

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: P935428

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

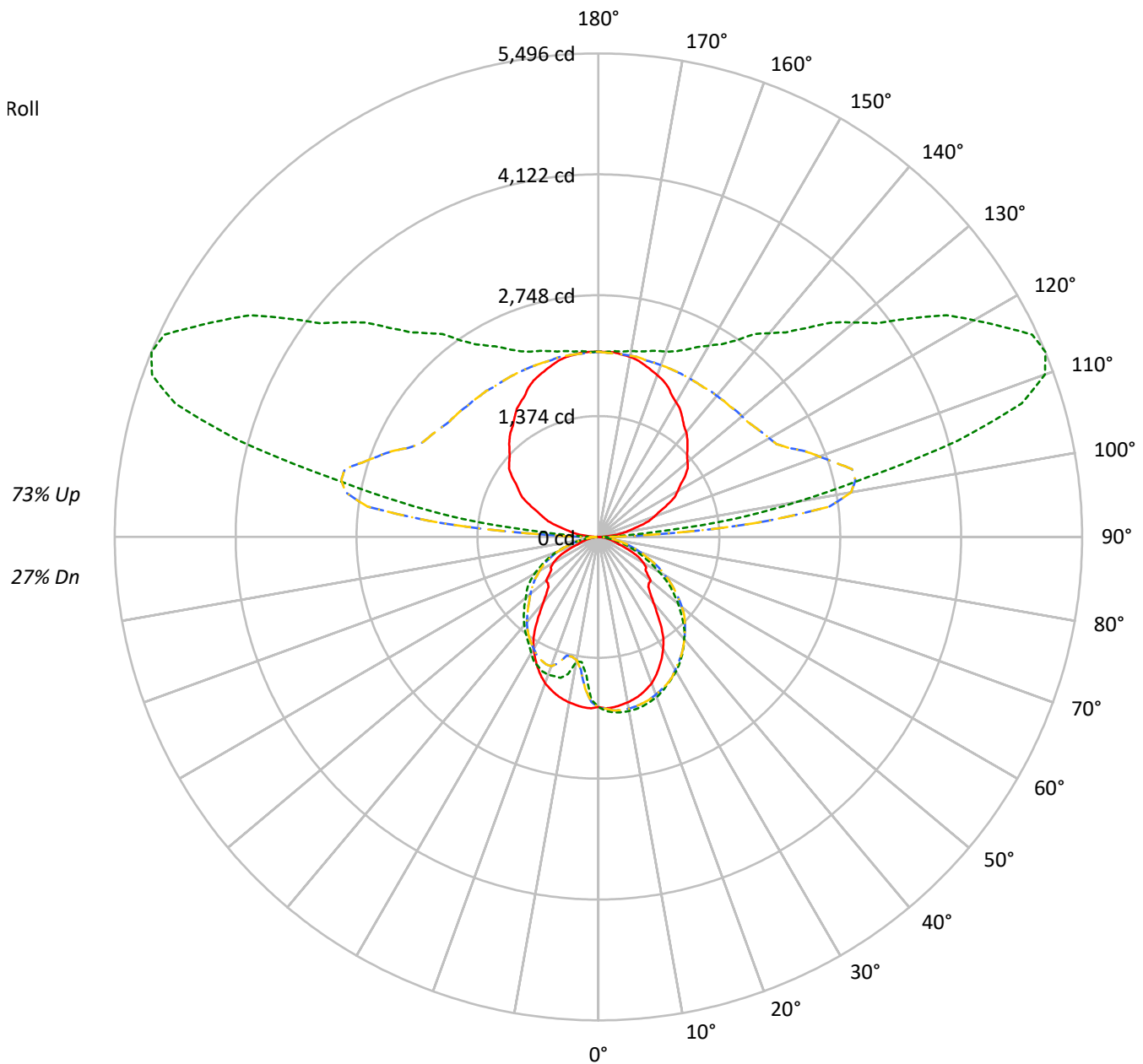
Test Method: LM-79-2019  
Report Number: P935428  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18671.2 lumens  
Efficiency: N/A  
Efficacy: 130.8 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): 142.8  
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	0
RCR																					
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27			27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23			23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19			19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16			16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14			14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12			12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10			10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9			9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8			8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7			7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7			7

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

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6030	6040	6030	4749
10°	5992	5950	5992	4254
15°	5929	5821	5929	4860
20°	5808	5668	5808	4871
25°	5556	5445	5556	4767
30°	5230	5260	5230	4541
35°	4665	5026	4665	4292
40°	3889	4751	3889	4104
45°	3477	4429	3477	3887
50°	3697	4044	3697	3670
55°	3482	3631	3482	3545
60°	3594	3083	3594	3246
65°	3264	2549	3264	2849
70°	2265	2031	2265	2388
75°	1994	1502	1994	1798
80°	1618	993	1618	1081
85°	949	526	949	447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5326 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.6	0.9
10°-20°	495.8	2.7
20°-30°	766.4	4.1
30°-40°	914.9	4.9
40°-50°	920.3	4.9
50°-60°	800.8	4.3
60°-70°	567.8	3.0
70°-80°	300.4	1.6
80°-90°	82.8	0.4
90°-100°	1026.2	5.5
100°-110°	2697.9	14.4
110°-120°	2797.5	15.0
120°-130°	2243.9	12.0
130°-140°	1760.7	9.4
140°-150°	1351.4	7.2
150°-160°	973.2	5.2
160°-170°	595.5	3.2
170°-180°	201.2	1.1
0°-30°	1436.8	7.7
0°-40°	2351.7	12.6
0°-60°	4072.8	21.8
0°-90°	5023.8	26.9
90°-120°	6521.6	34.9
90°-150°	11877.6	63.6
90°-180°	13647.0	73.1
0°-180°	18671.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1934	1934	1934	1934	1934	
5°	1944	2004	1944	1576	1944	184
15°	1856	1986	1856	1658	1856	522
25°	1634	1852	1634	1622	1634	750
35°	1243	1653	1243	1411	1243	769
45°	802	1362	802	1195	802	642
55°	653	1005	653	981	653	600
65°	454	606	454	677	454	434
75°	172	287	172	344	172	181
85°	29	73	29	62	29	40
90°	14	54	14	54	14	13
95°	136	620	136	620	136	151
105°	486	4225	486	4225	486	515
115°	863	5440	863	5440	863	853
125°	1201	4332	1201	4332	1201	1066
135°	1431	3361	1431	3361	1431	1107
145°	1660	2727	1660	2727	1660	1040
155°	1876	2348	1876	2348	1876	862
165°	2025	2187	2025	2187	2025	571
175°	2105	2119	2105	2119	2105	200
180°	2105	2105	2105	2105	2105	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1950.9	1950.9	1961.9	1965.5	1965.5	1960.1	1954.6	1960.1	1976.6	1982.0	1980.2
5°	1943.6	1958.3	1978.4	1982.0	1985.7	1983.9	1980.2	1983.9	2002.2	2005.8	2007.7
7.5°	1929.0	1956.4	1982.0	1987.6	1993.0	1987.6	1985.7	1989.4	2007.7	2011.3	2011.3
10°	1910.7	1949.1	1978.4	1982.0	1987.6	1982.0	1982.0	1989.4	2007.7	2011.3	2013.2
12.5°	1885.0	1938.2	1965.5	1969.3	1976.6	1974.7	1972.9	1980.2	1998.6	2002.2	2002.2
15°	1855.8	1918.0	1943.6	1947.3	1960.1	1956.4	1956.4	1963.7	1983.9	1989.4	1987.6
17.5°	1815.5	1892.4	1921.7	1927.2	1936.3	1934.4	1936.3	1943.6	1961.9	1965.5	1967.5
20°	1769.8	1857.6	1892.4	1897.9	1907.1	1907.1	1907.1	1916.2	1934.4	1941.8	1941.8
22.5°	1707.6	1821.0	1857.6	1861.3	1872.2	1872.2	1875.9	1888.7	1905.1	1907.1	1907.1
25°	1634.3	1780.7	1811.8	1822.8	1833.8	1839.3	1844.8	1852.1	1857.6	1855.8	1857.6
27.5°	1557.5	1729.5	1769.8	1777.1	1791.7	1797.2	1804.5	1806.4	1808.2	1813.6	1810.0
30°	1471.4	1658.1	1718.5	1725.9	1749.6	1753.3	1746.0	1749.6	1758.8	1762.4	1766.1
32.5°	1374.5	1551.9	1665.5	1681.9	1703.8	1692.9	1691.0	1696.6	1711.2	1711.2	1714.8
35°	1242.7	1469.6	1616.1	1630.7	1647.2	1634.3	1641.6	1643.4	1652.6	1658.1	1656.3
37.5°	1098.1	1398.2	1564.8	1575.8	1588.6	1572.1	1583.0	1588.6	1595.9	1592.2	1592.2
40°	969.9	1286.6	1504.4	1511.7	1522.6	1509.9	1520.8	1524.6	1528.2	1524.6	1522.6
42.5°	874.8	1164.0	1440.3	1449.5	1442.1	1451.3	1455.0	1462.3	1456.8	1449.5	1449.5
45°	801.6	1131.0	1370.8	1381.7	1370.8	1385.5	1390.9	1390.9	1374.5	1370.8	1368.9
47.5°	777.8	1065.2	1301.2	1301.2	1295.8	1314.1	1323.2	1310.4	1294.0	1288.4	1288.4
50°	776.0	992.0	1206.1	1198.7	1224.4	1246.3	1237.2	1224.4	1211.5	1191.4	1191.4
52.5°	704.6	902.3	1083.5	1110.9	1151.1	1164.0	1149.3	1136.5	1114.6	1105.4	1098.1
55°	653.4	808.9	971.8	1026.7	1068.8	1085.3	1057.8	1045.0	1012.1	1006.6	1003.0
57.5°	642.4	673.5	869.3	938.8	990.1	988.3	971.8	948.0	920.6	915.1	913.3
60°	589.4	486.8	759.5	841.9	894.9	889.4	874.8	852.9	827.2	823.6	819.9
62.5°	534.4	353.2	635.0	728.4	803.4	801.6	788.8	755.8	737.5	728.4	721.1
65°	453.9	296.5	452.1	605.8	713.8	717.4	690.0	666.2	646.0	635.0	633.2
67.5°	345.9	241.6	305.6	505.1	627.7	624.1	589.4	578.3	552.7	547.2	536.2
70°	256.2	161.1	212.3	410.0	543.6	534.4	506.9	494.1	470.4	457.5	450.2
72.5°	212.3	129.9	155.5	318.5	457.5	446.5	422.8	408.2	388.0	377.0	369.7
75°	172.0	137.3	119.0	236.1	371.5	364.2	342.2	327.6	311.1	296.5	298.3
77.5°	126.3	128.1	95.1	173.8	294.6	283.7	270.9	252.6	245.2	230.6	230.6
80°	95.1	100.7	71.4	119.0	212.3	212.3	201.3	188.5	175.7	168.4	168.4
82.5°	64.0	64.0	53.0	75.0	144.5	139.1	131.8	128.1	120.8	117.2	117.2
85°	29.3	36.6	32.9	45.8	78.7	82.3	82.3	78.7	76.9	73.2	75.0
87.5°	9.2	16.5	20.1	25.7	40.3	42.1	43.9	43.9	43.9	45.8	45.8
90°	14.1	25.4	36.7	39.6	62.1	92.2	107.3	95.4	71.6	53.7	53.7
92.5°	56.5	152.5	248.7	272.7	383.4	531.0	604.7	530.0	380.5	268.4	257.8
95°	135.6	311.5	487.3	531.2	943.3	1492.8	1767.5	1577.2	1196.7	911.4	879.0
97.5°	234.5	389.6	544.8	583.5	1270.7	2186.9	2645.0	2524.7	2284.2	2103.8	2042.2
100°	310.8	451.5	592.2	627.4	1389.8	2406.5	2914.8	2923.7	2941.2	2954.4	2881.1
102.5°	375.9	507.1	638.3	671.1	1444.5	2475.6	2991.2	3144.3	3450.8	3680.7	3617.9
105°	486.0	597.2	708.3	736.2	1485.0	2483.4	2982.6	3326.1	4013.1	4528.4	4494.6
107.5°	599.1	702.7	806.3	832.2	1492.5	2373.0	2813.1	3292.2	4250.5	4969.2	4977.4
110°	675.4	768.9	862.5	885.9	1481.2	2274.9	2671.8	3207.5	4278.8	5082.2	5117.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	750.3	839.4	928.6	950.8	1481.6	2189.4	2543.3	3091.5	4187.9	5010.2	5064.2
115°	863.2	945.5	1027.8	1048.4	1495.4	2091.3	2389.3	2917.4	3973.6	4765.8	4840.6
117.5°	974.9	1049.6	1124.4	1143.0	1523.1	2029.9	2283.3	2759.9	3713.1	4428.0	4511.1
120°	1039.9	1110.2	1180.6	1198.2	1545.7	2009.2	2240.9	2676.4	3547.4	4200.6	4281.3
122.5°	1103.5	1174.4	1245.4	1263.1	1578.2	1998.4	2208.4	2600.6	3384.9	3973.1	4052.7
125°	1201.0	1265.7	1330.3	1346.5	1622.1	1989.4	2173.0	2506.1	3172.5	3672.1	3745.4
127.5°	1280.1	1345.4	1410.8	1427.0	1665.8	1984.2	2143.4	2429.4	3001.4	3430.5	3492.4
130°	1322.5	1392.8	1463.2	1480.7	1697.8	1987.4	2132.1	2386.7	2896.0	3278.0	3335.1
132.5°	1366.3	1436.6	1507.0	1524.6	1723.8	1989.4	2122.2	2350.1	2806.0	3148.0	3199.2
135°	1431.3	1495.4	1559.4	1575.4	1752.1	1987.6	2105.3	2296.2	2678.0	2964.3	3008.4
137.5°	1497.7	1561.1	1624.5	1640.3	1794.3	1999.7	2102.4	2263.8	2586.6	2828.6	2864.7
140°	1552.8	1611.1	1669.5	1684.2	1820.3	2001.7	2092.5	2231.9	2510.7	2719.8	2753.6
142.5°	1595.1	1649.2	1703.2	1716.7	1841.9	2009.0	2092.5	2215.0	2459.9	2643.6	2672.6
145°	1660.2	1707.3	1754.4	1766.2	1870.2	2009.0	2078.4	2178.6	2378.9	2529.1	2551.1
147.5°	1725.1	1771.0	1816.8	1828.3	1911.7	2022.9	2078.4	2157.2	2314.8	2433.0	2451.2
150°	1767.5	1809.0	1850.5	1860.8	1933.3	2030.0	2078.4	2145.0	2278.1	2377.9	2392.6
152.5°	1811.4	1842.7	1874.2	1882.0	1947.5	2034.8	2078.4	2135.3	2248.9	2334.1	2345.3
155°	1876.3	1899.6	1922.8	1928.6	1978.6	2045.1	2078.4	2123.6	2214.1	2281.8	2289.2
157.5°	1924.4	1947.0	1969.6	1975.3	2009.7	2055.5	2078.4	2113.5	2183.9	2236.6	2241.8
160°	1956.9	1974.5	1992.1	1996.5	2023.8	2060.2	2078.4	2108.5	2168.8	2214.1	2217.1
162.5°	1989.4	2002.6	2015.8	2019.0	2038.9	2065.2	2078.4	2103.9	2154.7	2192.9	2195.7
165°	2024.7	2036.6	2048.5	2051.5	2060.5	2072.4	2078.4	2096.6	2133.0	2160.3	2163.3
167.5°	2057.2	2062.9	2068.5	2069.9	2077.4	2087.5	2092.5	2104.4	2128.3	2146.2	2147.5
170°	2078.4	2084.1	2089.7	2091.1	2091.5	2092.2	2092.5	2104.4	2128.3	2146.2	2146.2
172.5°	2089.7	2091.0	2092.3	2092.5	2092.5	2092.5	2092.5	2102.0	2120.8	2134.9	2133.8
175°	2105.3	2105.3	2105.3	2105.3	2101.0	2095.3	2092.5	2098.5	2110.4	2119.4	2119.4
177.5°	2105.3	2105.3	2105.3	2105.3	2102.0	2097.5	2095.3	2100.1	2109.4	2116.5	2115.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1983.9	1978.4	1983.9	1980.2	1982.0	1976.6	1960.1	1954.6	1960.1	1965.5	1965.5
5°	2007.7	2004.0	2007.7	2007.7	2005.8	2002.2	1983.9	1980.2	1983.9	1985.7	1982.0
7.5°	2015.0	2009.5	2015.0	2011.3	2011.3	2007.7	1989.4	1985.7	1987.6	1993.0	1987.6
10°	2015.0	2009.5	2015.0	2013.2	2011.3	2007.7	1989.4	1982.0	1982.0	1987.6	1982.0
12.5°	2005.8	2002.2	2005.8	2002.2	2002.2	1998.6	1980.2	1972.9	1974.7	1976.6	1969.3
15°	1991.2	1985.7	1991.2	1987.6	1989.4	1983.9	1963.7	1956.4	1956.4	1960.1	1947.3
17.5°	1969.3	1961.9	1969.3	1967.5	1965.5	1961.9	1943.6	1936.3	1934.4	1936.3	1927.2
20°	1943.6	1938.2	1943.6	1941.8	1941.8	1934.4	1916.2	1907.1	1907.1	1907.1	1897.9
22.5°	1903.3	1897.9	1903.3	1907.1	1907.1	1905.1	1888.7	1875.9	1872.2	1872.2	1861.3
25°	1857.6	1852.1	1857.6	1857.6	1855.8	1857.6	1852.1	1844.8	1839.3	1833.8	1822.8
27.5°	1813.6	1810.0	1813.6	1810.0	1813.6	1808.2	1806.4	1804.5	1797.2	1791.7	1777.1
30°	1769.8	1766.1	1769.8	1766.1	1762.4	1758.8	1749.6	1746.0	1753.3	1749.6	1725.9
32.5°	1714.8	1711.2	1714.8	1714.8	1711.2	1711.2	1696.6	1691.0	1692.9	1703.8	1681.9
35°	1658.1	1652.6	1658.1	1656.3	1658.1	1652.6	1643.4	1641.6	1634.3	1647.2	1630.7
37.5°	1592.2	1586.8	1592.2	1592.2	1592.2	1595.9	1588.6	1583.0	1572.1	1588.6	1575.8
40°	1524.6	1517.2	1524.6	1522.6	1524.6	1528.2	1524.6	1520.8	1509.9	1522.6	1511.7
42.5°	1447.7	1445.8	1447.7	1449.5	1449.5	1456.8	1462.3	1455.0	1451.3	1442.1	1449.5
45°	1365.3	1361.6	1365.3	1368.9	1370.8	1374.5	1390.9	1390.9	1385.5	1370.8	1381.7
47.5°	1277.4	1268.3	1277.4	1288.4	1288.4	1294.0	1310.4	1323.2	1314.1	1295.8	1301.2
50°	1184.1	1185.9	1184.1	1191.4	1191.4	1211.5	1224.4	1237.2	1246.3	1224.4	1198.7
52.5°	1092.6	1090.7	1092.6	1098.1	1105.4	1114.6	1136.5	1149.3	1164.0	1151.1	1110.9
55°	1001.1	1004.8	1001.1	1003.0	1006.6	1012.1	1045.0	1057.8	1085.3	1068.8	1026.7
57.5°	909.5	904.1	909.5	913.3	915.1	920.6	948.0	971.8	988.3	990.1	938.8
60°	803.4	796.1	803.4	819.9	823.6	827.2	852.9	874.8	889.4	894.9	841.9
62.5°	710.1	697.3	710.1	721.1	728.4	737.5	755.8	788.8	801.6	803.4	728.4
65°	611.3	605.8	611.3	633.2	635.0	646.0	666.2	690.0	717.4	713.8	605.8
67.5°	521.6	521.6	521.6	536.2	547.2	552.7	578.3	589.4	624.1	627.7	505.1
70°	439.3	437.4	439.3	450.2	457.5	470.4	494.1	506.9	534.4	543.6	410.0
72.5°	360.6	358.7	360.6	369.7	377.0	388.0	408.2	422.8	446.5	457.5	318.5
75°	291.0	287.4	291.0	298.3	296.5	311.1	327.6	342.2	364.2	371.5	236.1
77.5°	223.3	223.3	223.3	230.6	230.6	245.2	252.6	270.9	283.7	294.6	173.8
80°	166.6	164.7	166.6	168.4	168.4	175.7	188.5	201.3	212.3	212.3	119.0
82.5°	117.2	113.4	117.2	117.2	117.2	120.8	128.1	131.8	139.1	144.5	75.0
85°	73.2	73.2	73.2	75.0	73.2	76.9	78.7	82.3	82.3	78.7	45.8
87.5°	47.6	45.8	47.6	45.8	45.8	43.9	43.9	43.9	42.1	40.3	25.7
90°	53.7	53.7	53.7	53.7	53.7	71.6	95.4	107.3	92.2	62.1	39.6
92.5°	215.0	172.4	215.0	257.8	268.4	380.5	530.0	604.7	531.0	383.4	272.7
95°	749.6	620.3	749.6	879.0	911.4	1196.7	1577.2	1767.5	1492.8	943.3	531.2
97.5°	1796.1	1549.9	1796.1	2042.2	2103.8	2284.2	2524.7	2645.0	2186.9	1270.7	583.5
100°	2587.8	2294.6	2587.8	2881.1	2954.4	2941.2	2923.7	2914.8	2406.5	1389.8	627.4
102.5°	3366.7	3115.5	3366.7	3617.9	3680.7	3450.8	3144.3	2991.2	2475.6	1444.5	671.1
105°	4359.6	4224.6	4359.6	4494.6	4528.4	4013.1	3326.1	2982.6	2483.4	1485.0	736.2
107.5°	5010.0	5042.7	5010.0	4977.4	4969.2	4250.5	3292.2	2813.1	2373.0	1492.5	832.2
110°	5258.1	5398.7	5258.1	5117.4	5082.2	4278.8	3207.5	2671.8	2274.9	1481.2	885.9





TEST NUMBER: P935428

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5280.2	5496.2	5280.2	5064.2	5010.2	4187.9	3091.5	2543.3	2189.4	1481.6	950.8
115°	5140.2	5439.7	5140.2	4840.6	4765.8	3973.6	2917.4	2389.3	2091.3	1495.4	1048.4
117.5°	4843.3	5175.5	4843.3	4511.1	4428.0	3713.1	2759.9	2283.3	2029.9	1523.1	1143.0
120°	4604.0	4926.8	4604.0	4281.3	4200.6	3547.4	2676.4	2240.9	2009.2	1545.7	1198.2
122.5°	4371.1	4689.5	4371.1	4052.7	3973.1	3384.9	2600.6	2208.4	1998.4	1578.2	1263.1
125°	4038.7	4332.0	4038.7	3745.4	3672.1	3172.5	2506.1	2173.0	1989.4	1622.1	1346.5
127.5°	3739.8	3987.2	3739.8	3492.4	3430.5	3001.4	2429.4	2143.4	1984.2	1665.8	1427.0
130°	3563.7	3792.3	3563.7	3335.1	3278.0	2896.0	2386.7	2132.1	1987.4	1697.8	1480.7
132.5°	3403.9	3608.5	3403.9	3199.2	3148.0	2806.0	2350.1	2122.2	1989.4	1723.8	1524.6
135°	3184.8	3361.3	3184.8	3008.4	2964.3	2678.0	2296.2	2105.3	1987.6	1752.1	1575.4
137.5°	3009.2	3153.6	3009.2	2864.7	2828.6	2586.6	2263.8	2102.4	1999.7	1794.3	1640.3
140°	2888.6	3023.6	2888.6	2753.6	2719.8	2510.7	2231.9	2092.5	2001.7	1820.3	1684.2
142.5°	2788.8	2904.9	2788.8	2672.6	2643.6	2459.9	2215.0	2092.5	2009.0	1841.9	1716.7
145°	2638.9	2726.9	2638.9	2551.1	2529.1	2378.9	2178.6	2078.4	2009.0	1870.2	1766.2
147.5°	2524.1	2596.9	2524.1	2451.2	2433.0	2314.8	2157.2	2078.4	2022.9	1911.7	1828.3
150°	2451.7	2510.8	2451.7	2392.6	2377.9	2278.1	2145.0	2078.4	2030.0	1933.3	1860.8
152.5°	2389.9	2434.5	2389.9	2345.3	2334.1	2248.9	2135.3	2078.4	2034.8	1947.5	1882.0
155°	2318.8	2348.2	2318.8	2289.2	2281.8	2214.1	2123.6	2078.4	2045.1	1978.6	1928.6
157.5°	2262.5	2283.3	2262.5	2241.8	2236.6	2183.9	2113.5	2078.4	2055.5	2009.7	1975.3
160°	2229.0	2240.9	2229.0	2217.1	2214.1	2168.8	2108.5	2078.4	2060.2	2023.8	1996.5
162.5°	2207.0	2218.2	2207.0	2195.7	2192.9	2154.7	2103.9	2078.4	2065.2	2038.9	2019.0
165°	2175.2	2187.2	2175.2	2163.3	2160.3	2133.0	2096.6	2078.4	2072.4	2060.5	2051.5
167.5°	2152.5	2157.5	2152.5	2147.5	2146.2	2128.3	2104.4	2092.5	2087.5	2077.4	2069.9
170°	2146.2	2146.2	2146.2	2146.2	2146.2	2128.3	2104.4	2092.5	2092.2	2091.5	2091.1
172.5°	2129.4	2125.0	2129.4	2133.8	2134.9	2120.8	2102.0	2092.5	2092.5	2092.5	2092.5
175°	2119.4	2119.4	2119.4	2119.4	2119.4	2110.4	2098.5	2092.5	2095.3	2101.0	2105.3
177.5°	2110.3	2105.3	2110.3	2115.3	2116.5	2109.4	2100.1	2095.3	2097.5	2102.0	2105.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



TEST NUMBER: P935428

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1961.9	1950.9	1950.9	1932.6	1925.3	1919.8	1910.7	1883.2	1875.9	1868.6	1879.6
5°	1978.4	1958.3	1943.6	1910.7	1883.2	1872.2	1837.5	1771.6	1727.7	1694.7	1676.5
7.5°	1982.0	1956.4	1929.0	1877.8	1811.8	1782.5	1676.5	1555.7	1522.6	1493.4	1475.1
10°	1978.4	1949.1	1910.7	1833.8	1678.3	1627.0	1520.8	1442.1	1422.0	1416.6	1422.0
12.5°	1965.5	1938.2	1885.0	1757.0	1539.2	1504.4	1442.1	1396.4	1392.7	1401.9	1451.3
15°	1943.6	1918.0	1855.8	1654.4	1462.3	1436.7	1392.7	1376.3	1396.4	1460.4	1608.7
17.5°	1921.7	1892.4	1815.5	1553.8	1403.8	1385.5	1354.3	1387.3	1500.7	1586.8	1636.2
20°	1892.4	1857.6	1769.8	1480.6	1361.6	1345.2	1330.5	1478.8	1564.8	1595.9	1623.3
22.5°	1857.6	1821.0	1707.6	1429.3	1317.7	1304.9	1314.1	1530.0	1564.8	1586.8	1610.5
25°	1811.8	1780.7	1634.3	1389.1	1283.0	1268.3	1303.1	1524.6	1544.7	1550.1	1597.7
27.5°	1769.8	1729.5	1557.5	1352.4	1240.8	1235.4	1312.2	1500.7	1515.4	1520.8	1572.1
30°	1718.5	1658.1	1471.4	1314.1	1196.9	1195.1	1314.1	1471.4	1467.8	1482.4	1533.6
32.5°	1665.5	1551.9	1374.5	1266.5	1154.8	1153.0	1301.2	1427.5	1423.9	1444.0	1482.4
35°	1616.1	1469.6	1242.7	1211.5	1101.8	1103.6	1270.1	1376.3	1378.1	1396.4	1420.2
37.5°	1564.8	1398.2	1098.1	1151.1	1050.5	1050.5	1228.0	1328.7	1325.1	1330.5	1363.5
40°	1504.4	1286.6	969.9	1072.5	1003.0	997.4	1176.8	1277.4	1264.7	1262.8	1308.5
42.5°	1440.3	1164.0	874.8	968.1	948.0	940.7	1114.6	1215.2	1191.4	1196.9	1255.5
45°	1370.8	1131.0	801.6	818.0	891.3	885.8	1046.8	1143.9	1127.4	1142.0	1202.4
47.5°	1301.2	1065.2	777.8	679.0	830.9	829.0	971.8	1074.3	1065.2	1079.8	1143.9
50°	1206.1	992.0	776.0	582.0	763.2	770.5	882.2	1006.6	1006.6	1019.4	1087.1
52.5°	1083.5	902.3	704.6	527.0	684.5	706.4	803.4	948.0	951.7	964.5	1024.9
55°	971.8	808.9	653.4	485.0	591.2	638.7	726.5	887.6	894.9	907.7	962.7
57.5°	869.3	673.5	642.4	435.5	505.1	550.9	658.9	829.0	832.7	843.7	896.8
60°	759.5	486.8	589.4	382.5	430.1	464.8	596.6	759.5	772.3	779.6	825.4
62.5°	635.0	353.2	534.4	345.9	393.5	400.8	545.4	693.6	710.1	715.6	743.1
65°	452.1	296.5	453.9	314.8	355.0	356.9	490.5	625.9	640.6	649.7	669.9
67.5°	305.6	241.6	345.9	285.5	325.7	327.6	437.4	547.2	567.3	574.7	587.4
70°	212.3	161.1	256.2	254.4	292.8	296.5	380.7	475.8	494.1	499.7	506.9
72.5°	155.5	129.9	212.3	228.8	258.1	261.7	322.1	395.3	413.6	419.1	422.8
75°	119.0	137.3	172.0	199.5	219.6	221.4	263.5	322.1	334.9	338.6	340.4
77.5°	95.1	128.1	126.3	161.1	179.4	175.7	206.9	248.9	259.9	259.9	259.9
80°	71.4	100.7	95.1	115.3	131.8	128.1	148.3	177.6	181.2	184.8	183.0
82.5°	53.0	64.0	64.0	73.2	87.9	84.2	98.8	115.3	115.3	115.3	119.0
85°	32.9	36.6	29.3	38.5	49.4	47.6	54.9	62.2	64.0	64.0	60.4
87.5°	20.1	16.5	9.2	14.6	21.9	21.9	25.7	27.5	25.7	25.7	25.7
90°	36.7	25.4	14.1	25.4	36.7	39.6	62.1	92.2	107.3	95.4	71.6
92.5°	248.7	152.5	56.5	152.5	248.7	272.7	383.4	531.0	604.7	530.0	380.5
95°	487.3	311.5	135.6	311.5	487.3	531.2	943.3	1492.8	1767.5	1577.2	1196.7
97.5°	544.8	389.6	234.5	389.6	544.8	583.5	1270.7	2186.9	2645.0	2524.7	2284.2
100°	592.2	451.5	310.8	451.5	592.2	627.4	1389.8	2406.5	2914.8	2923.7	2941.2
102.5°	638.3	507.1	375.9	507.1	638.3	671.1	1444.5	2475.6	2991.2	3144.3	3450.8
105°	708.3	597.2	486.0	597.2	708.3	736.2	1485.0	2483.4	2982.6	3326.1	4013.1
107.5°	806.3	702.7	599.1	702.7	806.3	832.2	1492.5	2373.0	2813.1	3292.2	4250.5
110°	862.5	768.9	675.4	768.9	862.5	885.9	1481.2	2274.9	2671.8	3207.5	4278.8



TEST NUMBER: P935428

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	928.6	839.4	750.3	839.4	928.6	950.8	1481.6	2189.4	2543.3	3091.5	4187.9
115°	1027.8	945.5	863.2	945.5	1027.8	1048.4	1495.4	2091.3	2389.3	2917.4	3973.6
117.5°	1124.4	1049.6	974.9	1049.6	1124.4	1143.0	1523.1	2029.9	2283.3	2759.9	3713.1
120°	1180.6	1110.2	1039.9	1110.2	1180.6	1198.2	1545.7	2009.2	2240.9	2676.4	3547.4
122.5°	1245.4	1174.4	1103.5	1174.4	1245.4	1263.1	1578.2	1998.4	2208.4	2600.6	3384.9
125°	1330.3	1265.7	1201.0	1265.7	1330.3	1346.5	1622.1	1989.4	2173.0	2506.1	3172.5
127.5°	1410.8	1345.4	1280.1	1345.4	1410.8	1427.0	1665.8	1984.2	2143.4	2429.4	3001.4
130°	1463.2	1392.8	1322.5	1392.8	1463.2	1480.7	1697.8	1987.4	2132.1	2386.7	2896.0
132.5°	1507.0	1436.6	1366.3	1436.6	1507.0	1524.6	1723.8	1989.4	2122.2	2350.1	2806.0
135°	1559.4	1495.4	1431.3	1495.4	1559.4	1575.4	1752.1	1987.6	2105.3	2296.2	2678.0
137.5°	1624.5	1561.1	1497.7	1561.1	1624.5	1640.3	1794.3	1999.7	2102.4	2263.8	2586.6
140°	1669.5	1611.1	1552.8	1611.1	1669.5	1684.2	1820.3	2001.7	2092.5	2231.9	2510.7
142.5°	1703.2	1649.2	1595.1	1649.2	1703.2	1716.7	1841.9	2009.0	2092.5	2215.0	2459.9
145°	1754.4	1707.3	1660.2	1707.3	1754.4	1766.2	1870.2	2009.0	2078.4	2178.6	2378.9
147.5°	1816.8	1771.0	1725.1	1771.0	1816.8	1828.3	1911.7	2022.9	2078.4	2157.2	2314.8
150°	1850.5	1809.0	1767.5	1809.0	1850.5	1860.8	1933.3	2030.0	2078.4	2145.0	2278.1
152.5°	1874.2	1842.7	1811.4	1842.7	1874.2	1882.0	1947.5	2034.8	2078.4	2135.3	2248.9
155°	1922.8	1899.6	1876.3	1899.6	1922.8	1928.6	1978.6	2045.1	2078.4	2123.6	2214.1
157.5°	1969.6	1947.0	1924.4	1947.0	1969.6	1975.3	2009.7	2055.5	2078.4	2113.5	2183.9
160°	1992.1	1974.5	1956.9	1974.5	1992.1	1996.5	2023.8	2060.2	2078.4	2108.5	2168.8
162.5°	2015.8	2002.6	1989.4	2002.6	2015.8	2019.0	2038.9	2065.2	2078.4	2103.9	2154.7
165°	2048.5	2036.6	2024.7	2036.6	2048.5	2051.5	2060.5	2072.4	2078.4	2096.6	2133.0
167.5°	2068.5	2062.9	2057.2	2062.9	2068.5	2069.9	2077.4	2087.5	2092.5	2104.4	2128.3
170°	2089.7	2084.1	2078.4	2084.1	2089.7	2091.1	2091.5	2092.2	2092.5	2104.4	2128.3
172.5°	2092.3	2091.0	2089.7	2091.0	2092.3	2092.5	2092.5	2092.5	2092.5	2102.0	2120.8
175°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2101.0	2095.3	2092.5	2098.5	2110.4
177.5°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2102.0	2097.5	2095.3	2100.1	2109.4
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



TEST NUMBER: P935428  
 CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1866.8	1861.3	1868.6	1848.5	1868.6	1861.3	1866.8	1879.6	1868.6	1875.9	1883.2
5°	1638.0	1628.8	1599.6	1575.8	1599.6	1628.8	1638.0	1676.5	1694.7	1727.7	1771.6
7.5°	1464.2	1456.8	1449.5	1434.9	1449.5	1456.8	1464.2	1475.1	1493.4	1522.6	1555.7
10°	1425.7	1427.5	1438.5	1436.7	1438.5	1427.5	1425.7	1422.0	1416.6	1422.0	1442.1
12.5°	1524.6	1541.0	1601.4	1597.7	1601.4	1541.0	1524.6	1451.3	1401.9	1392.7	1396.4
15°	1638.0	1643.4	1656.3	1658.1	1656.3	1643.4	1638.0	1608.7	1460.4	1396.4	1376.3
17.5°	1649.0	1650.8	1659.9	1659.9	1659.9	1650.8	1649.0	1636.2	1586.8	1500.7	1387.3
20°	1639.8	1643.4	1661.8	1665.5	1661.8	1643.4	1639.8	1623.3	1595.9	1564.8	1478.8
22.5°	1636.2	1643.4	1658.1	1656.3	1658.1	1643.4	1636.2	1610.5	1586.8	1564.8	1530.0
25°	1617.9	1617.9	1619.7	1621.5	1619.7	1617.9	1617.9	1597.7	1550.1	1544.7	1524.6
27.5°	1579.4	1583.0	1594.0	1592.2	1594.0	1583.0	1579.4	1572.1	1520.8	1515.4	1500.7
30°	1544.7	1541.0	1531.8	1524.6	1531.8	1541.0	1544.7	1533.6	1482.4	1467.8	1471.4
32.5°	1486.1	1476.9	1467.8	1462.3	1467.8	1476.9	1486.1	1482.4	1444.0	1423.9	1427.5
35°	1416.6	1418.4	1416.6	1411.0	1416.6	1418.4	1416.6	1420.2	1396.4	1378.1	1376.3
37.5°	1367.1	1370.8	1368.9	1361.6	1368.9	1370.8	1367.1	1363.5	1330.5	1325.1	1328.7
40°	1315.9	1317.7	1315.9	1310.4	1315.9	1317.7	1315.9	1308.5	1262.8	1264.7	1277.4
42.5°	1266.5	1264.7	1259.1	1255.5	1259.1	1264.7	1266.5	1255.5	1196.9	1191.4	1215.2
45°	1209.7	1211.5	1200.5	1195.1	1200.5	1211.5	1209.7	1202.4	1142.0	1127.4	1143.9
47.5°	1153.0	1153.0	1143.9	1138.3	1143.9	1153.0	1153.0	1143.9	1079.8	1065.2	1074.3
50°	1092.6	1090.7	1077.9	1076.1	1077.9	1090.7	1092.6	1087.1	1019.4	1006.6	1006.6
52.5°	1023.1	1023.1	1024.9	1028.5	1024.9	1023.1	1023.1	1024.9	964.5	951.7	948.0
55°	962.7	964.5	977.3	981.0	977.3	964.5	962.7	962.7	907.7	894.9	887.6
57.5°	900.4	900.4	909.5	909.5	909.5	900.4	900.4	896.8	843.7	832.7	829.0
60°	829.0	832.7	840.0	838.2	840.0	832.7	829.0	825.4	779.6	772.3	759.5
62.5°	754.0	757.7	759.5	755.8	759.5	757.7	754.0	743.1	715.6	710.1	693.6
65°	675.3	679.0	680.8	677.1	680.8	679.0	675.3	669.9	649.7	640.6	625.9
67.5°	594.8	593.0	591.2	598.5	591.2	593.0	594.8	587.4	574.7	567.3	547.2
70°	512.4	512.4	510.6	514.3	510.6	512.4	512.4	506.9	499.7	494.1	475.8
72.5°	424.6	422.8	430.1	424.6	430.1	422.8	424.6	422.8	419.1	413.6	395.3
75°	338.6	342.2	338.6	344.0	338.6	342.2	338.6	340.4	338.6	334.9	322.1
77.5°	258.1	261.7	258.1	258.1	258.1	261.7	258.1	259.9	259.9	259.9	248.9
80°	183.0	181.2	181.2	179.4	181.2	181.2	183.0	183.0	184.8	181.2	177.6
82.5°	117.2	115.3	115.3	119.0	115.3	115.3	117.2	119.0	115.3	115.3	115.3
85°	64.0	65.9	62.2	62.2	62.2	65.9	64.0	60.4	64.0	64.0	62.2
87.5°	23.8	21.9	21.9	21.9	21.9	21.9	23.8	25.7	25.7	25.7	27.5
90°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	71.6	95.4	107.3	92.2
92.5°	268.4	257.8	215.0	172.4	215.0	257.8	268.4	380.5	530.0	604.7	531.0
95°	911.4	879.0	749.6	620.3	749.6	879.0	911.4	1196.7	1577.2	1767.5	1492.8
97.5°	2103.8	2042.2	1796.1	1549.9	1796.1	2042.2	2103.8	2284.2	2524.7	2645.0	2186.9
100°	2954.4	2881.1	2587.8	2294.6	2587.8	2881.1	2954.4	2941.2	2923.7	2914.8	2406.5
102.5°	3680.7	3617.9	3366.7	3115.5	3366.7	3617.9	3680.7	3450.8	3144.3	2991.2	2475.6
105°	4528.4	4494.6	4359.6	4224.6	4359.6	4494.6	4528.4	4013.1	3326.1	2982.6	2483.4
107.5°	4969.2	4977.4	5010.0	5042.7	5010.0	4977.4	4969.2	4250.5	3292.2	2813.1	2373.0
110°	5082.2	5117.4	5258.1	5398.7	5258.1	5117.4	5082.2	4278.8	3207.5	2671.8	2274.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5010.2	5064.2	5280.2	5496.2	5280.2	5064.2	5010.2	4187.9	3091.5	2543.3	2189.4
115°	4765.8	4840.6	5140.2	5439.7	5140.2	4840.6	4765.8	3973.6	2917.4	2389.3	2091.3
117.5°	4428.0	4511.1	4843.3	5175.5	4843.3	4511.1	4428.0	3713.1	2759.9	2283.3	2029.9
120°	4200.6	4281.3	4604.0	4926.8	4604.0	4281.3	4200.6	3547.4	2676.4	2240.9	2009.2
122.5°	3973.1	4052.7	4371.1	4689.5	4371.1	4052.7	3973.1	3384.9	2600.6	2208.4	1998.4
125°	3672.1	3745.4	4038.7	4332.0	4038.7	3745.4	3672.1	3172.5	2506.1	2173.0	1989.4
127.5°	3430.5	3492.4	3739.8	3987.2	3739.8	3492.4	3430.5	3001.4	2429.4	2143.4	1984.2
130°	3278.0	3335.1	3563.7	3792.3	3563.7	3335.1	3278.0	2896.0	2386.7	2132.1	1987.4
132.5°	3148.0	3199.2	3403.9	3608.5	3403.9	3199.2	3148.0	2806.0	2350.1	2122.2	1989.4
135°	2964.3	3008.4	3184.8	3361.3	3184.8	3008.4	2964.3	2678.0	2296.2	2105.3	1987.6
137.5°	2828.6	2864.7	3009.2	3153.6	3009.2	2864.7	2828.6	2586.6	2263.8	2102.4	1999.7
140°	2719.8	2753.6	2888.6	3023.6	2888.6	2753.6	2719.8	2510.7	2231.9	2092.5	2001.7
142.5°	2643.6	2672.6	2788.8	2904.9	2788.8	2672.6	2643.6	2459.9	2215.0	2092.5	2009.0
145°	2529.1	2551.1	2638.9	2726.9	2638.9	2551.1	2529.1	2378.9	2178.6	2078.4	2009.0
147.5°	2433.0	2451.2	2524.1	2596.9	2524.1	2451.2	2433.0	2314.8	2157.2	2078.4	2022.9
150°	2377.9	2392.6	2451.7	2510.8	2451.7	2392.6	2377.9	2278.1	2145.0	2078.4	2030.0
152.5°	2334.1	2345.3	2389.9	2434.5	2389.9	2345.3	2334.1	2248.9	2135.3	2078.4	2034.8
155°	2281.8	2289.2	2318.8	2348.2	2318.8	2289.2	2281.8	2214.1	2123.6	2078.4	2045.1
157.5°	2236.6	2241.8	2262.5	2283.3	2262.5	2241.8	2236.6	2183.9	2113.5	2078.4	2055.5
160°	2214.1	2217.1	2229.0	2240.9	2229.0	2217.1	2214.1	2168.8	2108.5	2078.4	2060.2
162.5°	2192.9	2195.7	2207.0	2218.2	2207.0	2195.7	2192.9	2154.7	2103.9	2078.4	2065.2
165°	2160.3	2163.3	2175.2	2187.2	2175.2	2163.3	2160.3	2133.0	2096.6	2078.4	2072.4
167.5°	2146.2	2147.5	2152.5	2157.5	2152.5	2147.5	2146.2	2128.3	2104.4	2092.5	2087.5
170°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2128.3	2104.4	2092.5	2092.2
172.5°	2134.9	2133.8	2129.4	2125.0	2129.4	2133.8	2134.9	2120.8	2102.0	2092.5	2092.5
175°	2119.4	2119.4	2119.4	2119.4	2119.4	2119.4	2119.4	2110.4	2098.5	2092.5	2095.3
177.5°	2116.5	2115.3	2110.3	2105.3	2110.3	2115.3	2116.5	2109.4	2100.1	2095.3	2097.5
180°	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3	2105.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1910.7	1919.8	1925.3	1932.6	1950.9
5°	1837.5	1872.2	1883.2	1910.7	1943.6
7.5°	1676.5	1782.5	1811.8	1877.8	1929.0
10°	1520.8	1627.0	1678.3	1833.8	1910.7
12.5°	1442.1	1504.4	1539.2	1757.0	1885.0
15°	1392.7	1436.7	1462.3	1654.4	1855.8
17.5°	1354.3	1385.5	1403.8	1553.8	1815.5
20°	1330.5	1345.2	1361.6	1480.6	1769.8
22.5°	1314.1	1304.9	1317.7	1429.3	1707.6
25°	1303.1	1268.3	1283.0	1389.1	1634.3
27.5°	1312.2	1235.4	1240.8	1352.4	1557.5
30°	1314.1	1195.1	1196.9	1314.1	1471.4
32.5°	1301.2	1153.0	1154.8	1266.5	1374.5
35°	1270.1	1103.6	1101.8	1211.5	1242.7
37.5°	1228.0	1050.5	1050.5	1151.1	1098.1
40°	1176.8	997.4	1003.0	1072.5	969.9
42.5°	1114.6	940.7	948.0	968.1	874.8
45°	1046.8	885.8	891.3	818.0	801.6
47.5°	971.8	829.0	830.9	679.0	777.8
50°	882.2	770.5	763.2	582.0	776.0
52.5°	803.4	706.4	684.5	527.0	704.6
55°	726.5	638.7	591.2	485.0	653.4
57.5°	658.9	550.9	505.1	435.5	642.4
60°	596.6	464.8	430.1	382.5	589.4
62.5°	545.4	400.8	393.5	345.9	534.4
65°	490.5	356.9	355.0	314.8	453.9
67.5°	437.4	327.6	325.7	285.5	345.9
70°	380.7	296.5	292.8	254.4	256.2
72.5°	322.1	261.7	258.1	228.8	212.3
75°	263.5	221.4	219.6	199.5	172.0
77.5°	206.9	175.7	179.4	161.1	126.3
80°	148.3	128.1	131.8	115.3	95.1
82.5°	98.8	84.2	87.9	73.2	64.0
85°	54.9	47.6	49.4	38.5	29.3
87.5°	25.7	21.9	21.9	14.6	9.2
90°	62.1	39.6	36.7	25.4	14.1
92.5°	383.4	272.7	248.7	152.5	56.5
95°	943.3	531.2	487.3	311.5	135.6
97.5°	1270.7	583.5	544.8	389.6	234.5
100°	1389.8	627.4	592.2	451.5	310.8
102.5°	1444.5	671.1	638.3	507.1	375.9
105°	1485.0	736.2	708.3	597.2	486.0
107.5°	1492.5	832.2	806.3	702.7	599.1
110°	1481.2	885.9	862.5	768.9	675.4



TEST NUMBER: P935428

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1481.6	950.8	928.6	839.4	750.3
115°	1495.4	1048.4	1027.8	945.5	863.2
117.5°	1523.1	1143.0	1124.4	1049.6	974.9
120°	1545.7	1198.2	1180.6	1110.2	1039.9
122.5°	1578.2	1263.1	1245.4	1174.4	1103.5
125°	1622.1	1346.5	1330.3	1265.7	1201.0
127.5°	1665.8	1427.0	1410.8	1345.4	1280.1
130°	1697.8	1480.7	1463.2	1392.8	1322.5
132.5°	1723.8	1524.6	1507.0	1436.6	1366.3
135°	1752.1	1575.4	1559.4	1495.4	1431.3
137.5°	1794.3	1640.3	1624.5	1561.1	1497.7
140°	1820.3	1684.2	1669.5	1611.1	1552.8
142.5°	1841.9	1716.7	1703.2	1649.2	1595.1
145°	1870.2	1766.2	1754.4	1707.3	1660.2
147.5°	1911.7	1828.3	1816.8	1771.0	1725.1
150°	1933.3	1860.8	1850.5	1809.0	1767.5
152.5°	1947.5	1882.0	1874.2	1842.7	1811.4
155°	1978.6	1928.6	1922.8	1899.6	1876.3
157.5°	2009.7	1975.3	1969.6	1947.0	1924.4
160°	2023.8	1996.5	1992.1	1974.5	1956.9
162.5°	2038.9	2019.0	2015.8	2002.6	1989.4
165°	2060.5	2051.5	2048.5	2036.6	2024.7
167.5°	2077.4	2069.9	2068.5	2062.9	2057.2
170°	2091.5	2091.1	2089.7	2084.1	2078.4
172.5°	2092.5	2092.5	2092.3	2091.0	2089.7
175°	2101.0	2105.3	2105.3	2105.3	2105.3
177.5°	2102.0	2105.3	2105.3	2105.3	2105.3
180°	2105.3	2105.3	2105.3	2105.3	2105.3



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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	8.37	9.06	9.51	10.18	11.75	11.22	11.91	12.36	13.03	14.60
	3H	8.84	9.45	9.98	10.58	12.16	12.56	13.18	13.70	14.31	15.89
	4H	9.02	9.60	10.17	10.73	12.32	13.00	13.59	14.15	14.72	16.31
	6H	9.13	9.66	10.29	10.80	12.40	13.28	13.82	14.44	14.96	16.55
	8H	9.12	9.63	10.28	10.78	12.38	13.36	13.87	14.52	15.02	16.61
	12H	9.09	9.57	10.25	10.72	12.33	13.39	13.88	14.56	15.02	16.63
4H	2H	9.39	9.97	10.55	11.10	12.69	11.61	12.19	12.77	13.33	14.91
	3H	10.40	10.88	11.56	12.04	13.64	13.11	13.59	14.27	14.75	16.35
	4H	10.67	11.11	11.83	12.26	13.88	13.63	14.08	14.80	15.23	16.84
	6H	10.78	11.16	11.95	12.33	13.94	13.99	14.37	15.16	15.54	17.15
	8H	10.78	11.14	11.95	12.30	13.93	14.10	14.45	15.27	15.62	17.24
	12H	10.74	11.07	11.93	12.24	13.87	14.15	14.47	15.33	15.65	17.28
8H	4H	11.11	11.47	12.28	12.63	14.25	13.74	14.10	14.91	15.26	16.88
	6H	11.36	11.66	12.55	12.86	14.48	14.17	14.47	15.36	15.67	17.30
	8H	11.40	11.66	12.60	12.84	14.49	14.33	14.59	15.52	15.77	17.41
	12H	11.38	11.61	12.58	12.79	14.46	14.42	14.65	15.62	15.83	17.50
12H	4H	11.11	11.43	12.29	12.60	14.24	13.70	14.02	14.88	15.19	16.82
	6H	11.42	11.68	12.62	12.86	14.51	14.17	14.43	15.37	15.61	17.25
	8H	11.48	11.71	12.68	12.89	14.56	14.33	14.55	15.53	15.73	17.41