

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: P935912

Luminaire Tested: SQ4-FA-150U-075D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

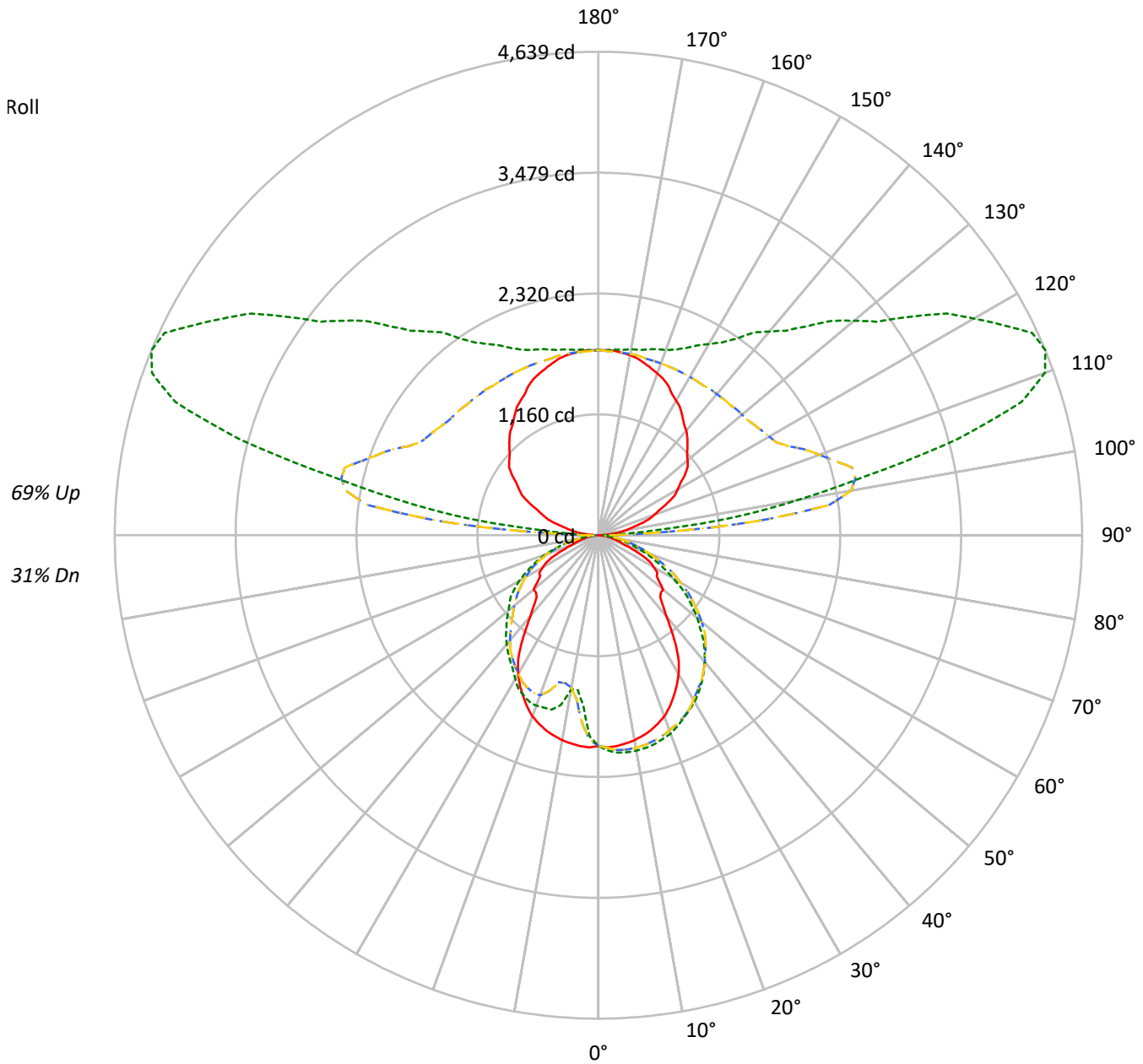
Test Method: LM-79-2019  
Report Number: P935912  
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-830-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16765.4 lumens  
Efficiency: N/A  
Efficacy: 131.8 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: Semi-Indirect  
  
Input Watts (W): 127.2  
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

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

	0°	90°	180°	270°
0°	9376	9376	9376	9376
5°	9446	9465	9446	7442
10°	9383	9323	9383	6665
15°	9281	9121	9281	7617
20°	9087	8882	9087	7632
25°	8689	8533	8689	7470
30°	8176	8243	8176	7116
35°	7289	7876	7289	6725
40°	6074	7445	6074	6430
45°	5427	6940	5427	6091
50°	5766	6338	5766	5752
55°	5425	5689	5425	5554
60°	5592	4832	5592	5087
65°	5070	3994	5070	4465
70°	3511	3183	3511	3743
75°	3078	2353	3078	2818
80°	2480	1556	2480	1694
85°	1425	824	1425	700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8317 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.4	1.1
10°-20°	517.9	3.1
20°-30°	800.6	4.8
30°-40°	955.8	5.7
40°-50°	961.4	5.7
50°-60°	836.6	5.0
60°-70°	593.2	3.5
70°-80°	313.8	1.9
80°-90°	84.9	0.5
90°-100°	866.1	5.2
100°-110°	2277.1	13.6
110°-120°	2361.1	14.1
120°-130°	1893.9	11.3
130°-140°	1486.0	8.9
140°-150°	1140.6	6.8
150°-160°	821.4	4.9
160°-170°	502.6	3.0
170°-180°	169.8	1.0
0°-30°	1501.0	9.0
0°-40°	2456.8	14.7
0°-60°	4254.7	25.4
0°-90°	5246.6	31.3
90°-120°	5504.4	32.8
90°-150°	10024.9	59.8
90°-180°	11519.0	68.7
0°-180°	16765.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2021	2021	2021	2021	2021	
5°	2030	2094	2030	1646	2030	193
15°	1939	2074	1939	1732	1939	545
25°	1707	1935	1707	1694	1707	784
35°	1298	1726	1298	1474	1298	803
45°	838	1422	838	1248	838	671
55°	683	1050	683	1025	683	627
65°	474	633	474	707	474	453
75°	180	300	180	360	180	189
85°	31	76	31	65	31	41
90°	12	45	12	45	12	11
95°	114	524	114	524	114	127
105°	410	3566	410	3566	410	435
115°	729	4591	729	4591	729	720
125°	1014	3656	1014	3656	1014	900
135°	1208	2837	1208	2837	1208	935
145°	1401	2302	1401	2302	1401	878
155°	1584	1982	1584	1982	1584	728
165°	1709	1846	1709	1846	1709	482
175°	1777	1789	1777	1789	1777	169
180°	1777	1777	1777	1777	1777	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2038.1	2038.1	2049.6	2053.4	2053.4	2047.7	2041.9	2047.7	2064.9	2070.6	2068.7
5°	2030.4	2045.7	2066.8	2070.6	2074.4	2072.5	2068.7	2072.5	2091.6	2095.5	2097.4
7.5°	2015.2	2043.8	2070.6	2076.3	2082.1	2076.3	2074.4	2078.2	2097.4	2101.2	2101.2
10°	1996.0	2036.2	2066.8	2070.6	2076.3	2070.6	2070.6	2078.2	2097.4	2101.2	2103.1
12.5°	1969.3	2024.7	2053.4	2057.2	2064.9	2063.0	2061.0	2068.7	2087.8	2091.6	2091.6
15°	1938.7	2003.7	2030.4	2034.3	2047.7	2043.8	2043.8	2051.5	2072.5	2078.2	2076.3
17.5°	1896.6	1976.9	2007.5	2013.2	2022.8	2020.9	2022.8	2030.4	2049.6	2053.4	2055.3
20°	1848.8	1940.6	1976.9	1982.6	1992.2	1992.2	1992.2	2001.8	2020.9	2028.5	2028.5
22.5°	1783.8	1902.3	1940.6	1944.4	1955.9	1955.9	1959.7	1973.1	1990.3	1992.2	1992.2
25°	1707.3	1860.3	1892.8	1904.3	1915.7	1921.5	1927.2	1934.8	1940.6	1938.7	1940.6
27.5°	1627.0	1806.7	1848.8	1856.5	1871.8	1877.5	1885.1	1887.0	1889.0	1894.7	1890.9
30°	1537.2	1732.2	1795.3	1802.9	1827.8	1831.6	1824.0	1827.8	1837.3	1841.2	1845.0
32.5°	1435.8	1621.3	1739.8	1757.0	1780.0	1768.5	1766.6	1772.3	1787.6	1787.6	1791.4
35°	1298.2	1535.2	1688.2	1703.5	1720.7	1707.3	1715.0	1716.9	1726.4	1732.2	1730.3
37.5°	1147.1	1460.7	1634.7	1646.1	1659.5	1642.3	1653.8	1659.5	1667.2	1663.3	1663.3
40°	1013.4	1344.0	1571.6	1579.2	1590.7	1577.3	1588.8	1592.6	1596.4	1592.6	1590.7
42.5°	913.9	1215.9	1504.6	1514.2	1506.6	1516.1	1519.9	1527.6	1521.9	1514.2	1514.2
45°	837.5	1181.5	1432.0	1443.5	1432.0	1447.3	1453.0	1453.0	1435.8	1432.0	1430.1
47.5°	812.6	1112.8	1359.3	1359.3	1353.6	1372.7	1382.3	1368.9	1351.7	1346.0	1346.0
50°	810.7	1036.3	1259.9	1252.3	1279.0	1302.0	1292.4	1279.0	1265.6	1244.6	1244.6
52.5°	736.1	942.6	1131.9	1160.5	1202.6	1215.9	1200.6	1187.3	1164.3	1154.8	1147.1
55°	682.6	845.1	1015.3	1072.6	1116.6	1133.8	1105.1	1091.8	1057.3	1051.6	1047.8
57.5°	671.1	703.6	908.2	980.9	1034.4	1032.5	1015.3	990.4	961.7	956.0	954.1
60°	615.7	508.6	793.5	879.5	935.0	929.2	913.9	891.0	864.2	860.4	856.6
62.5°	558.3	369.0	663.5	761.0	839.4	837.5	824.1	789.7	770.5	761.0	753.3
65°	474.2	309.7	472.3	632.9	745.7	749.5	720.8	696.0	674.9	663.5	661.6
67.5°	361.4	252.4	319.3	527.7	655.8	652.0	615.7	604.2	577.4	571.7	560.2
70°	267.7	168.3	221.8	428.3	567.9	558.3	529.6	516.2	491.4	478.0	470.4
72.5°	221.8	135.8	162.5	332.7	478.0	466.5	441.7	426.4	405.3	393.9	386.2
75°	179.7	143.4	124.3	246.6	388.1	380.5	357.5	342.2	325.0	309.7	311.7
77.5°	131.9	133.8	99.4	181.6	307.8	296.4	283.0	263.9	256.2	240.9	240.9
80°	99.4	105.2	74.6	124.3	221.8	221.8	210.3	196.9	183.6	175.9	175.9
82.5°	66.9	66.9	55.4	78.4	151.0	145.3	137.7	133.8	126.2	122.4	122.4
85°	30.6	38.2	34.4	47.8	82.2	86.0	86.0	82.2	80.3	76.5	78.4
87.5°	9.6	17.2	21.0	26.8	42.1	44.0	45.9	45.9	45.9	47.8	47.8
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	209.9	230.2	323.6	448.2	510.4	447.3	321.2	226.6	217.6
95°	114.5	262.9	411.3	448.4	796.2	1259.9	1491.8	1331.2	1010.1	769.2	741.9
97.5°	198.0	328.9	459.8	492.5	1072.5	1845.8	2232.5	2130.9	1928.0	1775.7	1723.8
100°	262.3	381.1	499.8	529.5	1173.1	2031.1	2460.2	2467.6	2482.4	2493.5	2431.7
102.5°	317.2	428.0	538.7	566.4	1219.2	2089.4	2524.6	2654.0	2912.5	3106.5	3053.6
105°	410.2	504.0	597.9	621.3	1253.3	2096.0	2517.4	2807.4	3387.2	3822.1	3793.6
107.5°	505.6	593.1	680.5	702.4	1259.7	2002.8	2374.3	2778.7	3587.6	4194.2	4201.0
110°	570.1	649.0	728.0	747.7	1250.2	1920.1	2255.1	2707.2	3611.4	4289.6	4319.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.3	708.5	783.7	802.6	1250.5	1847.9	2146.5	2609.2	3534.6	4228.7	4274.3
115°	728.7	798.1	867.5	884.9	1262.1	1765.1	2016.6	2462.3	3353.7	4022.4	4085.6
117.5°	822.8	885.9	949.0	964.8	1285.5	1713.2	1927.1	2329.4	3134.0	3737.4	3807.5
120°	877.7	937.1	996.4	1011.3	1304.7	1695.8	1891.4	2258.9	2994.1	3545.4	3613.5
122.5°	931.3	991.3	1051.1	1066.1	1332.1	1686.7	1863.9	2194.9	2856.9	3353.4	3420.6
125°	1013.6	1068.2	1122.8	1136.5	1369.0	1679.0	1834.1	2115.2	2677.6	3099.4	3161.2
127.5°	1080.5	1135.5	1190.7	1204.5	1406.0	1674.7	1809.0	2050.4	2533.3	2895.4	2947.6
130°	1116.2	1175.6	1235.0	1249.8	1433.0	1677.3	1799.5	2014.4	2444.3	2766.7	2814.9
132.5°	1153.2	1212.6	1272.0	1286.8	1454.9	1679.1	1791.2	1983.5	2368.3	2656.9	2700.1
135°	1208.0	1262.1	1316.2	1329.7	1478.7	1677.5	1776.8	1938.0	2260.3	2501.9	2539.1
137.5°	1264.1	1317.7	1371.1	1384.5	1514.5	1687.8	1774.5	1910.8	2183.1	2387.4	2417.9
140°	1310.6	1359.9	1409.1	1421.5	1536.4	1689.5	1766.1	1883.8	2119.2	2295.6	2324.1
142.5°	1346.3	1391.9	1437.5	1448.9	1554.6	1695.7	1766.1	1869.5	2076.1	2231.2	2255.7
145°	1401.2	1441.0	1480.7	1490.7	1578.5	1695.7	1754.2	1838.7	2007.8	2134.7	2153.2
147.5°	1456.1	1494.8	1533.5	1543.2	1613.5	1707.3	1754.2	1820.7	1953.7	2053.5	2068.9
150°	1491.8	1526.8	1561.8	1570.5	1631.7	1713.3	1754.2	1810.4	1922.7	2007.0	2019.5
152.5°	1528.8	1555.3	1581.9	1588.5	1643.7	1717.4	1754.2	1802.2	1898.0	1970.0	1979.4
155°	1583.7	1603.3	1622.9	1627.8	1669.9	1726.1	1754.2	1792.3	1868.7	1926.0	1932.2
157.5°	1624.2	1643.4	1662.4	1667.2	1696.1	1734.9	1754.2	1783.9	1843.3	1887.8	1892.2
160°	1651.7	1666.5	1681.3	1685.0	1708.1	1738.8	1754.2	1779.6	1830.5	1868.7	1871.2
162.5°	1679.1	1690.2	1701.4	1704.2	1720.8	1743.1	1754.2	1775.7	1818.6	1850.8	1853.2
165°	1708.8	1718.9	1729.0	1731.5	1739.1	1749.1	1754.2	1769.6	1800.3	1823.4	1825.9
167.5°	1736.3	1741.1	1745.8	1747.1	1753.4	1761.9	1766.1	1776.2	1796.3	1811.4	1812.5
170°	1754.2	1758.9	1763.7	1765.0	1765.3	1765.8	1766.1	1776.2	1796.3	1811.4	1811.4
172.5°	1763.7	1764.8	1765.8	1766.1	1766.1	1766.1	1766.1	1774.0	1789.9	1801.9	1800.9
175°	1776.8	1776.8	1776.8	1776.8	1773.3	1768.5	1766.1	1771.2	1781.2	1788.8	1788.8
177.5°	1776.8	1776.8	1776.8	1776.8	1774.0	1770.3	1768.5	1772.5	1780.5	1786.4	1785.3
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2072.5	2066.8	2072.5	2068.7	2070.6	2064.9	2047.7	2041.9	2047.7	2053.4	2053.4
5°	2097.4	2093.5	2097.4	2097.4	2095.5	2091.6	2072.5	2068.7	2072.5	2074.4	2070.6
7.5°	2105.0	2099.3	2105.0	2101.2	2101.2	2097.4	2078.2	2074.4	2076.3	2082.1	2076.3
10°	2105.0	2099.3	2105.0	2103.1	2101.2	2097.4	2078.2	2070.6	2070.6	2076.3	2070.6
12.5°	2095.5	2091.6	2095.5	2091.6	2091.6	2087.8	2068.7	2061.0	2063.0	2064.9	2057.2
15°	2080.2	2074.4	2080.2	2076.3	2078.2	2072.5	2051.5	2043.8	2043.8	2047.7	2034.3
17.5°	2057.2	2049.6	2057.2	2055.3	2053.4	2049.6	2030.4	2022.8	2020.9	2022.8	2013.2
20°	2030.4	2024.7	2030.4	2028.5	2028.5	2020.9	2001.8	1992.2	1992.2	1992.2	1982.6
22.5°	1988.4	1982.6	1988.4	1992.2	1992.2	1990.3	1973.1	1959.7	1955.9	1955.9	1944.4
25°	1940.6	1934.8	1940.6	1940.6	1938.7	1940.6	1934.8	1927.2	1921.5	1915.7	1904.3
27.5°	1894.7	1890.9	1894.7	1890.9	1894.7	1889.0	1887.0	1885.1	1877.5	1871.8	1856.5
30°	1848.8	1845.0	1848.8	1845.0	1841.2	1837.3	1827.8	1824.0	1831.6	1827.8	1802.9
32.5°	1791.4	1787.6	1791.4	1791.4	1787.6	1787.6	1772.3	1766.6	1768.5	1780.0	1757.0
35°	1732.2	1726.4	1732.2	1730.3	1732.2	1726.4	1716.9	1715.0	1707.3	1720.7	1703.5
37.5°	1663.3	1657.6	1663.3	1663.3	1663.3	1667.2	1659.5	1653.8	1642.3	1659.5	1646.1
40°	1592.6	1585.0	1592.6	1590.7	1592.6	1596.4	1592.6	1588.8	1577.3	1590.7	1579.2
42.5°	1512.3	1510.4	1512.3	1514.2	1514.2	1521.9	1527.6	1519.9	1516.1	1506.6	1514.2
45°	1426.3	1422.4	1426.3	1430.1	1432.0	1435.8	1453.0	1453.0	1447.3	1432.0	1443.5
47.5°	1334.5	1324.9	1334.5	1346.0	1346.0	1351.7	1368.9	1382.3	1372.7	1353.6	1359.3
50°	1237.0	1238.9	1237.0	1244.6	1244.6	1265.6	1279.0	1292.4	1302.0	1279.0	1252.3
52.5°	1141.4	1139.6	1141.4	1147.1	1154.8	1164.3	1187.3	1200.6	1215.9	1202.6	1160.5
55°	1045.9	1049.7	1045.9	1047.8	1051.6	1057.3	1091.8	1105.1	1133.8	1116.6	1072.6
57.5°	950.3	944.5	950.3	954.1	956.0	961.7	990.4	1015.3	1032.5	1034.4	980.9
60°	839.4	831.7	839.4	856.6	860.4	864.2	891.0	913.9	929.2	935.0	879.5
62.5°	741.9	728.5	741.9	753.3	761.0	770.5	789.7	824.1	837.5	839.4	761.0
65°	638.6	632.9	638.6	661.6	663.5	674.9	696.0	720.8	749.5	745.7	632.9
67.5°	544.9	544.9	544.9	560.2	571.7	577.4	604.2	615.7	652.0	655.8	527.7
70°	458.9	457.0	458.9	470.4	478.0	491.4	516.2	529.6	558.3	567.9	428.3
72.5°	376.7	374.8	376.7	386.2	393.9	405.3	426.4	441.7	466.5	478.0	332.7
75°	304.0	300.2	304.0	311.7	309.7	325.0	342.2	357.5	380.5	388.1	246.6
77.5°	233.3	233.3	233.3	240.9	240.9	256.2	263.9	283.0	296.4	307.8	181.6
80°	174.0	172.1	174.0	175.9	175.9	183.6	196.9	210.3	221.8	221.8	124.3
82.5°	122.4	118.5	122.4	122.4	122.4	126.2	133.8	137.7	145.3	151.0	78.4
85°	76.5	76.5	76.5	78.4	76.5	80.3	82.2	86.0	86.0	82.2	47.8
87.5°	49.7	47.8	49.7	47.8	47.8	45.9	45.9	45.9	44.0	42.1	26.8
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.5	145.5	181.5	217.6	226.6	321.2	447.3	510.4	448.2	323.6	230.2
95°	632.7	523.5	632.7	741.9	769.2	1010.1	1331.2	1491.8	1259.9	796.2	448.4
97.5°	1515.9	1308.2	1515.9	1723.8	1775.7	1928.0	2130.9	2232.5	1845.8	1072.5	492.5
100°	2184.2	1936.7	2184.2	2431.7	2493.5	2482.4	2467.6	2460.2	2031.1	1173.1	529.5
102.5°	2841.5	2629.6	2841.5	3053.6	3106.5	2912.5	2654.0	2524.6	2089.4	1219.2	566.4
105°	3679.6	3565.7	3679.6	3793.6	3822.1	3387.2	2807.4	2517.4	2096.0	1253.3	621.3
107.5°	4228.6	4256.1	4228.6	4201.0	4194.2	3587.6	2778.7	2374.3	2002.8	1259.7	702.4
110°	4437.9	4556.7	4437.9	4319.2	4289.6	3611.4	2707.2	2255.1	1920.1	1250.2	747.7





TEST NUMBER: P935912

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4456.6	4638.9	4456.6	4274.3	4228.7	3534.6	2609.2	2146.5	1847.9	1250.5	802.6
115°	4338.4	4591.2	4338.4	4085.6	4022.4	3353.7	2462.3	2016.6	1765.1	1262.1	884.9
117.5°	4087.9	4368.3	4087.9	3807.5	3737.4	3134.0	2329.4	1927.1	1713.2	1285.5	964.8
120°	3885.9	4158.3	3885.9	3613.5	3545.4	2994.1	2258.9	1891.4	1695.8	1304.7	1011.3
122.5°	3689.3	3958.0	3689.3	3420.6	3353.4	2856.9	2194.9	1863.9	1686.7	1332.1	1066.1
125°	3408.8	3656.3	3408.8	3161.2	3099.4	2677.6	2115.2	1834.1	1679.0	1369.0	1136.5
127.5°	3156.5	3365.3	3156.5	2947.6	2895.4	2533.3	2050.4	1809.0	1674.7	1406.0	1204.5
130°	3007.9	3200.8	3007.9	2814.9	2766.7	2444.3	2014.4	1799.5	1677.3	1433.0	1249.8
132.5°	2872.9	3045.7	2872.9	2700.1	2656.9	2368.3	1983.5	1791.2	1679.1	1454.9	1286.8
135°	2688.1	2837.0	2688.1	2539.1	2501.9	2260.3	1938.0	1776.8	1677.5	1478.7	1329.7
137.5°	2539.8	2661.7	2539.8	2417.9	2387.4	2183.1	1910.8	1774.5	1687.8	1514.5	1384.5
140°	2438.1	2552.0	2438.1	2324.1	2295.6	2119.2	1883.8	1766.1	1689.5	1536.4	1421.5
142.5°	2353.8	2451.9	2353.8	2255.7	2231.2	2076.1	1869.5	1766.1	1695.7	1554.6	1448.9
145°	2227.4	2301.6	2227.4	2153.2	2134.7	2007.8	1838.7	1754.2	1695.7	1578.5	1490.7
147.5°	2130.4	2191.8	2130.4	2068.9	2053.5	1953.7	1820.7	1754.2	1707.3	1613.5	1543.2
150°	2069.4	2119.2	2069.4	2019.5	2007.0	1922.7	1810.4	1754.2	1713.3	1631.7	1570.5
152.5°	2017.1	2054.7	2017.1	1979.4	1970.0	1898.0	1802.2	1754.2	1717.4	1643.7	1588.5
155°	1957.1	1982.0	1957.1	1932.2	1926.0	1868.7	1792.3	1754.2	1726.1	1669.9	1627.8
157.5°	1909.6	1927.1	1909.6	1892.2	1887.8	1843.3	1783.9	1754.2	1734.9	1696.1	1667.2
160°	1881.3	1891.4	1881.3	1871.2	1868.7	1830.5	1779.6	1754.2	1738.8	1708.1	1685.0
162.5°	1862.7	1872.2	1862.7	1853.2	1850.8	1818.6	1775.7	1754.2	1743.1	1720.8	1704.2
165°	1836.0	1846.0	1836.0	1825.9	1823.4	1800.3	1769.6	1754.2	1749.1	1739.1	1731.5
167.5°	1816.8	1821.0	1816.8	1812.5	1811.4	1796.3	1776.2	1766.1	1761.9	1753.4	1747.1
170°	1811.4	1811.4	1811.4	1811.4	1811.4	1796.3	1776.2	1766.1	1765.8	1765.3	1765.0
172.5°	1797.3	1793.6	1797.3	1800.9	1801.9	1789.9	1774.0	1766.1	1766.1	1766.1	1766.1
175°	1788.8	1788.8	1788.8	1788.8	1788.8	1781.2	1771.2	1766.1	1768.5	1773.3	1776.8
177.5°	1781.0	1776.8	1781.0	1785.3	1786.4	1780.5	1772.5	1768.5	1770.3	1774.0	1776.8
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



TEST NUMBER: P935912

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2049.6	2038.1	2038.1	2019.0	2011.3	2005.6	1996.0	1967.4	1959.7	1952.1	1963.5
5°	2066.8	2045.7	2030.4	1996.0	1967.4	1955.9	1919.6	1850.7	1804.8	1770.4	1751.3
7.5°	2070.6	2043.8	2015.2	1961.6	1892.8	1862.2	1751.3	1625.1	1590.7	1560.1	1541.0
10°	2066.8	2036.2	1996.0	1915.7	1753.2	1699.7	1588.8	1506.6	1485.5	1479.8	1485.5
12.5°	2053.4	2024.7	1969.3	1835.4	1607.9	1571.6	1506.6	1458.8	1454.9	1464.5	1516.1
15°	2030.4	2003.7	1938.7	1728.4	1527.6	1500.8	1454.9	1437.7	1458.8	1525.7	1680.6
17.5°	2007.5	1976.9	1896.6	1623.2	1466.4	1447.3	1414.8	1449.2	1567.7	1657.6	1709.2
20°	1976.9	1940.6	1848.8	1546.7	1422.4	1405.2	1389.9	1544.8	1634.7	1667.2	1695.8
22.5°	1940.6	1902.3	1783.8	1493.2	1376.5	1363.2	1372.7	1598.3	1634.7	1657.6	1682.5
25°	1892.8	1860.3	1707.3	1451.1	1340.2	1324.9	1361.2	1592.6	1613.6	1619.4	1669.1
27.5°	1848.8	1806.7	1627.0	1412.9	1296.2	1290.5	1370.8	1567.7	1583.0	1588.8	1642.3
30°	1795.3	1732.2	1537.2	1372.7	1250.4	1248.4	1372.7	1537.2	1533.3	1548.6	1602.2
32.5°	1739.8	1621.3	1435.8	1323.0	1206.4	1204.5	1359.3	1491.3	1487.4	1508.5	1548.6
35°	1688.2	1535.2	1298.2	1265.6	1150.9	1152.8	1326.8	1437.7	1439.6	1458.8	1483.6
37.5°	1634.7	1460.7	1147.1	1202.6	1097.5	1097.5	1282.9	1388.0	1384.2	1389.9	1424.3
40°	1571.6	1344.0	1013.4	1120.4	1047.8	1042.0	1229.3	1334.5	1321.1	1319.2	1367.0
42.5°	1504.6	1215.9	913.9	1011.4	990.4	982.8	1164.3	1269.5	1244.6	1250.4	1311.5
45°	1432.0	1181.5	837.5	854.7	931.1	925.4	1093.7	1194.9	1177.7	1193.0	1256.1
47.5°	1359.3	1112.8	812.6	709.4	868.0	866.1	1015.3	1122.3	1112.8	1128.1	1194.9
50°	1259.9	1036.3	810.7	608.0	797.3	805.0	921.6	1051.6	1051.6	1065.0	1135.7
52.5°	1131.9	942.6	736.1	550.7	715.1	738.0	839.4	990.4	994.2	1007.6	1070.7
55°	1015.3	845.1	682.6	506.7	617.6	667.3	759.1	927.3	935.0	948.4	1005.7
57.5°	908.2	703.6	671.1	455.1	527.7	575.5	688.3	866.1	870.0	881.4	936.9
60°	793.5	508.6	615.7	399.6	449.3	485.6	623.3	793.5	806.9	814.5	862.3
62.5°	663.5	369.0	558.3	361.4	411.1	418.7	569.8	724.6	741.9	747.6	776.3
65°	472.3	309.7	474.2	328.9	370.9	372.8	512.4	653.9	669.2	678.8	699.8
67.5°	319.3	252.4	361.4	298.3	340.3	342.2	457.0	571.7	592.7	600.4	613.8
70°	221.8	168.3	267.7	265.8	305.9	309.7	397.7	497.1	516.2	522.0	529.6
72.5°	162.5	135.8	221.8	239.0	269.6	273.4	336.5	413.0	432.1	437.8	441.7
75°	124.3	143.4	179.7	208.4	229.4	231.4	275.3	336.5	349.9	353.7	355.6
77.5°	99.4	133.8	131.9	168.3	187.4	183.6	216.1	260.0	271.5	271.5	271.5
80°	74.6	105.2	99.4	120.5	137.7	133.8	154.9	185.5	189.3	193.1	191.2
82.5°	55.4	66.9	66.9	76.5	91.8	88.0	103.2	120.5	120.5	120.5	124.3
85°	34.4	38.2	30.6	40.2	51.6	49.7	57.4	65.0	66.9	66.9	63.1
87.5°	21.0	17.2	9.6	15.3	22.9	22.9	26.8	28.7	26.8	26.8	26.8
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	209.9	128.8	47.7	128.8	209.9	230.2	323.6	448.2	510.4	447.3	321.2
95°	411.3	262.9	114.5	262.9	411.3	448.4	796.2	1259.9	1491.8	1331.2	1010.1
97.5°	459.8	328.9	198.0	328.9	459.8	492.5	1072.5	1845.8	2232.5	2130.9	1928.0
100°	499.8	381.1	262.3	381.1	499.8	529.5	1173.1	2031.1	2460.2	2467.6	2482.4
102.5°	538.7	428.0	317.2	428.0	538.7	566.4	1219.2	2089.4	2524.6	2654.0	2912.5
105°	597.9	504.0	410.2	504.0	597.9	621.3	1253.3	2096.0	2517.4	2807.4	3387.2
107.5°	680.5	593.1	505.6	593.1	680.5	702.4	1259.7	2002.8	2374.3	2778.7	3587.6
110°	728.0	649.0	570.1	649.0	728.0	747.7	1250.2	1920.1	2255.1	2707.2	3611.4



TEST NUMBER: P935912

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.7	708.5	633.3	708.5	783.7	802.6	1250.5	1847.9	2146.5	2609.2	3534.6
115°	867.5	798.1	728.7	798.1	867.5	884.9	1262.1	1765.1	2016.6	2462.3	3353.7
117.5°	949.0	885.9	822.8	885.9	949.0	964.8	1285.5	1713.2	1927.1	2329.4	3134.0
120°	996.4	937.1	877.7	937.1	996.4	1011.3	1304.7	1695.8	1891.4	2258.9	2994.1
122.5°	1051.1	991.3	931.3	991.3	1051.1	1066.1	1332.1	1686.7	1863.9	2194.9	2856.9
125°	1122.8	1068.2	1013.6	1068.2	1122.8	1136.5	1369.0	1679.0	1834.1	2115.2	2677.6
127.5°	1190.7	1135.5	1080.5	1135.5	1190.7	1204.5	1406.0	1674.7	1809.0	2050.4	2533.3
130°	1235.0	1175.6	1116.2	1175.6	1235.0	1249.8	1433.0	1677.3	1799.5	2014.4	2444.3
132.5°	1272.0	1212.6	1153.2	1212.6	1272.0	1286.8	1454.9	1679.1	1791.2	1983.5	2368.3
135°	1316.2	1262.1	1208.0	1262.1	1316.2	1329.7	1478.7	1677.5	1776.8	1938.0	2260.3
137.5°	1371.1	1317.7	1264.1	1317.7	1371.1	1384.5	1514.5	1687.8	1774.5	1910.8	2183.1
140°	1409.1	1359.9	1310.6	1359.9	1409.1	1421.5	1536.4	1689.5	1766.1	1883.8	2119.2
142.5°	1437.5	1391.9	1346.3	1391.9	1437.5	1448.9	1554.6	1695.7	1766.1	1869.5	2076.1
145°	1480.7	1441.0	1401.2	1441.0	1480.7	1490.7	1578.5	1695.7	1754.2	1838.7	2007.8
147.5°	1533.5	1494.8	1456.1	1494.8	1533.5	1543.2	1613.5	1707.3	1754.2	1820.7	1953.7
150°	1561.8	1526.8	1491.8	1526.8	1561.8	1570.5	1631.7	1713.3	1754.2	1810.4	1922.7
152.5°	1581.9	1555.3	1528.8	1555.3	1581.9	1588.5	1643.7	1717.4	1754.2	1802.2	1898.0
155°	1622.9	1603.3	1583.7	1603.3	1622.9	1627.8	1669.9	1726.1	1754.2	1792.3	1868.7
157.5°	1662.4	1643.4	1624.2	1643.4	1662.4	1667.2	1696.1	1734.9	1754.2	1783.9	1843.3
160°	1681.3	1666.5	1651.7	1666.5	1681.3	1685.0	1708.1	1738.8	1754.2	1779.6	1830.5
162.5°	1701.4	1690.2	1679.1	1690.2	1701.4	1704.2	1720.8	1743.1	1754.2	1775.7	1818.6
165°	1729.0	1718.9	1708.8	1718.9	1729.0	1731.5	1739.1	1749.1	1754.2	1769.6	1800.3
167.5°	1745.8	1741.1	1736.3	1741.1	1745.8	1747.1	1753.4	1761.9	1766.1	1776.2	1796.3
170°	1763.7	1758.9	1754.2	1758.9	1763.7	1765.0	1765.3	1765.8	1766.1	1776.2	1796.3
172.5°	1765.8	1764.8	1763.7	1764.8	1765.8	1766.1	1766.1	1766.1	1766.1	1774.0	1789.9
175°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1773.3	1768.5	1766.1	1771.2	1781.2
177.5°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1774.0	1770.3	1768.5	1772.5	1780.5
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



TEST NUMBER: P935912  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	1950.1	1944.4	1952.1	1931.0	1952.1	1944.4	1950.1	1963.5	1952.1	1959.7	1967.4
5°	1711.1	1701.6	1671.0	1646.1	1671.0	1701.6	1711.1	1751.3	1770.4	1804.8	1850.7
7.5°	1529.5	1521.9	1514.2	1498.9	1514.2	1521.9	1529.5	1541.0	1560.1	1590.7	1625.1
10°	1489.4	1491.3	1502.7	1500.8	1502.7	1491.3	1489.4	1485.5	1479.8	1485.5	1506.6
12.5°	1592.6	1609.8	1672.9	1669.1	1672.9	1609.8	1592.6	1516.1	1464.5	1454.9	1458.8
15°	1711.1	1716.9	1730.3	1732.2	1730.3	1716.9	1711.1	1680.6	1525.7	1458.8	1437.7
17.5°	1722.6	1724.5	1734.1	1734.1	1734.1	1724.5	1722.6	1709.2	1657.6	1567.7	1449.2
20°	1713.1	1716.9	1736.0	1739.8	1736.0	1716.9	1713.1	1695.8	1667.2	1634.7	1544.8
22.5°	1709.2	1716.9	1732.2	1730.3	1732.2	1716.9	1709.2	1682.5	1657.6	1634.7	1598.3
25°	1690.1	1690.1	1692.0	1693.9	1692.0	1690.1	1690.1	1669.1	1619.4	1613.6	1592.6
27.5°	1650.0	1653.8	1665.3	1663.3	1665.3	1653.8	1650.0	1642.3	1588.8	1583.0	1567.7
30°	1613.6	1609.8	1600.2	1592.6	1600.2	1609.8	1613.6	1602.2	1548.6	1533.3	1537.2
32.5°	1552.4	1542.9	1533.3	1527.6	1533.3	1542.9	1552.4	1548.6	1508.5	1487.4	1491.3
35°	1479.8	1481.7	1479.8	1474.1	1479.8	1481.7	1479.8	1483.6	1458.8	1439.6	1437.7
37.5°	1428.2	1432.0	1430.1	1422.4	1430.1	1432.0	1428.2	1424.3	1389.9	1384.2	1388.0
40°	1374.6	1376.5	1374.6	1368.9	1374.6	1376.5	1374.6	1367.0	1319.2	1321.1	1334.5
42.5°	1323.0	1321.1	1315.4	1311.5	1315.4	1321.1	1323.0	1311.5	1250.4	1244.6	1269.5
45°	1263.7	1265.6	1254.2	1248.4	1254.2	1265.6	1263.7	1256.1	1193.0	1177.7	1194.9
47.5°	1204.5	1204.5	1194.9	1189.2	1194.9	1204.5	1204.5	1194.9	1128.1	1112.8	1122.3
50°	1141.4	1139.6	1126.2	1124.3	1126.2	1139.6	1141.4	1135.7	1065.0	1051.6	1051.6
52.5°	1068.8	1068.8	1070.7	1074.5	1070.7	1068.8	1068.8	1070.7	1007.6	994.2	990.4
55°	1005.7	1007.6	1021.0	1024.8	1021.0	1007.6	1005.7	1005.7	948.4	935.0	927.3
57.5°	940.7	940.7	950.3	950.3	950.3	940.7	940.7	936.9	881.4	870.0	866.1
60°	866.1	870.0	877.6	875.7	877.6	870.0	866.1	862.3	814.5	806.9	793.5
62.5°	787.7	791.6	793.5	789.7	793.5	791.6	787.7	776.3	747.6	741.9	724.6
65°	705.5	709.4	711.3	707.4	711.3	709.4	705.5	699.8	678.8	669.2	653.9
67.5°	621.4	619.5	617.6	625.2	617.6	619.5	621.4	613.8	600.4	592.7	571.7
70°	535.4	535.4	533.4	537.3	533.4	535.4	535.4	529.6	522.0	516.2	497.1
72.5°	443.6	441.7	449.3	443.6	449.3	441.7	443.6	441.7	437.8	432.1	413.0
75°	353.7	357.5	353.7	359.5	353.7	357.5	353.7	355.6	353.7	349.9	336.5
77.5°	269.6	273.4	269.6	269.6	269.6	273.4	269.6	271.5	271.5	271.5	260.0
80°	191.2	189.3	189.3	187.4	189.3	189.3	191.2	191.2	193.1	189.3	185.5
82.5°	122.4	120.5	120.5	124.3	120.5	120.5	122.4	124.3	120.5	120.5	120.5
85°	66.9	68.8	65.0	65.0	65.0	68.8	66.9	63.1	66.9	66.9	65.0
87.5°	24.9	22.9	22.9	22.9	22.9	22.9	24.9	26.8	26.8	26.8	28.7
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.6	217.6	181.5	145.5	181.5	217.6	226.6	321.2	447.3	510.4	448.2
95°	769.2	741.9	632.7	523.5	632.7	741.9	769.2	1010.1	1331.2	1491.8	1259.9
97.5°	1775.7	1723.8	1515.9	1308.2	1515.9	1723.8	1775.7	1928.0	2130.9	2232.5	1845.8
100°	2493.5	2431.7	2184.2	1936.7	2184.2	2431.7	2493.5	2482.4	2467.6	2460.2	2031.1
102.5°	3106.5	3053.6	2841.5	2629.6	2841.5	3053.6	3106.5	2912.5	2654.0	2524.6	2089.4
105°	3822.1	3793.6	3679.6	3565.7	3679.6	3793.6	3822.1	3387.2	2807.4	2517.4	2096.0
107.5°	4194.2	4201.0	4228.6	4256.1	4228.6	4201.0	4194.2	3587.6	2778.7	2374.3	2002.8
110°	4289.6	4319.2	4437.9	4556.7	4437.9	4319.2	4289.6	3611.4	2707.2	2255.1	1920.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4228.7	4274.3	4456.6	4638.9	4456.6	4274.3	4228.7	3534.6	2609.2	2146.5	1847.9
115°	4022.4	4085.6	4338.4	4591.2	4338.4	4085.6	4022.4	3353.7	2462.3	2016.6	1765.1
117.5°	3737.4	3807.5	4087.9	4368.3	4087.9	3807.5	3737.4	3134.0	2329.4	1927.1	1713.2
120°	3545.4	3613.5	3885.9	4158.3	3885.9	3613.5	3545.4	2994.1	2258.9	1891.4	1695.8
122.5°	3353.4	3420.6	3689.3	3958.0	3689.3	3420.6	3353.4	2856.9	2194.9	1863.9	1686.7
125°	3099.4	3161.2	3408.8	3656.3	3408.8	3161.2	3099.4	2677.6	2115.2	1834.1	1679.0
127.5°	2895.4	2947.6	3156.5	3365.3	3156.5	2947.6	2895.4	2533.3	2050.4	1809.0	1674.7
130°	2766.7	2814.9	3007.9	3200.8	3007.9	2814.9	2766.7	2444.3	2014.4	1799.5	1677.3
132.5°	2656.9	2700.1	2872.9	3045.7	2872.9	2700.1	2656.9	2368.3	1983.5	1791.2	1679.1
135°	2501.9	2539.1	2688.1	2837.0	2688.1	2539.1	2501.9	2260.3	1938.0	1776.8	1677.5
137.5°	2387.4	2417.9	2539.8	2661.7	2539.8	2417.9	2387.4	2183.1	1910.8	1774.5	1687.8
140°	2295.6	2324.1	2438.1	2552.0	2438.1	2324.1	2295.6	2119.2	1883.8	1766.1	1689.5
142.5°	2231.2	2255.7	2353.8	2451.9	2353.8	2255.7	2231.2	2076.1	1869.5	1766.1	1695.7
145°	2134.7	2153.2	2227.4	2301.6	2227.4	2153.2	2134.7	2007.8	1838.7	1754.2	1695.7
147.5°	2053.5	2068.9	2130.4	2191.8	2130.4	2068.9	2053.5	1953.7	1820.7	1754.2	1707.3
150°	2007.0	2019.5	2069.4	2119.2	2069.4	2019.5	2007.0	1922.7	1810.4	1754.2	1713.3
152.5°	1970.0	1979.4	2017.1	2054.7	2017.1	1979.4	1970.0	1898.0	1802.2	1754.2	1717.4
155°	1926.0	1932.2	1957.1	1982.0	1957.1	1932.2	1926.0	1868.7	1792.3	1754.2	1726.1
157.5°	1887.8	1892.2	1909.6	1927.1	1909.6	1892.2	1887.8	1843.3	1783.9	1754.2	1734.9
160°	1868.7	1871.2	1881.3	1891.4	1881.3	1871.2	1868.7	1830.5	1779.6	1754.2	1738.8
162.5°	1850.8	1853.2	1862.7	1872.2	1862.7	1853.2	1850.8	1818.6	1775.7	1754.2	1743.1
165°	1823.4	1825.9	1836.0	1846.0	1836.0	1825.9	1823.4	1800.3	1769.6	1754.2	1749.1
167.5°	1811.4	1812.5	1816.8	1821.0	1816.8	1812.5	1811.4	1796.3	1776.2	1766.1	1761.9
170°	1811.4	1811.4	1811.4	1811.4	1811.4	1811.4	1811.4	1796.3	1776.2	1766.1	1765.8
172.5°	1801.9	1800.9	1797.3	1793.6	1797.3	1800.9	1801.9	1789.9	1774.0	1766.1	1766.1
175°	1788.8	1788.8	1788.8	1788.8	1788.8	1788.8	1788.8	1781.2	1771.2	1766.1	1768.5
177.5°	1786.4	1785.3	1781.0	1776.8	1781.0	1785.3	1786.4	1780.5	1772.5	1768.5	1770.3
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	1996.0	2005.6	2011.3	2019.0	2038.1
5°	1919.6	1955.9	1967.4	1996.0	2030.4
7.5°	1751.3	1862.2	1892.8	1961.6	2015.2
10°	1588.8	1699.7	1753.2	1915.7	1996.0
12.5°	1506.6	1571.6	1607.9	1835.4	1969.3
15°	1454.9	1500.8	1527.6	1728.4	1938.7
17.5°	1414.8	1447.3	1466.4	1623.2	1896.6
20°	1389.9	1405.2	1422.4	1546.7	1848.8
22.5°	1372.7	1363.2	1376.5	1493.2	1783.8
25°	1361.2	1324.9	1340.2	1451.1	1707.3
27.5°	1370.8	1290.5	1296.2	1412.9	1627.0
30°	1372.7	1248.4	1250.4	1372.7	1537.2
32.5°	1359.3	1204.5	1206.4	1323.0	1435.8
35°	1326.8	1152.8	1150.9	1265.6	1298.2
37.5°	1282.9	1097.5	1097.5	1202.6	1147.1
40°	1229.3	1042.0	1047.8	1120.4	1013.4
42.5°	1164.3	982.8	990.4	1011.4	913.9
45°	1093.7	925.4	931.1	854.7	837.5
47.5°	1015.3	866.1	868.0	709.4	812.6
50°	921.6	805.0	797.3	608.0	810.7
52.5°	839.4	738.0	715.1	550.7	736.1
55°	759.1	667.3	617.6	506.7	682.6
57.5°	688.3	575.5	527.7	455.1	671.1
60°	623.3	485.6	449.3	399.6	615.7
62.5°	569.8	418.7	411.1	361.4	558.3
65°	512.4	372.8	370.9	328.9	474.2
67.5°	457.0	342.2	340.3	298.3	361.4
70°	397.7	309.7	305.9	265.8	267.7
72.5°	336.5	273.4	269.6	239.0	221.8
75°	275.3	231.4	229.4	208.4	179.7
77.5°	216.1	183.6	187.4	168.3	131.9
80°	154.9	133.8	137.7	120.5	99.4
82.5°	103.2	88.0	91.8	76.5	66.9
85°	57.4	49.7	51.6	40.2	30.6
87.5°	26.8	22.9	22.9	15.3	9.6
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.6	230.2	209.9	128.8	47.7
95°	796.2	448.4	411.3	262.9	114.5
97.5°	1072.5	492.5	459.8	328.9	198.0
100°	1173.1	529.5	499.8	381.1	262.3
102.5°	1219.2	566.4	538.7	428.0	317.2
105°	1253.3	621.3	597.9	504.0	410.2
107.5°	1259.7	702.4	680.5	593.1	505.6
110°	1250.2	747.7	728.0	649.0	570.1



TEST NUMBER: P935912

CATALOG NUMBER: SQ4-FA-150U-075D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1250.5	802.6	783.7	708.5	633.3
115°	1262.1	884.9	867.5	798.1	728.7
117.5°	1285.5	964.8	949.0	885.9	822.8
120°	1304.7	1011.3	996.4	937.1	877.7
122.5°	1332.1	1066.1	1051.1	991.3	931.3
125°	1369.0	1136.5	1122.8	1068.2	1013.6
127.5°	1406.0	1204.5	1190.7	1135.5	1080.5
130°	1433.0	1249.8	1235.0	1175.6	1116.2
132.5°	1454.9	1286.8	1272.0	1212.6	1153.2
135°	1478.7	1329.7	1316.2	1262.1	1208.0
137.5°	1514.5	1384.5	1371.1	1317.7	1264.1
140°	1536.4	1421.5	1409.1	1359.9	1310.6
142.5°	1554.6	1448.9	1437.5	1391.9	1346.3
145°	1578.5	1490.7	1480.7	1441.0	1401.2
147.5°	1613.5	1543.2	1533.5	1494.8	1456.1
150°	1631.7	1570.5	1561.8	1526.8	1491.8
152.5°	1643.7	1588.5	1581.9	1555.3	1528.8
155°	1669.9	1627.8	1622.9	1603.3	1583.7
157.5°	1696.1	1667.2	1662.4	1643.4	1624.2
160°	1708.1	1685.0	1681.3	1666.5	1651.7
162.5°	1720.8	1704.2	1701.4	1690.2	1679.1
165°	1739.1	1731.5	1729.0	1718.9	1708.8
167.5°	1753.4	1747.1	1745.8	1741.1	1736.3
170°	1765.3	1765.0	1763.7	1758.9	1754.2
172.5°	1766.1	1766.1	1765.8	1764.8	1763.7
175°	1773.3	1776.8	1776.8	1776.8	1776.8
177.5°	1774.0	1776.8	1776.8	1776.8	1776.8
180°	1776.8	1776.8	1776.8	1776.8	1776.8



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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	10.54	11.26	11.65	12.36	13.87	13.38	14.10	14.48	15.20	16.71
	3H	11.01	11.65	12.12	12.76	14.29	14.72	15.36	15.83	16.47	18.00
	4H	11.19	11.80	12.32	12.91	14.45	15.16	15.76	16.28	16.87	18.41
	6H	11.30	11.86	12.43	12.98	14.52	15.44	16.00	16.57	17.11	18.66
	8H	11.30	11.83	12.44	12.96	14.50	15.51	16.04	16.64	17.17	18.71
	12H	11.27	11.77	12.41	12.89	14.46	15.54	16.05	16.68	17.17	18.73
4H	2H	11.56	12.17	12.69	13.28	14.81	13.77	14.38	14.90	15.49	17.03
	3H	12.57	13.08	13.71	14.21	15.76	15.27	15.77	16.40	16.91	18.46
	4H	12.84	13.31	13.98	14.43	16.00	15.79	16.26	16.93	17.38	18.95
	6H	12.96	13.36	14.10	14.51	16.07	16.15	16.55	17.29	17.69	19.26
	8H	12.96	13.33	14.11	14.47	16.05	16.25	16.63	17.40	17.76	19.34
	12H	12.92	13.26	14.08	14.41	15.99	16.30	16.64	17.46	17.79	19.37
8H	4H	13.29	13.66	14.43	14.80	16.37	15.90	16.27	17.05	17.41	18.99
	6H	13.54	13.85	14.71	15.03	16.60	16.33	16.64	17.50	17.82	19.40
	8H	13.58	13.85	14.75	15.01	16.61	16.49	16.75	17.66	17.91	19.51
	12H	13.56	13.80	14.73	14.95	16.58	16.58	16.82	17.75	17.97	19.60
12H	4H	13.29	13.62	14.45	14.77	16.36	15.86	16.20	17.02	17.35	18.93
	6H	13.60	13.87	14.77	15.03	16.62	16.33	16.60	17.50	17.76	19.35
	8H	13.66	13.90	14.84	15.05	16.68	16.49	16.72	17.66	17.88	19.51