

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: P934609

Luminaire Tested: SQ4-FA-075U-050D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

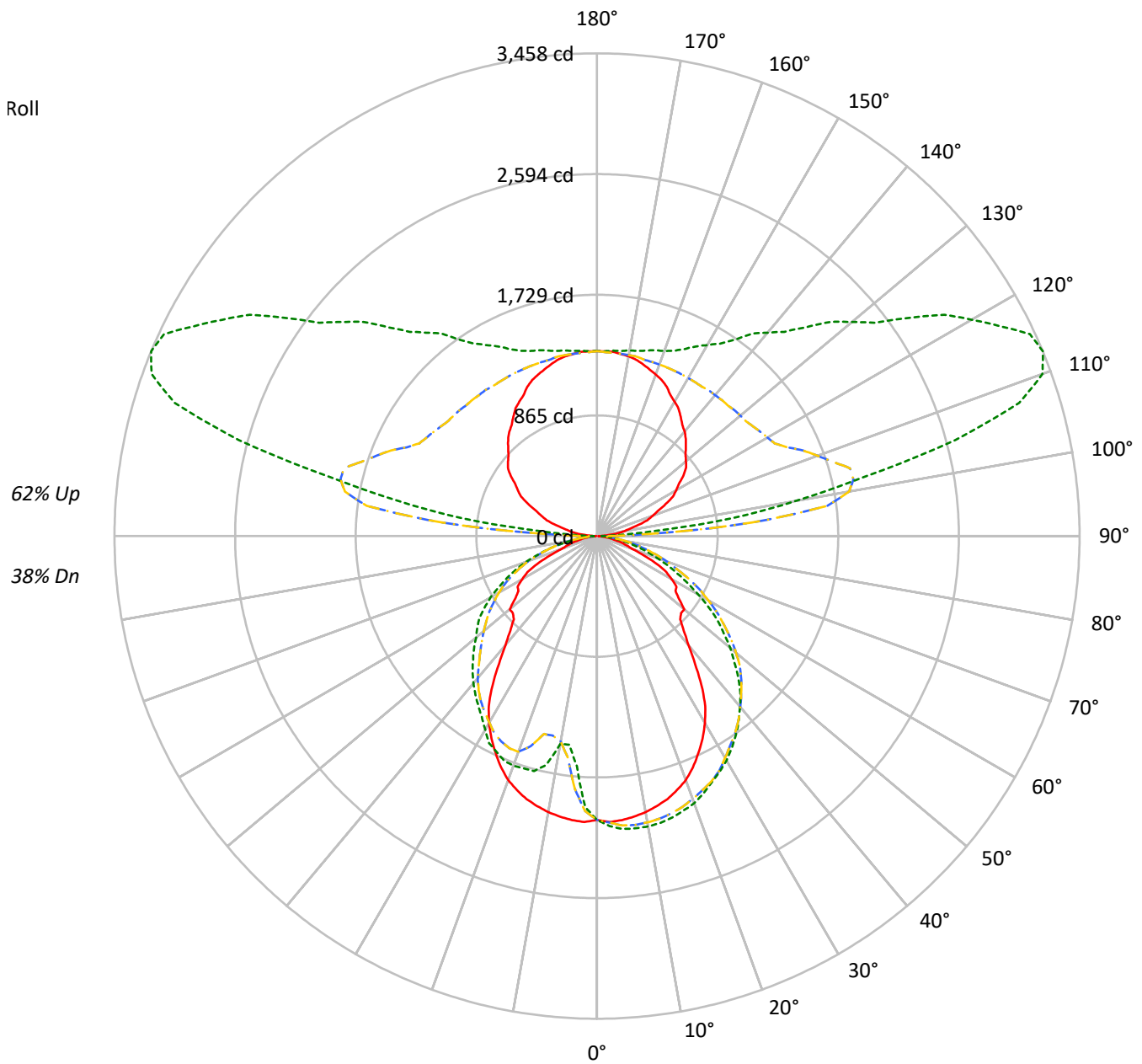
Test Method: LM-79-2019  
Report Number: P934609  
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-830-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13863.9 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 103.2  
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

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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				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	0	
RCR																						
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27				27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20				20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11				11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10				10

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

	0°	90°	180°	270°
0°	6288	6288	6288	6288
5°	6338	6348	6338	4991
10°	6298	6253	6298	4470
15°	6231	6117	6231	5108
20°	6104	5957	6104	5119
25°	5839	5723	5839	5010
30°	5497	5529	5497	4773
35°	4903	5283	4903	4510
40°	4087	4993	4087	4313
45°	3654	4655	3654	4085
50°	3886	4250	3886	3857
55°	3660	3816	3660	3725
60°	3777	3241	3777	3412
65°	3430	2679	3430	2994
70°	2381	2135	2381	2510
75°	2096	1578	2096	1890
80°	1701	1043	1701	1136
85°	998	553	998	470

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5598 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.5	1.3
10°-20°	521.1	3.8
20°-30°	805.5	5.8
30°-40°	961.6	6.9
40°-50°	967.2	7.0
50°-60°	841.6	6.1
60°-70°	596.7	4.3
70°-80°	315.7	2.3
80°-90°	83.7	0.6
90°-100°	645.7	4.7
100°-110°	1697.7	12.2
110°-120°	1760.3	12.7
120°-130°	1411.9	10.2
130°-140°	1107.9	8.0
140°-150°	850.3	6.1
150°-160°	612.4	4.4
160°-170°	374.7	2.7
170°-180°	126.6	0.9
0°-30°	1510.0	10.9
0°-40°	2471.6	17.8
0°-60°	4280.4	30.9
0°-90°	5276.4	38.1
90°-120°	4103.6	29.6
90°-150°	7473.8	53.9
90°-180°	8587.0	61.9
0°-180°	13863.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2106	2043	1656	2043	194
15°	1950	2087	1950	1743	1950	549
25°	1718	1946	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	842	1431	842	1256	842	675
55°	687	1056	687	1031	687	631
65°	477	637	477	712	477	456
75°	181	302	181	362	181	190
85°	31	77	31	65	31	42
90°	9	34	9	34	9	9
95°	85	390	85	390	85	95
105°	306	2658	306	2658	306	324
115°	543	3423	543	3423	543	537
125°	756	2726	756	2726	756	671
135°	901	2115	901	2115	901	697
145°	1045	1716	1045	1716	1045	654
155°	1181	1478	1181	1478	1181	542
165°	1274	1376	1274	1376	1274	360
175°	1325	1334	1325	1334	1325	126
180°	1325	1325	1325	1325	1325	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2050.3	2050.3	2061.9	2065.7	2065.7	2060.0	2054.3	2060.0	2077.3	2083.0	2081.1
5°	2042.7	2058.1	2079.2	2083.0	2086.9	2085.0	2081.1	2085.0	2104.3	2108.1	2110.0
7.5°	2027.3	2056.2	2083.0	2088.9	2094.6	2088.9	2086.9	2090.8	2110.0	2113.8	2113.8
10°	2008.1	2048.4	2079.2	2083.0	2088.9	2083.0	2083.0	2090.8	2110.0	2113.8	2115.8
12.5°	1981.1	2036.9	2065.7	2069.6	2077.3	2075.4	2073.5	2081.1	2100.4	2104.3	2104.3
15°	1950.3	2015.7	2042.7	2046.5	2060.0	2056.2	2056.2	2063.8	2085.0	2090.8	2088.9
17.5°	1908.1	1988.9	2019.6	2025.4	2035.0	2033.0	2035.0	2042.7	2061.9	2065.7	2067.7
20°	1860.0	1952.2	1988.9	1994.6	2004.3	2004.3	2004.3	2013.8	2033.0	2040.8	2040.8
22.5°	1794.6	1913.8	1952.2	1956.2	1967.6	1967.6	1971.6	1984.9	2002.2	2004.3	2004.3
25°	1717.6	1871.5	1904.2	1915.7	1927.3	1933.0	1938.9	1946.5	1952.2	1950.3	1952.2
27.5°	1636.9	1817.6	1860.0	1867.6	1883.0	1888.8	1896.5	1898.4	1900.3	1906.1	1902.2
30°	1546.4	1742.6	1806.1	1813.8	1838.8	1842.7	1834.9	1838.8	1848.4	1852.2	1856.1
32.5°	1444.5	1631.0	1750.3	1767.6	1790.7	1779.2	1777.2	1783.0	1798.4	1798.4	1802.3
35°	1306.0	1544.5	1698.4	1713.8	1731.1	1717.6	1725.3	1727.2	1736.9	1742.6	1740.7
37.5°	1154.1	1469.5	1644.5	1656.1	1669.6	1652.3	1663.7	1669.6	1677.2	1673.4	1673.4
40°	1019.4	1352.2	1581.0	1588.8	1600.2	1586.9	1598.3	1602.3	1606.1	1602.3	1600.2
42.5°	919.4	1223.3	1513.7	1523.4	1515.6	1525.3	1529.1	1536.9	1531.0	1523.4	1523.4
45°	842.4	1188.7	1440.7	1452.2	1440.7	1456.1	1461.8	1461.8	1444.5	1440.7	1438.7
47.5°	817.5	1119.5	1367.6	1367.6	1361.8	1381.0	1390.6	1377.2	1359.9	1354.1	1354.1
50°	815.6	1042.5	1267.6	1259.8	1286.8	1309.8	1300.3	1286.8	1273.3	1252.2	1252.2
52.5°	740.5	948.3	1138.7	1167.6	1209.8	1223.3	1207.9	1194.4	1171.4	1161.7	1154.1
55°	686.7	850.2	1021.3	1079.0	1123.3	1140.6	1111.7	1098.3	1063.6	1057.9	1054.1
57.5°	675.1	707.8	913.6	986.7	1040.6	1038.7	1021.3	996.3	967.5	961.7	959.8
60°	619.4	511.7	798.3	884.8	940.5	934.8	919.4	896.3	869.4	865.6	861.7
62.5°	561.6	371.2	667.4	765.6	844.3	842.4	829.0	794.3	775.1	765.6	757.8
65°	477.0	311.6	475.1	636.7	750.2	754.0	725.1	700.2	679.0	667.4	665.5
67.5°	363.6	253.9	321.2	530.9	659.7	655.9	619.4	607.8	580.9	575.1	563.6
70°	269.3	169.3	223.1	430.9	571.3	561.6	532.8	519.3	494.3	480.9	473.1
72.5°	223.1	136.5	163.5	334.7	480.9	469.3	444.3	429.0	407.7	396.3	388.5
75°	180.8	144.3	125.0	248.1	390.4	382.8	359.6	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.6	298.2	284.7	265.5	257.7	242.3	242.3
80°	100.0	105.8	75.0	125.0	223.1	223.1	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.5	134.6	127.0	123.1	123.1
85°	30.8	38.4	34.6	48.1	82.7	86.5	86.5	82.7	80.8	77.0	78.9
87.5°	9.7	17.3	21.1	27.0	42.4	44.3	46.2	46.2	46.2	48.1	48.1
90°	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0	33.7	33.7
92.5°	35.6	96.0	156.5	171.6	241.2	334.0	380.5	333.5	239.5	168.9	162.2
95°	85.4	196.0	306.7	334.3	593.6	939.4	1112.2	992.5	753.0	573.4	553.0
97.5°	147.6	245.2	342.8	367.2	799.6	1376.1	1664.3	1588.6	1437.3	1323.8	1285.1
100°	195.6	284.1	372.6	394.7	874.5	1514.2	1834.1	1839.6	1850.7	1859.0	1812.9
102.5°	236.5	319.1	401.6	422.3	908.9	1557.7	1882.2	1978.5	2171.4	2316.0	2276.5
105°	305.8	375.8	445.7	463.2	934.4	1562.7	1876.8	2093.0	2525.3	2849.5	2828.2
107.5°	377.0	442.2	507.3	523.7	939.2	1493.2	1770.1	2071.7	2674.6	3126.8	3132.0
110°	424.9	483.8	542.7	557.4	932.0	1431.5	1681.2	2018.3	2692.4	3197.9	3220.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	472.1	528.2	584.3	598.4	932.4	1377.7	1600.3	1945.3	2635.2	3152.6	3186.5
115°	543.2	594.9	646.7	659.6	940.9	1315.9	1503.4	1835.7	2500.3	2998.8	3045.9
117.5°	613.5	660.5	707.4	719.2	958.4	1277.2	1436.7	1736.6	2336.4	2786.3	2838.6
120°	654.4	698.6	742.8	753.9	972.6	1264.2	1410.0	1684.0	2232.1	2643.1	2693.9
122.5°	694.3	739.0	783.6	794.8	993.1	1257.4	1389.5	1636.3	2129.9	2500.0	2550.1
125°	755.7	796.4	837.2	847.3	1020.6	1251.8	1367.4	1577.0	1996.2	2310.7	2356.8
127.5°	805.5	846.6	887.7	898.0	1048.3	1248.5	1348.7	1528.7	1888.7	2158.6	2197.6
130°	832.2	876.5	920.6	931.7	1068.3	1250.4	1341.6	1501.8	1822.2	2062.6	2098.5
132.5°	859.7	904.0	948.2	959.3	1084.6	1251.8	1335.3	1478.7	1765.6	1980.8	2013.0
135°	900.6	940.9	981.2	991.3	1102.5	1250.6	1324.7	1444.8	1685.0	1865.3	1893.0
137.5°	942.4	982.3	1022.3	1032.2	1129.1	1258.3	1322.9	1424.4	1627.6	1779.9	1802.6
140°	977.0	1013.7	1050.5	1059.7	1145.4	1259.6	1316.7	1404.5	1579.9	1711.4	1732.7
142.5°	1003.7	1037.7	1071.7	1080.2	1159.1	1264.1	1316.7	1393.8	1547.9	1663.4	1681.7
145°	1044.6	1074.3	1103.9	1111.4	1176.8	1264.1	1307.8	1370.8	1496.9	1591.5	1605.3
147.5°	1085.5	1114.4	1143.3	1150.5	1202.9	1272.8	1307.8	1357.4	1456.6	1530.9	1542.4
150°	1112.2	1138.3	1164.4	1170.9	1216.5	1277.4	1307.8	1349.7	1433.4	1496.2	1505.5
152.5°	1139.7	1159.5	1179.2	1184.2	1225.4	1280.4	1307.8	1343.6	1415.1	1468.7	1475.7
155°	1180.7	1195.3	1209.9	1213.5	1245.0	1286.9	1307.8	1336.3	1393.2	1435.8	1440.5
157.5°	1210.9	1225.1	1239.4	1242.9	1264.5	1293.4	1307.8	1329.9	1374.2	1407.3	1410.6
160°	1231.3	1242.4	1253.5	1256.3	1273.5	1296.3	1307.8	1326.7	1364.7	1393.2	1395.1
162.5°	1251.8	1260.1	1268.3	1270.4	1282.9	1299.5	1307.8	1323.8	1355.8	1379.8	1381.6
165°	1274.1	1281.5	1289.0	1290.9	1296.5	1304.1	1307.8	1319.3	1342.1	1359.3	1361.2
167.5°	1294.4	1298.0	1301.6	1302.5	1307.2	1313.5	1316.7	1324.2	1339.2	1350.4	1351.2
170°	1307.8	1311.3	1315.0	1315.8	1316.1	1316.5	1316.7	1324.2	1339.2	1350.4	1350.4
172.5°	1314.9	1315.6	1316.5	1316.7	1316.7	1316.7	1316.7	1322.6	1334.5	1343.4	1342.7
175°	1324.7	1324.7	1324.7	1324.7	1322.1	1318.5	1316.7	1320.4	1328.0	1333.6	1333.6
177.5°	1324.7	1324.7	1324.7	1324.7	1322.6	1319.9	1318.5	1321.5	1327.4	1331.8	1331.0
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2085.0	2079.2	2085.0	2081.1	2083.0	2077.3	2060.0	2054.3	2060.0	2065.7	2065.7
5°	2110.0	2106.2	2110.0	2110.0	2108.1	2104.3	2085.0	2081.1	2085.0	2086.9	2083.0
7.5°	2117.7	2111.9	2117.7	2113.8	2113.8	2110.0	2090.8	2086.9	2088.9	2094.6	2088.9
10°	2117.7	2111.9	2117.7	2115.8	2113.8	2110.0	2090.8	2083.0	2083.0	2088.9	2083.0
12.5°	2108.1	2104.3	2108.1	2104.3	2104.3	2100.4	2081.1	2073.5	2075.4	2077.3	2069.6
15°	2092.7	2086.9	2092.7	2088.9	2090.8	2085.0	2063.8	2056.2	2056.2	2060.0	2046.5
17.5°	2069.6	2061.9	2069.6	2067.7	2065.7	2061.9	2042.7	2035.0	2033.0	2035.0	2025.4
20°	2042.7	2036.9	2042.7	2040.8	2040.8	2033.0	2013.8	2004.3	2004.3	2004.3	1994.6
22.5°	2000.3	1994.6	2000.3	2004.3	2004.3	2002.2	1984.9	1971.6	1967.6	1967.6	1956.2
25°	1952.2	1946.5	1952.2	1952.2	1950.3	1952.2	1946.5	1938.9	1933.0	1927.3	1915.7
27.5°	1906.1	1902.2	1906.1	1902.2	1906.1	1900.3	1898.4	1896.5	1888.8	1883.0	1867.6
30°	1860.0	1856.1	1860.0	1856.1	1852.2	1848.4	1838.8	1834.9	1842.7	1838.8	1813.8
32.5°	1802.3	1798.4	1802.3	1802.3	1798.4	1798.4	1783.0	1777.2	1779.2	1790.7	1767.6
35°	1742.6	1736.9	1742.6	1740.7	1742.6	1736.9	1727.2	1725.3	1717.6	1731.1	1713.8
37.5°	1673.4	1667.6	1673.4	1673.4	1673.4	1677.2	1669.6	1663.7	1652.3	1669.6	1656.1
40°	1602.3	1594.5	1602.3	1600.2	1602.3	1606.1	1602.3	1598.3	1586.9	1600.2	1588.8
42.5°	1521.5	1519.5	1521.5	1523.4	1523.4	1531.0	1536.9	1529.1	1525.3	1515.6	1523.4
45°	1434.9	1431.0	1434.9	1438.7	1440.7	1444.5	1461.8	1461.8	1456.1	1440.7	1452.2
47.5°	1342.5	1333.0	1342.5	1354.1	1354.1	1359.9	1377.2	1390.6	1381.0	1361.8	1367.6
50°	1244.4	1246.3	1244.4	1252.2	1252.2	1273.3	1286.8	1300.3	1309.8	1286.8	1259.8
52.5°	1148.3	1146.3	1148.3	1154.1	1161.7	1171.4	1194.4	1207.9	1223.3	1209.8	1167.6
55°	1052.1	1056.0	1052.1	1054.1	1057.9	1063.6	1098.3	1111.7	1140.6	1123.3	1079.0
57.5°	955.9	950.2	955.9	959.8	961.7	967.5	996.3	1021.3	1038.7	1040.6	986.7
60°	844.3	836.7	844.3	861.7	865.6	869.4	896.3	919.4	934.8	940.5	884.8
62.5°	746.3	732.9	746.3	757.8	765.6	775.1	794.3	829.0	842.4	844.3	765.6
65°	642.4	636.7	642.4	665.5	667.4	679.0	700.2	725.1	754.0	750.2	636.7
67.5°	548.2	548.2	548.2	563.6	575.1	580.9	607.8	619.4	655.9	659.7	530.9
70°	461.7	459.7	461.7	473.1	480.9	494.3	519.3	532.8	561.6	571.3	430.9
72.5°	379.0	377.0	379.0	388.5	396.3	407.7	429.0	444.3	469.3	480.9	334.7
75°	305.8	302.0	305.8	313.5	311.6	327.0	344.3	359.6	382.8	390.4	248.1
77.5°	234.7	234.7	234.7	242.3	242.3	257.7	265.5	284.7	298.2	309.6	182.7
80°	175.0	173.1	175.0	177.0	177.0	184.6	198.1	211.6	223.1	223.1	125.0
82.5°	123.1	119.2	123.1	123.1	123.1	127.0	134.6	138.5	146.2	151.9	78.9
85°	77.0	77.0	77.0	78.9	77.0	80.8	82.7	86.5	86.5	82.7	48.1
87.5°	50.0	48.1	50.0	48.1	48.1	46.2	46.2	46.2	44.3	42.4	27.0
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.6	58.1	39.1	24.9
92.5°	135.4	108.5	135.4	162.2	168.9	239.5	333.5	380.5	334.0	241.2	171.6
95°	471.7	390.3	471.7	553.0	573.4	753.0	992.5	1112.2	939.4	593.6	334.3
97.5°	1130.2	975.3	1130.2	1285.1	1323.8	1437.3	1588.6	1664.3	1376.1	799.6	367.2
100°	1628.4	1443.8	1628.4	1812.9	1859.0	1850.7	1839.6	1834.1	1514.2	874.5	394.7
102.5°	2118.4	1960.4	2118.4	2276.5	2316.0	2171.4	1978.5	1882.2	1557.7	908.9	422.3
105°	2743.2	2658.3	2743.2	2828.2	2849.5	2525.3	2093.0	1876.8	1562.7	934.4	463.2
107.5°	3152.5	3173.1	3152.5	3132.0	3126.8	2674.6	2071.7	1770.1	1493.2	939.2	523.7
110°	3308.5	3397.1	3308.5	3220.0	3197.9	2692.4	2018.3	1681.2	1431.5	932.0	557.4





TEST NUMBER: P934609

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3322.5	3458.4	3322.5	3186.5	3152.6	2635.2	1945.3	1600.3	1377.7	932.4	598.4
115°	3234.3	3422.9	3234.3	3045.9	2998.8	2500.3	1835.7	1503.4	1315.9	940.9	659.6
117.5°	3047.5	3256.6	3047.5	2838.6	2786.3	2336.4	1736.6	1436.7	1277.2	958.4	719.2
120°	2897.1	3100.1	2897.1	2693.9	2643.1	2232.1	1684.0	1410.0	1264.2	972.6	753.9
122.5°	2750.4	2950.8	2750.4	2550.1	2500.0	2129.9	1636.3	1389.5	1257.4	993.1	794.8
125°	2541.3	2725.8	2541.3	2356.8	2310.7	1996.2	1577.0	1367.4	1251.8	1020.6	847.3
127.5°	2353.3	2508.9	2353.3	2197.6	2158.6	1888.7	1528.7	1348.7	1248.5	1048.3	898.0
130°	2242.4	2386.3	2242.4	2098.5	2062.6	1822.2	1501.8	1341.6	1250.4	1068.3	931.7
132.5°	2141.8	2270.7	2141.8	2013.0	1980.8	1765.6	1478.7	1335.3	1251.8	1084.6	959.3
135°	2004.1	2115.1	2004.1	1893.0	1865.3	1685.0	1444.8	1324.7	1250.6	1102.5	991.3
137.5°	1893.5	1984.4	1893.5	1802.6	1779.9	1627.6	1424.4	1322.9	1258.3	1129.1	1032.2
140°	1817.6	1902.5	1817.6	1732.7	1711.4	1579.9	1404.5	1316.7	1259.6	1145.4	1059.7
142.5°	1754.8	1827.9	1754.8	1681.7	1663.4	1547.9	1393.8	1316.7	1264.1	1159.1	1080.2
145°	1660.6	1715.8	1660.6	1605.3	1591.5	1496.9	1370.8	1307.8	1264.1	1176.8	1111.4
147.5°	1588.2	1634.1	1588.2	1542.4	1530.9	1456.6	1357.4	1307.8	1272.8	1202.9	1150.5
150°	1542.7	1579.9	1542.7	1505.5	1496.2	1433.4	1349.7	1307.8	1277.4	1216.5	1170.9
152.5°	1503.8	1531.8	1503.8	1475.7	1468.7	1415.1	1343.6	1307.8	1280.4	1225.4	1184.2
155°	1459.0	1477.6	1459.0	1440.5	1435.8	1393.2	1336.3	1307.8	1286.9	1245.0	1213.5
157.5°	1423.7	1436.7	1423.7	1410.6	1407.3	1374.2	1329.9	1307.8	1293.4	1264.5	1242.9
160°	1402.5	1410.0	1402.5	1395.1	1393.2	1364.7	1326.7	1307.8	1296.3	1273.5	1256.3
162.5°	1388.7	1395.9	1388.7	1381.6	1379.8	1355.8	1323.8	1307.8	1299.5	1282.9	1270.4
165°	1368.7	1376.3	1368.7	1361.2	1359.3	1342.1	1319.3	1307.8	1304.1	1296.5	1290.9
167.5°	1354.5	1357.6	1354.5	1351.2	1350.4	1339.2	1324.2	1316.7	1313.5	1307.2	1302.5
170°	1350.4	1350.4	1350.4	1350.4	1350.4	1339.2	1324.2	1316.7	1316.5	1316.1	1315.8
172.5°	1339.9	1337.2	1339.9	1342.7	1343.4	1334.5	1322.6	1316.7	1316.7	1316.7	1316.7
175°	1333.6	1333.6	1333.6	1333.6	1333.6	1328.0	1320.4	1316.7	1318.5	1322.1	1324.7
177.5°	1327.9	1324.7	1327.9	1331.0	1331.8	1327.4	1321.5	1318.5	1319.9	1322.6	1324.7
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934609

CATALOG NUMBER: SQ4-FA-075U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2061.9	2050.3	2050.3	2031.1	2023.5	2017.6	2008.1	1979.2	1971.6	1963.8	1975.4
5°	2079.2	2058.1	2042.7	2008.1	1979.2	1967.6	1931.1	1861.9	1815.7	1781.1	1761.9
7.5°	2083.0	2056.2	2027.3	1973.5	1904.2	1873.4	1761.9	1635.0	1600.2	1569.6	1550.2
10°	2079.2	2048.4	2008.1	1927.3	1763.8	1709.9	1598.3	1515.6	1494.5	1488.8	1494.5
12.5°	2065.7	2036.9	1981.1	1846.5	1617.6	1581.0	1515.6	1467.6	1463.7	1473.4	1525.3
15°	2042.7	2015.7	1950.3	1738.8	1536.9	1509.9	1463.7	1446.4	1467.6	1534.9	1690.7
17.5°	2019.6	1988.9	1908.1	1633.0	1475.3	1456.1	1423.3	1458.0	1577.2	1667.6	1719.6
20°	1988.9	1952.2	1860.0	1556.1	1431.0	1413.7	1398.3	1554.2	1644.5	1677.2	1706.1
22.5°	1952.2	1913.8	1794.6	1502.2	1384.9	1371.4	1381.0	1608.0	1644.5	1667.6	1692.6
25°	1904.2	1871.5	1717.6	1459.9	1348.3	1333.0	1369.5	1602.3	1623.4	1629.1	1679.1
27.5°	1860.0	1817.6	1636.9	1421.4	1304.1	1298.3	1379.1	1577.2	1592.6	1598.3	1652.3
30°	1806.1	1742.6	1546.4	1381.0	1257.9	1256.0	1381.0	1546.4	1542.6	1558.0	1611.8
32.5°	1750.3	1631.0	1444.5	1331.0	1213.6	1211.7	1367.6	1500.3	1496.4	1517.6	1558.0
35°	1698.4	1544.5	1306.0	1273.3	1157.9	1159.8	1334.9	1446.4	1448.3	1467.6	1492.6
37.5°	1644.5	1469.5	1154.1	1209.8	1104.1	1104.1	1290.6	1396.4	1392.6	1398.3	1432.9
40°	1581.0	1352.2	1019.4	1127.1	1054.1	1048.3	1236.8	1342.5	1329.1	1327.2	1375.2
42.5°	1513.7	1223.3	919.4	1017.5	996.3	988.6	1171.4	1277.1	1252.2	1257.9	1319.5
45°	1440.7	1188.7	842.4	859.7	936.7	931.0	1100.2	1202.2	1184.9	1200.3	1263.7
47.5°	1367.6	1119.5	817.5	713.6	873.2	871.3	1021.3	1129.0	1119.5	1134.9	1202.2
50°	1267.6	1042.5	815.6	611.6	802.1	809.7	927.1	1057.9	1057.9	1071.4	1142.5
52.5°	1138.7	948.3	740.5	553.9	719.4	742.4	844.3	996.3	1000.2	1013.6	1077.1
55°	1021.3	850.2	686.7	509.7	621.3	671.3	763.6	932.9	940.5	954.0	1011.7
57.5°	913.6	707.8	675.1	457.7	530.9	579.0	692.4	871.3	875.1	886.7	942.5
60°	798.3	511.7	619.4	402.0	452.0	488.5	627.0	798.3	811.6	819.4	867.5
62.5°	667.4	371.2	561.6	363.6	413.6	421.2	573.2	728.9	746.3	752.1	781.0
65°	475.1	311.6	477.0	330.9	373.1	375.0	515.5	657.8	673.2	682.8	704.0
67.5°	321.2	253.9	363.6	300.1	342.3	344.3	459.7	575.1	596.3	604.0	617.4
70°	223.1	169.3	269.3	267.4	307.7	311.6	400.1	500.1	519.3	525.1	532.8
72.5°	163.5	136.5	223.1	240.4	271.2	275.0	338.5	415.5	434.7	440.4	444.3
75°	125.0	144.3	180.8	209.7	230.8	232.7	277.0	338.5	352.0	355.8	357.7
77.5°	100.0	134.6	132.7	169.3	188.5	184.6	217.4	261.6	273.1	273.1	273.1
80°	75.0	105.8	100.0	121.2	138.5	134.6	155.8	186.6	190.4	194.3	192.3
82.5°	55.7	67.3	67.3	77.0	92.3	88.5	103.8	121.2	121.2	121.2	125.0
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.7	65.4	67.3	67.3	63.5
87.5°	21.1	17.3	9.7	15.4	23.0	23.0	27.0	28.9	27.0	27.0	27.0
90°	23.0	16.0	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0
92.5°	156.5	96.0	35.6	96.0	156.5	171.6	241.2	334.0	380.5	333.5	239.5
95°	306.7	196.0	85.4	196.0	306.7	334.3	593.6	939.4	1112.2	992.5	753.0
97.5°	342.8	245.2	147.6	245.2	342.8	367.2	799.6	1376.1	1664.3	1588.6	1437.3
100°	372.6	284.1	195.6	284.1	372.6	394.7	874.5	1514.2	1834.1	1839.6	1850.7
102.5°	401.6	319.1	236.5	319.1	401.6	422.3	908.9	1557.7	1882.2	1978.5	2171.4
105°	445.7	375.8	305.8	375.8	445.7	463.2	934.4	1562.7	1876.8	2093.0	2525.3
107.5°	507.3	442.2	377.0	442.2	507.3	523.7	939.2	1493.2	1770.1	2071.7	2674.6
110°	542.7	483.8	424.9	483.8	542.7	557.4	932.0	1431.5	1681.2	2018.3	2692.4



TEST NUMBER: P934609

CATALOG NUMBER: SQ4-FA-075U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	584.3	528.2	472.1	528.2	584.3	598.4	932.4	1377.7	1600.3	1945.3	2635.2
115°	646.7	594.9	543.2	594.9	646.7	659.6	940.9	1315.9	1503.4	1835.7	2500.3
117.5°	707.4	660.5	613.5	660.5	707.4	719.2	958.4	1277.2	1436.7	1736.6	2336.4
120°	742.8	698.6	654.4	698.6	742.8	753.9	972.6	1264.2	1410.0	1684.0	2232.1
122.5°	783.6	739.0	694.3	739.0	783.6	794.8	993.1	1257.4	1389.5	1636.3	2129.9
125°	837.2	796.4	755.7	796.4	837.2	847.3	1020.6	1251.8	1367.4	1577.0	1996.2
127.5°	887.7	846.6	805.5	846.6	887.7	898.0	1048.3	1248.5	1348.7	1528.7	1888.7
130°	920.6	876.5	832.2	876.5	920.6	931.7	1068.3	1250.4	1341.6	1501.8	1822.2
132.5°	948.2	904.0	859.7	904.0	948.2	959.3	1084.6	1251.8	1335.3	1478.7	1765.6
135°	981.2	940.9	900.6	940.9	981.2	991.3	1102.5	1250.6	1324.7	1444.8	1685.0
137.5°	1022.3	982.3	942.4	982.3	1022.3	1032.2	1129.1	1258.3	1322.9	1424.4	1627.6
140°	1050.5	1013.7	977.0	1013.7	1050.5	1059.7	1145.4	1259.6	1316.7	1404.5	1579.9
142.5°	1071.7	1037.7	1003.7	1037.7	1071.7	1080.2	1159.1	1264.1	1316.7	1393.8	1547.9
145°	1103.9	1074.3	1044.6	1074.3	1103.9	1111.4	1176.8	1264.1	1307.8	1370.8	1496.9
147.5°	1143.3	1114.4	1085.5	1114.4	1143.3	1150.5	1202.9	1272.8	1307.8	1357.4	1456.6
150°	1164.4	1138.3	1112.2	1138.3	1164.4	1170.9	1216.5	1277.4	1307.8	1349.7	1433.4
152.5°	1179.2	1159.5	1139.7	1159.5	1179.2	1184.2	1225.4	1280.4	1307.8	1343.6	1415.1
155°	1209.9	1195.3	1180.7	1195.3	1209.9	1213.5	1245.0	1286.9	1307.8	1336.3	1393.2
157.5°	1239.4	1225.1	1210.9	1225.1	1239.4	1242.9	1264.5	1293.4	1307.8	1329.9	1374.2
160°	1253.5	1242.4	1231.3	1242.4	1253.5	1256.3	1273.5	1296.3	1307.8	1326.7	1364.7
162.5°	1268.3	1260.1	1251.8	1260.1	1268.3	1270.4	1282.9	1299.5	1307.8	1323.8	1355.8
165°	1289.0	1281.5	1274.1	1281.5	1289.0	1290.9	1296.5	1304.1	1307.8	1319.3	1342.1
167.5°	1301.6	1298.0	1294.4	1298.0	1301.6	1302.5	1307.2	1313.5	1316.7	1324.2	1339.2
170°	1315.0	1311.3	1307.8	1311.3	1315.0	1315.8	1316.1	1316.5	1316.7	1324.2	1339.2
172.5°	1316.5	1315.6	1314.9	1315.6	1316.5	1316.7	1316.7	1316.7	1316.7	1322.6	1334.5
175°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1322.1	1318.5	1316.7	1320.4	1328.0
177.5°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1322.6	1319.9	1318.5	1321.5	1327.4
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934609  
 CATALOG NUMBER: SQ4-FA-075U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	1961.9	1956.2	1963.8	1942.7	1963.8	1956.2	1961.9	1975.4	1963.8	1971.6	1979.2
5°	1721.5	1711.8	1681.1	1656.1	1681.1	1711.8	1721.5	1761.9	1781.1	1815.7	1861.9
7.5°	1538.8	1531.0	1523.4	1508.0	1523.4	1531.0	1538.8	1550.2	1569.6	1600.2	1635.0
10°	1498.3	1500.3	1511.8	1509.9	1511.8	1500.3	1498.3	1494.5	1488.8	1494.5	1515.6
12.5°	1602.3	1619.6	1683.0	1679.1	1683.0	1619.6	1602.3	1525.3	1473.4	1463.7	1467.6
15°	1721.5	1727.2	1740.7	1742.6	1740.7	1727.2	1721.5	1690.7	1534.9	1467.6	1446.4
17.5°	1733.0	1734.9	1744.5	1744.5	1744.5	1734.9	1733.0	1719.6	1667.6	1577.2	1458.0
20°	1723.4	1727.2	1746.5	1750.3	1746.5	1727.2	1723.4	1706.1	1677.2	1644.5	1554.2
22.5°	1719.6	1727.2	1742.6	1740.7	1742.6	1727.2	1719.6	1692.6	1667.6	1644.5	1608.0
25°	1700.3	1700.3	1702.3	1704.2	1702.3	1700.3	1700.3	1679.1	1629.1	1623.4	1602.3
27.5°	1659.9	1663.7	1675.3	1673.4	1675.3	1663.7	1659.9	1652.3	1598.3	1592.6	1577.2
30°	1623.4	1619.6	1609.9	1602.3	1609.9	1619.6	1623.4	1611.8	1558.0	1542.6	1546.4
32.5°	1561.8	1552.2	1542.6	1536.9	1542.6	1552.2	1561.8	1558.0	1517.6	1496.4	1500.3
35°	1488.8	1490.7	1488.8	1482.9	1488.8	1490.7	1488.8	1492.6	1467.6	1448.3	1446.4
37.5°	1436.8	1440.7	1438.7	1431.0	1438.7	1440.7	1436.8	1432.9	1398.3	1392.6	1396.4
40°	1382.9	1384.9	1382.9	1377.2	1382.9	1384.9	1382.9	1375.2	1327.2	1329.1	1342.5
42.5°	1331.0	1329.1	1323.3	1319.5	1323.3	1329.1	1331.0	1319.5	1257.9	1252.2	1277.1
45°	1271.4	1273.3	1261.7	1256.0	1261.7	1273.3	1271.4	1263.7	1200.3	1184.9	1202.2
47.5°	1211.7	1211.7	1202.2	1196.3	1202.2	1211.7	1211.7	1202.2	1134.9	1119.5	1129.0
50°	1148.3	1146.3	1132.9	1130.9	1132.9	1146.3	1148.3	1142.5	1071.4	1057.9	1057.9
52.5°	1075.2	1075.2	1077.1	1080.9	1077.1	1075.2	1075.2	1077.1	1013.6	1000.2	996.3
55°	1011.7	1013.6	1027.1	1031.0	1027.1	1013.6	1011.7	1011.7	954.0	940.5	932.9
57.5°	946.3	946.3	955.9	955.9	955.9	946.3	946.3	942.5	886.7	875.1	871.3
60°	871.3	875.1	882.9	881.0	882.9	875.1	871.3	867.5	819.4	811.6	798.3
62.5°	792.4	796.3	798.3	794.3	798.3	796.3	792.4	781.0	752.1	746.3	728.9
65°	709.7	713.6	715.5	711.6	715.5	713.6	709.7	704.0	682.8	673.2	657.8
67.5°	625.1	623.2	621.3	629.0	621.3	623.2	625.1	617.4	604.0	596.3	575.1
70°	538.5	538.5	536.6	540.5	536.6	538.5	538.5	532.8	525.1	519.3	500.1
72.5°	446.3	444.3	452.0	446.3	452.0	444.3	446.3	444.3	440.4	434.7	415.5
75°	355.8	359.6	355.8	361.6	355.8	359.6	355.8	357.7	355.8	352.0	338.5
77.5°	271.2	275.0	271.2	271.2	271.2	275.0	271.2	273.1	273.1	273.1	261.6
80°	192.3	190.4	190.4	188.5	190.4	190.4	192.3	192.3	194.3	190.4	186.6
82.5°	123.1	121.2	121.2	125.0	121.2	121.2	123.1	125.0	121.2	121.2	121.2
85°	67.3	69.2	65.4	65.4	65.4	69.2	67.3	63.5	67.3	67.3	65.4
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	27.0	27.0	27.0	28.9
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.6	58.1
92.5°	168.9	162.2	135.4	108.5	135.4	162.2	168.9	239.5	333.5	380.5	334.0
95°	573.4	553.0	471.7	390.3	471.7	553.0	573.4	753.0	992.5	1112.2	939.4
97.5°	1323.8	1285.1	1130.2	975.3	1130.2	1285.1	1323.8	1437.3	1588.6	1664.3	1376.1
100°	1859.0	1812.9	1628.4	1443.8	1628.4	1812.9	1859.0	1850.7	1839.6	1834.1	1514.2
102.5°	2316.0	2276.5	2118.4	1960.4	2118.4	2276.5	2316.0	2171.4	1978.5	1882.2	1557.7
105°	2849.5	2828.2	2743.2	2658.3	2743.2	2828.2	2849.5	2525.3	2093.0	1876.8	1562.7
107.5°	3126.8	3132.0	3152.5	3173.1	3152.5	3132.0	3126.8	2674.6	2071.7	1770.1	1493.2
110°	3197.9	3220.0	3308.5	3397.1	3308.5	3220.0	3197.9	2692.4	2018.3	1681.2	1431.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3152.6	3186.5	3322.5	3458.4	3322.5	3186.5	3152.6	2635.2	1945.3	1600.3	1377.7
115°	2998.8	3045.9	3234.3	3422.9	3234.3	3045.9	2998.8	2500.3	1835.7	1503.4	1315.9
117.5°	2786.3	2838.6	3047.5	3256.6	3047.5	2838.6	2786.3	2336.4	1736.6	1436.7	1277.2
120°	2643.1	2693.9	2897.1	3100.1	2897.1	2693.9	2643.1	2232.1	1684.0	1410.0	1264.2
122.5°	2500.0	2550.1	2750.4	2950.8	2750.4	2550.1	2500.0	2129.9	1636.3	1389.5	1257.4
125°	2310.7	2356.8	2541.3	2725.8	2541.3	2356.8	2310.7	1996.2	1577.0	1367.4	1251.8
127.5°	2158.6	2197.6	2353.3	2508.9	2353.3	2197.6	2158.6	1888.7	1528.7	1348.7	1248.5
130°	2062.6	2098.5	2242.4	2386.3	2242.4	2098.5	2062.6	1822.2	1501.8	1341.6	1250.4
132.5°	1980.8	2013.0	2141.8	2270.7	2141.8	2013.0	1980.8	1765.6	1478.7	1335.3	1251.8
135°	1865.3	1893.0	2004.1	2115.1	2004.1	1893.0	1865.3	1685.0	1444.8	1324.7	1250.6
137.5°	1779.9	1802.6	1893.5	1984.4	1893.5	1802.6	1779.9	1627.6	1424.4	1322.9	1258.3
140°	1711.4	1732.7	1817.6	1902.5	1817.6	1732.7	1711.4	1579.9	1404.5	1316.7	1259.6
142.5°	1663.4	1681.7	1754.8	1827.9	1754.8	1681.7	1663.4	1547.9	1393.8	1316.7	1264.1
145°	1591.5	1605.3	1660.6	1715.8	1660.6	1605.3	1591.5	1496.9	1370.8	1307.8	1264.1
147.5°	1530.9	1542.4	1588.2	1634.1	1588.2	1542.4	1530.9	1456.6	1357.4	1307.8	1272.8
150°	1496.2	1505.5	1542.7	1579.9	1542.7	1505.5	1496.2	1433.4	1349.7	1307.8	1277.4
152.5°	1468.7	1475.7	1503.8	1531.8	1503.8	1475.7	1468.7	1415.1	1343.6	1307.8	1280.4
155°	1435.8	1440.5	1459.0	1477.6	1459.0	1440.5	1435.8	1393.2	1336.3	1307.8	1286.9
157.5°	1407.3	1410.6	1423.7	1436.7	1423.7	1410.6	1407.3	1374.2	1329.9	1307.8	1293.4
160°	1393.2	1395.1	1402.5	1410.0	1402.5	1395.1	1393.2	1364.7	1326.7	1307.8	1296.3
162.5°	1379.8	1381.6	1388.7	1395.9	1388.7	1381.6	1379.8	1355.8	1323.8	1307.8	1299.5
165°	1359.3	1361.2	1368.7	1376.3	1368.7	1361.2	1359.3	1342.1	1319.3	1307.8	1304.1
167.5°	1350.4	1351.2	1354.5	1357.6	1354.5	1351.2	1350.4	1339.2	1324.2	1316.7	1313.5
170°	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1339.2	1324.2	1316.7	1316.5
172.5°	1343.4	1342.7	1339.9	1337.2	1339.9	1342.7	1343.4	1334.5	1322.6	1316.7	1316.7
175°	1333.6	1333.6	1333.6	1333.6	1333.6	1333.6	1333.6	1328.0	1320.4	1316.7	1318.5
177.5°	1331.8	1331.0	1327.9	1324.7	1327.9	1331.0	1331.8	1327.4	1321.5	1318.5	1319.9
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934609

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2008.1	2017.6	2023.5	2031.1	2050.3
5°	1931.1	1967.6	1979.2	2008.1	2042.7
7.5°	1761.9	1873.4	1904.2	1973.5	2027.3
10°	1598.3	1709.9	1763.8	1927.3	2008.1
12.5°	1515.6	1581.0	1617.6	1846.5	1981.1
15°	1463.7	1509.9	1536.9	1738.8	1950.3
17.5°	1423.3	1456.1	1475.3	1633.0	1908.1
20°	1398.3	1413.7	1431.0	1556.1	1860.0
22.5°	1381.0	1371.4	1384.9	1502.2	1794.6
25°	1369.5	1333.0	1348.3	1459.9	1717.6
27.5°	1379.1	1298.3	1304.1	1421.4	1636.9
30°	1381.0	1256.0	1257.9	1381.0	1546.4
32.5°	1367.6	1211.7	1213.6	1331.0	1444.5
35°	1334.9	1159.8	1157.9	1273.3	1306.0
37.5°	1290.6	1104.1	1104.1	1209.8	1154.1
40°	1236.8	1048.3	1054.1	1127.1	1019.4
42.5°	1171.4	988.6	996.3	1017.5	919.4
45°	1100.2	931.0	936.7	859.7	842.4
47.5°	1021.3	871.3	873.2	713.6	817.5
50°	927.1	809.7	802.1	611.6	815.6
52.5°	844.3	742.4	719.4	553.9	740.5
55°	763.6	671.3	621.3	509.7	686.7
57.5°	692.4	579.0	530.9	457.7	675.1
60°	627.0	488.5	452.0	402.0	619.4
62.5°	573.2	421.2	413.6	363.6	561.6
65°	515.5	375.0	373.1	330.9	477.0
67.5°	459.7	344.3	342.3	300.1	363.6
70°	400.1	311.6	307.7	267.4	269.3
72.5°	338.5	275.0	271.2	240.4	223.1
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.5	169.3	132.7
80°	155.8	134.6	138.5	121.2	100.0
82.5°	103.8	88.5	92.3	77.0	67.3
85°	57.7	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	39.1	24.9	23.0	16.0	8.9
92.5°	241.2	171.6	156.5	96.0	35.6
95°	593.6	334.3	306.7	196.0	85.4
97.5°	799.6	367.2	342.8	245.2	147.6
100°	874.5	394.7	372.6	284.1	195.6
102.5°	908.9	422.3	401.6	319.1	236.5
105°	934.4	463.2	445.7	375.8	305.8
107.5°	939.2	523.7	507.3	442.2	377.0
110°	932.0	557.4	542.7	483.8	424.9



TEST NUMBER: P934609

CATALOG NUMBER: SQ4-FA-075U-050D-830-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	932.4	598.4	584.3	528.2	472.1
115°	940.9	659.6	646.7	594.9	543.2
117.5°	958.4	719.2	707.4	660.5	613.5
120°	972.6	753.9	742.8	698.6	654.4
122.5°	993.1	794.8	783.6	739.0	694.3
125°	1020.6	847.3	837.2	796.4	755.7
127.5°	1048.3	898.0	887.7	846.6	805.5
130°	1068.3	931.7	920.6	876.5	832.2
132.5°	1084.6	959.3	948.2	904.0	859.7
135°	1102.5	991.3	981.2	940.9	900.6
137.5°	1129.1	1032.2	1022.3	982.3	942.4
140°	1145.4	1059.7	1050.5	1013.7	977.0
142.5°	1159.1	1080.2	1071.7	1037.7	1003.7
145°	1176.8	1111.4	1103.9	1074.3	1044.6
147.5°	1202.9	1150.5	1143.3	1114.4	1085.5
150°	1216.5	1170.9	1164.4	1138.3	1112.2
152.5°	1225.4	1184.2	1179.2	1159.5	1139.7
155°	1245.0	1213.5	1209.9	1195.3	1180.7
157.5°	1264.5	1242.9	1239.4	1225.1	1210.9
160°	1273.5	1256.3	1253.5	1242.4	1231.3
162.5°	1282.9	1270.4	1268.3	1260.1	1251.8
165°	1296.5	1290.9	1289.0	1281.5	1274.1
167.5°	1307.2	1302.5	1301.6	1298.0	1294.4
170°	1316.1	1315.8	1315.0	1311.3	1307.8
172.5°	1316.7	1316.7	1316.5	1315.6	1314.9
175°	1322.1	1324.7	1324.7	1324.7	1324.7
177.5°	1322.6	1324.7	1324.7	1324.7	1324.7
180°	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934609  
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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	9.98	10.75	11.04	11.80	13.24	12.84	13.60	13.89	14.66	16.09
	3H	10.45	11.14	11.52	12.20	13.65	14.18	14.86	15.24	15.93	17.38
	4H	10.64	11.29	11.71	12.36	13.81	14.62	15.27	15.70	16.34	17.80
	6H	10.75	11.35	11.84	12.42	13.89	14.91	15.51	15.99	16.58	18.05
	8H	10.75	11.32	11.84	12.41	13.87	14.98	15.55	16.07	16.64	18.10
	12H	10.72	11.26	11.81	12.34	13.83	15.02	15.56	16.12	16.64	18.13
4H	2H	11.01	11.66	12.09	12.73	14.18	13.23	13.88	14.31	14.95	16.40
	3H	12.03	12.57	13.12	13.66	15.13	14.73	15.27	15.82	16.37	17.84
	4H	12.30	12.79	13.39	13.88	15.37	15.26	15.76	16.36	16.84	18.34
	6H	12.42	12.84	13.52	13.95	15.44	15.63	16.05	16.73	17.16	18.65
	8H	12.42	12.82	13.52	13.92	15.42	15.74	16.13	16.84	17.23	18.73
	12H	12.38	12.74	13.50	13.86	15.36	15.79	16.15	16.91	17.26	18.77
8H	4H	12.75	13.15	13.85	14.25	15.75	15.38	15.78	16.48	16.88	18.38
	6H	13.01	13.33	14.13	14.48	15.97	15.82	16.14	16.94	17.29	18.78
	8H	13.05	13.33	14.18	14.46	15.98	15.97	16.26	17.10	17.38	18.90
	12H	13.03	13.28	14.16	14.40	15.95	16.07	16.32	17.20	17.44	19.00
12H	4H	12.75	13.11	13.87	14.22	15.73	15.34	15.70	16.46	16.81	18.32
	6H	13.07	13.35	14.20	14.48	16.00	15.81	16.10	16.94	17.22	18.74
	8H	13.13	13.38	14.26	14.50	16.06	15.97	16.23	17.11	17.35	18.90