

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: P935080

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935080
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

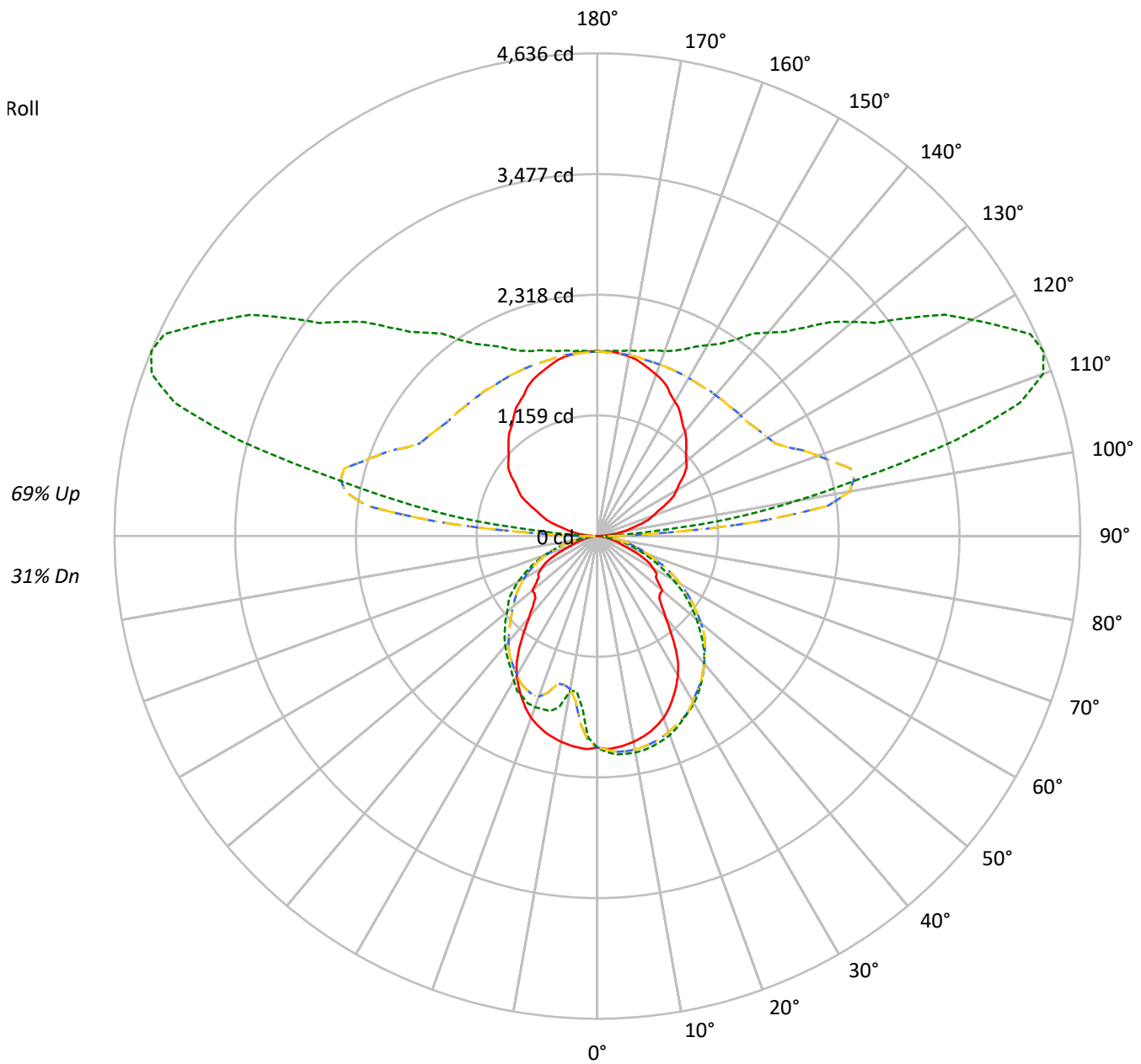
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16783.2 lumens
Efficiency: N/A
Efficacy: 135.8 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): 123.6
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6331	6341	6331	4986
10°	6291	6246	6291	4466
15°	6225	6111	6225	5103
20°	6097	5951	6097	5114
25°	5833	5717	5833	5005
30°	5491	5523	5491	4768
35°	4898	5277	4898	4506
40°	4083	4988	4083	4308
45°	3651	4650	3651	4081
50°	3882	4246	3882	3853
55°	3656	3812	3656	3721
60°	3773	3237	3773	3408
65°	3426	2676	3426	2991
70°	2378	2133	2378	2508
75°	2093	1577	2093	1888
80°	1699	1043	1699	1135
85°	998	552	998	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5592 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	1.1
10°-20°	520.5	3.1
20°-30°	804.6	4.8
30°-40°	960.6	5.7
40°-50°	966.2	5.8
50°-60°	840.7	5.0
60°-70°	596.1	3.6
70°-80°	315.4	1.9
80°-90°	85.3	0.5
90°-100°	865.5	5.2
100°-110°	2275.5	13.6
110°-120°	2359.4	14.1
120°-130°	1892.6	11.3
130°-140°	1485.0	8.8
140°-150°	1139.8	6.8
150°-160°	820.8	4.9
160°-170°	502.2	3.0
170°-180°	169.7	1.0
0°-30°	1508.5	9.0
0°-40°	2469.0	14.7
0°-60°	4275.9	25.5
0°-90°	5272.7	31.4
90°-120°	5500.5	32.8
90°-150°	10017.8	59.7
90°-180°	11511.0	68.6
0°-180°	16783.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2031	2031	2031	2031	2031	
5°	2040	2104	2040	1654	2040	194
15°	1948	2085	1948	1741	1948	548
25°	1716	1944	1716	1702	1716	788
35°	1305	1735	1305	1481	1305	807
45°	842	1430	842	1255	842	674
55°	686	1055	686	1030	686	630
65°	476	636	476	711	476	455
75°	181	302	181	361	181	190
85°	31	77	31	65	31	42
90°	12	45	12	45	12	11
95°	114	523	114	523	114	127
105°	410	3563	410	3563	410	435
115°	728	4588	728	4588	728	719
125°	1013	3654	1013	3654	1013	899
135°	1207	2835	1207	2835	1207	934
145°	1400	2300	1400	2300	1400	877
155°	1582	1981	1582	1981	1582	727
165°	1708	1845	1708	1845	1708	482
175°	1776	1788	1776	1788	1776	169
180°	1776	1776	1776	1776	1776	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2048.2	2048.2	2059.7	2063.6	2063.6	2057.8	2052.1	2057.8	2075.1	2080.8	2078.9
5°	2040.5	2055.9	2077.0	2080.8	2084.8	2082.9	2078.9	2082.9	2102.1	2105.9	2107.8
7.5°	2025.2	2054.0	2080.8	2086.7	2092.4	2086.7	2084.8	2088.6	2107.8	2111.6	2111.6
10°	2006.0	2046.3	2077.0	2080.8	2086.7	2080.8	2080.8	2088.6	2107.8	2111.6	2113.6
12.5°	1979.0	2034.8	2063.6	2067.5	2075.1	2073.2	2071.3	2078.9	2098.2	2102.1	2102.1
15°	1948.3	2013.6	2040.5	2044.4	2057.8	2054.0	2054.0	2061.7	2082.9	2088.6	2086.7
17.5°	1906.1	1986.8	2017.5	2023.3	2032.9	2030.9	2032.9	2040.5	2059.7	2063.6	2065.6
20°	1858.0	1950.2	1986.8	1992.5	2002.2	2002.2	2002.2	2011.7	2030.9	2038.6	2038.6
22.5°	1792.7	1911.8	1950.2	1954.1	1965.6	1965.6	1969.5	1982.9	2000.2	2002.2	2002.2
25°	1715.8	1869.5	1902.2	1913.7	1925.3	1931.0	1936.8	1944.5	1950.2	1948.3	1950.2
27.5°	1635.2	1815.7	1858.0	1865.7	1881.1	1886.8	1894.5	1896.4	1898.3	1904.1	1900.3
30°	1544.8	1740.8	1804.2	1811.9	1836.8	1840.8	1833.0	1836.8	1846.5	1850.3	1854.1
32.5°	1443.0	1629.3	1748.5	1765.8	1788.8	1777.4	1775.3	1781.2	1796.5	1796.5	1800.4
35°	1304.6	1542.9	1696.7	1712.0	1729.3	1715.8	1723.5	1725.4	1735.0	1740.8	1738.9
37.5°	1152.9	1467.9	1642.8	1654.3	1667.8	1650.5	1662.0	1667.8	1675.5	1671.6	1671.6
40°	1018.3	1350.8	1579.4	1587.1	1598.6	1585.2	1596.7	1600.6	1604.4	1600.6	1598.6
42.5°	918.4	1222.0	1512.1	1521.8	1514.1	1523.7	1527.5	1535.3	1529.4	1521.8	1521.8
45°	841.5	1187.4	1439.2	1450.6	1439.2	1454.6	1460.3	1460.3	1443.0	1439.2	1437.2
47.5°	816.6	1118.3	1366.1	1366.1	1360.4	1379.6	1389.1	1375.8	1358.5	1352.7	1352.7
50°	814.7	1041.4	1266.2	1258.5	1285.4	1308.4	1298.9	1285.4	1272.0	1250.9	1250.9
52.5°	739.7	947.3	1137.5	1166.3	1208.6	1222.0	1206.6	1193.2	1170.2	1160.5	1152.9
55°	686.0	849.3	1020.2	1077.9	1122.1	1139.4	1110.6	1097.1	1062.5	1056.8	1053.0
57.5°	674.4	707.1	912.7	985.7	1039.5	1037.6	1020.2	995.3	966.5	960.7	958.8
60°	618.7	511.1	797.4	883.9	939.5	933.8	918.4	895.4	868.5	864.7	860.8
62.5°	561.1	370.8	666.7	764.8	843.5	841.5	828.2	793.5	774.3	764.8	757.0
65°	476.5	311.2	474.6	636.0	749.4	753.2	724.4	699.4	678.2	666.7	664.8
67.5°	363.2	253.6	320.9	530.3	659.0	655.2	618.7	607.2	580.3	574.5	563.0
70°	269.0	169.1	222.9	430.4	570.7	561.1	532.2	518.8	493.8	480.4	472.6
72.5°	222.9	136.4	163.3	334.3	480.4	468.8	443.9	428.5	407.3	395.8	388.1
75°	180.6	144.1	124.9	247.8	390.0	382.4	359.3	343.9	326.6	311.2	313.1
77.5°	132.6	134.5	99.9	182.5	309.3	297.9	284.4	265.2	257.5	242.1	242.1
80°	99.9	105.7	75.0	124.9	222.9	222.9	211.3	197.9	184.4	176.8	176.8
82.5°	67.2	67.2	55.7	78.8	151.7	146.0	138.4	134.5	126.8	123.0	123.0
85°	30.8	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.7	76.9	78.8
87.5°	9.6	17.3	21.1	26.9	42.3	44.2	46.1	46.1	46.1	48.0	48.0
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0	226.4	217.5
95°	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3	768.6	741.3
97.5°	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5	1774.4	1722.5
100°	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7	2491.8	2430.0
102.5°	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5	3104.3	3051.3
105°	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8	3819.3	3790.9
107.5°	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0	4191.1	4198.0
110°	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8	4286.4	4316.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2	4225.7	4271.2
115°	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4	4019.5	4082.6
117.5°	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7	3734.7	3804.7
120°	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9	3542.9	3611.0
122.5°	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9	3351.0	3418.1
125°	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7	3097.2	3158.9
127.5°	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5	2893.4	2945.5
130°	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6	2764.7	2813.0
132.5°	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7	2655.1	2698.3
135°	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6	2500.1	2537.3
137.5°	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6	2385.8	2416.2
140°	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6	2294.0	2322.5
142.5°	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7	2229.6	2254.1
145°	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4	2133.1	2151.6
147.5°	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4	2052.1	2067.5
150°	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4	2005.6	2018.0
152.5°	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7	1968.6	1978.0
155°	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3	1924.5	1930.7
157.5°	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9	1886.4	1890.8
160°	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2	1867.3	1869.8
162.5°	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3	1849.5	1851.8
165°	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0	1822.0	1824.5
167.5°	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1	1810.2	1811.3
170°	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1	1810.2	1810.2
172.5°	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7	1800.7	1799.7
175°	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9	1787.5	1787.5
177.5°	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2	1785.1	1784.0
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2082.9	2077.0	2082.9	2078.9	2080.8	2075.1	2057.8	2052.1	2057.8	2063.6	2063.6
5°	2107.8	2104.0	2107.8	2107.8	2105.9	2102.1	2082.9	2078.9	2082.9	2084.8	2080.8
7.5°	2115.5	2109.7	2115.5	2111.6	2111.6	2107.8	2088.6	2084.8	2086.7	2092.4	2086.7
10°	2115.5	2109.7	2115.5	2113.6	2111.6	2107.8	2088.6	2080.8	2080.8	2086.7	2080.8
12.5°	2105.9	2102.1	2105.9	2102.1	2102.1	2098.2	2078.9	2071.3	2073.2	2075.1	2067.5
15°	2090.5	2084.8	2090.5	2086.7	2088.6	2082.9	2061.7	2054.0	2054.0	2057.8	2044.4
17.5°	2067.5	2059.7	2067.5	2065.6	2063.6	2059.7	2040.5	2032.9	2030.9	2032.9	2023.3
20°	2040.5	2034.8	2040.5	2038.6	2038.6	2030.9	2011.7	2002.2	2002.2	2002.2	1992.5
22.5°	1998.2	1992.5	1998.2	2002.2	2002.2	2000.2	1982.9	1969.5	1965.6	1965.6	1954.1
25°	1950.2	1944.5	1950.2	1950.2	1948.3	1950.2	1944.5	1936.8	1931.0	1925.3	1913.7
27.5°	1904.1	1900.3	1904.1	1900.3	1904.1	1898.3	1896.4	1894.5	1886.8	1881.1	1865.7
30°	1858.0	1854.1	1858.0	1854.1	1850.3	1846.5	1836.8	1833.0	1840.8	1836.8	1811.9
32.5°	1800.4	1796.5	1800.4	1800.4	1796.5	1796.5	1781.2	1775.3	1777.4	1788.8	1765.8
35°	1740.8	1735.0	1740.8	1738.9	1740.8	1735.0	1725.4	1723.5	1715.8	1729.3	1712.0
37.5°	1671.6	1665.9	1671.6	1671.6	1671.6	1675.5	1667.8	1662.0	1650.5	1667.8	1654.3
40°	1600.6	1592.8	1600.6	1598.6	1600.6	1604.4	1600.6	1596.7	1585.2	1598.6	1587.1
42.5°	1519.9	1517.9	1519.9	1521.8	1521.8	1529.4	1535.3	1527.5	1523.7	1514.1	1521.8
45°	1433.4	1429.5	1433.4	1437.2	1439.2	1443.0	1460.3	1460.3	1454.6	1439.2	1450.6
47.5°	1341.1	1331.6	1341.1	1352.7	1352.7	1358.5	1375.8	1389.1	1379.6	1360.4	1366.1
50°	1243.1	1245.0	1243.1	1250.9	1250.9	1272.0	1285.4	1298.9	1308.4	1285.4	1258.5
52.5°	1147.1	1145.1	1147.1	1152.9	1160.5	1170.2	1193.2	1206.6	1222.0	1208.6	1166.3
55°	1051.0	1054.9	1051.0	1053.0	1056.8	1062.5	1097.1	1110.6	1139.4	1122.1	1077.9
57.5°	954.9	949.2	954.9	958.8	960.7	966.5	995.3	1020.2	1037.6	1039.5	985.7
60°	843.5	835.8	843.5	860.8	864.7	868.5	895.4	918.4	933.8	939.5	883.9
62.5°	745.5	732.1	745.5	757.0	764.8	774.3	793.5	828.2	841.5	843.5	764.8
65°	641.8	636.0	641.8	664.8	666.7	678.2	699.4	724.4	753.2	749.4	636.0
67.5°	547.6	547.6	547.6	563.0	574.5	580.3	607.2	618.7	655.2	659.0	530.3
70°	461.2	459.3	461.2	472.6	480.4	493.8	518.8	532.2	561.1	570.7	430.4
72.5°	378.6	376.6	378.6	388.1	395.8	407.3	428.5	443.9	468.8	480.4	334.3
75°	305.5	301.7	305.5	313.1	311.2	326.6	343.9	359.3	382.4	390.0	247.8
77.5°	234.5	234.5	234.5	242.1	242.1	257.5	265.2	284.4	297.9	309.3	182.5
80°	174.9	173.0	174.9	176.8	176.8	184.4	197.9	211.3	222.9	222.9	124.9
82.5°	123.0	119.1	123.0	123.0	123.0	126.8	134.5	138.4	146.0	151.7	78.8
85°	76.9	76.9	76.9	78.8	76.9	80.7	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.3	26.9
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8	323.4	230.0
95°	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1	795.6	448.1
97.5°	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4	1071.7	492.2
100°	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7	1172.2	529.1
102.5°	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0	1218.3	566.0
105°	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6	1252.5	620.8
107.5°	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3	1258.8	701.9
110°	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7	1249.2	747.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6	1249.7	802.0
115°	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8	1261.2	884.2
117.5°	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0	1284.7	964.1
120°	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6	1303.8	1010.6
122.5°	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5	1331.2	1065.4
125°	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9	1368.0	1135.7
127.5°	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5	1405.0	1203.6
130°	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2	1432.0	1248.9
132.5°	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8	1453.8	1285.8
135°	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3	1477.7	1328.7
137.5°	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6	1513.4	1383.5
140°	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3	1535.3	1420.5
142.5°	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4	1553.5	1447.9
145°	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5	1577.4	1489.6
147.5°	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1	1612.3	1542.0
150°	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2	1630.7	1569.4
152.5°	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1	1642.5	1587.3
155°	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9	1668.8	1626.7
157.5°	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7	1695.0	1666.0
160°	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6	1706.9	1683.9
162.5°	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8	1719.6	1702.9
165°	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9	1737.8	1730.3
167.5°	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6	1752.1	1745.8
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6	1764.1	1763.7
172.5°	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2	1772.0	1775.6
177.5°	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1	1772.9	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2059.7	2048.2	2048.2	2029.0	2021.4	2015.5	2006.0	1977.1	1969.5	1961.8	1973.3
5°	2077.0	2055.9	2040.5	2006.0	1977.1	1965.6	1929.1	1860.0	1813.8	1779.3	1760.1
7.5°	2080.8	2054.0	2025.2	1971.4	1902.2	1871.4	1760.1	1633.2	1598.6	1567.9	1548.6
10°	2077.0	2046.3	2006.0	1925.3	1762.0	1708.1	1596.7	1514.1	1493.0	1487.2	1493.0
12.5°	2063.6	2034.8	1979.0	1844.6	1616.0	1579.4	1514.1	1466.0	1462.2	1471.8	1523.7
15°	2040.5	2013.6	1948.3	1737.0	1535.3	1508.3	1462.2	1444.9	1466.0	1533.3	1688.9
17.5°	2017.5	1986.8	1906.1	1631.3	1473.8	1454.6	1421.8	1456.5	1575.6	1665.9	1717.8
20°	1986.8	1950.2	1858.0	1554.5	1429.5	1412.3	1396.9	1552.5	1642.8	1675.5	1704.3
22.5°	1950.2	1911.8	1792.7	1500.6	1383.4	1369.9	1379.6	1606.3	1642.8	1665.9	1690.8
25°	1902.2	1869.5	1715.8	1458.4	1346.9	1331.6	1368.0	1600.6	1621.7	1627.4	1677.4
27.5°	1858.0	1815.7	1635.2	1419.9	1302.7	1297.0	1377.7	1575.6	1590.9	1596.7	1650.5
30°	1804.2	1740.8	1544.8	1379.6	1256.6	1254.7	1379.6	1544.8	1541.0	1556.4	1610.1
32.5°	1748.5	1629.3	1443.0	1329.6	1212.4	1210.5	1366.1	1498.7	1494.9	1516.0	1556.4
35°	1696.7	1542.9	1304.6	1272.0	1156.7	1158.6	1333.5	1444.9	1446.8	1466.0	1491.0
37.5°	1642.8	1467.9	1152.9	1208.6	1102.9	1102.9	1289.2	1395.0	1391.1	1396.9	1431.4
40°	1579.4	1350.8	1018.3	1125.9	1053.0	1047.2	1235.5	1341.1	1327.7	1325.8	1373.8
42.5°	1512.1	1222.0	918.4	1016.4	995.3	987.6	1170.2	1275.8	1250.9	1256.6	1318.1
45°	1439.2	1187.4	841.5	858.8	935.7	930.0	1099.0	1200.9	1183.6	1199.0	1262.4
47.5°	1366.1	1118.3	816.6	712.8	872.3	870.4	1020.2	1127.9	1118.3	1133.7	1200.9
50°	1266.2	1041.4	814.7	611.0	801.2	808.9	926.2	1056.8	1056.8	1070.3	1141.3
52.5°	1137.5	947.3	739.7	553.3	718.6	741.7	843.5	995.3	999.1	1012.6	1076.0
55°	1020.2	849.3	686.0	509.2	620.7	670.6	762.8	931.9	939.5	953.0	1010.7
57.5°	912.7	707.1	674.4	457.3	530.3	578.3	691.7	870.4	874.2	885.8	941.5
60°	797.4	511.1	618.7	401.6	451.5	488.0	626.4	797.4	810.8	818.5	866.6
62.5°	666.7	370.8	561.1	363.2	413.1	420.8	572.6	728.2	745.5	751.3	780.1
65°	474.6	311.2	476.5	330.5	372.7	374.6	514.9	657.1	672.5	682.1	703.3
67.5°	320.9	253.6	363.2	299.8	342.0	343.9	459.3	574.5	595.6	603.4	616.7
70°	222.9	169.1	269.0	267.1	307.4	311.2	399.7	499.6	518.8	524.6	532.2
72.5°	163.3	136.4	222.9	240.2	270.9	274.8	338.2	415.0	434.2	440.0	443.9
75°	124.9	144.1	180.6	209.4	230.5	232.4	276.7	338.2	351.6	355.5	357.4
77.5°	99.9	134.5	132.6	169.1	188.3	184.4	217.2	261.3	272.8	272.8	272.8
80°	75.0	105.7	99.9	121.1	138.4	134.5	155.7	186.4	190.2	194.1	192.1
82.5°	55.7	67.2	67.2	76.9	92.3	88.4	103.7	121.1	121.1	121.1	124.9
85°	34.6	38.4	30.8	40.4	51.9	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.3	9.6	15.4	23.0	23.0	26.9	28.8	26.9	26.9	26.9
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0
95°	411.0	262.7	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3
97.5°	459.5	328.6	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5
100°	499.4	380.8	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7
102.5°	538.3	427.6	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5
105°	597.4	503.7	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8
107.5°	680.1	592.7	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0
110°	727.4	648.5	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8



TEST NUMBER: P935080

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.2	708.0	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2
115°	866.9	797.5	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4
117.5°	948.3	885.3	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7
120°	995.8	936.4	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9
122.5°	1050.4	990.6	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9
125°	1122.0	1067.5	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7
127.5°	1189.8	1134.7	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5
130°	1234.1	1174.7	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6
132.5°	1271.0	1211.7	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7
135°	1315.2	1261.2	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6
137.5°	1370.1	1316.7	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6
140°	1408.1	1359.0	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6
142.5°	1436.5	1391.0	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7
145°	1479.7	1439.9	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4
147.5°	1532.4	1493.7	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4
150°	1560.7	1525.7	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4
152.5°	1580.7	1554.2	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7
155°	1621.8	1602.1	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3
157.5°	1661.2	1642.1	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9
160°	1680.1	1665.3	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2
162.5°	1700.1	1688.9	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3
165°	1727.8	1717.7	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0
167.5°	1744.6	1739.8	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1
170°	1762.5	1757.8	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1
172.5°	1764.6	1763.5	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7
175°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9
177.5°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935080

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	1959.9	1954.1	1961.8	1940.7	1961.8	1954.1	1959.9	1973.3	1961.8	1969.5	1977.1
5°	1719.7	1710.0	1679.4	1654.3	1679.4	1710.0	1719.7	1760.1	1779.3	1813.8	1860.0
7.5°	1537.2	1529.4	1521.8	1506.4	1521.8	1529.4	1537.2	1548.6	1567.9	1598.6	1633.2
10°	1496.8	1498.7	1510.2	1508.3	1510.2	1498.7	1496.8	1493.0	1487.2	1493.0	1514.1
12.5°	1600.6	1617.9	1681.3	1677.4	1681.3	1617.9	1600.6	1523.7	1471.8	1462.2	1466.0
15°	1719.7	1725.4	1738.9	1740.8	1738.9	1725.4	1719.7	1688.9	1533.3	1466.0	1444.9
17.5°	1731.2	1733.1	1742.7	1742.7	1742.7	1733.1	1731.2	1717.8	1665.9	1575.6	1456.5
20°	1721.6	1725.4	1744.7	1748.5	1744.7	1725.4	1721.6	1704.3	1675.5	1642.8	1552.5
22.5°	1717.8	1725.4	1740.8	1738.9	1740.8	1725.4	1717.8	1690.8	1665.9	1642.8	1606.3
25°	1698.6	1698.6	1700.5	1702.4	1700.5	1698.6	1698.6	1677.4	1627.4	1621.7	1600.6
27.5°	1658.2	1662.0	1673.5	1671.6	1673.5	1662.0	1658.2	1650.5	1596.7	1590.9	1575.6
30°	1621.7	1617.9	1608.2	1600.6	1608.2	1617.9	1621.7	1610.1	1556.4	1541.0	1544.8
32.5°	1560.2	1550.5	1541.0	1535.3	1541.0	1550.5	1560.2	1556.4	1516.0	1494.9	1498.7
35°	1487.2	1489.1	1487.2	1481.4	1487.2	1489.1	1487.2	1491.0	1466.0	1446.8	1444.9
37.5°	1435.3	1439.2	1437.2	1429.5	1437.2	1439.2	1435.3	1431.4	1396.9	1391.1	1395.0
40°	1381.5	1383.4	1381.5	1375.8	1381.5	1383.4	1381.5	1373.8	1325.8	1327.7	1341.1
42.5°	1329.6	1327.7	1321.9	1318.1	1321.9	1327.7	1329.6	1318.1	1256.6	1250.9	1275.8
45°	1270.1	1272.0	1260.4	1254.7	1260.4	1272.0	1270.1	1262.4	1199.0	1183.6	1200.9
47.5°	1210.5	1210.5	1200.9	1195.1	1200.9	1210.5	1210.5	1200.9	1133.7	1118.3	1127.9
50°	1147.1	1145.1	1131.7	1129.8	1131.7	1145.1	1147.1	1141.3	1070.3	1056.8	1056.8
52.5°	1074.1	1074.1	1076.0	1079.8	1076.0	1074.1	1074.1	1076.0	1012.6	999.1	995.3
55°	1010.7	1012.6	1026.1	1029.9	1026.1	1012.6	1010.7	1010.7	953.0	939.5	931.9
57.5°	945.4	945.4	954.9	954.9	954.9	945.4	945.4	941.5	885.8	874.2	870.4
60°	870.4	874.2	881.9	880.0	881.9	874.2	870.4	866.6	818.5	810.8	797.4
62.5°	791.6	795.5	797.4	793.5	797.4	795.5	791.6	780.1	751.3	745.5	728.2
65°	709.0	712.8	714.7	710.9	714.7	712.8	709.0	703.3	682.1	672.5	657.1
67.5°	624.5	622.6	620.7	628.3	620.7	622.6	624.5	616.7	603.4	595.6	574.5
70°	538.0	538.0	536.0	540.0	536.0	538.0	538.0	532.2	524.6	518.8	499.6
72.5°	445.8	443.9	451.5	445.8	451.5	443.9	445.8	443.9	440.0	434.2	415.0
75°	355.5	359.3	355.5	361.2	355.5	359.3	355.5	357.4	355.5	351.6	338.2
77.5°	270.9	274.8	270.9	270.9	270.9	274.8	270.9	272.8	272.8	272.8	261.3
80°	192.1	190.2	190.2	188.3	190.2	190.2	192.1	192.1	194.1	190.2	186.4
82.5°	123.0	121.1	121.1	124.9	121.1	121.1	123.0	124.9	121.1	121.1	121.1
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	26.9	26.9	26.9	28.8
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.4	217.5	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8
95°	768.6	741.3	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1
97.5°	1774.4	1722.5	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4
100°	2491.8	2430.0	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7
102.5°	3104.3	3051.3	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0
105°	3819.3	3790.9	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6
107.5°	4191.1	4198.0	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3
110°	4286.4	4316.1	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4225.7	4271.2	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6
115°	4019.5	4082.6	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8
117.5°	3734.7	3804.7	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0
120°	3542.9	3611.0	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6
122.5°	3351.0	3418.1	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5
125°	3097.2	3158.9	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9
127.5°	2893.4	2945.5	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5
130°	2764.7	2813.0	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2
132.5°	2655.1	2698.3	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8
135°	2500.1	2537.3	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3
137.5°	2385.8	2416.2	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6
140°	2294.0	2322.5	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3
142.5°	2229.6	2254.1	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4
145°	2133.1	2151.6	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5
147.5°	2052.1	2067.5	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1
150°	2005.6	2018.0	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2
152.5°	1968.6	1978.0	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1
155°	1924.5	1930.7	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9
157.5°	1886.4	1890.8	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7
160°	1867.3	1869.8	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6
162.5°	1849.5	1851.8	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8
165°	1822.0	1824.5	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9
167.5°	1810.2	1811.3	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6
172.5°	1800.7	1799.7	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2
177.5°	1785.1	1784.0	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935080

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2006.0	2015.5	2021.4	2029.0	2048.2
5°	1929.1	1965.6	1977.1	2006.0	2040.5
7.5°	1760.1	1871.4	1902.2	1971.4	2025.2
10°	1596.7	1708.1	1762.0	1925.3	2006.0
12.5°	1514.1	1579.4	1616.0	1844.6	1979.0
15°	1462.2	1508.3	1535.3	1737.0	1948.3
17.5°	1421.8	1454.6	1473.8	1631.3	1906.1
20°	1396.9	1412.3	1429.5	1554.5	1858.0
22.5°	1379.6	1369.9	1383.4	1500.6	1792.7
25°	1368.0	1331.6	1346.9	1458.4	1715.8
27.5°	1377.7	1297.0	1302.7	1419.9	1635.2
30°	1379.6	1254.7	1256.6	1379.6	1544.8
32.5°	1366.1	1210.5	1212.4	1329.6	1443.0
35°	1333.5	1158.6	1156.7	1272.0	1304.6
37.5°	1289.2	1102.9	1102.9	1208.6	1152.9
40°	1235.5	1047.2	1053.0	1125.9	1018.3
42.5°	1170.2	987.6	995.3	1016.4	918.4
45°	1099.0	930.0	935.7	858.8	841.5
47.5°	1020.2	870.4	872.3	712.8	816.6
50°	926.2	808.9	801.2	611.0	814.7
52.5°	843.5	741.7	718.6	553.3	739.7
55°	762.8	670.6	620.7	509.2	686.0
57.5°	691.7	578.3	530.3	457.3	674.4
60°	626.4	488.0	451.5	401.6	618.7
62.5°	572.6	420.8	413.1	363.2	561.1
65°	514.9	374.6	372.7	330.5	476.5
67.5°	459.3	343.9	342.0	299.8	363.2
70°	399.7	311.2	307.4	267.1	269.0
72.5°	338.2	274.8	270.9	240.2	222.9
75°	276.7	232.4	230.5	209.4	180.6
77.5°	217.2	184.4	188.3	169.1	132.6
80°	155.7	134.5	138.4	121.1	99.9
82.5°	103.7	88.4	92.3	76.9	67.2
85°	57.7	49.9	51.9	40.4	30.8
87.5°	26.9	23.0	23.0	15.4	9.6
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.4	230.0	209.7	128.6	47.7
95°	795.6	448.1	411.0	262.7	114.4
97.5°	1071.7	492.2	459.5	328.6	197.8
100°	1172.2	529.1	499.4	380.8	262.1
102.5°	1218.3	566.0	538.3	427.6	317.0
105°	1252.5	620.8	597.4	503.7	410.0
107.5°	1258.8	701.9	680.1	592.7	505.3
110°	1249.2	747.2	727.4	648.5	569.7



TEST NUMBER: P935080

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1249.7	802.0	783.2	708.0	632.8
115°	1261.2	884.2	866.9	797.5	728.1
117.5°	1284.7	964.1	948.3	885.3	822.3
120°	1303.8	1010.6	995.8	936.4	877.1
122.5°	1331.2	1065.4	1050.4	990.6	930.7
125°	1368.0	1135.7	1122.0	1067.5	1013.0
127.5°	1405.0	1203.6	1189.8	1134.7	1079.6
130°	1432.0	1248.9	1234.1	1174.7	1115.4
132.5°	1453.8	1285.8	1271.0	1211.7	1152.4
135°	1477.7	1328.7	1315.2	1261.2	1207.2
137.5°	1513.4	1383.5	1370.1	1316.7	1263.2
140°	1535.3	1420.5	1408.1	1359.0	1309.7
142.5°	1553.5	1447.9	1436.5	1391.0	1345.4
145°	1577.4	1489.6	1479.7	1439.9	1400.2
147.5°	1612.3	1542.0	1532.4	1493.7	1455.0
150°	1630.7	1569.4	1560.7	1525.7	1490.8
152.5°	1642.5	1587.3	1580.7	1554.2	1527.7
155°	1668.8	1626.7	1621.8	1602.1	1582.5
157.5°	1695.0	1666.0	1661.2	1642.1	1623.0
160°	1706.9	1683.9	1680.1	1665.3	1650.4
162.5°	1719.6	1702.9	1700.1	1688.9	1677.8
165°	1737.8	1730.3	1727.8	1717.7	1707.6
167.5°	1752.1	1745.8	1744.6	1739.8	1735.0
170°	1764.1	1763.7	1762.5	1757.8	1753.0
172.5°	1764.8	1764.8	1764.6	1763.5	1762.5
175°	1772.0	1775.6	1775.6	1775.6	1775.6
177.5°	1772.9	1775.6	1775.6	1775.6	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935080
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.17	9.89	10.28	10.99	12.50	12.02	12.74	13.13	13.84	15.35
	3H	9.64	10.28	10.75	11.39	12.92	13.37	14.01	14.48	15.11	16.64
	4H	9.82	10.43	10.94	11.54	13.08	13.81	14.42	14.93	15.52	17.06
	6H	9.93	10.49	11.06	11.60	13.15	14.09	14.65	15.22	15.76	17.31
	8H	9.93	10.46	11.06	11.59	13.13	14.16	14.70	15.30	15.82	17.36
	12H	9.90	10.40	11.03	11.52	13.09	14.20	14.70	15.34	15.83	17.39
4H	2H	10.19	10.80	11.32	11.91	13.44	12.41	13.02	13.54	14.13	15.67
	3H	11.21	11.71	12.34	12.85	14.40	13.91	14.42	15.05	15.55	17.10
	4H	11.48	11.94	12.61	13.06	14.63	14.44	14.90	15.58	16.03	17.60
	6H	11.59	11.99	12.74	13.14	14.70	14.80	15.20	15.95	16.35	17.91
	8H	11.59	11.97	12.74	13.10	14.68	14.91	15.28	16.05	16.42	18.00
	12H	11.55	11.89	12.71	13.04	14.62	14.96	15.30	16.12	16.45	18.03
8H	4H	11.92	12.29	13.06	13.43	15.01	14.55	14.92	15.69	16.06	17.64
	6H	12.18	12.48	13.34	13.66	15.24	14.99	15.29	16.15	16.47	18.05
	8H	12.22	12.49	13.39	13.64	15.24	15.14	15.41	16.31	16.57	18.16
	12H	12.19	12.43	13.37	13.59	15.21	15.24	15.47	16.41	16.63	18.26
12H	4H	11.92	12.26	13.08	13.41	14.99	14.51	14.85	15.67	16.00	17.58
	6H	12.24	12.51	13.41	13.66	15.26	14.98	15.25	16.15	16.41	18.00
	8H	12.30	12.53	13.47	13.69	15.32	15.14	15.38	16.31	16.53	18.16