	941.0	946.0	941.0	935.9	934.7	915.6	890.1	877.4	869.8	854.4	842.8
162.5°	931.6	936.4	931.6	926.8	925.7	909.6	888.1	877.4	871.9	860.7	852.4
165°	918.3	923.3	918.3	913.3	912.0	900.5	885.1	877.4	874.9	869.9	866.0
167.5°	908.7	910.8	908.7	906.6	906.0	898.4	888.4	883.3	881.2	876.9	873.8
170°	906.0	906.0	906.0	906.0	906.0	898.4	888.4	883.3	883.2	883.0	882.8
172.5°	898.9	897.1	898.9	900.7	901.2	895.3	887.4	883.3	883.3	883.3	883.3
175°	894.7	894.7	894.7	894.7	894.7	890.9	885.8	883.3	884.5	886.9	888.7
177.5°	890.8	888.7	890.8	892.9	893.5	890.5	886.6	884.6	885.5	887.4	888.7
180°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7



TEST NUMBER: P935211  
 CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2030.9	2019.6	2019.6	2000.5	1993.0	1987.3	1977.9	1949.4	1941.8	1934.3	1945.7
5°	2047.9	2027.1	2011.9	1977.9	1949.4	1938.1	1902.1	1833.9	1788.4	1754.3	1735.3
7.5°	2051.8	2025.2	1996.8	1943.7	1875.6	1845.2	1735.3	1610.3	1576.3	1545.9	1526.9
10°	2047.9	2017.6	1977.9	1898.2	1737.2	1684.2	1574.3	1492.9	1472.0	1466.3	1472.0
12.5°	2034.7	2006.3	1951.3	1818.7	1593.3	1557.2	1492.9	1445.5	1441.7	1451.2	1502.4
15°	2011.9	1985.4	1921.0	1712.6	1513.7	1487.2	1441.7	1424.6	1445.5	1511.8	1665.3
17.5°	1989.2	1958.8	1879.3	1608.4	1453.0	1434.1	1401.9	1436.0	1553.5	1642.5	1693.6
20°	1958.8	1922.9	1832.0	1532.7	1409.5	1392.4	1377.3	1530.7	1619.8	1652.0	1680.4
22.5°	1922.9	1885.0	1767.5	1479.6	1364.0	1350.7	1360.2	1583.8	1619.8	1642.5	1667.2
25°	1875.6	1843.4	1691.7	1437.9	1328.1	1312.9	1348.9	1578.1	1598.9	1604.6	1653.9
27.5°	1832.0	1790.3	1612.2	1400.1	1284.5	1278.7	1358.4	1553.5	1568.6	1574.3	1627.4
30°	1778.9	1716.4	1523.2	1360.2	1239.0	1237.1	1360.2	1523.2	1519.4	1534.6	1587.5
32.5°	1724.0	1606.6	1422.7	1311.0	1195.4	1193.6	1347.0	1477.7	1473.9	1494.7	1534.6
35°	1672.8	1521.3	1286.4	1254.2	1140.5	1142.3	1314.8	1424.6	1426.5	1445.5	1470.1
37.5°	1619.8	1447.4	1136.7	1191.7	1087.4	1087.4	1271.2	1375.4	1371.6	1377.3	1411.3
40°	1557.2	1331.8	1004.1	1110.2	1038.2	1032.5	1218.1	1322.3	1309.1	1307.2	1354.6
42.5°	1491.0	1204.8	905.5	1002.2	981.3	973.8	1153.7	1257.9	1233.3	1239.0	1299.6
45°	1419.0	1170.8	829.8	846.8	922.6	916.9	1083.6	1184.0	1167.0	1182.2	1244.7
47.5°	1347.0	1102.6	805.1	702.9	860.1	858.2	1006.0	1112.0	1102.6	1117.8	1184.0
50°	1248.4	1026.8	803.2	602.5	790.0	797.6	913.2	1041.9	1041.9	1055.2	1125.3
52.5°	1121.5	934.0	729.3	545.6	708.5	731.2	831.7	981.3	985.2	998.4	1060.9
55°	1006.0	837.4	676.4	502.0	611.9	661.2	752.1	918.8	926.4	939.7	996.5
57.5°	899.9	697.2	665.0	450.8	522.8	570.3	682.0	858.2	862.0	873.4	928.3
60°	786.2	503.9	610.0	396.0	445.2	481.2	617.6	786.2	799.5	807.1	854.4
62.5°	657.3	365.7	553.1	358.0	407.4	414.9	564.5	718.1	735.1	740.7	769.2
65°	468.0	306.9	469.9	325.8	367.5	369.4	507.7	647.9	663.1	672.5	693.4
67.5°	316.3	250.1	358.0	295.5	337.2	339.1	452.8	566.4	587.3	594.8	608.1
70°	219.8	166.7	265.2	263.4	303.1	306.9	394.1	492.5	511.6	517.2	524.7
72.5°	161.0	134.5	219.8	236.8	267.1	270.9	333.5	409.2	428.2	433.8	437.7
75°	123.1	142.1	178.1	206.5	227.3	229.2	272.8	333.5	346.6	350.5	352.4
77.5°	98.5	132.6	130.7	166.7	185.7	181.8	214.0	257.6	269.0	269.0	269.0
80°	73.9	104.2	98.5	119.3	136.4	132.6	153.4	183.7	187.6	191.3	189.5
82.5°	55.0	66.3	66.3	75.8	90.9	87.2	102.3	119.3	119.3	119.3	123.1
85°	34.1	37.9	30.3	39.8	51.1	49.2	56.9	64.4	66.3	66.3	62.5
87.5°	20.8	17.0	9.5	15.2	22.8	22.8	26.5	28.4	26.5	26.5	26.5
90°	15.5	10.7	5.9	10.7	15.5	16.7	26.3	39.0	45.3	40.2	30.2
92.5°	105.0	64.4	23.9	64.4	105.0	115.1	161.9	224.1	255.3	223.7	160.6
95°	205.7	131.4	57.3	131.4	205.7	224.3	398.3	630.2	746.2	665.9	505.2
97.5°	230.0	164.5	99.0	164.5	230.0	246.4	536.4	923.2	1116.6	1065.8	964.3
100°	250.0	190.6	131.3	190.6	250.0	264.8	586.7	1015.8	1230.5	1234.2	1241.7
102.5°	269.5	214.1	158.7	214.1	269.5	283.4	609.8	1045.1	1262.7	1327.4	1456.8
105°	299.0	252.1	205.2	252.1	299.0	310.8	626.9	1048.4	1259.1	1404.2	1694.1
107.5°	340.4	296.6	252.9	296.6	340.4	351.3	630.1	1001.7	1187.5	1389.8	1794.3
110°	364.1	324.6	285.1	324.6	364.1	374.0	625.3	960.4	1127.9	1354.0	1806.3



TEST NUMBER: P935211

CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	392.1	354.4	316.7	354.4	392.1	401.4	625.5	924.3	1073.6	1305.0	1767.9
115°	433.8	399.1	364.4	399.1	433.8	442.5	631.2	882.8	1008.6	1231.5	1677.5
117.5°	474.7	443.1	411.6	443.1	474.7	482.5	642.9	856.9	963.8	1165.1	1567.5
120°	498.4	468.7	439.0	468.7	498.4	505.8	652.6	848.2	946.0	1129.8	1497.5
122.5°	525.8	495.8	465.9	495.8	525.8	533.3	666.2	843.6	932.3	1097.9	1428.9
125°	561.6	534.3	507.0	534.3	561.6	568.4	684.8	839.8	917.4	1058.0	1339.3
127.5°	595.6	568.0	540.4	568.0	595.6	602.5	703.2	837.6	904.9	1025.6	1267.1
130°	617.7	588.0	558.3	588.0	617.7	625.1	716.8	839.0	900.1	1007.5	1222.5
132.5°	636.1	606.5	576.8	606.5	636.1	643.6	727.7	839.8	895.9	992.1	1184.6
135°	658.3	631.2	604.2	631.2	658.3	665.1	739.7	839.0	888.7	969.3	1130.5
137.5°	685.8	659.0	632.2	659.0	685.8	692.5	757.5	844.2	887.6	955.7	1091.9
140°	704.9	680.2	655.5	680.2	704.9	711.0	768.4	845.0	883.3	942.2	1059.9
142.5°	719.0	696.3	673.4	696.3	719.0	724.7	777.6	848.1	883.3	935.1	1038.4
145°	740.6	720.7	700.8	720.7	740.6	745.6	789.6	848.2	877.4	919.7	1004.3
147.5°	766.9	747.6	728.3	747.6	766.9	771.8	807.0	853.9	877.4	910.7	977.2
150°	781.1	763.7	746.2	763.7	781.1	785.5	816.1	857.0	877.4	905.5	961.6
152.5°	791.2	778.0	764.7	778.0	791.2	794.5	822.2	859.0	877.4	901.4	949.4
155°	811.6	801.9	792.1	801.9	811.6	814.1	835.3	863.4	877.4	896.5	934.7
157.5°	831.4	822.0	812.4	822.0	831.4	833.8	848.4	867.8	877.4	892.2	922.0
160°	841.0	833.5	826.1	833.5	841.0	842.8	854.4	869.8	877.4	890.1	915.6
162.5°	850.9	845.4	839.8	845.4	850.9	852.4	860.7	871.9	877.4	888.1	909.6
165°	864.8	859.7	854.8	859.7	864.8	866.0	869.9	874.9	877.4	885.1	900.5
167.5°	873.2	870.8	868.4	870.8	873.2	873.8	876.9	881.2	883.3	888.4	898.4
170°	882.2	879.8	877.4	879.8	882.2	882.8	883.0	883.2	883.3	888.4	898.4
172.5°	883.2	882.7	882.2	882.7	883.2	883.3	883.3	883.3	883.3	887.4	895.3
175°	888.7	888.7	888.7	888.7	888.7	888.7	886.9	884.5	883.3	885.8	890.9
177.5°	888.7	888.7	888.7	888.7	888.7	888.7	887.4	885.5	884.6	886.6	890.5
180°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7



TEST NUMBER: P935211  
 CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	1932.4	1926.7	1934.3	1913.4	1934.3	1926.7	1932.4	1945.7	1934.3	1941.8	1949.4
5°	1695.6	1686.1	1655.8	1631.1	1655.8	1686.1	1695.6	1735.3	1754.3	1788.4	1833.9
7.5°	1515.5	1508.0	1500.4	1485.2	1500.4	1508.0	1515.5	1526.9	1545.9	1576.3	1610.3
10°	1475.8	1477.7	1489.1	1487.2	1489.1	1477.7	1475.8	1472.0	1466.3	1472.0	1492.9
12.5°	1578.1	1595.2	1657.7	1653.9	1657.7	1595.2	1578.1	1502.4	1451.2	1441.7	1445.5
15°	1695.6	1701.2	1714.5	1716.4	1714.5	1701.2	1695.6	1665.3	1511.8	1445.5	1424.6
17.5°	1706.9	1708.8	1718.3	1718.3	1718.3	1708.8	1706.9	1693.6	1642.5	1553.5	1436.0
20°	1697.5	1701.2	1720.2	1724.0	1720.2	1701.2	1697.5	1680.4	1652.0	1619.8	1530.7
22.5°	1693.6	1701.2	1716.4	1714.5	1716.4	1701.2	1693.6	1667.2	1642.5	1619.8	1583.8
25°	1674.7	1674.7	1676.6	1678.5	1676.6	1674.7	1674.7	1653.9	1604.6	1598.9	1578.1
27.5°	1635.0	1638.7	1650.1	1648.2	1650.1	1638.7	1635.0	1627.4	1574.3	1568.6	1553.5
30°	1598.9	1595.2	1585.7	1578.1	1585.7	1595.2	1598.9	1587.5	1534.6	1519.4	1523.2
32.5°	1538.3	1528.8	1519.4	1513.7	1519.4	1528.8	1538.3	1534.6	1494.7	1473.9	1477.7
35°	1466.3	1468.2	1466.3	1460.7	1466.3	1468.2	1466.3	1470.1	1445.5	1426.5	1424.6
37.5°	1415.2	1419.0	1417.1	1409.5	1417.1	1419.0	1415.2	1411.3	1377.3	1371.6	1375.4
40°	1362.1	1364.0	1362.1	1356.5	1362.1	1364.0	1362.1	1354.6	1307.2	1309.1	1322.3
42.5°	1311.0	1309.1	1303.4	1299.6	1303.4	1309.1	1311.0	1299.6	1239.0	1233.3	1257.9
45°	1252.3	1254.2	1242.8	1237.1	1242.8	1254.2	1252.3	1244.7	1182.2	1167.0	1184.0
47.5°	1193.6	1193.6	1184.0	1178.4	1184.0	1193.6	1193.6	1184.0	1117.8	1102.6	1112.0
50°	1131.0	1129.1	1115.8	1113.9	1115.8	1129.1	1131.0	1125.3	1055.2	1041.9	1041.9
52.5°	1059.1	1059.1	1060.9	1064.7	1060.9	1059.1	1059.1	1060.9	998.4	985.2	981.3
55°	996.5	998.4	1011.6	1015.5	1011.6	998.4	996.5	996.5	939.7	926.4	918.8
57.5°	932.1	932.1	941.6	941.6	941.6	932.1	932.1	928.3	873.4	862.0	858.2
60°	858.2	862.0	869.6	867.7	869.6	862.0	858.2	854.4	807.1	799.5	786.2
62.5°	780.5	784.3	786.2	782.4	786.2	784.3	780.5	769.2	740.7	735.1	718.1
65°	699.0	702.9	704.8	700.9	704.8	702.9	699.0	693.4	672.5	663.1	647.9
67.5°	615.7	613.8	611.9	619.5	611.9	613.8	615.7	608.1	594.8	587.3	566.4
70°	530.5	530.5	528.6	532.3	528.6	530.5	530.5	524.7	517.2	511.6	492.5
72.5°	439.5	437.7	445.2	439.5	445.2	437.7	439.5	437.7	433.8	428.2	409.2
75°	350.5	354.3	350.5	356.2	350.5	354.3	350.5	352.4	350.5	346.6	333.5
77.5°	267.1	270.9	267.1	267.1	267.1	270.9	267.1	269.0	269.0	269.0	257.6
80°	189.5	187.6	187.6	185.7	187.6	187.6	189.5	189.5	191.3	187.6	183.7
82.5°	121.2	119.3	119.3	123.1	119.3	119.3	121.2	123.1	119.3	119.3	119.3
85°	66.3	68.2	64.4	64.4	64.4	68.2	66.3	62.5	66.3	66.3	64.4
87.5°	24.7	22.8	22.8	22.8	22.8	22.8	24.7	26.5	26.5	26.5	28.4
90°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	30.2	40.2	45.3	39.0
92.5°	113.3	108.8	90.7	72.8	90.7	108.8	113.3	160.6	223.7	255.3	224.1
95°	384.7	371.0	316.4	261.8	316.4	371.0	384.7	505.2	665.9	746.2	630.2
97.5°	888.1	862.1	758.2	654.3	758.2	862.1	888.1	964.3	1065.8	1116.6	923.2
100°	1247.2	1216.2	1092.4	968.6	1092.4	1216.2	1247.2	1241.7	1234.2	1230.5	1015.8
102.5°	1553.8	1527.3	1421.2	1315.2	1421.2	1527.3	1553.8	1456.8	1327.4	1262.7	1045.1
105°	1911.6	1897.4	1840.4	1783.4	1840.4	1897.4	1911.6	1694.1	1404.2	1259.1	1048.4
107.5°	2097.8	2101.2	2115.1	2128.8	2115.1	2101.2	2097.8	1794.3	1389.8	1187.5	1001.7
110°	2145.5	2160.3	2219.7	2279.1	2219.7	2160.3	2145.5	1806.3	1354.0	1127.9	960.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2115.1	2137.8	2229.0	2320.2	2229.0	2137.8	2115.1	1767.9	1305.0	1073.6	924.3
115°	2011.9	2043.5	2169.9	2296.4	2169.9	2043.5	2011.9	1677.5	1231.5	1008.6	882.8
117.5°	1869.3	1904.4	2044.6	2184.8	2044.6	1904.4	1869.3	1567.5	1165.1	963.8	856.9
120°	1773.3	1807.3	1943.6	2079.9	1943.6	1807.3	1773.3	1497.5	1129.8	946.0	848.2
122.5°	1677.2	1710.9	1845.3	1979.7	1845.3	1710.9	1677.2	1428.9	1097.9	932.3	843.6
125°	1550.2	1581.2	1704.9	1828.7	1704.9	1581.2	1550.2	1339.3	1058.0	917.4	839.8
127.5°	1448.2	1474.3	1578.8	1683.2	1578.8	1474.3	1448.2	1267.1	1025.6	904.9	837.6
130°	1383.8	1407.9	1504.5	1600.9	1504.5	1407.9	1383.8	1222.5	1007.5	900.1	839.0
132.5°	1328.9	1350.5	1437.0	1523.4	1437.0	1350.5	1328.9	1184.6	992.1	895.9	839.8
135°	1251.4	1270.0	1344.5	1419.0	1344.5	1270.0	1251.4	1130.5	969.3	888.7	839.0
137.5°	1194.1	1209.3	1270.3	1331.3	1270.3	1209.3	1194.1	1091.9	955.7	887.6	844.2
140°	1148.2	1162.4	1219.5	1276.5	1219.5	1162.4	1148.2	1059.9	942.2	883.3	845.0
142.5°	1115.9	1128.2	1177.3	1226.4	1177.3	1128.2	1115.9	1038.4	935.1	883.3	848.1
145°	1067.7	1076.9	1114.1	1151.2	1114.1	1076.9	1067.7	1004.3	919.7	877.4	848.2
147.5°	1027.1	1034.8	1065.6	1096.3	1065.6	1034.8	1027.1	977.2	910.7	877.4	853.9
150°	1003.8	1010.0	1035.0	1059.9	1035.0	1010.0	1003.8	961.6	905.5	877.4	857.0
152.5°	985.3	990.0	1008.9	1027.7	1008.9	990.0	985.3	949.4	901.4	877.4	859.0
155°	963.3	966.4	978.8	991.3	978.8	966.4	963.3	934.7	896.5	877.4	863.4
157.5°	944.2	946.4	955.1	963.8	955.1	946.4	944.2	922.0	892.2	877.4	867.8
160°	934.7	935.9	941.0	946.0	941.0	935.9	934.7	915.6	890.1	877.4	869.8
162.5°	925.7	926.8	931.6	936.4	931.6	926.8	925.7	909.6	888.1	877.4	871.9
165°	912.0	913.3	918.3	923.3	918.3	913.3	912.0	900.5	885.1	877.4	874.9
167.5°	906.0	906.6	908.7	910.8	908.7	906.6	906.0	898.4	888.4	883.3	881.2
170°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	898.4	888.4	883.3	883.2
172.5°	901.2	900.7	898.9	897.1	898.9	900.7	901.2	895.3	887.4	883.3	883.3
175°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	890.9	885.8	883.3	884.5
177.5°	893.5	892.9	890.8	888.7	890.8	892.9	893.5	890.5	886.6	884.6	885.5
180°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	1977.9	1987.3	1993.0	2000.5	2019.6
5°	1902.1	1938.1	1949.4	1977.9	2011.9
7.5°	1735.3	1845.2	1875.6	1943.7	1996.8
10°	1574.3	1684.2	1737.2	1898.2	1977.9
12.5°	1492.9	1557.2	1593.3	1818.7	1951.3
15°	1441.7	1487.2	1513.7	1712.6	1921.0
17.5°	1401.9	1434.1	1453.0	1608.4	1879.3
20°	1377.3	1392.4	1409.5	1532.7	1832.0
22.5°	1360.2	1350.7	1364.0	1479.6	1767.5
25°	1348.9	1312.9	1328.1	1437.9	1691.7
27.5°	1358.4	1278.7	1284.5	1400.1	1612.2
30°	1360.2	1237.1	1239.0	1360.2	1523.2
32.5°	1347.0	1193.6	1195.4	1311.0	1422.7
35°	1314.8	1142.3	1140.5	1254.2	1286.4
37.5°	1271.2	1087.4	1087.4	1191.7	1136.7
40°	1218.1	1032.5	1038.2	1110.2	1004.1
42.5°	1153.7	973.8	981.3	1002.2	905.5
45°	1083.6	916.9	922.6	846.8	829.8
47.5°	1006.0	858.2	860.1	702.9	805.1
50°	913.2	797.6	790.0	602.5	803.2
52.5°	831.7	731.2	708.5	545.6	729.3
55°	752.1	661.2	611.9	502.0	676.4
57.5°	682.0	570.3	522.8	450.8	665.0
60°	617.6	481.2	445.2	396.0	610.0
62.5°	564.5	414.9	407.4	358.0	553.1
65°	507.7	369.4	367.5	325.8	469.9
67.5°	452.8	339.1	337.2	295.5	358.0
70°	394.1	306.9	303.1	263.4	265.2
72.5°	333.5	270.9	267.1	236.8	219.8
75°	272.8	229.2	227.3	206.5	178.1
77.5°	214.0	181.8	185.7	166.7	130.7
80°	153.4	132.6	136.4	119.3	98.5
82.5°	102.3	87.2	90.9	75.8	66.3
85°	56.9	49.2	51.1	39.8	30.3
87.5°	26.5	22.8	22.8	15.2	9.5
90°	26.3	16.7	15.5	10.7	5.9
92.5°	161.9	115.1	105.0	64.4	23.9
95°	398.3	224.3	205.7	131.4	57.3
97.5°	536.4	246.4	230.0	164.5	99.0
100°	586.7	264.8	250.0	190.6	131.3
102.5°	609.8	283.4	269.5	214.1	158.7
105°	626.9	310.8	299.0	252.1	205.2
107.5°	630.1	351.3	340.4	296.6	252.9
110°	625.3	374.0	364.1	324.6	285.1



TEST NUMBER: P935211

CATALOG NUMBER: SQ4-FA-100U-100D-830-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	625.5	401.4	392.1	354.4	316.7
115°	631.2	442.5	433.8	399.1	364.4
117.5°	642.9	482.5	474.7	443.1	411.6
120°	652.6	505.8	498.4	468.7	439.0
122.5°	666.2	533.3	525.8	495.8	465.9
125°	684.8	568.4	561.6	534.3	507.0
127.5°	703.2	602.5	595.6	568.0	540.4
130°	716.8	625.1	617.7	588.0	558.3
132.5°	727.7	643.6	636.1	606.5	576.8
135°	739.7	665.1	658.3	631.2	604.2
137.5°	757.5	692.5	685.8	659.0	632.2
140°	768.4	711.0	704.9	680.2	655.5
142.5°	777.6	724.7	719.0	696.3	673.4
145°	789.6	745.6	740.6	720.7	700.8
147.5°	807.0	771.8	766.9	747.6	728.3
150°	816.1	785.5	781.1	763.7	746.2
152.5°	822.2	794.5	791.2	778.0	764.7
155°	835.3	814.1	811.6	801.9	792.1
157.5°	848.4	833.8	831.4	822.0	812.4
160°	854.4	842.8	841.0	833.5	826.1
162.5°	860.7	852.4	850.9	845.4	839.8
165°	869.9	866.0	864.8	859.7	854.8
167.5°	876.9	873.8	873.2	870.8	868.4
170°	883.0	882.8	882.2	879.8	877.4
172.5°	883.3	883.3	883.2	882.7	882.2
175°	886.9	888.7	888.7	888.7	888.7
177.5°	887.4	888.7	888.7	888.7	888.7
180°	888.7	888.7	888.7	888.7	888.7



TEST NUMBER: P935211  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.30	14.14	14.28	15.13	16.44	16.13	16.97	17.11	17.96	19.27
	3H	13.78	14.53	14.77	15.53	16.86	17.47	18.22	18.46	19.22	20.55
	4H	13.97	14.68	14.97	15.68	17.02	17.91	18.62	18.91	19.63	20.96
	6H	14.09	14.74	15.10	15.75	17.10	18.19	18.85	19.21	19.86	21.21
	8H	14.09	14.71	15.11	15.74	17.08	18.27	18.89	19.29	19.92	21.26
	12H	14.06	14.65	15.08	15.67	17.04	18.30	18.90	19.33	19.92	21.29
4H	2H	14.33	15.04	15.34	16.05	17.38	16.53	17.25	17.54	18.25	19.59
	3H	15.36	15.95	16.37	16.98	18.33	18.04	18.63	19.05	19.66	21.01
	4H	15.63	16.17	16.66	17.20	18.57	18.56	19.10	19.59	20.13	21.50
	6H	15.76	16.22	16.79	17.27	18.64	18.92	19.39	19.96	20.44	21.81
	8H	15.76	16.20	16.80	17.24	18.62	19.03	19.46	20.07	20.51	21.89
	12H	15.73	16.12	16.78	17.18	18.57	19.08	19.48	20.14	20.53	21.92
8H	4H	16.08	16.52	17.12	17.56	18.94	18.68	19.12	19.72	20.16	21.55
	6H	16.34	16.70	17.40	17.79	19.17	19.12	19.48	20.18	20.56	21.94
	8H	16.39	16.70	17.45	17.77	19.17	19.27	19.59	20.34	20.65	22.06
	12H	16.37	16.65	17.44	17.71	19.15	19.37	19.64	20.44	20.71	22.15
12H	4H	16.09	16.48	17.14	17.54	18.93	18.65	19.04	19.70	20.10	21.49
	6H	16.40	16.72	17.47	17.79	19.19	19.12	19.43	20.18	20.50	21.90
	8H	16.47	16.75	17.54	17.81	19.25	19.27	19.55	20.35	20.62	22.06