

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: P935456

Luminaire Tested: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935456
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-93050-1D-UNV-STD-W-12-500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

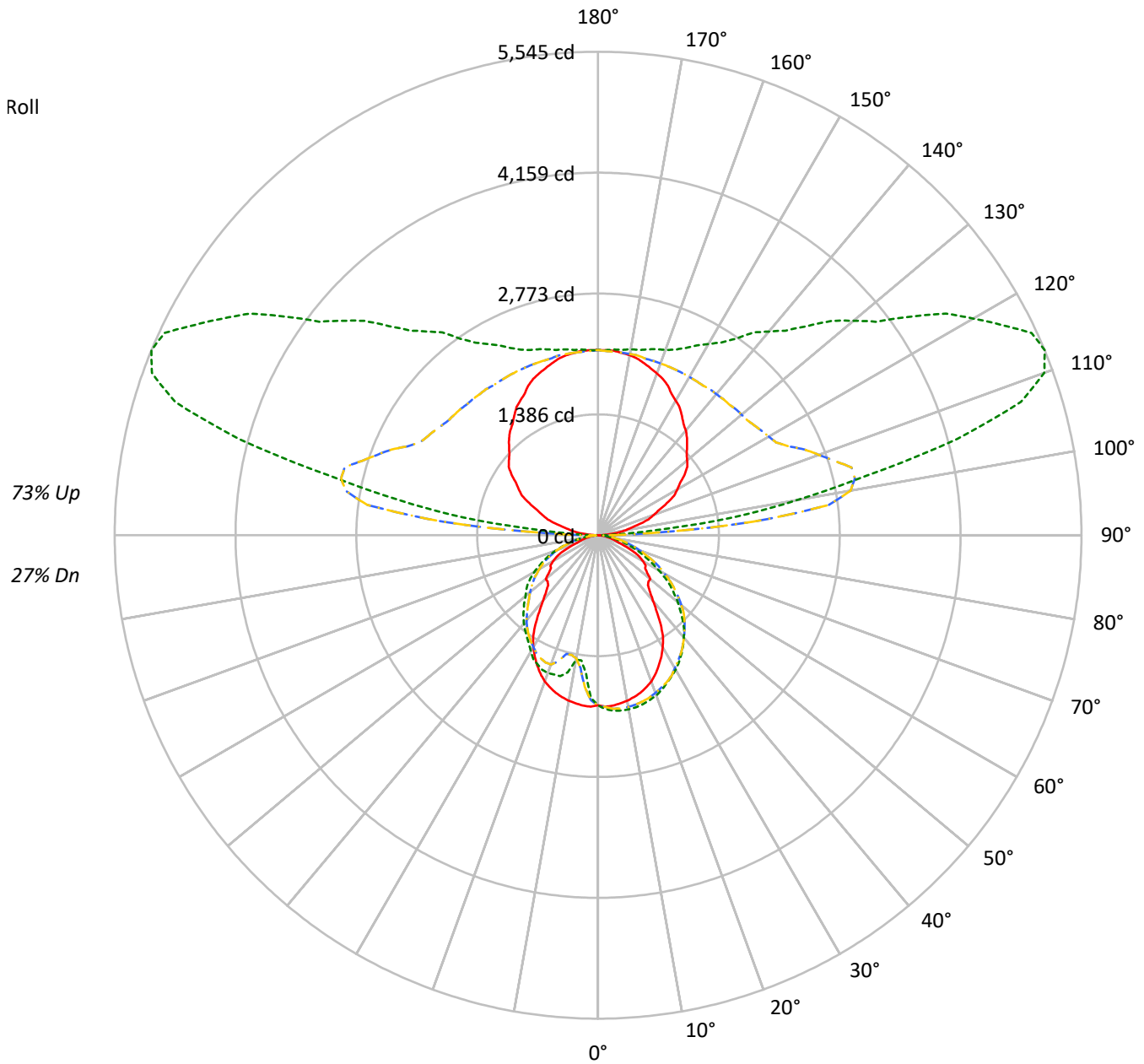
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18836.6 lumens
Efficiency: N/A
Efficacy: 131.9 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				
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23				
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19				
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14				
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10				
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9				
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8				
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7				
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6036	6036	6036	6036
5°	6084	6094	6084	4791
10°	6045	6002	6045	4291
15°	5982	5872	5982	4904
20°	5859	5718	5859	4914
25°	5605	5494	5605	4810
30°	5277	5307	5277	4581
35°	4706	5071	4706	4330
40°	3923	4793	3923	4140
45°	3508	4468	3508	3922
50°	3730	4080	3730	3702
55°	3513	3663	3513	3576
60°	3626	3111	3626	3275
65°	3292	2572	3292	2874
70°	2285	2049	2285	2410
75°	2011	1515	2011	1814
80°	1633	1002	1633	1091
85°	956	531	956	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5374 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	0.9
10°-20°	500.2	2.7
20°-30°	773.2	4.1
30°-40°	923.0	4.9
40°-50°	928.4	4.9
50°-60°	807.9	4.3
60°-70°	572.8	3.0
70°-80°	303.0	1.6
80°-90°	83.6	0.4
90°-100°	1035.3	5.5
100°-110°	2721.8	14.4
110°-120°	2822.2	15.0
120°-130°	2263.8	12.0
130°-140°	1776.3	9.4
140°-150°	1363.4	7.2
150°-160°	981.9	5.2
160°-170°	600.7	3.2
170°-180°	203.0	1.1
0°-30°	1449.5	7.7
0°-40°	2372.6	12.6
0°-60°	4108.9	21.8
0°-90°	5068.3	26.9
90°-120°	6579.4	34.9
90°-150°	11982.8	63.6
90°-180°	13768.0	73.1
0°-180°	18836.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1952	1952	1952	1952	1952	
5°	1961	2022	1961	1590	1961	186
15°	1872	2003	1872	1673	1872	527
25°	1649	1868	1649	1636	1649	757
35°	1254	1667	1254	1424	1254	776
45°	809	1374	809	1206	809	648
55°	659	1014	659	990	659	606
65°	458	611	458	683	458	438
75°	174	290	174	347	174	182
85°	30	74	30	63	30	40
90°	14	54	14	54	14	13
95°	137	626	137	626	137	152
105°	490	4262	490	4262	490	520
115°	871	5488	871	5488	871	860
125°	1212	4370	1212	4370	1212	1076
135°	1444	3391	1444	3391	1444	1117
145°	1675	2751	1675	2751	1675	1049
155°	1893	2369	1893	2369	1893	870
165°	2043	2207	2043	2207	2043	576
175°	2124	2138	2124	2138	2124	202
180°	2124	2124	2124	2124	2124	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1968.2	1968.2	1979.3	1983.0	1983.0	1977.4	1971.9	1977.4	1994.1	1999.6	1997.7
5°	1960.8	1975.6	1995.9	1999.6	2003.3	2001.5	1997.7	2001.5	2019.9	2023.6	2025.4
7.5°	1946.1	1973.8	1999.6	2005.2	2010.7	2005.2	2003.3	2007.0	2025.4	2029.1	2029.1
10°	1927.6	1966.3	1995.9	1999.6	2005.2	1999.6	1999.6	2007.0	2025.4	2029.1	2031.0
12.5°	1901.7	1955.3	1983.0	1986.7	1994.1	1992.2	1990.4	1997.7	2016.3	2019.9	2019.9
15°	1872.2	1935.0	1960.8	1964.5	1977.4	1973.8	1973.8	1981.1	2001.5	2007.0	2005.2
17.5°	1831.6	1909.2	1938.7	1944.2	1953.5	1951.6	1953.5	1960.8	1979.3	1983.0	1984.9
20°	1785.5	1874.0	1909.2	1914.7	1923.9	1923.9	1923.9	1933.1	1951.6	1959.0	1959.0
22.5°	1722.7	1837.1	1874.0	1877.8	1888.8	1888.8	1892.6	1905.4	1922.0	1923.9	1923.9
25°	1648.8	1796.5	1827.9	1839.0	1850.1	1855.6	1861.2	1868.5	1874.0	1872.2	1874.0
27.5°	1571.3	1744.8	1785.5	1792.8	1807.6	1813.1	1820.5	1822.4	1824.2	1829.7	1826.0
30°	1484.5	1672.8	1733.7	1741.1	1765.1	1768.9	1761.4	1765.1	1774.4	1778.0	1781.7
32.5°	1386.6	1565.7	1680.2	1696.8	1718.9	1707.9	1706.0	1711.6	1726.4	1726.4	1730.0
35°	1253.7	1482.6	1630.4	1645.2	1661.8	1648.8	1656.2	1658.0	1667.3	1672.8	1670.9
37.5°	1107.8	1410.6	1578.6	1589.7	1602.7	1586.1	1597.1	1602.7	1610.0	1606.3	1606.3
40°	978.5	1298.0	1517.7	1525.1	1536.1	1523.3	1534.3	1538.1	1541.7	1538.1	1536.1
42.5°	882.5	1174.3	1453.1	1462.3	1454.9	1464.2	1467.9	1475.3	1469.7	1462.3	1462.3
45°	808.7	1141.1	1383.0	1394.0	1383.0	1397.7	1403.2	1403.2	1386.6	1383.0	1381.0
47.5°	784.7	1074.6	1312.8	1312.8	1307.3	1325.7	1334.9	1322.0	1305.4	1299.8	1299.8
50°	782.9	1000.7	1216.8	1209.3	1235.2	1257.3	1248.2	1235.2	1222.3	1202.0	1202.0
52.5°	710.8	910.3	1093.1	1120.8	1161.3	1174.3	1159.5	1146.6	1124.5	1115.2	1107.8
55°	659.2	816.1	980.4	1035.8	1078.3	1094.9	1067.2	1054.2	1021.0	1015.5	1011.9
57.5°	648.1	679.5	877.0	947.2	998.9	997.1	980.4	956.4	928.7	923.2	921.4
60°	594.6	491.2	766.3	849.3	902.8	897.3	882.5	860.4	834.6	830.9	827.2
62.5°	539.1	356.3	640.6	734.9	810.5	808.7	795.8	762.5	744.1	734.9	727.5
65°	457.9	299.1	456.1	611.2	720.1	723.8	696.1	672.1	651.7	640.6	638.8
67.5°	349.0	243.7	308.3	509.6	633.3	629.6	594.6	583.5	557.6	552.1	541.0
70°	258.5	162.5	214.2	413.6	548.4	539.1	511.4	498.5	474.5	461.6	454.2
72.5°	214.2	131.0	156.9	321.3	461.6	450.5	426.5	411.8	391.4	380.4	373.0
75°	173.5	138.5	120.0	238.1	374.8	367.4	345.2	330.5	313.9	299.1	300.9
77.5°	127.4	129.2	96.0	175.4	297.2	286.2	273.3	254.8	247.4	232.6	232.6
80°	96.0	101.6	72.0	120.0	214.2	214.2	203.1	190.1	177.2	169.9	169.9
82.5°	64.6	64.6	53.5	75.7	145.8	140.3	133.0	129.2	121.9	118.2	118.2
85°	29.5	36.9	33.2	46.2	79.4	83.1	83.1	79.4	77.5	73.9	75.7
87.5°	9.3	16.6	20.3	25.9	40.7	42.5	44.3	44.3	44.3	46.2	46.2
90°	14.2	25.6	37.1	39.9	62.7	93.1	108.3	96.3	72.2	54.1	54.1
92.5°	57.0	153.9	250.9	275.1	386.8	535.7	610.1	534.6	383.9	270.8	260.1
95°	136.8	314.2	491.6	535.9	951.6	1506.0	1783.2	1591.2	1207.3	919.4	886.8
97.5°	236.6	393.0	549.6	588.7	1281.9	2206.2	2668.4	2547.1	2304.4	2122.4	2060.3
100°	313.6	455.5	597.4	632.9	1402.1	2427.9	2940.7	2949.6	2967.3	2980.6	2906.6
102.5°	379.2	511.6	643.9	677.1	1457.3	2497.5	3017.7	3172.2	3481.4	3713.3	3649.9
105°	490.3	602.5	714.6	742.7	1498.1	2505.4	3009.0	3355.6	4048.7	4568.5	4534.4
107.5°	604.4	708.9	813.4	839.6	1505.8	2394.0	2838.1	3321.4	4288.1	5013.2	5021.4
110°	681.4	775.7	870.2	893.7	1494.3	2295.1	2695.5	3235.9	4316.7	5127.3	5162.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	756.9	846.8	936.8	959.3	1494.7	2208.8	2565.8	3118.9	4225.0	5054.6	5109.1
115°	870.9	953.9	1036.9	1057.6	1508.6	2109.8	2410.4	2943.2	4008.8	4808.0	4883.5
117.5°	983.6	1058.9	1134.4	1153.2	1536.6	2047.8	2303.5	2784.4	3746.0	4467.2	4551.0
120°	1049.1	1120.0	1191.1	1208.8	1559.4	2027.0	2260.7	2700.1	3578.8	4237.8	4319.2
122.5°	1113.3	1184.8	1256.4	1274.3	1592.2	2016.1	2228.0	2623.6	3414.8	4008.3	4088.6
125°	1211.6	1276.9	1342.1	1358.5	1636.4	2007.0	2192.3	2528.3	3200.6	3704.6	3778.6
127.5°	1291.5	1357.4	1423.3	1439.7	1680.6	2001.8	2162.4	2450.9	3028.0	3460.9	3523.3
130°	1334.2	1405.2	1476.1	1493.8	1712.9	2005.0	2151.0	2407.8	2921.7	3307.0	3364.6
132.5°	1378.4	1449.3	1520.3	1538.1	1739.0	2007.0	2141.0	2371.0	2830.9	3175.9	3227.5
135°	1444.0	1508.6	1573.2	1589.4	1767.6	2005.2	2123.9	2316.5	2701.7	2990.6	3035.1
137.5°	1511.0	1574.9	1638.9	1654.9	1810.2	2017.5	2121.1	2283.9	2609.5	2853.7	2890.1
140°	1566.5	1625.4	1684.3	1699.1	1836.4	2019.5	2111.1	2251.7	2532.9	2743.9	2778.0
142.5°	1609.3	1663.8	1718.3	1731.9	1858.2	2026.8	2111.1	2234.6	2481.7	2667.0	2696.3
145°	1674.9	1722.4	1770.0	1781.8	1886.8	2026.8	2096.8	2197.9	2400.0	2551.5	2573.7
147.5°	1740.4	1786.7	1832.9	1844.5	1928.6	2040.8	2096.8	2176.3	2335.4	2454.6	2472.9
150°	1783.2	1825.0	1866.9	1877.3	1950.5	2048.0	2096.8	2164.0	2298.3	2398.9	2413.8
152.5°	1827.4	1859.1	1890.8	1898.7	1964.8	2052.8	2096.8	2154.2	2268.8	2354.8	2366.1
155°	1892.9	1916.4	1939.8	1945.7	1996.1	2063.3	2096.8	2142.5	2233.7	2302.0	2309.5
157.5°	1941.5	1964.2	1987.1	1992.8	2027.5	2073.7	2096.8	2132.3	2203.2	2256.4	2261.7
160°	1974.2	1991.9	2009.8	2014.2	2041.7	2078.5	2096.8	2127.2	2188.1	2233.7	2236.7
162.5°	2007.0	2020.3	2033.6	2036.9	2056.9	2083.5	2096.8	2122.5	2173.8	2212.3	2215.1
165°	2042.6	2054.6	2066.6	2069.7	2078.8	2090.8	2096.8	2115.2	2151.9	2179.4	2182.5
167.5°	2075.5	2081.1	2086.8	2088.2	2095.8	2106.0	2111.1	2123.1	2147.1	2165.2	2166.5
170°	2096.8	2102.5	2108.2	2109.6	2110.1	2110.7	2111.1	2123.1	2147.1	2165.2	2165.2
172.5°	2108.2	2109.5	2110.8	2111.1	2111.1	2111.1	2111.1	2120.6	2139.6	2153.8	2152.7
175°	2123.9	2123.9	2123.9	2123.9	2119.6	2113.9	2111.1	2117.1	2129.1	2138.1	2138.1
177.5°	2123.9	2123.9	2123.9	2123.9	2120.6	2116.1	2113.9	2118.7	2128.1	2135.3	2134.0
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	2001.5	1995.9	2001.5	1997.7	1999.6	1994.1	1977.4	1971.9	1977.4	1983.0	1983.0
5°	2025.4	2021.8	2025.4	2025.4	2023.6	2019.9	2001.5	1997.7	2001.5	2003.3	1999.6
7.5°	2032.9	2027.3	2032.9	2029.1	2029.1	2025.4	2007.0	2003.3	2005.2	2010.7	2005.2
10°	2032.9	2027.3	2032.9	2031.0	2029.1	2025.4	2007.0	1999.6	1999.6	2005.2	1999.6
12.5°	2023.6	2019.9	2023.6	2019.9	2019.9	2016.3	1997.7	1990.4	1992.2	1994.1	1986.7
15°	2008.8	2003.3	2008.8	2005.2	2007.0	2001.5	1981.1	1973.8	1973.8	1977.4	1964.5
17.5°	1986.7	1979.3	1986.7	1984.9	1983.0	1979.3	1960.8	1953.5	1951.6	1953.5	1944.2
20°	1960.8	1955.3	1960.8	1959.0	1959.0	1951.6	1933.1	1923.9	1923.9	1923.9	1914.7
22.5°	1920.2	1914.7	1920.2	1923.9	1923.9	1922.0	1905.4	1892.6	1888.8	1888.8	1877.8
25°	1874.0	1868.5	1874.0	1874.0	1872.2	1874.0	1868.5	1861.2	1855.6	1850.1	1839.0
27.5°	1829.7	1826.0	1829.7	1826.0	1829.7	1824.2	1822.4	1820.5	1813.1	1807.6	1792.8
30°	1785.5	1781.7	1785.5	1781.7	1778.0	1774.4	1765.1	1761.4	1768.9	1765.1	1741.1
32.5°	1730.0	1726.4	1730.0	1730.0	1726.4	1726.4	1711.6	1706.0	1707.9	1718.9	1696.8
35°	1672.8	1667.3	1672.8	1670.9	1672.8	1667.3	1658.0	1656.2	1648.8	1661.8	1645.2
37.5°	1606.3	1600.8	1606.3	1606.3	1606.3	1610.0	1602.7	1597.1	1586.1	1602.7	1589.7
40°	1538.1	1530.6	1538.1	1536.1	1538.1	1541.7	1538.1	1534.3	1523.3	1536.1	1525.1
42.5°	1460.5	1458.6	1460.5	1462.3	1462.3	1469.7	1475.3	1467.9	1464.2	1454.9	1462.3
45°	1377.4	1373.7	1377.4	1381.0	1383.0	1386.6	1403.2	1403.2	1397.7	1383.0	1394.0
47.5°	1288.7	1279.5	1288.7	1299.8	1299.8	1305.4	1322.0	1334.9	1325.7	1307.3	1312.8
50°	1194.6	1196.4	1194.6	1202.0	1202.0	1222.3	1235.2	1248.2	1257.3	1235.2	1209.3
52.5°	1102.2	1100.4	1102.2	1107.8	1115.2	1124.5	1146.6	1159.5	1174.3	1161.3	1120.8
55°	1009.9	1013.7	1009.9	1011.9	1015.5	1021.0	1054.2	1067.2	1094.9	1078.3	1035.8
57.5°	917.6	912.1	917.6	921.4	923.2	928.7	956.4	980.4	997.1	998.9	947.2
60°	810.5	803.2	810.5	827.2	830.9	834.6	860.4	882.5	897.3	902.8	849.3
62.5°	716.4	703.5	716.4	727.5	734.9	744.1	762.5	795.8	808.7	810.5	734.9
65°	616.7	611.2	616.7	638.8	640.6	651.7	672.1	696.1	723.8	720.1	611.2
67.5°	526.2	526.2	526.2	541.0	552.1	557.6	583.5	594.6	629.6	633.3	509.6
70°	443.2	441.3	443.2	454.2	461.6	474.5	498.5	511.4	539.1	548.4	413.6
72.5°	363.8	361.8	363.8	373.0	380.4	391.4	411.8	426.5	450.5	461.6	321.3
75°	293.6	289.9	293.6	300.9	299.1	313.9	330.5	345.2	367.4	374.8	238.1
77.5°	225.3	225.3	225.3	232.6	232.6	247.4	254.8	273.3	286.2	297.2	175.4
80°	168.0	166.2	168.0	169.9	169.9	177.2	190.1	203.1	214.2	214.2	120.0
82.5°	118.2	114.4	118.2	118.2	118.2	121.9	129.2	133.0	140.3	145.8	75.7
85°	73.9	73.9	73.9	75.7	73.9	77.5	79.4	83.1	83.1	79.4	46.2
87.5°	48.0	46.2	48.0	46.2	46.2	44.3	44.3	44.3	42.5	40.7	25.9
90°	54.1	54.1	54.1	54.1	54.1	72.2	96.3	108.3	93.1	62.7	39.9
92.5°	216.9	173.9	216.9	260.1	270.8	383.9	534.6	610.1	535.7	386.8	275.1
95°	756.3	625.8	756.3	886.8	919.4	1207.3	1591.2	1783.2	1506.0	951.6	535.9
97.5°	1812.0	1563.7	1812.0	2060.3	2122.4	2304.4	2547.1	2668.4	2206.2	1281.9	588.7
100°	2610.8	2314.9	2610.8	2906.6	2980.6	2967.3	2949.6	2940.7	2427.9	1402.1	632.9
102.5°	3396.5	3143.1	3396.5	3649.9	3713.3	3481.4	3172.2	3017.7	2497.5	1457.3	677.1
105°	4398.2	4262.1	4398.2	4534.4	4568.5	4048.7	3355.6	3009.0	2505.4	1498.1	742.7
107.5°	5054.4	5087.3	5054.4	5021.4	5013.2	4288.1	3321.4	2838.1	2394.0	1505.8	839.6
110°	5304.6	5446.5	5304.6	5162.8	5127.3	4316.7	3235.9	2695.5	2295.1	1494.3	893.7



TEST NUMBER: P935456

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5326.9	5544.9	5326.9	5109.1	5054.6	4225.0	3118.9	2565.8	2208.8	1494.7	959.3
115°	5185.7	5487.9	5185.7	4883.5	4808.0	4008.8	2943.2	2410.4	2109.8	1508.6	1057.6
117.5°	4886.2	5221.3	4886.2	4551.0	4467.2	3746.0	2784.4	2303.5	2047.8	1536.6	1153.2
120°	4644.8	4970.4	4644.8	4319.2	4237.8	3578.8	2700.1	2260.7	2027.0	1559.4	1208.8
122.5°	4409.8	4731.0	4409.8	4088.6	4008.3	3414.8	2623.6	2228.0	2016.1	1592.2	1274.3
125°	4074.5	4370.3	4074.5	3778.6	3704.6	3200.6	2528.3	2192.3	2007.0	1636.4	1358.5
127.5°	3772.9	4022.5	3772.9	3523.3	3460.9	3028.0	2450.9	2162.4	2001.8	1680.6	1439.7
130°	3595.3	3825.9	3595.3	3364.6	3307.0	2921.7	2407.8	2151.0	2005.0	1712.9	1493.8
132.5°	3434.0	3640.5	3434.0	3227.5	3175.9	2830.9	2371.0	2141.0	2007.0	1739.0	1538.1
135°	3213.0	3391.1	3213.0	3035.1	2990.6	2701.7	2316.5	2123.9	2005.2	1767.6	1589.4
137.5°	3035.8	3181.6	3035.8	2890.1	2853.7	2609.5	2283.9	2121.1	2017.5	1810.2	1654.9
140°	2914.2	3050.4	2914.2	2778.0	2743.9	2532.9	2251.7	2111.1	2019.5	1836.4	1699.1
142.5°	2813.5	2930.7	2813.5	2696.3	2667.0	2481.7	2234.6	2111.1	2026.8	1858.2	1731.9
145°	2662.3	2751.1	2662.3	2573.7	2551.5	2400.0	2197.9	2096.8	2026.8	1886.8	1781.8
147.5°	2546.4	2619.9	2546.4	2472.9	2454.6	2335.4	2176.3	2096.8	2040.8	1928.6	1844.5
150°	2473.5	2533.0	2473.5	2413.8	2398.9	2298.3	2164.0	2096.8	2048.0	1950.5	1877.3
152.5°	2411.1	2456.0	2411.1	2366.1	2354.8	2268.8	2154.2	2096.8	2052.8	1964.8	1898.7
155°	2339.3	2369.0	2339.3	2309.5	2302.0	2233.7	2142.5	2096.8	2063.3	1996.1	1945.7
157.5°	2282.6	2303.5	2282.6	2261.7	2256.4	2203.2	2132.3	2096.8	2073.7	2027.5	1992.8
160°	2248.7	2260.7	2248.7	2236.7	2233.7	2188.1	2127.2	2096.8	2078.5	2041.7	2014.2
162.5°	2226.5	2237.9	2226.5	2215.1	2212.3	2173.8	2122.5	2096.8	2083.5	2056.9	2036.9
165°	2194.5	2206.6	2194.5	2182.5	2179.4	2151.9	2115.2	2096.8	2090.8	2078.8	2069.7
167.5°	2171.5	2176.6	2171.5	2166.5	2165.2	2147.1	2123.1	2111.1	2106.0	2095.8	2088.2
170°	2165.2	2165.2	2165.2	2165.2	2165.2	2147.1	2123.1	2111.1	2110.7	2110.1	2109.6
172.5°	2148.2	2143.8	2148.2	2152.7	2153.8	2139.6	2120.6	2111.1	2111.1	2111.1	2111.1
175°	2138.1	2138.1	2138.1	2138.1	2138.1	2129.1	2117.1	2111.1	2113.9	2119.6	2123.9
177.5°	2129.0	2123.9	2129.0	2134.0	2135.3	2128.1	2118.7	2113.9	2116.1	2120.6	2123.9
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1979.3	1968.2	1968.2	1949.7	1942.4	1936.8	1927.6	1899.9	1892.6	1885.1	1896.2
5°	1995.9	1975.6	1960.8	1927.6	1899.9	1888.8	1853.7	1787.3	1743.0	1709.8	1691.3
7.5°	1999.6	1973.8	1946.1	1894.4	1827.9	1798.3	1691.3	1569.4	1536.1	1506.7	1488.1
10°	1995.9	1966.3	1927.6	1850.1	1693.1	1641.4	1534.3	1454.9	1434.6	1429.1	1434.6
12.5°	1983.0	1955.3	1901.7	1772.5	1552.8	1517.7	1454.9	1408.8	1405.1	1414.4	1464.2
15°	1960.8	1935.0	1872.2	1669.1	1475.3	1449.4	1405.1	1388.5	1408.8	1473.4	1622.9
17.5°	1938.7	1909.2	1831.6	1567.6	1416.2	1397.7	1366.3	1399.6	1514.0	1600.8	1650.7
20°	1909.2	1874.0	1785.5	1493.7	1373.7	1357.1	1342.3	1491.9	1578.6	1610.0	1637.7
22.5°	1874.0	1837.1	1722.7	1442.0	1329.4	1316.4	1325.7	1543.6	1578.6	1600.8	1624.8
25°	1827.9	1796.5	1648.8	1401.4	1294.3	1279.5	1314.6	1538.1	1558.3	1563.8	1611.8
27.5°	1785.5	1744.8	1571.3	1364.4	1251.8	1246.3	1323.9	1514.0	1528.8	1534.3	1586.1
30°	1733.7	1672.8	1484.5	1325.7	1207.5	1205.7	1325.7	1484.5	1480.8	1495.6	1547.2
32.5°	1680.2	1565.7	1386.6	1277.7	1165.0	1163.2	1312.8	1440.1	1436.5	1456.7	1495.6
35°	1630.4	1482.6	1253.7	1222.3	1111.5	1113.3	1281.4	1388.5	1390.3	1408.8	1432.8
37.5°	1578.6	1410.6	1107.8	1161.3	1059.8	1059.8	1238.9	1340.5	1336.8	1342.3	1375.5
40°	1517.7	1298.0	978.5	1082.0	1011.9	1006.3	1187.2	1288.7	1275.9	1274.0	1320.1
42.5°	1453.1	1174.3	882.5	976.7	956.4	949.0	1124.5	1225.9	1202.0	1207.5	1266.6
45°	1383.0	1141.1	808.7	825.3	899.2	893.7	1056.1	1154.0	1137.4	1152.2	1213.1
47.5°	1312.8	1074.6	784.7	685.0	838.2	836.4	980.4	1083.8	1074.6	1089.4	1154.0
50°	1216.8	1000.7	782.9	587.1	769.9	777.3	890.0	1015.5	1015.5	1028.5	1096.7
52.5°	1093.1	910.3	710.8	531.7	690.6	712.7	810.5	956.4	960.1	973.0	1034.0
55°	980.4	816.1	659.2	489.3	596.4	644.4	733.0	895.5	902.8	915.8	971.2
57.5°	877.0	679.5	648.1	439.4	509.6	555.8	664.7	836.4	840.1	851.2	904.8
60°	766.3	491.2	594.6	385.9	433.9	468.9	601.9	766.3	779.1	786.6	832.7
62.5°	640.6	356.3	539.1	349.0	397.0	404.3	550.2	699.7	716.4	722.0	749.7
65°	456.1	299.1	457.9	317.6	358.2	360.0	494.8	631.5	646.2	655.4	675.8
67.5°	308.3	243.7	349.0	288.1	328.6	330.5	441.3	552.1	572.4	579.8	592.6
70°	214.2	162.5	258.5	256.7	295.4	299.1	384.1	480.0	498.5	504.1	511.4
72.5°	156.9	131.0	214.2	230.8	260.4	264.0	325.0	398.8	417.3	422.8	426.5
75°	120.0	138.5	173.5	201.3	221.5	223.4	265.9	325.0	337.9	341.6	343.4
77.5°	96.0	129.2	127.4	162.5	181.0	177.2	208.7	251.1	262.2	262.2	262.2
80°	72.0	101.6	96.0	116.4	133.0	129.2	149.6	179.1	182.8	186.5	184.6
82.5°	53.5	64.6	64.6	73.9	88.6	85.0	99.7	116.4	116.4	116.4	120.0
85°	33.2	36.9	29.5	38.8	49.8	48.0	55.4	62.8	64.6	64.6	60.9
87.5°	20.3	16.6	9.3	14.8	22.1	22.1	25.9	27.7	25.9	25.9	25.9
90°	37.1	25.6	14.2	25.6	37.1	39.9	62.7	93.1	108.3	96.3	72.2
92.5°	250.9	153.9	57.0	153.9	250.9	275.1	386.8	535.7	610.1	534.6	383.9
95°	491.6	314.2	136.8	314.2	491.6	535.9	951.6	1506.0	1783.2	1591.2	1207.3
97.5°	549.6	393.0	236.6	393.0	549.6	588.7	1281.9	2206.2	2668.4	2547.1	2304.4
100°	597.4	455.5	313.6	455.5	597.4	632.9	1402.1	2427.9	2940.7	2949.6	2967.3
102.5°	643.9	511.6	379.2	511.6	643.9	677.1	1457.3	2497.5	3017.7	3172.2	3481.4
105°	714.6	602.5	490.3	602.5	714.6	742.7	1498.1	2505.4	3009.0	3355.6	4048.7
107.5°	813.4	708.9	604.4	708.9	813.4	839.6	1505.8	2394.0	2838.1	3321.4	4288.1
110°	870.2	775.7	681.4	775.7	870.2	893.7	1494.3	2295.1	2695.5	3235.9	4316.7



TEST NUMBER: P935456

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	936.8	846.8	756.9	846.8	936.8	959.3	1494.7	2208.8	2565.8	3118.9	4225.0
115°	1036.9	953.9	870.9	953.9	1036.9	1057.6	1508.6	2109.8	2410.4	2943.2	4008.8
117.5°	1134.4	1058.9	983.6	1058.9	1134.4	1153.2	1536.6	2047.8	2303.5	2784.4	3746.0
120°	1191.1	1120.0	1049.1	1120.0	1191.1	1208.8	1559.4	2027.0	2260.7	2700.1	3578.8
122.5°	1256.4	1184.8	1113.3	1184.8	1256.4	1274.3	1592.2	2016.1	2228.0	2623.6	3414.8
125°	1342.1	1276.9	1211.6	1276.9	1342.1	1358.5	1636.4	2007.0	2192.3	2528.3	3200.6
127.5°	1423.3	1357.4	1291.5	1357.4	1423.3	1439.7	1680.6	2001.8	2162.4	2450.9	3028.0
130°	1476.1	1405.2	1334.2	1405.2	1476.1	1493.8	1712.9	2005.0	2151.0	2407.8	2921.7
132.5°	1520.3	1449.3	1378.4	1449.3	1520.3	1538.1	1739.0	2007.0	2141.0	2371.0	2830.9
135°	1573.2	1508.6	1444.0	1508.6	1573.2	1589.4	1767.6	2005.2	2123.9	2316.5	2701.7
137.5°	1638.9	1574.9	1511.0	1574.9	1638.9	1654.9	1810.2	2017.5	2121.1	2283.9	2609.5
140°	1684.3	1625.4	1566.5	1625.4	1684.3	1699.1	1836.4	2019.5	2111.1	2251.7	2532.9
142.5°	1718.3	1663.8	1609.3	1663.8	1718.3	1731.9	1858.2	2026.8	2111.1	2234.6	2481.7
145°	1770.0	1722.4	1674.9	1722.4	1770.0	1781.8	1886.8	2026.8	2096.8	2197.9	2400.0
147.5°	1832.9	1786.7	1740.4	1786.7	1832.9	1844.5	1928.6	2040.8	2096.8	2176.3	2335.4
150°	1866.9	1825.0	1783.2	1825.0	1866.9	1877.3	1950.5	2048.0	2096.8	2164.0	2298.3
152.5°	1890.8	1859.1	1827.4	1859.1	1890.8	1898.7	1964.8	2052.8	2096.8	2154.2	2268.8
155°	1939.8	1916.4	1892.9	1916.4	1939.8	1945.7	1996.1	2063.3	2096.8	2142.5	2233.7
157.5°	1987.1	1964.2	1941.5	1964.2	1987.1	1992.8	2027.5	2073.7	2096.8	2132.3	2203.2
160°	2009.8	1991.9	1974.2	1991.9	2009.8	2014.2	2041.7	2078.5	2096.8	2127.2	2188.1
162.5°	2033.6	2020.3	2007.0	2020.3	2033.6	2036.9	2056.9	2083.5	2096.8	2122.5	2173.8
165°	2066.6	2054.6	2042.6	2054.6	2066.6	2069.7	2078.8	2090.8	2096.8	2115.2	2151.9
167.5°	2086.8	2081.1	2075.5	2081.1	2086.8	2088.2	2095.8	2106.0	2111.1	2123.1	2147.1
170°	2108.2	2102.5	2096.8	2102.5	2108.2	2109.6	2110.1	2110.7	2111.1	2123.1	2147.1
172.5°	2110.8	2109.5	2108.2	2109.5	2110.8	2111.1	2111.1	2111.1	2111.1	2120.6	2139.6
175°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2119.6	2113.9	2111.1	2117.1	2129.1
177.5°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2120.6	2116.1	2113.9	2118.7	2128.1
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935456
 CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1883.3	1877.8	1885.1	1864.8	1885.1	1877.8	1883.3	1896.2	1885.1	1892.6	1899.9
5°	1652.5	1643.2	1613.8	1589.7	1613.8	1643.2	1652.5	1691.3	1709.8	1743.0	1787.3
7.5°	1477.1	1469.7	1462.3	1447.6	1462.3	1469.7	1477.1	1488.1	1506.7	1536.1	1569.4
10°	1438.3	1440.1	1451.2	1449.4	1451.2	1440.1	1438.3	1434.6	1429.1	1434.6	1454.9
12.5°	1538.1	1554.7	1615.6	1611.8	1615.6	1554.7	1538.1	1464.2	1414.4	1405.1	1408.8
15°	1652.5	1658.0	1670.9	1672.8	1670.9	1658.0	1652.5	1622.9	1473.4	1408.8	1388.5
17.5°	1663.6	1665.4	1674.6	1674.6	1674.6	1665.4	1663.6	1650.7	1600.8	1514.0	1399.6
20°	1654.3	1658.0	1676.5	1680.2	1676.5	1658.0	1654.3	1637.7	1610.0	1578.6	1491.9
22.5°	1650.7	1658.0	1672.8	1670.9	1672.8	1658.0	1650.7	1624.8	1600.8	1578.6	1543.6
25°	1632.2	1632.2	1634.0	1635.9	1634.0	1632.2	1632.2	1611.8	1563.8	1558.3	1538.1
27.5°	1593.4	1597.1	1608.2	1606.3	1608.2	1597.1	1593.4	1586.1	1534.3	1528.8	1514.0
30°	1558.3	1554.7	1545.4	1538.1	1545.4	1554.7	1558.3	1547.2	1495.6	1480.8	1484.5
32.5°	1499.2	1490.0	1480.8	1475.3	1480.8	1490.0	1499.2	1495.6	1456.7	1436.5	1440.1
35°	1429.1	1431.0	1429.1	1423.5	1429.1	1431.0	1429.1	1432.8	1408.8	1390.3	1388.5
37.5°	1379.2	1383.0	1381.0	1373.7	1381.0	1383.0	1379.2	1375.5	1342.3	1336.8	1340.5
40°	1327.5	1329.4	1327.5	1322.0	1327.5	1329.4	1327.5	1320.1	1274.0	1275.9	1288.7
42.5°	1277.7	1275.9	1270.3	1266.6	1270.3	1275.9	1277.7	1266.6	1207.5	1202.0	1225.9
45°	1220.4	1222.3	1211.2	1205.7	1211.2	1222.3	1220.4	1213.1	1152.2	1137.4	1154.0
47.5°	1163.2	1163.2	1154.0	1148.4	1154.0	1163.2	1163.2	1154.0	1089.4	1074.6	1083.8
50°	1102.2	1100.4	1087.5	1085.6	1087.5	1100.4	1102.2	1096.7	1028.5	1015.5	1015.5
52.5°	1032.1	1032.1	1034.0	1037.6	1034.0	1032.1	1032.1	1034.0	973.0	960.1	956.4
55°	971.2	973.0	986.0	989.6	986.0	973.0	971.2	971.2	915.8	902.8	895.5
57.5°	908.4	908.4	917.6	917.6	917.6	908.4	908.4	904.8	851.2	840.1	836.4
60°	836.4	840.1	847.5	845.7	847.5	840.1	836.4	832.7	786.6	779.1	766.3
62.5°	760.7	764.4	766.3	762.5	766.3	764.4	760.7	749.7	722.0	716.4	699.7
65°	681.3	685.0	686.8	683.1	686.8	685.0	681.3	675.8	655.4	646.2	631.5
67.5°	600.1	598.2	596.4	603.8	596.4	598.2	600.1	592.6	579.8	572.4	552.1
70°	516.9	516.9	515.1	518.9	515.1	516.9	516.9	511.4	504.1	498.5	480.0
72.5°	428.4	426.5	433.9	428.4	433.9	426.5	428.4	426.5	422.8	417.3	398.8
75°	341.6	345.2	341.6	347.1	341.6	345.2	341.6	343.4	341.6	337.9	325.0
77.5°	260.4	264.0	260.4	260.4	260.4	264.0	260.4	262.2	262.2	262.2	251.1
80°	184.6	182.8	182.8	181.0	182.8	182.8	184.6	184.6	186.5	182.8	179.1
82.5°	118.2	116.4	116.4	120.0	116.4	116.4	118.2	120.0	116.4	116.4	116.4
85°	64.6	66.4	62.8	62.8	62.8	66.4	64.6	60.9	64.6	64.6	62.8
87.5°	24.0	22.1	22.1	22.1	22.1	22.1	24.0	25.9	25.9	25.9	27.7
90°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	72.2	96.3	108.3	93.1
92.5°	270.8	260.1	216.9	173.9	216.9	260.1	270.8	383.9	534.6	610.1	535.7
95°	919.4	886.8	756.3	625.8	756.3	886.8	919.4	1207.3	1591.2	1783.2	1506.0
97.5°	2122.4	2060.3	1812.0	1563.7	1812.0	2060.3	2122.4	2304.4	2547.1	2668.4	2206.2
100°	2980.6	2906.6	2610.8	2314.9	2610.8	2906.6	2980.6	2967.3	2949.6	2940.7	2427.9
102.5°	3713.3	3649.9	3396.5	3143.1	3396.5	3649.9	3713.3	3481.4	3172.2	3017.7	2497.5
105°	4568.5	4534.4	4398.2	4262.1	4398.2	4534.4	4568.5	4048.7	3355.6	3009.0	2505.4
107.5°	5013.2	5021.4	5054.4	5087.3	5054.4	5021.4	5013.2	4288.1	3321.4	2838.1	2394.0
110°	5127.3	5162.8	5304.6	5446.5	5304.6	5162.8	5127.3	4316.7	3235.9	2695.5	2295.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5054.6	5109.1	5326.9	5544.9	5326.9	5109.1	5054.6	4225.0	3118.9	2565.8	2208.8
115°	4808.0	4883.5	5185.7	5487.9	5185.7	4883.5	4808.0	4008.8	2943.2	2410.4	2109.8
117.5°	4467.2	4551.0	4886.2	5221.3	4886.2	4551.0	4467.2	3746.0	2784.4	2303.5	2047.8
120°	4237.8	4319.2	4644.8	4970.4	4644.8	4319.2	4237.8	3578.8	2700.1	2260.7	2027.0
122.5°	4008.3	4088.6	4409.8	4731.0	4409.8	4088.6	4008.3	3414.8	2623.6	2228.0	2016.1
125°	3704.6	3778.6	4074.5	4370.3	4074.5	3778.6	3704.6	3200.6	2528.3	2192.3	2007.0
127.5°	3460.9	3523.3	3772.9	4022.5	3772.9	3523.3	3460.9	3028.0	2450.9	2162.4	2001.8
130°	3307.0	3364.6	3595.3	3825.9	3595.3	3364.6	3307.0	2921.7	2407.8	2151.0	2005.0
132.5°	3175.9	3227.5	3434.0	3640.5	3434.0	3227.5	3175.9	2830.9	2371.0	2141.0	2007.0
135°	2990.6	3035.1	3213.0	3391.1	3213.0	3035.1	2990.6	2701.7	2316.5	2123.9	2005.2
137.5°	2853.7	2890.1	3035.8	3181.6	3035.8	2890.1	2853.7	2609.5	2283.9	2121.1	2017.5
140°	2743.9	2778.0	2914.2	3050.4	2914.2	2778.0	2743.9	2532.9	2251.7	2111.1	2019.5
142.5°	2667.0	2696.3	2813.5	2930.7	2813.5	2696.3	2667.0	2481.7	2234.6	2111.1	2026.8
145°	2551.5	2573.7	2662.3	2751.1	2662.3	2573.7	2551.5	2400.0	2197.9	2096.8	2026.8
147.5°	2454.6	2472.9	2546.4	2619.9	2546.4	2472.9	2454.6	2335.4	2176.3	2096.8	2040.8
150°	2398.9	2413.8	2473.5	2533.0	2473.5	2413.8	2398.9	2298.3	2164.0	2096.8	2048.0
152.5°	2354.8	2366.1	2411.1	2456.0	2411.1	2366.1	2354.8	2268.8	2154.2	2096.8	2052.8
155°	2302.0	2309.5	2339.3	2369.0	2339.3	2309.5	2302.0	2233.7	2142.5	2096.8	2063.3
157.5°	2256.4	2261.7	2282.6	2303.5	2282.6	2261.7	2256.4	2203.2	2132.3	2096.8	2073.7
160°	2233.7	2236.7	2248.7	2260.7	2248.7	2236.7	2233.7	2188.1	2127.2	2096.8	2078.5
162.5°	2212.3	2215.1	2226.5	2237.9	2226.5	2215.1	2212.3	2173.8	2122.5	2096.8	2083.5
165°	2179.4	2182.5	2194.5	2206.6	2194.5	2182.5	2179.4	2151.9	2115.2	2096.8	2090.8
167.5°	2165.2	2166.5	2171.5	2176.6	2171.5	2166.5	2165.2	2147.1	2123.1	2111.1	2106.0
170°	2165.2	2165.2	2165.2	2165.2	2165.2	2165.2	2165.2	2147.1	2123.1	2111.1	2110.7
172.5°	2153.8	2152.7	2148.2	2143.8	2148.2	2152.7	2153.8	2139.6	2120.6	2111.1	2111.1
175°	2138.1	2138.1	2138.1	2138.1	2138.1	2138.1	2138.1	2129.1	2117.1	2111.1	2113.9
177.5°	2135.3	2134.0	2129.0	2123.9	2129.0	2134.0	2135.3	2128.1	2118.7	2113.9	2116.1
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1927.6	1936.8	1942.4	1949.7	1968.2
5°	1853.7	1888.8	1899.9	1927.6	1960.8
7.5°	1691.3	1798.3	1827.9	1894.4	1946.1
10°	1534.3	1641.4	1693.1	1850.1	1927.6
12.5°	1454.9	1517.7	1552.8	1772.5	1901.7
15°	1405.1	1449.4	1475.3	1669.1	1872.2
17.5°	1366.3	1397.7	1416.2	1567.6	1831.6
20°	1342.3	1357.1	1373.7	1493.7	1785.5
22.5°	1325.7	1316.4	1329.4	1442.0	1722.7
25°	1314.6	1279.5	1294.3	1401.4	1648.8
27.5°	1323.9	1246.3	1251.8	1364.4	1571.3
30°	1325.7	1205.7	1207.5	1325.7	1484.5
32.5°	1312.8	1163.2	1165.0	1277.7	1386.6
35°	1281.4	1113.3	1111.5	1222.3	1253.7
37.5°	1238.9	1059.8	1059.8	1161.3	1107.8
40°	1187.2	1006.3	1011.9	1082.0	978.5
42.5°	1124.5	949.0	956.4	976.7	882.5
45°	1056.1	893.7	899.2	825.3	808.7
47.5°	980.4	836.4	838.2	685.0	784.7
50°	890.0	777.3	769.9	587.1	782.9
52.5°	810.5	712.7	690.6	531.7	710.8
55°	733.0	644.4	596.4	489.3	659.2
57.5°	664.7	555.8	509.6	439.4	648.1
60°	601.9	468.9	433.9	385.9	594.6
62.5°	550.2	404.3	397.0	349.0	539.1
65°	494.8	360.0	358.2	317.6	457.9
67.5°	441.3	330.5	328.6	288.1	349.0
70°	384.1	299.1	295.4	256.7	258.5
72.5°	325.0	264.0	260.4	230.8	214.2
75°	265.9	223.4	221.5	201.3	173.5
77.5°	208.7	177.2	181.0	162.5	127.4
80°	149.6	129.2	133.0	116.4	96.0
82.5°	99.7	85.0	88.6	73.9	64.6
85°	55.4	48.0	49.8	38.8	29.5
87.5°	25.9	22.1	22.1	14.8	9.3
90°	62.7	39.9	37.1	25.6	14.2
92.5°	386.8	275.1	250.9	153.9	57.0
95°	951.6	535.9	491.6	314.2	136.8
97.5°	1281.9	588.7	549.6	393.0	236.6
100°	1402.1	632.9	597.4	455.5	313.6
102.5°	1457.3	677.1	643.9	511.6	379.2
105°	1498.1	742.7	714.6	602.5	490.3
107.5°	1505.8	839.6	813.4	708.9	604.4
110°	1494.3	893.7	870.2	775.7	681.4



TEST NUMBER: P935456

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1494.7	959.3	936.8	846.8	756.9
115°	1508.6	1057.6	1036.9	953.9	870.9
117.5°	1536.6	1153.2	1134.4	1058.9	983.6
120°	1559.4	1208.8	1191.1	1120.0	1049.1
122.5°	1592.2	1274.3	1256.4	1184.8	1113.3
125°	1636.4	1358.5	1342.1	1276.9	1211.6
127.5°	1680.6	1439.7	1423.3	1357.4	1291.5
130°	1712.9	1493.8	1476.1	1405.2	1334.2
132.5°	1739.0	1538.1	1520.3	1449.3	1378.4
135°	1767.6	1589.4	1573.2	1508.6	1444.0
137.5°	1810.2	1654.9	1638.9	1574.9	1511.0
140°	1836.4	1699.1	1684.3	1625.4	1566.5
142.5°	1858.2	1731.9	1718.3	1663.8	1609.3
145°	1886.8	1781.8	1770.0	1722.4	1674.9
147.5°	1928.6	1844.5	1832.9	1786.7	1740.4
150°	1950.5	1877.3	1866.9	1825.0	1783.2
152.5°	1964.8	1898.7	1890.8	1859.1	1827.4
155°	1996.1	1945.7	1939.8	1916.4	1892.9
157.5°	2027.5	1992.8	1987.1	1964.2	1941.5
160°	2041.7	2014.2	2009.8	1991.9	1974.2
162.5°	2056.9	2036.9	2033.6	2020.3	2007.0
165°	2078.8	2069.7	2066.6	2054.6	2042.6
167.5°	2095.8	2088.2	2086.8	2081.1	2075.5
170°	2110.1	2109.6	2108.2	2102.5	2096.8
172.5°	2111.1	2111.1	2110.8	2109.5	2108.2
175°	2119.6	2123.9	2123.9	2123.9	2123.9
177.5°	2120.6	2123.9	2123.9	2123.9	2123.9
180°	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935456
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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	8.40	9.09	9.54	10.21	11.78	11.25	11.94	12.39	13.06	14.63
	3H	8.87	9.48	10.01	10.61	12.20	12.59	13.21	13.73	14.34	15.92
	4H	9.05	9.63	10.20	10.77	12.35	13.03	13.62	14.18	14.75	16.34
	6H	9.16	9.69	10.32	10.83	12.43	13.31	13.85	14.47	14.99	16.59
	8H	9.15	9.66	10.32	10.82	12.41	13.39	13.90	14.55	15.05	16.64
	12H	9.12	9.60	10.28	10.75	12.36	13.42	13.91	14.59	15.05	16.66
4H	2H	9.42	10.00	10.58	11.13	12.72	11.64	12.22	12.80	13.36	14.94
	3H	10.43	10.92	11.59	12.07	13.67	13.14	13.62	14.30	14.78	16.38
	4H	10.70	11.15	11.86	12.29	13.91	13.66	14.11	14.83	15.26	16.87
	6H	10.81	11.20	11.98	12.37	13.97	14.02	14.40	15.19	15.57	17.18
	8H	10.81	11.17	11.98	12.33	13.96	14.13	14.48	15.30	15.65	17.27
	12H	10.77	11.10	11.96	12.27	13.90	14.18	14.50	15.37	15.68	17.31
8H	4H	11.14	11.50	12.31	12.66	14.28	13.77	14.13	14.94	15.29	16.92
	6H	11.39	11.69	12.58	12.89	14.52	14.21	14.50	15.40	15.70	17.33
	8H	11.44	11.69	12.63	12.87	14.52	14.36	14.62	15.55	15.80	17.44
	12H	11.41	11.64	12.61	12.82	14.49	14.45	14.68	15.65	15.86	17.53
12H	4H	11.14	11.46	12.32	12.64	14.27	13.73	14.05	14.91	15.22	16.85
	6H	11.45	11.71	12.65	12.89	14.54	14.20	14.46	15.40	15.64	17.28
	8H	11.51	11.74	12.71	12.92	14.59	14.36	14.58	15.56	15.76	17.44