

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: P935429

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935429
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-12-500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

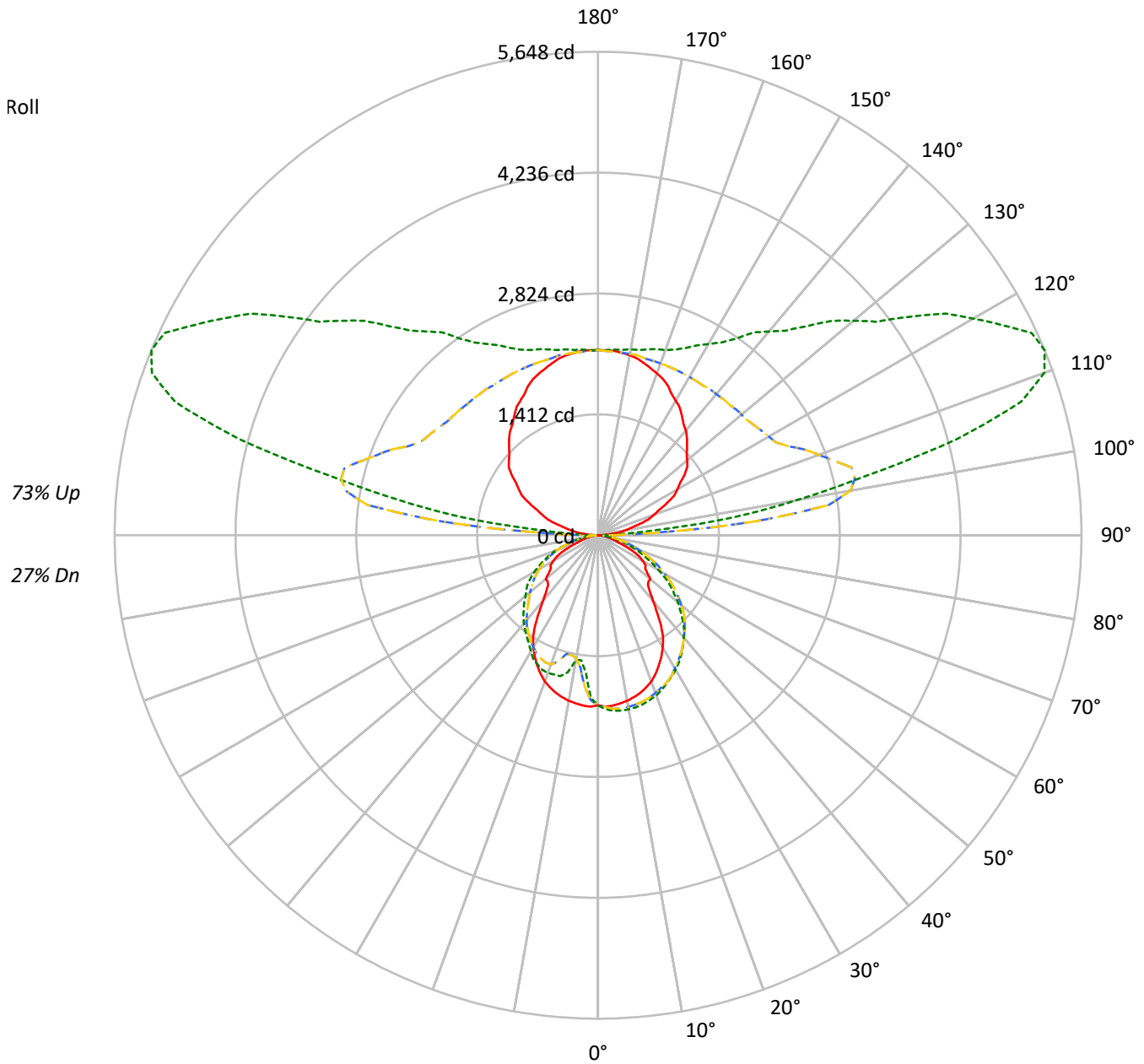
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19185.8 lumens
Efficiency: N/A
Efficacy: 134.4 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	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°	6148	6148	6148	6148
5°	6197	6207	6197	4880
10°	6157	6114	6157	4371
15°	6093	5981	6093	4994
20°	5968	5825	5968	5005
25°	5709	5596	5709	4899
30°	5374	5405	5374	4666
35°	4794	5165	4794	4410
40°	3996	4882	3996	4217
45°	3573	4551	3573	3994
50°	3799	4156	3799	3771
55°	3578	3731	3578	3642
60°	3693	3168	3693	3336
65°	3354	2619	3354	2928
70°	2328	2087	2328	2454
75°	2049	1543	2049	1847
80°	1663	1020	1663	1111
85°	975	540	975	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5473 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	0.9
10°-20°	509.5	2.7
20°-30°	787.5	4.1
30°-40°	940.1	4.9
40°-50°	945.7	4.9
50°-60°	822.8	4.3
60°-70°	583.4	3.0
70°-80°	308.7	1.6
80°-90°	85.1	0.4
90°-100°	1054.5	5.5
100°-110°	2772.3	14.4
110°-120°	2874.6	15.0
120°-130°	2305.7	12.0
130°-140°	1809.2	9.4
140°-150°	1388.6	7.2
150°-160°	1000.1	5.2
160°-170°	611.9	3.2
170°-180°	206.7	1.1
0°-30°	1476.4	7.7
0°-40°	2416.6	12.6
0°-60°	4185.0	21.8
0°-90°	5162.2	26.9
90°-120°	6701.3	34.9
90°-150°	12204.9	63.6
90°-180°	14024.0	73.1
0°-180°	19185.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1997	2059	1997	1619	1997	189
15°	1907	2040	1907	1704	1907	537
25°	1679	1903	1679	1666	1679	771
35°	1277	1698	1277	1450	1277	790
45°	824	1399	824	1228	824	660
55°	671	1032	671	1008	671	617
65°	466	622	466	696	466	446
75°	177	295	177	354	177	186
85°	30	75	30	64	30	41
90°	14	55	14	55	14	13
95°	139	637	139	637	139	155
105°	499	4341	499	4341	499	529
115°	887	5590	887	5590	887	876
125°	1234	4451	1234	4451	1234	1096
135°	1471	3454	1471	3454	1471	1138
145°	1706	2802	1706	2802	1706	1069
155°	1928	2413	1928	2413	1928	886
165°	2080	2248	2080	2248	2080	587
175°	2163	2178	2163	2178	2163	205
180°	2163	2163	2163	2163	2163	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2004.7	2004.7	2016.0	2019.7	2019.7	2014.1	2008.5	2014.1	2031.0	2036.6	2034.8
5°	1997.2	2012.2	2032.9	2036.6	2040.5	2038.6	2034.8	2038.6	2057.4	2061.1	2063.0
7.5°	1982.1	2010.4	2036.6	2042.3	2047.9	2042.3	2040.5	2044.2	2063.0	2066.7	2066.7
10°	1963.3	2002.8	2032.9	2036.6	2042.3	2036.6	2036.6	2044.2	2063.0	2066.7	2068.7
12.5°	1937.0	1991.6	2019.7	2023.5	2031.0	2029.2	2027.3	2034.8	2053.6	2057.4	2057.4
15°	1906.9	1970.8	1997.2	2000.9	2014.1	2010.4	2010.4	2017.8	2038.6	2044.2	2042.3
17.5°	1865.6	1944.6	1974.7	1980.3	1989.7	1987.7	1989.7	1997.2	2016.0	2019.7	2021.7
20°	1818.6	1908.8	1944.6	1950.2	1959.6	1959.6	1959.6	1969.0	1987.7	1995.3	1995.3
22.5°	1754.6	1871.2	1908.8	1912.6	1923.8	1923.8	1927.6	1940.7	1957.6	1959.6	1959.6
25°	1679.4	1829.8	1861.7	1873.1	1884.4	1890.0	1895.7	1903.2	1908.8	1906.9	1908.8
27.5°	1600.4	1777.2	1818.6	1826.0	1841.1	1846.7	1854.3	1856.1	1858.0	1863.6	1859.9
30°	1512.0	1703.8	1765.8	1773.4	1797.8	1801.6	1794.1	1797.8	1807.3	1811.0	1814.7
32.5°	1412.3	1594.7	1711.4	1728.3	1750.8	1739.6	1737.6	1743.3	1758.4	1758.4	1762.1
35°	1276.9	1510.1	1660.6	1675.6	1692.6	1679.4	1686.9	1688.7	1698.2	1703.8	1701.9
37.5°	1128.4	1436.7	1607.9	1619.2	1632.4	1615.5	1626.7	1632.4	1639.8	1636.1	1636.1
40°	996.7	1322.0	1545.8	1553.4	1564.6	1551.5	1562.7	1566.6	1570.3	1566.6	1564.6
42.5°	898.9	1196.0	1480.0	1489.5	1481.9	1491.3	1495.1	1502.6	1496.9	1489.5	1489.5
45°	823.7	1162.2	1408.6	1419.8	1408.6	1423.7	1429.3	1429.3	1412.3	1408.6	1406.6
47.5°	799.3	1094.5	1337.1	1337.1	1331.5	1350.3	1359.6	1346.5	1329.6	1323.9	1323.9
50°	797.4	1019.3	1239.3	1231.8	1258.1	1280.6	1271.3	1258.1	1244.9	1224.3	1224.3
52.5°	724.0	927.1	1113.3	1141.6	1182.9	1196.0	1181.0	1167.8	1145.3	1135.9	1128.4
55°	671.4	831.2	998.5	1055.0	1098.3	1115.2	1087.0	1073.8	1040.0	1034.3	1030.6
57.5°	660.1	692.1	893.3	964.7	1017.4	1015.6	998.5	974.2	945.9	940.3	938.4
60°	605.6	500.3	780.5	865.1	919.6	914.0	898.9	876.4	850.0	846.3	842.5
62.5°	549.1	362.9	652.5	748.5	825.5	823.7	810.6	776.6	757.9	748.5	740.9
65°	466.4	304.6	464.5	622.5	733.5	737.2	709.0	684.6	663.8	652.5	650.6
67.5°	355.5	248.3	314.1	519.0	645.0	641.3	605.6	594.3	567.9	562.3	551.0
70°	263.3	165.5	218.2	421.3	558.6	549.1	520.9	507.7	483.3	470.2	462.6
72.5°	218.2	133.5	159.8	327.2	470.2	458.8	434.5	419.4	398.7	387.4	379.9
75°	176.8	141.0	122.3	242.6	381.7	374.3	351.6	336.6	319.7	304.6	306.5
77.5°	129.7	131.6	97.8	178.6	302.8	291.5	278.4	259.6	252.0	236.9	236.9
80°	97.8	103.5	73.4	122.3	218.2	218.2	206.9	193.7	180.5	173.0	173.0
82.5°	65.8	65.8	54.5	77.1	148.5	142.9	135.4	131.6	124.1	120.4	120.4
85°	30.1	37.6	33.8	47.0	80.9	84.6	84.6	80.9	79.0	75.2	77.1
87.5°	9.4	16.9	20.7	26.4	41.4	43.3	45.1	45.1	45.1	47.0	47.0
90°	14.5	26.1	37.8	40.7	63.8	94.8	110.3	98.1	73.6	55.1	55.1
92.5°	58.0	156.8	255.5	280.2	394.0	545.6	621.4	544.6	391.0	275.8	264.9
95°	139.4	320.0	500.7	545.9	969.3	1533.9	1816.2	1620.7	1229.7	936.5	903.2
97.5°	241.0	400.3	559.8	599.6	1305.7	2247.1	2717.8	2594.3	2347.1	2161.8	2098.5
100°	319.4	464.0	608.5	644.7	1428.1	2472.9	2995.2	3004.2	3022.3	3035.8	2960.5
102.5°	386.2	521.1	655.9	689.6	1484.3	2543.8	3073.6	3231.0	3545.9	3782.1	3717.6
105°	499.4	613.6	727.9	756.5	1525.9	2551.8	3064.8	3417.8	4123.7	4653.2	4618.5
107.5°	615.6	722.1	828.5	855.2	1533.7	2438.4	2890.7	3383.0	4367.6	5106.1	5114.5
110°	694.0	790.1	886.3	910.3	1522.0	2337.6	2745.4	3295.9	4396.7	5222.3	5258.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.9	862.5	954.1	977.0	1522.4	2249.7	2613.3	3176.7	4303.3	5148.3	5203.8
115°	887.0	971.5	1056.1	1077.2	1536.6	2148.9	2455.1	2997.8	4083.1	4897.1	4974.0
117.5°	1001.8	1078.6	1155.4	1174.6	1565.1	2085.8	2346.2	2836.0	3815.5	4550.1	4635.4
120°	1068.6	1140.8	1213.2	1231.2	1588.3	2064.6	2302.6	2750.2	3645.2	4316.4	4399.3
122.5°	1133.9	1206.8	1279.7	1297.9	1621.7	2053.5	2269.3	2672.2	3478.1	4082.6	4164.4
125°	1234.1	1300.5	1367.0	1383.6	1666.8	2044.2	2232.9	2575.2	3259.9	3773.3	3848.7
127.5°	1315.4	1382.5	1449.6	1466.4	1711.7	2038.9	2202.4	2496.3	3084.2	3525.1	3588.6
130°	1359.0	1431.2	1503.5	1521.5	1744.6	2042.1	2190.9	2452.5	2975.8	3368.3	3427.0
132.5°	1403.9	1476.2	1548.5	1566.6	1771.3	2044.2	2180.7	2414.9	2883.4	3234.7	3287.4
135°	1470.8	1536.6	1602.4	1618.8	1800.3	2042.3	2163.3	2359.5	2751.8	3046.0	3091.4
137.5°	1539.0	1604.1	1669.3	1685.6	1843.8	2054.9	2160.4	2326.2	2657.8	2906.6	2943.7
140°	1595.5	1655.6	1715.6	1730.6	1870.4	2056.9	2150.2	2293.4	2579.9	2794.8	2829.4
142.5°	1639.1	1694.6	1750.1	1764.0	1892.7	2064.4	2150.2	2276.0	2527.7	2716.4	2746.3
145°	1705.9	1754.3	1802.8	1814.8	1921.8	2064.4	2135.7	2238.6	2444.4	2598.8	2621.4
147.5°	1772.7	1819.8	1866.9	1878.7	1964.4	2078.6	2135.7	2216.7	2378.6	2500.1	2518.8
150°	1816.2	1858.8	1901.5	1912.1	1986.6	2086.0	2135.7	2204.1	2340.9	2443.4	2458.6
152.5°	1861.3	1893.5	1925.9	1933.9	2001.2	2090.8	2135.7	2194.1	2310.9	2398.5	2410.0
155°	1928.0	1951.9	1975.8	1981.8	2033.1	2101.5	2135.7	2182.2	2275.1	2344.7	2352.3
157.5°	1977.5	2000.6	2023.9	2029.7	2065.0	2112.2	2135.7	2171.8	2244.0	2298.3	2303.6
160°	2010.8	2028.9	2047.0	2051.5	2079.5	2117.0	2135.7	2166.6	2228.6	2275.1	2278.2
162.5°	2044.2	2057.8	2071.3	2074.7	2095.1	2122.2	2135.7	2161.9	2214.1	2253.3	2256.2
165°	2080.5	2092.7	2105.0	2108.0	2117.3	2129.5	2135.7	2154.4	2191.8	2219.8	2222.9
167.5°	2113.9	2119.7	2125.5	2126.9	2134.7	2145.1	2150.2	2162.4	2186.9	2205.3	2206.7
170°	2135.7	2141.5	2147.3	2148.7	2149.2	2149.8	2150.2	2162.4	2186.9	2205.3	2205.3
172.5°	2147.3	2148.6	2149.9	2150.2	2150.2	2150.2	2150.2	2159.9	2179.3	2193.8	2192.6
175°	2163.3	2163.3	2163.3	2163.3	2158.9	2153.1	2150.2	2156.4	2168.6	2177.8	2177.8
177.5°	2163.3	2163.3	2163.3	2163.3	2159.9	2155.3	2153.1	2158.0	2167.6	2174.9	2173.6
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2038.6	2032.9	2038.6	2034.8	2036.6	2031.0	2014.1	2008.5	2014.1	2019.7	2019.7
5°	2063.0	2059.3	2063.0	2063.0	2061.1	2057.4	2038.6	2034.8	2038.6	2040.5	2036.6
7.5°	2070.6	2064.9	2070.6	2066.7	2066.7	2063.0	2044.2	2040.5	2042.3	2047.9	2042.3
10°	2070.6	2064.9	2070.6	2068.7	2066.7	2063.0	2044.2	2036.6	2036.6	2042.3	2036.6
12.5°	2061.1	2057.4	2061.1	2057.4	2057.4	2053.6	2034.8	2027.3	2029.2	2031.0	2023.5
15°	2046.1	2040.5	2046.1	2042.3	2044.2	2038.6	2017.8	2010.4	2010.4	2014.1	2000.9
17.5°	2023.5	2016.0	2023.5	2021.7	2019.7	2016.0	1997.2	1989.7	1987.7	1989.7	1980.3
20°	1997.2	1991.6	1997.2	1995.3	1995.3	1987.7	1969.0	1959.6	1959.6	1959.6	1950.2
22.5°	1955.8	1950.2	1955.8	1959.6	1959.6	1957.6	1940.7	1927.6	1923.8	1923.8	1912.6
25°	1908.8	1903.2	1908.8	1908.8	1906.9	1908.8	1903.2	1895.7	1890.0	1884.4	1873.1
27.5°	1863.6	1859.9	1863.6	1859.9	1863.6	1858.0	1856.1	1854.3	1846.7	1841.1	1826.0
30°	1818.6	1814.7	1818.6	1814.7	1811.0	1807.3	1797.8	1794.1	1801.6	1797.8	1773.4
32.5°	1762.1	1758.4	1762.1	1762.1	1758.4	1758.4	1743.3	1737.6	1739.6	1750.8	1728.3
35°	1703.8	1698.2	1703.8	1701.9	1703.8	1698.2	1688.7	1686.9	1679.4	1692.6	1675.6
37.5°	1636.1	1630.5	1636.1	1636.1	1636.1	1639.8	1632.4	1626.7	1615.5	1632.4	1619.2
40°	1566.6	1559.0	1566.6	1564.6	1566.6	1570.3	1566.6	1562.7	1551.5	1564.6	1553.4
42.5°	1487.6	1485.6	1487.6	1489.5	1489.5	1496.9	1502.6	1495.1	1491.3	1481.9	1489.5
45°	1402.9	1399.2	1402.9	1406.6	1408.6	1412.3	1429.3	1429.3	1423.7	1408.6	1419.8
47.5°	1312.6	1303.3	1312.6	1323.9	1323.9	1329.6	1346.5	1359.6	1350.3	1331.5	1337.1
50°	1216.7	1218.6	1216.7	1224.3	1224.3	1244.9	1258.1	1271.3	1280.6	1258.1	1231.8
52.5°	1122.7	1120.8	1122.7	1128.4	1135.9	1145.3	1167.8	1181.0	1196.0	1182.9	1141.6
55°	1028.6	1032.5	1028.6	1030.6	1034.3	1040.0	1073.8	1087.0	1115.2	1098.3	1055.0
57.5°	934.6	929.0	934.6	938.4	940.3	945.9	974.2	998.5	1015.6	1017.4	964.7
60°	825.5	818.1	825.5	842.5	846.3	850.0	876.4	898.9	914.0	919.6	865.1
62.5°	729.6	716.5	729.6	740.9	748.5	757.9	776.6	810.6	823.7	825.5	748.5
65°	628.1	622.5	628.1	650.6	652.5	663.8	684.6	709.0	737.2	733.5	622.5
67.5°	536.0	536.0	536.0	551.0	562.3	567.9	594.3	605.6	641.3	645.0	519.0
70°	451.4	449.5	451.4	462.6	470.2	483.3	507.7	520.9	549.1	558.6	421.3
72.5°	370.5	368.6	370.5	379.9	387.4	398.7	419.4	434.5	458.8	470.2	327.2
75°	299.0	295.3	299.0	306.5	304.6	319.7	336.6	351.6	374.3	381.7	242.6
77.5°	229.5	229.5	229.5	236.9	236.9	252.0	259.6	278.4	291.5	302.8	178.6
80°	171.1	169.3	171.1	173.0	173.0	180.5	193.7	206.9	218.2	218.2	122.3
82.5°	120.4	116.6	120.4	120.4	120.4	124.1	131.6	135.4	142.9	148.5	77.1
85°	75.2	75.2	75.2	77.1	75.2	79.0	80.9	84.6	84.6	80.9	47.0
87.5°	48.9	47.0	48.9	47.0	47.0	45.1	45.1	45.1	43.3	41.4	26.4
90°	55.1	55.1	55.1	55.1	55.1	73.6	98.1	110.3	94.8	63.8	40.7
92.5°	221.0	177.1	221.0	264.9	275.8	391.0	544.6	621.4	545.6	394.0	280.2
95°	770.3	637.4	770.3	903.2	936.5	1229.7	1620.7	1816.2	1533.9	969.3	545.9
97.5°	1845.6	1592.6	1845.6	2098.5	2161.8	2347.1	2594.3	2717.8	2247.1	1305.7	599.6
100°	2659.1	2357.8	2659.1	2960.5	3035.8	3022.3	3004.2	2995.2	2472.9	1428.1	644.7
102.5°	3459.4	3201.4	3459.4	3717.6	3782.1	3545.9	3231.0	3073.6	2543.8	1484.3	689.6
105°	4479.8	4341.1	4479.8	4618.5	4653.2	4123.7	3417.8	3064.8	2551.8	1525.9	756.5
107.5°	5148.1	5181.6	5148.1	5114.5	5106.1	4367.6	3383.0	2890.7	2438.4	1533.7	855.2
110°	5403.0	5547.5	5403.0	5258.5	5222.3	4396.7	3295.9	2745.4	2337.6	1522.0	910.3



TEST NUMBER: P935429

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5425.7	5647.7	5425.7	5203.8	5148.3	4303.3	3176.7	2613.3	2249.7	1522.4	977.0
115°	5281.8	5589.6	5281.8	4974.0	4897.1	4083.1	2997.8	2455.1	2148.9	1536.6	1077.2
117.5°	4976.7	5318.1	4976.7	4635.4	4550.1	3815.5	2836.0	2346.2	2085.8	1565.1	1174.6
120°	4730.9	5062.6	4730.9	4399.3	4316.4	3645.2	2750.2	2302.6	2064.6	1588.3	1231.2
122.5°	4491.5	4818.7	4491.5	4164.4	4082.6	3478.1	2672.2	2269.3	2053.5	1621.7	1297.9
125°	4150.0	4451.4	4150.0	3848.7	3773.3	3259.9	2575.2	2232.9	2044.2	1666.8	1383.6
127.5°	3842.9	4097.1	3842.9	3588.6	3525.1	3084.2	2496.3	2202.4	2038.9	1711.7	1466.4
130°	3661.9	3896.8	3661.9	3427.0	3368.3	2975.8	2452.5	2190.9	2042.1	1744.6	1521.5
132.5°	3497.7	3708.0	3497.7	3287.4	3234.7	2883.4	2414.9	2180.7	2044.2	1771.3	1566.6
135°	3272.6	3453.9	3272.6	3091.4	3046.0	2751.8	2359.5	2163.3	2042.3	1800.3	1618.8
137.5°	3092.1	3240.5	3092.1	2943.7	2906.6	2657.8	2326.2	2160.4	2054.9	1843.8	1685.6
140°	2968.3	3107.0	2968.3	2829.4	2794.8	2579.9	2293.4	2150.2	2056.9	1870.4	1730.6
142.5°	2865.6	2985.0	2865.6	2746.3	2716.4	2527.7	2276.0	2150.2	2064.4	1892.7	1764.0
145°	2711.7	2802.1	2711.7	2621.4	2598.8	2444.4	2238.6	2135.7	2064.4	1921.8	1814.8
147.5°	2593.6	2668.5	2593.6	2518.8	2500.1	2378.6	2216.7	2135.7	2078.6	1964.4	1878.7
150°	2519.3	2580.0	2519.3	2458.6	2443.4	2340.9	2204.1	2135.7	2086.0	1986.6	1912.1
152.5°	2455.8	2501.6	2455.8	2410.0	2398.5	2310.9	2194.1	2135.7	2090.8	2001.2	1933.9
155°	2382.7	2412.9	2382.7	2352.3	2344.7	2275.1	2182.2	2135.7	2101.5	2033.1	1981.8
157.5°	2324.9	2346.2	2324.9	2303.6	2298.3	2244.0	2171.8	2135.7	2112.2	2065.0	2029.7
160°	2290.4	2302.6	2290.4	2278.2	2275.1	2228.6	2166.6	2135.7	2117.0	2079.5	2051.5
162.5°	2267.8	2279.4	2267.8	2256.2	2253.3	2214.1	2161.9	2135.7	2122.2	2095.1	2074.7
165°	2235.2	2247.5	2235.2	2222.9	2219.8	2191.8	2154.4	2135.7	2129.5	2117.3	2108.0
167.5°	2211.8	2216.9	2211.8	2206.7	2205.3	2186.9	2162.4	2150.2	2145.1	2134.7	2126.9
170°	2205.3	2205.3	2205.3	2205.3	2205.3	2186.9	2162.4	2150.2	2149.8	2149.2	2148.7
172.5°	2188.1	2183.6	2188.1	2192.6	2193.8	2179.3	2159.9	2150.2	2150.2	2150.2	2150.2
175°	2177.8	2177.8	2177.8	2177.8	2177.8	2168.6	2156.4	2150.2	2153.1	2158.9	2163.3
177.5°	2168.4	2163.3	2168.4	2173.6	2174.9	2167.6	2158.0	2153.1	2155.3	2159.9	2163.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2016.0	2004.7	2004.7	1985.9	1978.4	1972.7	1963.3	1935.1	1927.6	1920.1	1931.4
5°	2032.9	2012.2	1997.2	1963.3	1935.1	1923.8	1888.1	1820.4	1775.3	1741.5	1722.7
7.5°	2036.6	2010.4	1982.1	1929.5	1861.7	1831.6	1722.7	1598.5	1564.6	1534.6	1515.7
10°	2032.9	2002.8	1963.3	1884.4	1724.5	1671.8	1562.7	1481.9	1461.2	1455.6	1461.2
12.5°	2019.7	1991.6	1937.0	1805.4	1581.6	1545.8	1481.9	1434.9	1431.1	1440.6	1491.3
15°	1997.2	1970.8	1906.9	1700.0	1502.6	1476.3	1431.1	1414.2	1434.9	1500.7	1653.0
17.5°	1974.7	1944.6	1865.6	1596.7	1442.4	1423.7	1391.6	1425.5	1542.1	1630.5	1681.3
20°	1944.6	1908.8	1818.6	1521.4	1399.2	1382.2	1367.2	1519.6	1607.9	1639.8	1668.1
22.5°	1908.8	1871.2	1754.6	1468.7	1354.0	1340.8	1350.3	1572.2	1607.9	1630.5	1654.9
25°	1861.7	1829.8	1679.4	1427.4	1318.3	1303.3	1339.0	1566.6	1587.2	1592.8	1641.7
27.5°	1818.6	1777.2	1600.4	1389.7	1275.0	1269.4	1348.4	1542.1	1557.1	1562.7	1615.5
30°	1765.8	1703.8	1512.0	1350.3	1229.9	1228.0	1350.3	1512.0	1508.2	1523.3	1575.9
32.5°	1711.4	1594.7	1412.3	1301.4	1186.6	1184.7	1337.1	1466.8	1463.1	1483.8	1523.3
35°	1660.6	1510.1	1276.9	1244.9	1132.1	1134.0	1305.1	1414.2	1416.1	1434.9	1459.4
37.5°	1607.9	1436.7	1128.4	1182.9	1079.5	1079.5	1261.9	1365.3	1361.6	1367.2	1401.0
40°	1545.8	1322.0	996.7	1102.0	1030.6	1024.9	1209.2	1312.6	1299.5	1297.7	1344.6
42.5°	1480.0	1196.0	898.9	994.8	974.2	966.6	1145.3	1248.7	1224.3	1229.9	1290.1
45°	1408.6	1162.2	823.7	840.6	915.8	910.2	1075.7	1175.4	1158.5	1173.5	1235.6
47.5°	1337.1	1094.5	799.3	697.7	853.8	851.9	998.5	1103.9	1094.5	1109.6	1175.4
50°	1239.3	1019.3	797.4	598.0	784.2	791.7	906.5	1034.3	1034.3	1047.5	1117.1
52.5°	1113.3	927.1	724.0	541.6	703.4	725.9	825.5	974.2	977.9	991.1	1053.1
55°	998.5	831.2	671.4	498.4	607.5	656.4	746.5	912.1	919.6	932.7	989.2
57.5°	893.3	692.1	660.1	447.5	519.0	566.1	677.0	851.9	855.6	866.9	921.5
60°	780.5	500.3	605.6	393.0	441.9	477.6	613.1	780.5	793.6	801.1	848.2
62.5°	652.5	362.9	549.1	355.5	404.4	411.8	560.4	712.7	729.6	735.3	763.6
65°	464.5	304.6	466.4	323.5	364.8	366.7	504.0	643.2	658.2	667.6	688.3
67.5°	314.1	248.3	355.5	293.4	334.7	336.6	449.5	562.3	583.0	590.5	603.6
70°	218.2	165.5	263.3	261.4	300.9	304.6	391.2	488.9	507.7	513.4	520.9
72.5°	159.8	133.5	218.2	235.1	265.2	268.9	331.0	406.2	425.0	430.6	434.5
75°	122.3	141.0	176.8	205.0	225.6	227.5	270.8	331.0	344.2	347.9	349.8
77.5°	97.8	131.6	129.7	165.5	184.3	180.5	212.6	255.7	267.0	267.0	267.0
80°	73.4	103.5	97.8	118.5	135.4	131.6	152.4	182.5	186.2	189.9	188.1
82.5°	54.5	65.8	65.8	75.2	90.3	86.6	101.5	118.5	118.5	118.5	122.3
85°	33.8	37.6	30.1	39.5	50.8	48.9	56.5	63.9	65.8	65.8	62.1
87.5°	20.7	16.9	9.4	15.0	22.5	22.5	26.4	28.2	26.4	26.4	26.4
90°	37.8	26.1	14.5	26.1	37.8	40.7	63.8	94.8	110.3	98.1	73.6
92.5°	255.5	156.8	58.0	156.8	255.5	280.2	394.0	545.6	621.4	544.6	391.0
95°	500.7	320.0	139.4	320.0	500.7	545.9	969.3	1533.9	1816.2	1620.7	1229.7
97.5°	559.8	400.3	241.0	400.3	559.8	599.6	1305.7	2247.1	2717.8	2594.3	2347.1
100°	608.5	464.0	319.4	464.0	608.5	644.7	1428.1	2472.9	2995.2	3004.2	3022.3
102.5°	655.9	521.1	386.2	521.1	655.9	689.6	1484.3	2543.8	3073.6	3231.0	3545.9
105°	727.9	613.6	499.4	613.6	727.9	756.5	1525.9	2551.8	3064.8	3417.8	4123.7
107.5°	828.5	722.1	615.6	722.1	828.5	855.2	1533.7	2438.4	2890.7	3383.0	4367.6
110°	886.3	790.1	694.0	790.1	886.3	910.3	1522.0	2337.6	2745.4	3295.9	4396.7



TEST NUMBER: P935429

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	954.1	862.5	770.9	862.5	954.1	977.0	1522.4	2249.7	2613.3	3176.7	4303.3
115°	1056.1	971.5	887.0	971.5	1056.1	1077.2	1536.6	2148.9	2455.1	2997.8	4083.1
117.5°	1155.4	1078.6	1001.8	1078.6	1155.4	1174.6	1565.1	2085.8	2346.2	2836.0	3815.5
120°	1213.2	1140.8	1068.6	1140.8	1213.2	1231.2	1588.3	2064.6	2302.6	2750.2	3645.2
122.5°	1279.7	1206.8	1133.9	1206.8	1279.7	1297.9	1621.7	2053.5	2269.3	2672.2	3478.1
125°	1367.0	1300.5	1234.1	1300.5	1367.0	1383.6	1666.8	2044.2	2232.9	2575.2	3259.9
127.5°	1449.6	1382.5	1315.4	1382.5	1449.6	1466.4	1711.7	2038.9	2202.4	2496.3	3084.2
130°	1503.5	1431.2	1359.0	1431.2	1503.5	1521.5	1744.6	2042.1	2190.9	2452.5	2975.8
132.5°	1548.5	1476.2	1403.9	1476.2	1548.5	1566.6	1771.3	2044.2	2180.7	2414.9	2883.4
135°	1602.4	1536.6	1470.8	1536.6	1602.4	1618.8	1800.3	2042.3	2163.3	2359.5	2751.8
137.5°	1669.3	1604.1	1539.0	1604.1	1669.3	1685.6	1843.8	2054.9	2160.4	2326.2	2657.8
140°	1715.6	1655.6	1595.5	1655.6	1715.6	1730.6	1870.4	2056.9	2150.2	2293.4	2579.9
142.5°	1750.1	1694.6	1639.1	1694.6	1750.1	1764.0	1892.7	2064.4	2150.2	2276.0	2527.7
145°	1802.8	1754.3	1705.9	1754.3	1802.8	1814.8	1921.8	2064.4	2135.7	2238.6	2444.4
147.5°	1866.9	1819.8	1772.7	1819.8	1866.9	1878.7	1964.4	2078.6	2135.7	2216.7	2378.6
150°	1901.5	1858.8	1816.2	1858.8	1901.5	1912.1	1986.6	2086.0	2135.7	2204.1	2340.9
152.5°	1925.9	1893.5	1861.3	1893.5	1925.9	1933.9	2001.2	2090.8	2135.7	2194.1	2310.9
155°	1975.8	1951.9	1928.0	1951.9	1975.8	1981.8	2033.1	2101.5	2135.7	2182.2	2275.1
157.5°	2023.9	2000.6	1977.5	2000.6	2023.9	2029.7	2065.0	2112.2	2135.7	2171.8	2244.0
160°	2047.0	2028.9	2010.8	2028.9	2047.0	2051.5	2079.5	2117.0	2135.7	2166.6	2228.6
162.5°	2071.3	2057.8	2044.2	2057.8	2071.3	2074.7	2095.1	2122.2	2135.7	2161.9	2214.1
165°	2105.0	2092.7	2080.5	2092.7	2105.0	2108.0	2117.3	2129.5	2135.7	2154.4	2191.8
167.5°	2125.5	2119.7	2113.9	2119.7	2125.5	2126.9	2134.7	2145.1	2150.2	2162.4	2186.9
170°	2147.3	2141.5	2135.7	2141.5	2147.3	2148.7	2149.2	2149.8	2150.2	2162.4	2186.9
172.5°	2149.9	2148.6	2147.3	2148.6	2149.9	2150.2	2150.2	2150.2	2150.2	2159.9	2179.3
175°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2158.9	2153.1	2150.2	2168.6
177.5°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2159.9	2155.3	2153.1	2167.6
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



TEST NUMBER: P935429

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1918.2	1912.6	1920.1	1899.4	1920.1	1912.6	1918.2	1931.4	1920.1	1927.6	1935.1
5°	1683.1	1673.7	1643.7	1619.2	1643.7	1673.7	1683.1	1722.7	1741.5	1775.3	1820.4
7.5°	1504.5	1496.9	1489.5	1474.4	1489.5	1496.9	1504.5	1515.7	1534.6	1564.6	1598.5
10°	1465.0	1466.8	1478.1	1476.3	1478.1	1466.8	1465.0	1461.2	1455.6	1461.2	1481.9
12.5°	1566.6	1583.5	1645.5	1641.7	1645.5	1583.5	1566.6	1491.3	1440.6	1431.1	1434.9
15°	1683.1	1688.7	1701.9	1703.8	1701.9	1688.7	1683.1	1653.0	1500.7	1434.9	1414.2
17.5°	1694.4	1696.3	1705.7	1705.7	1705.7	1696.3	1694.4	1681.3	1630.5	1542.1	1425.5
20°	1685.0	1688.7	1707.6	1711.4	1707.6	1688.7	1685.0	1668.1	1639.8	1607.9	1519.6
22.5°	1681.3	1688.7	1703.8	1701.9	1703.8	1688.7	1681.3	1654.9	1630.5	1607.9	1572.2
25°	1662.5	1662.5	1664.3	1666.2	1664.3	1662.5	1662.5	1641.7	1592.8	1587.2	1566.6
27.5°	1622.9	1626.7	1638.0	1636.1	1638.0	1626.7	1622.9	1615.5	1562.7	1557.1	1542.1
30°	1587.2	1583.5	1574.0	1566.6	1574.0	1583.5	1587.2	1575.9	1523.3	1508.2	1512.0
32.5°	1527.0	1517.6	1508.2	1502.6	1508.2	1517.6	1527.0	1523.3	1483.8	1463.1	1466.8
35°	1455.6	1457.5	1455.6	1449.9	1455.6	1457.5	1455.6	1459.4	1434.9	1416.1	1414.2
37.5°	1404.8	1408.6	1406.6	1399.2	1406.6	1408.6	1404.8	1401.0	1367.2	1361.6	1365.3
40°	1352.1	1354.0	1352.1	1346.5	1352.1	1354.0	1352.1	1344.6	1297.7	1299.5	1312.6
42.5°	1301.4	1299.5	1293.8	1290.1	1293.8	1299.5	1301.4	1290.1	1229.9	1224.3	1248.7
45°	1243.1	1244.9	1233.6	1228.0	1233.6	1244.9	1243.1	1235.6	1173.5	1158.5	1175.4
47.5°	1184.7	1184.7	1175.4	1169.7	1175.4	1184.7	1184.7	1175.4	1109.6	1094.5	1103.9
50°	1122.7	1120.8	1107.6	1105.8	1107.6	1120.8	1122.7	1117.1	1047.5	1034.3	1034.3
52.5°	1051.3	1051.3	1053.1	1056.9	1053.1	1051.3	1051.3	1053.1	991.1	977.9	974.2
55°	989.2	991.1	1004.2	1008.0	1004.2	991.1	989.2	989.2	932.7	919.6	912.1
57.5°	925.3	925.3	934.6	934.6	934.6	925.3	925.3	921.5	866.9	855.6	851.9
60°	851.9	855.6	863.2	861.3	863.2	855.6	851.9	848.2	801.1	793.6	780.5
62.5°	774.8	778.6	780.5	776.6	780.5	778.6	774.8	763.6	735.3	729.6	712.7
65°	693.9	697.7	699.5	695.8	699.5	697.7	693.9	688.3	667.6	658.2	643.2
67.5°	611.2	609.3	607.5	614.9	607.5	609.3	611.2	603.6	590.5	583.0	562.3
70°	526.5	526.5	524.7	528.5	524.7	526.5	526.5	520.9	513.4	507.7	488.9
72.5°	436.3	434.5	441.9	436.3	441.9	434.5	436.3	434.5	430.6	425.0	406.2
75°	347.9	351.6	347.9	353.5	347.9	351.6	347.9	349.8	347.9	344.2	331.0
77.5°	265.2	268.9	265.2	265.2	265.2	268.9	265.2	267.0	267.0	267.0	255.7
80°	188.1	186.2	186.2	184.3	186.2	186.2	188.1	188.1	189.9	186.2	182.5
82.5°	120.4	118.5	118.5	122.3	118.5	118.5	120.4	122.3	118.5	118.5	118.5
85°	65.8	67.7	63.9	63.9	63.9	67.7	65.8	62.1	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.4	26.4	26.4	28.2
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.6	98.1	110.3	94.8
92.5°	275.8	264.9	221.0	177.1	221.0	264.9	275.8	391.0	544.6	621.4	545.6
95°	936.5	903.2	770.3	637.4	770.3	903.2	936.5	1229.7	1620.7	1816.2	1533.9
97.5°	2161.8	2098.5	1845.6	1592.6	1845.6	2098.5	2161.8	2347.1	2594.3	2717.8	2247.1
100°	3035.8	2960.5	2659.1	2357.8	2659.1	2960.5	3035.8	3022.3	3004.2	2995.2	2472.9
102.5°	3782.1	3717.6	3459.4	3201.4	3459.4	3717.6	3782.1	3545.9	3231.0	3073.6	2543.8
105°	4653.2	4618.5	4479.8	4341.1	4479.8	4618.5	4653.2	4123.7	3417.8	3064.8	2551.8
107.5°	5106.1	5114.5	5148.1	5181.6	5148.1	5114.5	5106.1	4367.6	3383.0	2890.7	2438.4
110°	5222.3	5258.5	5403.0	5547.5	5403.0	5258.5	5222.3	4396.7	3295.9	2745.4	2337.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5148.3	5203.8	5425.7	5647.7	5425.7	5203.8	5148.3	4303.3	3176.7	2613.3	2249.7
115°	4897.1	4974.0	5281.8	5589.6	5281.8	4974.0	4897.1	4083.1	2997.8	2455.1	2148.9
117.5°	4550.1	4635.4	4976.7	5318.1	4976.7	4635.4	4550.1	3815.5	2836.0	2346.2	2085.8
120°	4316.4	4399.3	4730.9	5062.6	4730.9	4399.3	4316.4	3645.2	2750.2	2302.6	2064.6
122.5°	4082.6	4164.4	4491.5	4818.7	4491.5	4164.4	4082.6	3478.1	2672.2	2269.3	2053.5
125°	3773.3	3848.7	4150.0	4451.4	4150.0	3848.7	3773.3	3259.9	2575.2	2232.9	2044.2
127.5°	3525.1	3588.6	3842.9	4097.1	3842.9	3588.6	3525.1	3084.2	2496.3	2202.4	2038.9
130°	3368.3	3427.0	3661.9	3896.8	3661.9	3427.0	3368.3	2975.8	2452.5	2190.9	2042.1
132.5°	3234.7	3287.4	3497.7	3708.0	3497.7	3287.4	3234.7	2883.4	2414.9	2180.7	2044.2
135°	3046.0	3091.4	3272.6	3453.9	3272.6	3091.4	3046.0	2751.8	2359.5	2163.3	2042.3
137.5°	2906.6	2943.7	3092.1	3240.5	3092.1	2943.7	2906.6	2657.8	2326.2	2160.4	2054.9
140°	2794.8	2829.4	2968.3	3107.0	2968.3	2829.4	2794.8	2579.9	2293.4	2150.2	2056.9
142.5°	2716.4	2746.3	2865.6	2985.0	2865.6	2746.3	2716.4	2527.7	2276.0	2150.2	2064.4
145°	2598.8	2621.4	2711.7	2802.1	2711.7	2621.4	2598.8	2444.4	2238.6	2135.7	2064.4
147.5°	2500.1	2518.8	2593.6	2668.5	2593.6	2518.8	2500.1	2378.6	2216.7	2135.7	2078.6
150°	2443.4	2458.6	2519.3	2580.0	2519.3	2458.6	2443.4	2340.9	2204.1	2135.7	2086.0
152.5°	2398.5	2410.0	2455.8	2501.6	2455.8	2410.0	2398.5	2310.9	2194.1	2135.7	2090.8
155°	2344.7	2352.3	2382.7	2412.9	2382.7	2352.3	2344.7	2275.1	2182.2	2135.7	2101.5
157.5°	2298.3	2303.6	2324.9	2346.2	2324.9	2303.6	2298.3	2244.0	2171.8	2135.7	2112.2
160°	2275.1	2278.2	2290.4	2302.6	2290.4	2278.2	2275.1	2228.6	2166.6	2135.7	2117.0
162.5°	2253.3	2256.2	2267.8	2279.4	2267.8	2256.2	2253.3	2214.1	2161.9	2135.7	2122.2
165°	2219.8	2222.9	2235.2	2247.5	2235.2	2222.9	2219.8	2191.8	2154.4	2135.7	2129.5
167.5°	2205.3	2206.7	2211.8	2216.9	2211.8	2206.7	2205.3	2186.9	2162.4	2150.2	2145.1
170°	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2186.9	2162.4	2150.2	2149.8
172.5°	2193.8	2192.6	2188.1	2183.6	2188.1	2192.6	2193.8	2179.3	2159.9	2150.2	2150.2
175°	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2168.6	2156.4	2150.2	2153.1
177.5°	2174.9	2173.6	2168.4	2163.3	2168.4	2173.6	2174.9	2167.6	2158.0	2153.1	2155.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1963.3	1972.7	1978.4	1985.9	2004.7
5°	1888.1	1923.8	1935.1	1963.3	1997.2
7.5°	1722.7	1831.6	1861.7	1929.5	1982.1
10°	1562.7	1671.8	1724.5	1884.4	1963.3
12.5°	1481.9	1545.8	1581.6	1805.4	1937.0
15°	1431.1	1476.3	1502.6	1700.0	1906.9
17.5°	1391.6	1423.7	1442.4	1596.7	1865.6
20°	1367.2	1382.2	1399.2	1521.4	1818.6
22.5°	1350.3	1340.8	1354.0	1468.7	1754.6
25°	1339.0	1303.3	1318.3	1427.4	1679.4
27.5°	1348.4	1269.4	1275.0	1389.7	1600.4
30°	1350.3	1228.0	1229.9	1350.3	1512.0
32.5°	1337.1	1184.7	1186.6	1301.4	1412.3
35°	1305.1	1134.0	1132.1	1244.9	1276.9
37.5°	1261.9	1079.5	1079.5	1182.9	1128.4
40°	1209.2	1024.9	1030.6	1102.0	996.7
42.5°	1145.3	966.6	974.2	994.8	898.9
45°	1075.7	910.2	915.8	840.6	823.7
47.5°	998.5	851.9	853.8	697.7	799.3
50°	906.5	791.7	784.2	598.0	797.4
52.5°	825.5	725.9	703.4	541.6	724.0
55°	746.5	656.4	607.5	498.4	671.4
57.5°	677.0	566.1	519.0	447.5	660.1
60°	613.1	477.6	441.9	393.0	605.6
62.5°	560.4	411.8	404.4	355.5	549.1
65°	504.0	366.7	364.8	323.5	466.4
67.5°	449.5	336.6	334.7	293.4	355.5
70°	391.2	304.6	300.9	261.4	263.3
72.5°	331.0	268.9	265.2	235.1	218.2
75°	270.8	227.5	225.6	205.0	176.8
77.5°	212.6	180.5	184.3	165.5	129.7
80°	152.4	131.6	135.4	118.5	97.8
82.5°	101.5	86.6	90.3	75.2	65.8
85°	56.5	48.9	50.8	39.5	30.1
87.5°	26.4	22.5	22.5	15.0	9.4
90°	63.8	40.7	37.8	26.1	14.5
92.5°	394.0	280.2	255.5	156.8	58.0
95°	969.3	545.9	500.7	320.0	139.4
97.5°	1305.7	599.6	559.8	400.3	241.0
100°	1428.1	644.7	608.5	464.0	319.4
102.5°	1484.3	689.6	655.9	521.1	386.2
105°	1525.9	756.5	727.9	613.6	499.4
107.5°	1533.7	855.2	828.5	722.1	615.6
110°	1522.0	910.3	886.3	790.1	694.0



TEST NUMBER: P935429

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1522.4	977.0	954.1	862.5	770.9
115°	1536.6	1077.2	1056.1	971.5	887.0
117.5°	1565.1	1174.6	1155.4	1078.6	1001.8
120°	1588.3	1231.2	1213.2	1140.8	1068.6
122.5°	1621.7	1297.9	1279.7	1206.8	1133.9
125°	1666.8	1383.6	1367.0	1300.5	1234.1
127.5°	1711.7	1466.4	1449.6	1382.5	1315.4
130°	1744.6	1521.5	1503.5	1431.2	1359.0
132.5°	1771.3	1566.6	1548.5	1476.2	1403.9
135°	1800.3	1618.8	1602.4	1536.6	1470.8
137.5°	1843.8	1685.6	1669.3	1604.1	1539.0
140°	1870.4	1730.6	1715.6	1655.6	1595.5
142.5°	1892.7	1764.0	1750.1	1694.6	1639.1
145°	1921.8	1814.8	1802.8	1754.3	1705.9
147.5°	1964.4	1878.7	1866.9	1819.8	1772.7
150°	1986.6	1912.1	1901.5	1858.8	1816.2
152.5°	2001.2	1933.9	1925.9	1893.5	1861.3
155°	2033.1	1981.8	1975.8	1951.9	1928.0
157.5°	2065.0	2029.7	2023.9	2000.6	1977.5
160°	2079.5	2051.5	2047.0	2028.9	2010.8
162.5°	2095.1	2074.7	2071.3	2057.8	2044.2
165°	2117.3	2108.0	2105.0	2092.7	2080.5
167.5°	2134.7	2126.9	2125.5	2119.7	2113.9
170°	2149.2	2148.7	2147.3	2141.5	2135.7
172.5°	2150.2	2150.2	2149.9	2148.6	2147.3
175°	2158.9	2163.3	2163.3	2163.3	2163.3
177.5°	2159.9	2163.3	2163.3	2163.3	2163.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3



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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	8.47	9.15	9.60	10.28	11.84	11.32	12.00	12.45	13.13	14.70
	3H	8.93	9.54	10.07	10.68	12.26	12.66	13.27	13.80	14.40	15.99
	4H	9.11	9.70	10.26	10.83	12.42	13.10	13.68	14.25	14.81	16.40
	6H	9.22	9.76	10.38	10.89	12.49	13.38	13.91	14.54	15.05	16.65
	8H	9.22	9.73	10.38	10.88	12.47	13.45	13.96	14.61	15.11	16.70
	12H	9.18	9.67	10.35	10.81	12.43	13.49	13.97	14.65	15.11	16.73
4H	2H	9.48	10.07	10.64	11.20	12.79	11.70	12.29	12.86	13.42	15.01
	3H	10.49	10.98	11.66	12.14	13.74	13.20	13.69	14.36	14.84	16.44
	4H	10.76	11.21	11.93	12.36	13.98	13.72	14.17	14.89	15.32	16.94
	6H	10.88	11.26	12.05	12.43	14.04	14.09	14.47	15.26	15.64	17.25
	8H	10.88	11.24	12.05	12.40	14.02	14.19	14.55	15.36	15.71	17.34
	12H	10.84	11.16	12.02	12.33	13.96	14.24	14.57	15.43	15.74	17.37
8H	4H	11.20	11.56	12.37	12.72	14.35	13.83	14.19	15.00	15.35	16.98
	6H	11.46	11.75	12.65	12.96	14.58	14.27	14.56	15.46	15.77	17.39
	8H	11.50	11.76	12.69	12.94	14.58	14.42	14.68	15.62	15.86	17.50
	12H	11.48	11.70	12.67	12.88	14.55	14.52	14.74	15.72	15.92	17.60
12H	4H	11.20	11.53	12.39	12.70	14.33	13.79	14.11	14.98	15.29	16.92
	6H	11.52	11.78	12.71	12.96	14.60	14.26	14.52	15.46	15.70	17.35
	8H	11.58	11.80	12.78	12.98	14.66	14.42	14.65	15.62	15.83	17.50