

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: P935176

Luminaire Tested: SQ4-FA-100U-075D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

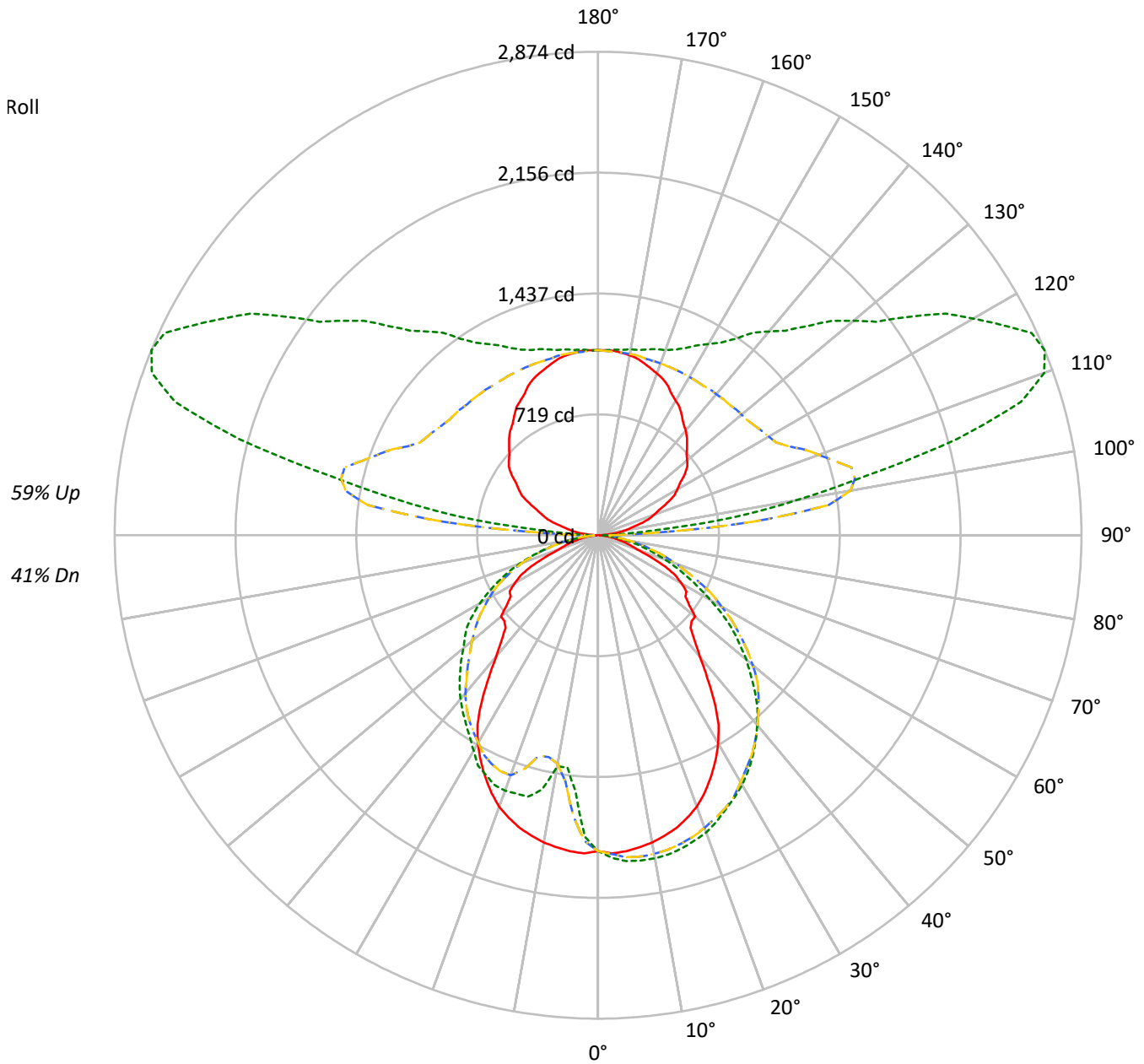
Test Method: LM-79-2019  
Report Number: P935176  
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-940-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12006.7 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 98.4  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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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	50	30	10	0		
RCR																										
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41	41	41	41	41	41	41		
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34	34	34	34	34	34	34		
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29	29	29	29	29	29	29		
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24	24	24	24	24	24	24		
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21	21	21	21	21	21	21		
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18	18	18	18	18	18	18		
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16	16	16	16	16	16	16		
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14	14	14	14	14	14	14		
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13	13	13	13	13	13	13		
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11	11	11	11	11	11	11		
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10	10	10	10	10	10	10		

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

	0°	90°	180°	270°
0°	8709	8709	8709	8709
5°	8774	8791	8774	6913
10°	8716	8660	8716	6191
15°	8621	8473	8621	7075
20°	8441	8250	8441	7090
25°	8072	7926	8072	6939
30°	7594	7657	7594	6609
35°	6770	7316	6770	6247
40°	5642	6916	5642	5973
45°	5041	6447	5041	5658
50°	5355	5887	5355	5342
55°	5038	5284	5038	5159
60°	5194	4488	5194	4725
65°	4709	3710	4709	4147
70°	3260	2957	3260	3477
75°	2859	2185	2859	2617
80°	2305	1445	2305	1573
85°	1323	765	1323	651

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7725 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.4	1.4
10°-20°	481.1	4.0
20°-30°	743.7	6.2
30°-40°	887.8	7.4
40°-50°	893.0	7.4
50°-60°	777.1	6.5
60°-70°	551.0	4.6
70°-80°	291.5	2.4
80°-90°	76.8	0.6
90°-100°	536.6	4.5
100°-110°	1410.6	11.7
110°-120°	1462.6	12.2
120°-130°	1173.2	9.8
130°-140°	920.5	7.7
140°-150°	706.5	5.9
150°-160°	508.8	4.2
160°-170°	311.3	2.6
170°-180°	105.2	0.9
0°-30°	1394.2	11.6
0°-40°	2282.0	19.0
0°-60°	3952.1	32.9
0°-90°	4871.4	40.6
90°-120°	3409.7	28.4
90°-150°	6210.0	51.7
90°-180°	7135.0	59.4
0°-180°	12006.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1877	1877	1877	1877	1877	
5°	1886	1945	1886	1529	1886	179
15°	1801	1927	1801	1609	1801	507
25°	1586	1797	1586	1573	1586	728
35°	1206	1604	1206	1369	1206	746
45°	778	1321	778	1160	778	623
55°	634	975	634	952	634	583
65°	440	588	440	657	440	421
75°	167	279	167	334	167	175
85°	28	71	28	60	28	38
90°	7	28	7	28	7	7
95°	71	324	71	324	71	79
105°	254	2209	254	2209	254	269
115°	451	2844	451	2844	451	446
125°	628	2265	628	2265	628	557
135°	748	1757	748	1757	748	579
145°	868	1426	868	1426	868	544
155°	981	1228	981	1228	981	451
165°	1059	1144	1059	1144	1059	299
175°	1101	1108	1101	1108	1101	104
180°	1101	1101	1101	1101	1101	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1893.1	1893.1	1903.8	1907.3	1907.3	1902.0	1896.7	1902.0	1918.0	1923.3	1921.5
5°	1886.0	1900.2	1919.8	1923.3	1926.9	1925.1	1921.5	1925.1	1942.9	1946.4	1948.2
7.5°	1871.8	1898.5	1923.3	1928.6	1934.0	1928.6	1926.9	1930.4	1948.2	1951.7	1951.7
10°	1854.1	1891.4	1919.8	1923.3	1928.6	1923.3	1923.3	1930.4	1948.2	1951.7	1953.5
12.5°	1829.2	1880.7	1907.3	1910.9	1918.0	1916.2	1914.4	1921.5	1939.3	1942.9	1942.9
15°	1800.8	1861.2	1886.0	1889.6	1902.0	1898.5	1898.5	1905.6	1925.1	1930.4	1928.6
17.5°	1761.7	1836.3	1864.7	1870.0	1878.9	1877.1	1878.9	1886.0	1903.8	1907.3	1909.1
20°	1717.3	1802.6	1836.3	1841.6	1850.5	1850.5	1850.5	1859.4	1877.1	1884.2	1884.2
22.5°	1656.9	1767.0	1802.6	1806.1	1816.8	1816.8	1820.3	1832.7	1848.7	1850.5	1850.5
25°	1585.9	1728.0	1758.2	1768.8	1779.5	1784.8	1790.1	1797.2	1802.6	1800.8	1802.6
27.5°	1511.3	1678.2	1717.3	1724.4	1738.6	1743.9	1751.0	1752.8	1754.6	1759.9	1756.4
30°	1427.8	1609.0	1667.6	1674.7	1697.8	1701.3	1694.2	1697.8	1706.6	1710.2	1713.8
32.5°	1333.7	1506.0	1616.1	1632.1	1653.4	1642.7	1640.9	1646.3	1660.5	1660.5	1664.0
35°	1205.8	1426.0	1568.1	1582.3	1598.3	1585.9	1593.0	1594.8	1603.6	1609.0	1607.2
37.5°	1065.5	1356.8	1518.4	1529.0	1541.5	1525.5	1536.2	1541.5	1548.6	1545.0	1545.0
40°	941.3	1248.4	1459.8	1466.9	1477.5	1465.1	1475.8	1479.3	1482.9	1479.3	1477.5
42.5°	848.9	1129.4	1397.6	1406.5	1399.4	1408.3	1411.8	1418.9	1413.6	1406.5	1406.5
45°	777.9	1097.5	1330.1	1340.8	1330.1	1344.3	1349.7	1349.7	1333.7	1330.1	1328.4
47.5°	754.8	1033.6	1262.6	1262.6	1257.3	1275.1	1284.0	1271.5	1255.5	1250.2	1250.2
50°	753.0	962.6	1170.3	1163.2	1188.1	1209.4	1200.5	1188.1	1175.6	1156.1	1156.1
52.5°	683.8	875.6	1051.4	1077.9	1117.0	1129.4	1115.2	1102.8	1081.5	1072.6	1065.5
55°	634.0	785.0	943.1	996.3	1037.2	1053.2	1026.5	1014.1	982.1	976.8	973.2
57.5°	623.4	653.6	843.6	911.1	960.8	959.0	943.1	920.0	893.3	888.0	886.2
60°	571.9	472.4	737.0	817.0	868.5	863.1	848.9	827.6	802.8	799.2	795.6
62.5°	518.6	342.8	616.3	706.8	779.7	777.9	765.5	733.5	715.7	706.8	699.7
65°	440.4	287.7	438.7	587.9	692.6	696.2	669.6	646.5	626.9	616.3	614.5
67.5°	335.7	234.4	296.6	490.2	609.2	605.6	571.9	561.2	536.4	531.0	520.4
70°	248.6	156.3	206.0	397.8	527.5	518.6	492.0	479.5	456.4	444.0	436.9
72.5°	206.0	126.1	151.0	309.0	444.0	433.3	410.3	396.0	376.5	365.9	358.8
75°	166.9	133.2	115.4	229.1	360.5	353.4	332.1	317.9	301.9	287.7	289.5
77.5°	122.5	124.3	92.4	168.7	285.9	275.3	262.8	245.1	238.0	223.8	223.8
80°	92.4	97.7	69.3	115.4	206.0	206.0	195.4	182.9	170.5	163.4	163.4
82.5°	62.2	62.2	51.5	72.8	140.3	135.0	127.9	124.3	117.2	113.7	113.7
85°	28.4	35.5	32.0	44.4	76.4	79.9	79.9	76.4	74.6	71.0	72.8
87.5°	8.9	16.0	19.5	24.9	39.1	40.8	42.6	42.6	42.6	44.4	44.4
90°	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4	28.1	28.1
92.5°	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0	140.4	134.8
95°	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7	476.5	459.6
97.5°	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3	1100.0	1067.8
100°	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7	1544.7	1506.3
102.5°	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2	1924.4	1891.5
105°	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2	2367.6	2349.9
107.5°	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3	2598.0	2602.3
110°	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0	2657.2	2675.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	392.2	438.8	485.6	497.2	774.7	1144.7	1329.7	1616.3	2189.5	2619.5	2647.7
115°	451.4	494.3	537.4	548.2	781.8	1093.4	1249.1	1525.3	2077.6	2491.7	2530.9
117.5°	509.7	548.8	587.9	597.6	796.4	1061.2	1193.7	1442.9	1941.3	2315.1	2358.5
120°	543.7	580.5	617.2	626.4	808.2	1050.5	1171.6	1399.3	1854.7	2196.2	2238.4
122.5°	576.9	614.1	651.2	660.4	825.1	1044.7	1154.6	1359.6	1769.7	2077.3	2118.9
125°	627.9	661.7	695.6	704.0	848.0	1040.1	1136.1	1310.3	1658.7	1919.9	1958.3
127.5°	669.3	703.4	737.6	746.1	871.0	1037.5	1120.7	1270.2	1569.3	1793.6	1825.9
130°	691.4	728.2	764.9	774.2	887.6	1039.0	1114.7	1247.8	1514.1	1713.8	1743.7
132.5°	714.3	751.1	787.8	797.1	901.2	1040.1	1109.6	1228.7	1467.1	1645.8	1672.5
135°	748.3	781.8	815.4	823.7	916.1	1039.1	1100.7	1200.5	1400.1	1549.8	1572.9
137.5°	783.0	816.2	849.4	857.6	938.2	1045.5	1099.2	1183.5	1352.3	1478.9	1497.8
140°	811.8	842.4	872.9	880.5	951.7	1046.6	1094.0	1166.9	1312.7	1422.0	1439.7
142.5°	834.0	862.2	890.5	897.5	963.0	1050.3	1094.0	1158.0	1286.1	1382.2	1397.4
145°	868.0	892.6	917.3	923.4	977.9	1050.4	1086.6	1139.0	1243.7	1322.3	1333.8
147.5°	901.9	925.9	949.9	955.9	999.5	1057.6	1086.6	1127.8	1210.3	1272.1	1281.6
150°	924.1	945.8	967.5	972.9	1010.8	1061.3	1086.6	1121.5	1191.1	1243.3	1251.0
152.5°	947.1	963.5	979.9	984.0	1018.2	1063.8	1086.6	1116.4	1175.8	1220.4	1226.2
155°	981.0	993.1	1005.3	1008.3	1034.4	1069.2	1086.6	1110.3	1157.6	1193.0	1196.8
157.5°	1006.1	1017.9	1029.8	1032.7	1050.7	1074.7	1086.6	1105.0	1141.8	1169.4	1172.1
160°	1023.2	1032.4	1041.5	1043.8	1058.1	1077.1	1086.6	1102.5	1134.0	1157.6	1159.2
162.5°	1040.1	1047.0	1054.0	1055.7	1066.0	1079.7	1086.6	1100.0	1126.5	1146.5	1148.0
165°	1058.6	1064.8	1071.0	1072.6	1077.3	1083.5	1086.6	1096.1	1115.2	1129.5	1131.1
167.5°	1075.5	1078.5	1081.5	1082.2	1086.1	1091.4	1094.0	1100.2	1112.8	1122.1	1122.7
170°	1086.6	1089.6	1092.6	1093.3	1093.6	1093.8	1094.0	1100.2	1112.8	1122.1	1122.1
172.5°	1092.6	1093.2	1093.8	1094.0	1094.0	1094.0	1094.0	1099.0	1108.8	1116.2	1115.7
175°	1100.7	1100.7	1100.7	1100.7	1098.5	1095.5	1094.0	1097.1	1103.3	1108.0	1108.0
177.5°	1100.7	1100.7	1100.7	1100.7	1099.0	1096.7	1095.5	1098.0	1102.9	1106.6	1106.0
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1925.1	1919.8	1925.1	1921.5	1923.3	1918.0	1902.0	1896.7	1902.0	1907.3	1907.3
5°	1948.2	1944.6	1948.2	1948.2	1946.4	1942.9	1925.1	1921.5	1925.1	1926.9	1923.3
7.5°	1955.3	1950.0	1955.3	1951.7	1951.7	1948.2	1930.4	1926.9	1928.6	1934.0	1928.6
10°	1955.3	1950.0	1955.3	1953.5	1951.7	1948.2	1930.4	1923.3	1923.3	1928.6	1923.3
12.5°	1946.4	1942.9	1946.4	1942.9	1942.9	1939.3	1921.5	1914.4	1916.2	1918.0	1910.9
15°	1932.2	1926.9	1932.2	1928.6	1930.4	1925.1	1905.6	1898.5	1898.5	1902.0	1889.6
17.5°	1910.9	1903.8	1910.9	1909.1	1907.3	1903.8	1886.0	1878.9	1877.1	1878.9	1870.0
20°	1886.0	1880.7	1886.0	1884.2	1884.2	1877.1	1859.4	1850.5	1850.5	1850.5	1841.6
22.5°	1847.0	1841.6	1847.0	1850.5	1850.5	1848.7	1832.7	1820.3	1816.8	1816.8	1806.1
25°	1802.6	1797.2	1802.6	1802.6	1800.8	1802.6	1797.2	1790.1	1784.8	1779.5	1768.8
27.5°	1759.9	1756.4	1759.9	1756.4	1759.9	1754.6	1752.8	1751.0	1743.9	1738.6	1724.4
30°	1717.3	1713.8	1717.3	1713.8	1710.2	1706.6	1697.8	1694.2	1701.3	1697.8	1674.7
32.5°	1664.0	1660.5	1664.0	1664.0	1660.5	1660.5	1646.3	1640.9	1642.7	1653.4	1632.1
35°	1609.0	1603.6	1609.0	1607.2	1609.0	1603.6	1594.8	1593.0	1585.9	1598.3	1582.3
37.5°	1545.0	1539.7	1545.0	1545.0	1545.0	1548.6	1541.5	1536.2	1525.5	1541.5	1529.0
40°	1479.3	1472.2	1479.3	1477.5	1479.3	1482.9	1479.3	1475.8	1465.1	1477.5	1466.9
42.5°	1404.7	1403.0	1404.7	1406.5	1406.5	1413.6	1418.9	1411.8	1408.3	1399.4	1406.5
45°	1324.8	1321.3	1324.8	1328.4	1330.1	1333.7	1349.7	1349.7	1344.3	1330.1	1340.8
47.5°	1239.6	1230.7	1239.6	1250.2	1250.2	1255.5	1271.5	1284.0	1275.1	1257.3	1262.6
50°	1149.0	1150.8	1149.0	1156.1	1156.1	1175.6	1188.1	1200.5	1209.4	1188.1	1163.2
52.5°	1060.2	1058.5	1060.2	1065.5	1072.6	1081.5	1102.8	1115.2	1129.4	1117.0	1077.9
55°	971.5	975.0	971.5	973.2	976.8	982.1	1014.1	1026.5	1053.2	1037.2	996.3
57.5°	882.7	877.3	882.7	886.2	888.0	893.3	920.0	943.1	959.0	960.8	911.1
60°	779.7	772.6	779.7	795.6	799.2	802.8	827.6	848.9	863.1	868.5	817.0
62.5°	689.1	676.7	689.1	699.7	706.8	715.7	733.5	765.5	777.9	779.7	706.8
65°	593.2	587.9	593.2	614.5	616.3	626.9	646.5	669.6	696.2	692.6	587.9
67.5°	506.2	506.2	506.2	520.4	531.0	536.4	561.2	571.9	605.6	609.2	490.2
70°	426.2	424.5	426.2	436.9	444.0	456.4	479.5	492.0	518.6	527.5	397.8
72.5°	349.9	348.1	349.9	358.8	365.9	376.5	396.0	410.3	433.3	444.0	309.0
75°	282.4	278.8	282.4	289.5	287.7	301.9	317.9	332.1	353.4	360.5	229.1
77.5°	216.7	216.7	216.7	223.8	223.8	238.0	245.1	262.8	275.3	285.9	168.7
80°	161.6	159.8	161.6	163.4	163.4	170.5	182.9	195.4	206.0	206.0	115.4
82.5°	113.7	110.1	113.7	113.7	113.7	117.2	124.3	127.9	135.0	140.3	72.8
85°	71.0	71.0	71.0	72.8	71.0	74.6	76.4	79.9	79.9	76.4	44.4
87.5°	46.2	44.4	46.2	44.4	44.4	42.6	42.6	42.6	40.8	39.1	24.9
90°	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2	32.5	20.7
92.5°	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6	200.4	142.6
95°	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5	493.2	277.8
97.5°	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4	664.4	305.1
100°	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2	726.7	328.0
102.5°	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3	755.2	350.8
105°	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4	776.4	384.9
107.5°	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6	780.4	435.1
110°	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4	774.4	463.2





TEST NUMBER: P935176

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2760.6	2873.6	2760.6	2647.7	2619.5	2189.5	1616.3	1329.7	1144.7	774.7	497.2
115°	2687.4	2844.1	2687.4	2530.9	2491.7	2077.6	1525.3	1249.1	1093.4	781.8	548.2
117.5°	2532.2	2705.9	2532.2	2358.5	2315.1	1941.3	1442.9	1193.7	1061.2	796.4	597.6
120°	2407.2	2575.9	2407.2	2238.4	2196.2	1854.7	1399.3	1171.6	1050.5	808.2	626.4
122.5°	2285.4	2451.8	2285.4	2118.9	2077.3	1769.7	1359.6	1154.6	1044.7	825.1	660.4
125°	2111.6	2264.9	2111.6	1958.3	1919.9	1658.7	1310.3	1136.1	1040.1	848.0	704.0
127.5°	1955.3	2084.7	1955.3	1825.9	1793.6	1569.3	1270.2	1120.7	1037.5	871.0	746.1
130°	1863.2	1982.7	1863.2	1743.7	1713.8	1514.1	1247.8	1114.7	1039.0	887.6	774.2
132.5°	1779.6	1886.6	1779.6	1672.5	1645.8	1467.1	1228.7	1109.6	1040.1	901.2	797.1
135°	1665.2	1757.4	1665.2	1572.9	1549.8	1400.1	1200.5	1100.7	1039.1	916.1	823.7
137.5°	1573.3	1648.8	1573.3	1497.8	1478.9	1352.3	1183.5	1099.2	1045.5	938.2	857.6
140°	1510.2	1580.8	1510.2	1439.7	1422.0	1312.7	1166.9	1094.0	1046.6	951.7	880.5
142.5°	1458.1	1518.8	1458.1	1397.4	1382.2	1286.1	1158.0	1094.0	1050.3	963.0	897.5
145°	1379.8	1425.7	1379.8	1333.8	1322.3	1243.7	1139.0	1086.6	1050.4	977.9	923.4
147.5°	1319.7	1357.8	1319.7	1281.6	1272.1	1210.3	1127.8	1086.6	1057.6	999.5	955.9
150°	1281.8	1312.7	1281.8	1251.0	1243.3	1191.1	1121.5	1086.6	1061.3	1010.8	972.9
152.5°	1249.5	1272.8	1249.5	1226.2	1220.4	1175.8	1116.4	1086.6	1063.8	1018.2	984.0
155°	1212.3	1227.7	1212.3	1196.8	1193.0	1157.6	1110.3	1086.6	1069.2	1034.4	1008.3
157.5°	1182.9	1193.7	1182.9	1172.1	1169.4	1141.8	1105.0	1086.6	1074.7	1050.7	1032.7
160°	1165.4	1171.6	1165.4	1159.2	1157.6	1134.0	1102.5	1086.6	1077.1	1058.1	1043.8
162.5°	1153.9	1159.8	1153.9	1148.0	1146.5	1126.5	1100.0	1086.6	1079.7	1066.0	1055.7
165°	1137.4	1143.6	1137.4	1131.1	1129.5	1115.2	1096.1	1086.6	1083.5	1077.3	1072.6
167.5°	1125.4	1128.0	1125.4	1122.7	1122.1	1112.8	1100.2	1094.0	1091.4	1086.1	1082.2
170°	1122.1	1122.1	1122.1	1122.1	1122.1	1112.8	1100.2	1094.0	1093.8	1093.6	1093.3
172.5°	1113.4	1111.1	1113.4	1115.7	1116.2	1108.8	1099.0	1094.0	1094.0	1094.0	1094.0
175°	1108.0	1108.0	1108.0	1108.0	1108.0	1103.3	1097.1	1094.0	1095.5	1098.5	1100.7
177.5°	1103.3	1100.7	1103.3	1106.0	1106.6	1102.9	1098.0	1095.5	1096.7	1099.0	1100.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1903.8	1893.1	1893.1	1875.4	1868.3	1862.9	1854.1	1827.4	1820.3	1813.2	1823.9
5°	1919.8	1900.2	1886.0	1854.1	1827.4	1816.8	1783.0	1719.1	1676.5	1644.5	1626.7
7.5°	1923.3	1898.5	1871.8	1822.1	1758.2	1729.7	1626.7	1509.5	1477.5	1449.1	1431.4
10°	1919.8	1891.4	1854.1	1779.5	1628.5	1578.8	1475.8	1399.4	1379.9	1374.5	1379.9
12.5°	1907.3	1880.7	1829.2	1704.9	1493.5	1459.8	1399.4	1355.0	1351.4	1360.3	1408.3
15°	1886.0	1861.2	1800.8	1605.4	1418.9	1394.1	1351.4	1335.5	1355.0	1417.2	1561.0
17.5°	1864.7	1836.3	1761.7	1507.7	1362.1	1344.3	1314.2	1346.1	1456.2	1539.7	1587.7
20°	1836.3	1802.6	1717.3	1436.7	1321.3	1305.3	1291.1	1434.9	1518.4	1548.6	1575.2
22.5°	1802.6	1767.0	1656.9	1387.0	1278.6	1266.2	1275.1	1484.6	1518.4	1539.7	1562.8
25°	1758.2	1728.0	1585.9	1347.9	1244.9	1230.7	1264.4	1479.3	1498.9	1504.2	1550.4
27.5°	1717.3	1678.2	1511.3	1312.4	1204.0	1198.7	1273.3	1456.2	1470.4	1475.8	1525.5
30°	1667.6	1609.0	1427.8	1275.1	1161.4	1159.6	1275.1	1427.8	1424.3	1438.5	1488.2
32.5°	1616.1	1506.0	1333.7	1228.9	1120.6	1118.8	1262.6	1385.2	1381.6	1401.2	1438.5
35°	1568.1	1426.0	1205.8	1175.6	1069.1	1070.8	1232.5	1335.5	1337.2	1355.0	1378.1
37.5°	1518.4	1356.8	1065.5	1117.0	1019.4	1019.4	1191.6	1289.3	1285.7	1291.1	1323.0
40°	1459.8	1248.4	941.3	1040.7	973.2	967.9	1141.9	1239.6	1227.1	1225.4	1269.8
42.5°	1397.6	1129.4	848.9	939.5	920.0	912.9	1081.5	1179.2	1156.1	1161.4	1218.2
45°	1330.1	1097.5	777.9	793.9	864.9	859.6	1015.9	1109.9	1093.9	1108.1	1166.7
47.5°	1262.6	1033.6	754.8	658.9	806.3	804.5	943.1	1042.5	1033.6	1047.8	1109.9
50°	1170.3	962.6	753.0	564.8	740.6	747.7	856.0	976.8	976.8	989.2	1054.9
52.5°	1051.4	875.6	683.8	511.5	664.2	685.5	779.7	920.0	923.5	936.0	994.6
55°	943.1	785.0	634.0	470.6	573.6	619.8	705.1	861.4	868.5	880.9	934.2
57.5°	843.6	653.6	623.4	422.7	490.2	534.6	639.4	804.5	808.1	818.7	870.2
60°	737.0	472.4	571.9	371.2	417.4	451.1	579.0	737.0	749.5	756.6	801.0
62.5°	616.3	342.8	518.6	335.7	381.8	388.9	529.2	673.1	689.1	694.4	721.1
65°	438.7	287.7	440.4	305.5	344.5	346.3	476.0	607.4	621.6	630.5	650.0
67.5°	296.6	234.4	335.7	277.1	316.1	317.9	424.5	531.0	550.6	557.7	570.1
70°	206.0	156.3	248.6	246.9	284.2	287.7	369.4	461.8	479.5	484.8	492.0
72.5°	151.0	126.1	206.0	222.0	250.4	254.0	312.6	383.6	401.4	406.7	410.3
75°	115.4	133.2	166.9	193.6	213.1	214.9	255.7	312.6	325.0	328.6	330.3
77.5°	92.4	124.3	122.5	156.3	174.0	170.5	200.7	241.5	252.2	252.2	252.2
80°	69.3	97.7	92.4	111.9	127.9	124.3	143.9	172.3	175.8	179.4	177.6
82.5°	51.5	62.2	62.2	71.0	85.2	81.7	95.9	111.9	111.9	111.9	115.4
85°	32.0	35.5	28.4	37.3	48.0	46.2	53.3	60.4	62.2	62.2	58.6
87.5°	19.5	16.0	8.9	14.2	21.3	21.3	24.9	26.6	24.9	24.9	24.9
90°	19.2	13.3	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4
92.5°	130.1	79.8	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0
95°	254.8	162.9	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7
97.5°	284.9	203.7	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3
100°	309.6	236.0	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7
102.5°	333.7	265.1	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2
105°	370.3	312.2	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2
107.5°	421.5	367.4	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3
110°	450.9	402.0	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0



TEST NUMBER: P935176

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	485.6	438.8	392.2	438.8	485.6	497.2	774.7	1144.7	1329.7	1616.3	2189.5
115°	537.4	494.3	451.4	494.3	537.4	548.2	781.8	1093.4	1249.1	1525.3	2077.6
117.5°	587.9	548.8	509.7	548.8	587.9	597.6	796.4	1061.2	1193.7	1442.9	1941.3
120°	617.2	580.5	543.7	580.5	617.2	626.4	808.2	1050.5	1171.6	1399.3	1854.7
122.5°	651.2	614.1	576.9	614.1	651.2	660.4	825.1	1044.7	1154.6	1359.6	1769.7
125°	695.6	661.7	627.9	661.7	695.6	704.0	848.0	1040.1	1136.1	1310.3	1658.7
127.5°	737.6	703.4	669.3	703.4	737.6	746.1	871.0	1037.5	1120.7	1270.2	1569.3
130°	764.9	728.2	691.4	728.2	764.9	774.2	887.6	1039.0	1114.7	1247.8	1514.1
132.5°	787.8	751.1	714.3	751.1	787.8	797.1	901.2	1040.1	1109.6	1228.7	1467.1
135°	815.4	781.8	748.3	781.8	815.4	823.7	916.1	1039.1	1100.7	1200.5	1400.1
137.5°	849.4	816.2	783.0	816.2	849.4	857.6	938.2	1045.5	1099.2	1183.5	1352.3
140°	872.9	842.4	811.8	842.4	872.9	880.5	951.7	1046.6	1094.0	1166.9	1312.7
142.5°	890.5	862.2	834.0	862.2	890.5	897.5	963.0	1050.3	1094.0	1158.0	1286.1
145°	917.3	892.6	868.0	892.6	917.3	923.4	977.9	1050.4	1086.6	1139.0	1243.7
147.5°	949.9	925.9	901.9	925.9	949.9	955.9	999.5	1057.6	1086.6	1127.8	1210.3
150°	967.5	945.8	924.1	945.8	967.5	972.9	1010.8	1061.3	1086.6	1121.5	1191.1
152.5°	979.9	963.5	947.1	963.5	979.9	984.0	1018.2	1063.8	1086.6	1116.4	1175.8
155°	1005.3	993.1	981.0	993.1	1005.3	1008.3	1034.4	1069.2	1086.6	1110.3	1157.6
157.5°	1029.8	1017.9	1006.1	1017.9	1029.8	1032.7	1050.7	1074.7	1086.6	1105.0	1141.8
160°	1041.5	1032.4	1023.2	1032.4	1041.5	1043.8	1058.1	1077.1	1086.6	1102.5	1134.0
162.5°	1054.0	1047.0	1040.1	1047.0	1054.0	1055.7	1066.0	1079.7	1086.6	1100.0	1126.5
165°	1071.0	1064.8	1058.6	1064.8	1071.0	1072.6	1077.3	1083.5	1086.6	1096.1	1115.2
167.5°	1081.5	1078.5	1075.5	1078.5	1081.5	1082.2	1086.1	1091.4	1094.0	1100.2	1112.8
170°	1092.6	1089.6	1086.6	1089.6	1092.6	1093.3	1093.6	1093.8	1094.0	1100.2	1112.8
172.5°	1093.8	1093.2	1092.6	1093.2	1093.8	1094.0	1094.0	1094.0	1094.0	1099.0	1108.8
175°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1098.5	1095.5	1094.0	1097.1	1103.3
177.5°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1099.0	1096.7	1095.5	1098.0	1102.9
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



TEST NUMBER: P935176  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1811.4	1806.1	1813.2	1793.7	1813.2	1806.1	1811.4	1823.9	1813.2	1820.3	1827.4
5°	1589.4	1580.6	1552.1	1529.0	1552.1	1580.6	1589.4	1626.7	1644.5	1676.5	1719.1
7.5°	1420.7	1413.6	1406.5	1392.3	1406.5	1413.6	1420.7	1431.4	1449.1	1477.5	1509.5
10°	1383.4	1385.2	1395.8	1394.1	1395.8	1385.2	1383.4	1379.9	1374.5	1379.9	1399.4
12.5°	1479.3	1495.3	1553.9	1550.4	1553.9	1495.3	1479.3	1408.3	1360.3	1351.4	1355.0
15°	1589.4	1594.8	1607.2	1609.0	1607.2	1594.8	1589.4	1561.0	1417.2	1355.0	1335.5
17.5°	1600.1	1601.9	1610.7	1610.7	1610.7	1601.9	1600.1	1587.7	1539.7	1456.2	1346.1
20°	1591.2	1594.8	1612.5	1616.1	1612.5	1594.8	1591.2	1575.2	1548.6	1518.4	1434.9
22.5°	1587.7	1594.8	1609.0	1607.2	1609.0	1594.8	1587.7	1562.8	1539.7	1518.4	1484.6
25°	1569.9	1569.9	1571.7	1573.4	1571.7	1569.9	1569.9	1550.4	1504.2	1498.9	1479.3
27.5°	1532.6	1536.2	1546.8	1545.0	1546.8	1536.2	1532.6	1525.5	1475.8	1470.4	1456.2
30°	1498.9	1495.3	1486.4	1479.3	1486.4	1495.3	1498.9	1488.2	1438.5	1424.3	1427.8
32.5°	1442.0	1433.1	1424.3	1418.9	1424.3	1433.1	1442.0	1438.5	1401.2	1381.6	1385.2
35°	1374.5	1376.3	1374.5	1369.2	1374.5	1376.3	1374.5	1378.1	1355.0	1337.2	1335.5
37.5°	1326.6	1330.1	1328.4	1321.3	1328.4	1330.1	1326.6	1323.0	1291.1	1285.7	1289.3
40°	1276.9	1278.6	1276.9	1271.5	1276.9	1278.6	1276.9	1269.8	1225.4	1227.1	1239.6
42.5°	1228.9	1227.1	1221.8	1218.2	1221.8	1227.1	1228.9	1218.2	1161.4	1156.1	1179.2
45°	1173.8	1175.6	1165.0	1159.6	1165.0	1175.6	1173.8	1166.7	1108.1	1093.9	1109.9
47.5°	1118.8	1118.8	1109.9	1104.6	1109.9	1118.8	1118.8	1109.9	1047.8	1033.6	1042.5
50°	1060.2	1058.5	1046.1	1044.3	1046.1	1058.5	1060.2	1054.9	989.2	976.8	976.8
52.5°	992.8	992.8	994.6	998.1	994.6	992.8	992.8	994.6	936.0	923.5	920.0
55°	934.2	936.0	948.4	951.9	948.4	936.0	934.2	934.2	880.9	868.5	861.4
57.5°	873.8	873.8	882.7	882.7	882.7	873.8	873.8	870.2	818.7	808.1	804.5
60°	804.5	808.1	815.2	813.4	815.2	808.1	804.5	801.0	756.6	749.5	737.0
62.5°	731.7	735.3	737.0	733.5	737.0	735.3	731.7	721.1	694.4	689.1	673.1
65°	655.3	658.9	660.7	657.1	660.7	658.9	655.3	650.0	630.5	621.6	607.4
67.5°	577.2	575.4	573.6	580.8	573.6	575.4	577.2	570.1	557.7	550.6	531.0
70°	497.3	497.3	495.5	499.1	495.5	497.3	497.3	492.0	484.8	479.5	461.8
72.5°	412.0	410.3	417.4	412.0	417.4	410.3	412.0	410.3	406.7	401.4	383.6
75°	328.6	332.1	328.6	333.9	328.6	332.1	328.6	330.3	328.6	325.0	312.6
77.5°	250.4	254.0	250.4	250.4	250.4	254.0	250.4	252.2	252.2	252.2	241.5
80°	177.6	175.8	175.8	174.0	175.8	175.8	177.6	177.6	179.4	175.8	172.3
82.5°	113.7	111.9	111.9	115.4	111.9	111.9	113.7	115.4	111.9	111.9	111.9
85°	62.2	63.9	60.4	60.4	60.4	63.9	62.2	58.6	62.2	62.2	60.4
87.5°	23.1	21.3	21.3	21.3	21.3	21.3	23.1	24.9	24.9	24.9	26.6
90°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2
92.5°	140.4	134.8	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6
95°	476.5	459.6	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5
97.5°	1100.0	1067.8	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4
100°	1544.7	1506.3	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2
102.5°	1924.4	1891.5	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3
105°	2367.6	2349.9	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4
107.5°	2598.0	2602.3	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6
110°	2657.2	2675.5	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2619.5	2647.7	2760.6	2873.6	2760.6	2647.7	2619.5	2189.5	1616.3	1329.7	1144.7
115°	2491.7	2530.9	2687.4	2844.1	2687.4	2530.9	2491.7	2077.6	1525.3	1249.1	1093.4
117.5°	2315.1	2358.5	2532.2	2705.9	2532.2	2358.5	2315.1	1941.3	1442.9	1193.7	1061.2
120°	2196.2	2238.4	2407.2	2575.9	2407.2	2238.4	2196.2	1854.7	1399.3	1171.6	1050.5
122.5°	2077.3	2118.9	2285.4	2451.8	2285.4	2118.9	2077.3	1769.7	1359.6	1154.6	1044.7
125°	1919.9	1958.3	2111.6	2264.9	2111.6	1958.3	1919.9	1658.7	1310.3	1136.1	1040.1
127.5°	1793.6	1825.9	1955.3	2084.7	1955.3	1825.9	1793.6	1569.3	1270.2	1120.7	1037.5
130°	1713.8	1743.7	1863.2	1982.7	1863.2	1743.7	1713.8	1514.1	1247.8	1114.7	1039.0
132.5°	1645.8	1672.5	1779.6	1886.6	1779.6	1672.5	1645.8	1467.1	1228.7	1109.6	1040.1
135°	1549.8	1572.9	1665.2	1757.4	1665.2	1572.9	1549.8	1400.1	1200.5	1100.7	1039.1
137.5°	1478.9	1497.8	1573.3	1648.8	1573.3	1497.8	1478.9	1352.3	1183.5	1099.2	1045.5
140°	1422.0	1439.7	1510.2	1580.8	1510.2	1439.7	1422.0	1312.7	1166.9	1094.0	1046.6
142.5°	1382.2	1397.4	1458.1	1518.8	1458.1	1397.4	1382.2	1286.1	1158.0	1094.0	1050.3
145°	1322.3	1333.8	1379.8	1425.7	1379.8	1333.8	1322.3	1243.7	1139.0	1086.6	1050.4
147.5°	1272.1	1281.6	1319.7	1357.8	1319.7	1281.6	1272.1	1210.3	1127.8	1086.6	1057.6
150°	1243.3	1251.0	1281.8	1312.7	1281.8	1251.0	1243.3	1191.1	1121.5	1086.6	1061.3
152.5°	1220.4	1226.2	1249.5	1272.8	1249.5	1226.2	1220.4	1175.8	1116.4	1086.6	1063.8
155°	1193.0	1196.8	1212.3	1227.7	1212.3	1196.8	1193.0	1157.6	1110.3	1086.6	1069.2
157.5°	1169.4	1172.1	1182.9	1193.7	1182.9	1172.1	1169.4	1141.8	1105.0	1086.6	1074.7
160°	1157.6	1159.2	1165.4	1171.6	1165.4	1159.2	1157.6	1134.0	1102.5	1086.6	1077.1
162.5°	1146.5	1148.0	1153.9	1159.8	1153.9	1148.0	1146.5	1126.5	1100.0	1086.6	1079.7
165°	1129.5	1131.1	1137.4	1143.6	1137.4	1131.1	1129.5	1115.2	1096.1	1086.6	1083.5
167.5°	1122.1	1122.7	1125.4	1128.0	1125.4	1122.7	1122.1	1112.8	1100.2	1094.0	1091.4
170°	1122.1	1122.1	1122.1	1122.1	1122.1	1122.1	1122.1	1112.8	1100.2	1094.0	1093.8
172.5°	1116.2	1115.7	1113.4	1111.1	1113.4	1115.7	1116.2	1108.8	1099.0	1094.0	1094.0
175°	1108.0	1108.0	1108.0	1108.0	1108.0	1108.0	1108.0	1103.3	1097.1	1094.0	1095.5
177.5°	1106.6	1106.0	1103.3	1100.7	1103.3	1106.0	1106.6	1102.9	1098.0	1095.5	1096.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1854.1	1862.9	1868.3	1875.4	1893.1
5°	1783.0	1816.8	1827.4	1854.1	1886.0
7.5°	1626.7	1729.7	1758.2	1822.1	1871.8
10°	1475.8	1578.8	1628.5	1779.5	1854.1
12.5°	1399.4	1459.8	1493.5	1704.9	1829.2
15°	1351.4	1394.1	1418.9	1605.4	1800.8
17.5°	1314.2	1344.3	1362.1	1507.7	1761.7
20°	1291.1	1305.3	1321.3	1436.7	1717.3
22.5°	1275.1	1266.2	1278.6	1387.0	1656.9
25°	1264.4	1230.7	1244.9	1347.9	1585.9
27.5°	1273.3	1198.7	1204.0	1312.4	1511.3
30°	1275.1	1159.6	1161.4	1275.1	1427.8
32.5°	1262.6	1118.8	1120.6	1228.9	1333.7
35°	1232.5	1070.8	1069.1	1175.6	1205.8
37.5°	1191.6	1019.4	1019.4	1117.0	1065.5
40°	1141.9	967.9	973.2	1040.7	941.3
42.5°	1081.5	912.9	920.0	939.5	848.9
45°	1015.9	859.6	864.9	793.9	777.9
47.5°	943.1	804.5	806.3	658.9	754.8
50°	856.0	747.7	740.6	564.8	753.0
52.5°	779.7	685.5	664.2	511.5	683.8
55°	705.1	619.8	573.6	470.6	634.0
57.5°	639.4	534.6	490.2	422.7	623.4
60°	579.0	451.1	417.4	371.2	571.9
62.5°	529.2	388.9	381.8	335.7	518.6
65°	476.0	346.3	344.5	305.5	440.4
67.5°	424.5	317.9	316.1	277.1	335.7
70°	369.4	287.7	284.2	246.9	248.6
72.5°	312.6	254.0	250.4	222.0	206.0
75°	255.7	214.9	213.1	193.6	166.9
77.5°	200.7	170.5	174.0	156.3	122.5
80°	143.9	124.3	127.9	111.9	92.4
82.5°	95.9	81.7	85.2	71.0	62.2
85°	53.3	46.2	48.0	37.3	28.4
87.5°	24.9	21.3	21.3	14.2	8.9
90°	32.5	20.7	19.2	13.3	7.4
92.5°	200.4	142.6	130.1	79.8	29.6
95°	493.2	277.8	254.8	162.9	71.0
97.5°	664.4	305.1	284.9	203.7	122.6
100°	726.7	328.0	309.6	236.0	162.5
102.5°	755.2	350.8	333.7	265.1	196.5
105°	776.4	384.9	370.3	312.2	254.1
107.5°	780.4	435.1	421.5	367.4	313.2
110°	774.4	463.2	450.9	402.0	353.1



TEST NUMBER: P935176

CATALOG NUMBER: SQ4-FA-100U-075D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	774.7	497.2	485.6	438.8	392.2
115°	781.8	548.2	537.4	494.3	451.4
117.5°	796.4	597.6	587.9	548.8	509.7
120°	808.2	626.4	617.2	580.5	543.7
122.5°	825.1	660.4	651.2	614.1	576.9
125°	848.0	704.0	695.6	661.7	627.9
127.5°	871.0	746.1	737.6	703.4	669.3
130°	887.6	774.2	764.9	728.2	691.4
132.5°	901.2	797.1	787.8	751.1	714.3
135°	916.1	823.7	815.4	781.8	748.3
137.5°	938.2	857.6	849.4	816.2	783.0
140°	951.7	880.5	872.9	842.4	811.8
142.5°	963.0	897.5	890.5	862.2	834.0
145°	977.9	923.4	917.3	892.6	868.0
147.5°	999.5	955.9	949.9	925.9	901.9
150°	1010.8	972.9	967.5	945.8	924.1
152.5°	1018.2	984.0	979.9	963.5	947.1
155°	1034.4	1008.3	1005.3	993.1	981.0
157.5°	1050.7	1032.7	1029.8	1017.9	1006.1
160°	1058.1	1043.8	1041.5	1032.4	1023.2
162.5°	1066.0	1055.7	1054.0	1047.0	1040.1
165°	1077.3	1072.6	1071.0	1064.8	1058.6
167.5°	1086.1	1082.2	1081.5	1078.5	1075.5
170°	1093.6	1093.3	1092.6	1089.6	1086.6
172.5°	1094.0	1094.0	1093.8	1093.2	1092.6
175°	1098.5	1100.7	1100.7	1100.7	1100.7
177.5°	1099.0	1100.7	1100.7	1100.7	1100.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7



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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	11.39	12.17	12.42	13.21	14.61	14.23	15.01	15.26	16.05	17.45
	3H	11.86	12.56	12.90	13.61	15.03	15.57	16.27	16.61	17.32	18.74
	4H	12.05	12.71	13.10	13.76	15.19	16.01	16.67	17.07	17.73	19.15
	6H	12.16	12.77	13.23	13.83	15.27	16.29	16.90	17.36	17.96	19.40
	8H	12.16	12.74	13.23	13.81	15.25	16.37	16.95	17.44	18.02	19.45
	12H	12.13	12.68	13.20	13.75	15.20	16.40	16.96	17.48	18.02	19.48
4H	2H	12.41	13.08	13.48	14.13	15.56	14.62	15.29	15.69	16.34	17.77
	3H	13.43	13.99	14.50	15.07	16.51	16.13	16.68	17.20	17.76	19.20
	4H	13.71	14.21	14.78	15.28	16.74	16.65	17.16	17.73	18.23	19.69
	6H	13.83	14.26	14.91	15.36	16.81	17.01	17.45	18.10	18.54	20.00
	8H	13.83	14.24	14.92	15.32	16.79	17.12	17.53	18.21	18.61	20.08
	12H	13.79	14.16	14.90	15.26	16.74	17.17	17.54	18.28	18.64	20.12
8H	4H	14.15	14.56	15.24	15.65	17.12	16.77	17.18	17.86	18.26	19.73
	6H	14.41	14.75	15.52	15.88	17.34	17.21	17.54	18.31	18.67	20.14
	8H	14.45	14.75	15.57	15.86	17.35	17.36	17.65	18.47	18.76	20.25
	12H	14.43	14.69	15.55	15.80	17.32	17.45	17.71	18.57	18.82	20.34
12H	4H	14.16	14.52	15.26	15.62	17.10	16.73	17.10	17.83	18.20	19.67
	6H	14.47	14.77	15.59	15.88	17.36	17.20	17.50	18.32	18.61	20.09
	8H	14.54	14.79	15.65	15.90	17.43	17.36	17.62	18.48	18.73	20.25