

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: P935030

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935030
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-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

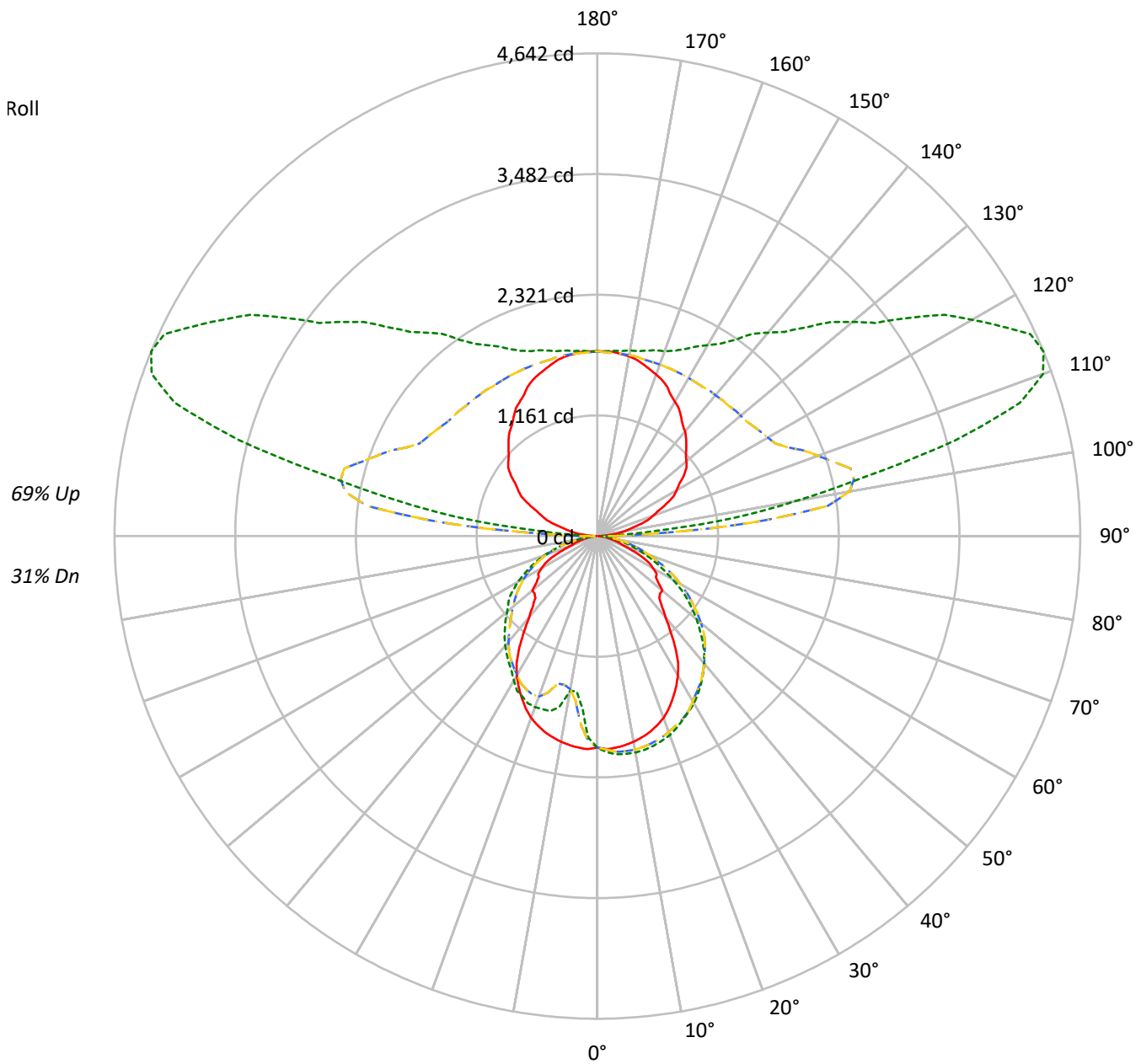
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16804.1 lumens
Efficiency: N/A
Efficacy: 136.0 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					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	50	30	10	0		
RCR																										
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31						31		
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27						27		
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22						22		
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19						19		
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16						16		
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14						14		
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12						12		
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11						11		
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10						10		
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9						9		
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8						8		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6289	6289	6289	6289
5°	6339	6349	6339	4992
10°	6299	6254	6299	4471
15°	6233	6119	6233	5109
20°	6105	5958	6105	5120
25°	5841	5724	5841	5011
30°	5498	5529	5498	4773
35°	4904	5284	4904	4511
40°	4088	4994	4088	4314
45°	3655	4656	3655	4086
50°	3887	4251	3887	3858
55°	3660	3816	3660	3726
60°	3778	3241	3778	3412
65°	3431	2679	3431	2995
70°	2382	2135	2382	2510
75°	2096	1579	2096	1890
80°	1701	1044	1701	1137
85°	998	553	998	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5599 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	1.1
10°-20°	521.2	3.1
20°-30°	805.6	4.8
30°-40°	961.8	5.7
40°-50°	967.4	5.8
50°-60°	841.7	5.0
60°-70°	596.8	3.6
70°-80°	315.7	1.9
80°-90°	85.4	0.5
90°-100°	866.6	5.2
100°-110°	2278.3	13.6
110°-120°	2362.4	14.1
120°-130°	1894.9	11.3
130°-140°	1486.8	8.8
140°-150°	1141.2	6.8
150°-160°	821.9	4.9
160°-170°	502.9	3.0
170°-180°	169.9	1.0
0°-30°	1510.4	9.0
0°-40°	2472.1	14.7
0°-60°	4281.2	25.5
0°-90°	5279.2	31.4
90°-120°	5507.3	32.8
90°-150°	10030.3	59.7
90°-180°	11525.0	68.6
0°-180°	16804.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2107	2043	1656	2043	194
15°	1951	2087	1951	1743	1951	549
25°	1718	1947	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	843	1431	843	1256	843	675
55°	687	1056	687	1031	687	631
65°	477	637	477	712	477	456
75°	181	302	181	362	181	190
85°	31	77	31	65	31	42
90°	12	45	12	45	12	11
95°	115	524	115	524	115	127
105°	410	3568	410	3568	410	435
115°	729	4594	729	4594	729	720
125°	1014	3658	1014	3658	1014	900
135°	1209	2839	1209	2839	1209	935
145°	1402	2303	1402	2303	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1710	1847	1710	1847	1710	483
175°	1778	1790	1778	1790	1778	169
180°	1778	1778	1778	1778	1778	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2050.7	2050.7	2062.3	2066.1	2066.1	2060.4	2054.7	2060.4	2077.7	2083.4	2081.5
5°	2043.1	2058.5	2079.6	2083.4	2087.4	2085.5	2081.5	2085.5	2104.7	2108.5	2110.4
7.5°	2027.7	2056.6	2083.4	2089.3	2095.0	2089.3	2087.4	2091.2	2110.4	2114.2	2114.2
10°	2008.5	2048.8	2079.6	2083.4	2089.3	2083.4	2083.4	2091.2	2110.4	2114.2	2116.2
12.5°	1981.5	2037.4	2066.1	2070.1	2077.7	2075.8	2073.9	2081.5	2100.9	2104.7	2104.7
15°	1950.7	2016.1	2043.1	2046.9	2060.4	2056.6	2056.6	2064.2	2085.5	2091.2	2089.3
17.5°	1908.5	1989.3	2020.1	2025.8	2035.4	2033.4	2035.4	2043.1	2062.3	2066.1	2068.1
20°	1860.4	1952.6	1989.3	1995.0	2004.7	2004.7	2004.7	2014.2	2033.4	2041.2	2041.2
22.5°	1795.0	1914.2	1952.6	1956.6	1968.0	1968.0	1972.0	1985.3	2002.7	2004.7	2004.7
25°	1718.0	1871.8	1904.5	1916.1	1927.7	1933.4	1939.3	1946.9	1952.6	1950.7	1952.6
27.5°	1637.2	1818.0	1860.4	1868.0	1883.4	1889.2	1896.9	1898.8	1900.7	1906.5	1902.6
30°	1546.7	1742.9	1806.4	1814.2	1839.1	1843.1	1835.3	1839.1	1848.8	1852.6	1856.4
32.5°	1444.8	1631.4	1750.7	1768.0	1791.0	1779.6	1777.6	1783.4	1798.8	1798.8	1802.6
35°	1306.3	1544.8	1698.8	1714.2	1731.5	1718.0	1725.6	1727.6	1737.2	1742.9	1741.0
37.5°	1154.3	1469.8	1644.8	1656.4	1669.9	1652.6	1664.1	1669.9	1677.5	1673.7	1673.7
40°	1019.6	1352.4	1581.4	1589.1	1600.6	1587.2	1598.7	1602.6	1606.4	1602.6	1600.6
42.5°	919.6	1223.5	1514.0	1523.7	1515.9	1525.6	1529.4	1537.2	1531.3	1523.7	1523.7
45°	842.6	1188.9	1441.0	1452.5	1441.0	1456.4	1462.1	1462.1	1444.8	1441.0	1439.0
47.5°	817.6	1119.7	1367.8	1367.8	1362.1	1381.3	1390.9	1377.5	1360.2	1354.4	1354.4
50°	815.7	1042.7	1267.8	1260.1	1287.0	1310.1	1300.5	1287.0	1273.6	1252.4	1252.4
52.5°	740.7	948.4	1138.9	1167.8	1210.1	1223.5	1208.1	1194.7	1171.6	1162.0	1154.3
55°	686.8	850.3	1021.5	1079.3	1123.5	1140.8	1112.0	1098.5	1063.9	1058.1	1054.3
57.5°	675.3	708.0	913.8	986.9	1040.8	1038.9	1021.5	996.5	967.7	961.9	960.0
60°	619.5	511.8	798.4	885.0	940.7	935.0	919.6	896.5	869.6	865.7	861.9
62.5°	561.8	371.3	667.5	765.7	844.5	842.6	829.2	794.5	775.3	765.7	758.0
65°	477.1	311.6	475.2	636.8	750.3	754.1	725.3	700.3	679.1	667.5	665.6
67.5°	363.6	254.0	321.3	531.0	659.9	656.0	619.5	607.9	581.0	575.2	563.7
70°	269.4	169.3	223.2	431.0	571.4	561.8	532.9	519.4	494.4	481.0	473.2
72.5°	223.2	136.5	163.5	334.8	481.0	469.4	444.4	429.0	407.8	396.3	388.6
75°	180.8	144.3	125.1	248.1	390.5	382.9	359.7	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.7	298.2	284.8	265.5	257.8	242.4	242.4
80°	100.0	105.9	75.1	125.1	223.2	223.2	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.6	134.6	127.0	123.2	123.2
85°	30.8	38.4	34.6	48.1	82.7	86.5	86.5	82.7	80.8	77.0	78.9
87.5°	9.7	17.3	21.1	27.0	42.4	44.3	46.2	46.2	46.2	48.1	48.1
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4	226.7	217.7
95°	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6	769.5	742.2
97.5°	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9	1776.6	1724.7
100°	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8	2494.9	2433.0
102.5°	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1	3108.2	3055.1
105°	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0	3824.1	3795.6
107.5°	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5	4196.3	4203.2
110°	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3	4291.8	4321.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6	4231.0	4276.6
115°	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6	4024.5	4087.7
117.5°	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6	3739.4	3809.5
120°	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7	3547.3	3615.5
122.5°	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4	3355.2	3422.4
125°	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1	3101.0	3162.9
127.5°	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7	2897.0	2949.2
130°	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7	2768.2	2816.5
132.5°	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6	2658.4	2701.6
135°	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4	2503.2	2540.5
137.5°	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3	2388.8	2419.3
140°	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3	2296.9	2325.4
142.5°	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3	2232.4	2256.9
145°	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9	2135.8	2154.3
147.5°	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8	2054.7	2070.1
150°	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8	2008.1	2020.5
152.5°	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1	1971.1	1980.5
155°	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6	1926.9	1933.1
157.5°	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2	1888.8	1893.2
160°	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5	1869.6	1872.1
162.5°	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5	1851.8	1854.2
165°	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3	1824.3	1826.8
167.5°	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4	1812.5	1813.5
170°	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4	1812.5	1812.5
172.5°	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9	1802.9	1801.9
175°	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2	1789.7	1789.7
177.5°	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4	1787.3	1786.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2085.5	2079.6	2085.5	2081.5	2083.4	2077.7	2060.4	2054.7	2060.4	2066.1	2066.1
5°	2110.4	2106.6	2110.4	2110.4	2108.5	2104.7	2085.5	2081.5	2085.5	2087.4	2083.4
7.5°	2118.2	2112.3	2118.2	2114.2	2114.2	2110.4	2091.2	2087.4	2089.3	2095.0	2089.3
10°	2118.2	2112.3	2118.2	2116.2	2114.2	2110.4	2091.2	2083.4	2083.4	2089.3	2083.4
12.5°	2108.5	2104.7	2108.5	2104.7	2104.7	2100.9	2081.5	2073.9	2075.8	2077.7	2070.1
15°	2093.1	2087.4	2093.1	2089.3	2091.2	2085.5	2064.2	2056.6	2056.6	2060.4	2046.9
17.5°	2070.1	2062.3	2070.1	2068.1	2066.1	2062.3	2043.1	2035.4	2033.4	2035.4	2025.8
20°	2043.1	2037.4	2043.1	2041.2	2041.2	2033.4	2014.2	2004.7	2004.7	2004.7	1995.0
22.5°	2000.7	1995.0	2000.7	2004.7	2004.7	2002.7	1985.3	1972.0	1968.0	1968.0	1956.6
25°	1952.6	1946.9	1952.6	1952.6	1950.7	1952.6	1946.9	1939.3	1933.4	1927.7	1916.1
27.5°	1906.5	1902.6	1906.5	1902.6	1906.5	1900.7	1898.8	1896.9	1889.2	1883.4	1868.0
30°	1860.4	1856.4	1860.4	1856.4	1852.6	1848.8	1839.1	1835.3	1843.1	1839.1	1814.2
32.5°	1802.6	1798.8	1802.6	1802.6	1798.8	1798.8	1783.4	1777.6	1779.6	1791.0	1768.0
35°	1742.9	1737.2	1742.9	1741.0	1742.9	1737.2	1727.6	1725.6	1718.0	1731.5	1714.2
37.5°	1673.7	1668.0	1673.7	1673.7	1673.7	1677.5	1669.9	1664.1	1652.6	1669.9	1656.4
40°	1602.6	1594.8	1602.6	1600.6	1602.6	1606.4	1602.6	1598.7	1587.2	1600.6	1589.1
42.5°	1521.8	1519.8	1521.8	1523.7	1523.7	1531.3	1537.2	1529.4	1525.6	1515.9	1523.7
45°	1435.2	1431.3	1435.2	1439.0	1441.0	1444.8	1462.1	1462.1	1456.4	1441.0	1452.5
47.5°	1342.8	1333.2	1342.8	1354.4	1354.4	1360.2	1377.5	1390.9	1381.3	1362.1	1367.8
50°	1244.7	1246.6	1244.7	1252.4	1252.4	1273.6	1287.0	1300.5	1310.1	1287.0	1260.1
52.5°	1148.5	1146.6	1148.5	1154.3	1162.0	1171.6	1194.7	1208.1	1223.5	1210.1	1167.8
55°	1052.3	1056.2	1052.3	1054.3	1058.1	1063.9	1098.5	1112.0	1140.8	1123.5	1079.3
57.5°	956.1	950.4	956.1	960.0	961.9	967.7	996.5	1021.5	1038.9	1040.8	986.9
60°	844.5	836.9	844.5	861.9	865.7	869.6	896.5	919.6	935.0	940.7	885.0
62.5°	746.4	733.0	746.4	758.0	765.7	775.3	794.5	829.2	842.6	844.5	765.7
65°	642.6	636.8	642.6	665.6	667.5	679.1	700.3	725.3	754.1	750.3	636.8
67.5°	548.3	548.3	548.3	563.7	575.2	581.0	607.9	619.5	656.0	659.9	531.0
70°	461.7	459.8	461.7	473.2	481.0	494.4	519.4	532.9	561.8	571.4	431.0
72.5°	379.0	377.0	379.0	388.6	396.3	407.8	429.0	444.4	469.4	481.0	334.8
75°	305.9	302.1	305.9	313.5	311.6	327.0	344.3	359.7	382.9	390.5	248.1
77.5°	234.7	234.7	234.7	242.4	242.4	257.8	265.5	284.8	298.2	309.7	182.7
80°	175.1	173.2	175.1	177.0	177.0	184.6	198.1	211.6	223.2	223.2	125.1
82.5°	123.2	119.2	123.2	123.2	123.2	127.0	134.6	138.6	146.2	151.9	78.9
85°	77.0	77.0	77.0	78.9	77.0	80.8	82.7	86.5	86.5	82.7	48.1
87.5°	50.0	48.1	50.0	48.1	48.1	46.2	46.2	46.2	44.3	42.4	27.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4	323.8	230.3
95°	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6	796.6	448.6
97.5°	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7	1073.0	492.8
100°	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2	1173.6	529.7
102.5°	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6	1219.8	566.7
105°	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2	1254.0	621.6
107.5°	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8	1260.4	702.8
110°	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1	1250.8	748.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9	1251.3	803.0
115°	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0	1262.7	885.3
117.5°	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2	1286.3	965.3
120°	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8	1305.4	1011.8
122.5°	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6	1332.8	1066.7
125°	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0	1369.7	1137.1
127.5°	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6	1406.8	1205.1
130°	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3	1433.8	1250.4
132.5°	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9	1455.6	1287.4
135°	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4	1479.5	1330.4
137.5°	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7	1515.3	1385.2
140°	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5	1537.2	1422.2
142.5°	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5	1555.4	1449.7
145°	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6	1579.3	1491.5
147.5°	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2	1614.3	1544.0
150°	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4	1632.7	1571.4
152.5°	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3	1644.6	1589.3
155°	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1	1670.9	1628.7
157.5°	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9	1697.1	1668.1
160°	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8	1709.0	1686.0
162.5°	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0	1721.7	1705.0
165°	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1	1740.0	1732.4
167.5°	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8	1754.3	1748.0
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8	1766.3	1765.9
172.5°	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4	1774.2	1777.8
177.5°	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3	1775.1	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2062.3	2050.7	2050.7	2031.5	2023.9	2018.0	2008.5	1979.6	1972.0	1964.2	1975.8
5°	2079.6	2058.5	2043.1	2008.5	1979.6	1968.0	1931.5	1862.3	1816.1	1781.5	1762.3
7.5°	2083.4	2056.6	2027.7	1973.9	1904.5	1873.8	1762.3	1635.3	1600.6	1569.9	1550.6
10°	2079.6	2048.8	2008.5	1927.7	1764.2	1710.2	1598.7	1515.9	1494.8	1489.1	1494.8
12.5°	2066.1	2037.4	1981.5	1846.9	1618.0	1581.4	1515.9	1467.9	1464.0	1473.7	1525.6
15°	2043.1	2016.1	1950.7	1739.1	1537.2	1510.2	1464.0	1446.7	1467.9	1535.2	1691.0
17.5°	2020.1	1989.3	1908.5	1633.4	1475.6	1456.4	1423.6	1458.3	1577.5	1668.0	1719.9
20°	1989.3	1952.6	1860.4	1556.4	1431.3	1414.0	1398.6	1554.5	1644.8	1677.5	1706.4
22.5°	1952.6	1914.2	1795.0	1502.5	1385.1	1371.7	1381.3	1608.3	1644.8	1668.0	1692.9
25°	1904.5	1871.8	1718.0	1460.2	1348.6	1333.2	1369.7	1602.6	1623.7	1629.4	1679.5
27.5°	1860.4	1818.0	1637.2	1421.7	1304.3	1298.6	1379.4	1577.5	1592.9	1598.7	1652.6
30°	1806.4	1742.9	1546.7	1381.3	1258.2	1256.2	1381.3	1546.7	1542.9	1558.3	1612.1
32.5°	1750.7	1631.4	1444.8	1331.3	1213.9	1212.0	1367.8	1500.6	1496.7	1517.9	1558.3
35°	1698.8	1544.8	1306.3	1273.6	1158.1	1160.1	1335.1	1446.7	1448.6	1467.9	1492.9
37.5°	1644.8	1469.8	1154.3	1210.1	1104.3	1104.3	1290.9	1396.7	1392.9	1398.6	1433.2
40°	1581.4	1352.4	1019.6	1127.4	1054.3	1048.5	1237.0	1342.8	1329.4	1327.5	1375.5
42.5°	1514.0	1223.5	919.6	1017.7	996.5	988.8	1171.6	1277.4	1252.4	1258.2	1319.7
45°	1441.0	1188.9	842.6	859.9	936.9	931.1	1100.4	1202.4	1185.1	1200.5	1264.0
47.5°	1367.8	1119.7	817.6	713.7	873.4	871.5	1021.5	1129.3	1119.7	1135.1	1202.4
50°	1267.8	1042.7	815.7	611.8	802.2	809.9	927.3	1058.1	1058.1	1071.6	1142.7
52.5°	1138.9	948.4	740.7	554.0	719.5	742.6	844.5	996.5	1000.4	1013.9	1077.3
55°	1021.5	850.3	686.8	509.8	621.4	671.4	763.7	933.1	940.7	954.2	1011.9
57.5°	913.8	708.0	675.3	457.8	531.0	579.1	692.6	871.5	875.3	886.9	942.7
60°	798.4	511.8	619.5	402.1	452.1	488.6	627.2	798.4	811.8	819.6	867.6
62.5°	667.5	371.3	561.8	363.6	413.6	421.3	573.3	729.1	746.4	752.2	781.1
65°	475.2	311.6	477.1	330.9	373.2	375.1	515.6	658.0	673.4	682.9	704.1
67.5°	321.3	254.0	363.6	300.1	342.4	344.3	459.8	575.2	596.4	604.1	617.5
70°	223.2	169.3	269.4	267.4	307.8	311.6	400.2	500.2	519.4	525.2	532.9
72.5°	163.5	136.5	223.2	240.5	271.3	275.1	338.6	415.6	434.8	440.5	444.4
75°	125.1	144.3	180.8	209.7	230.8	232.7	277.0	338.6	352.1	355.9	357.8
77.5°	100.0	134.6	132.7	169.3	188.6	184.6	217.4	261.6	273.2	273.2	273.2
80°	75.1	105.9	100.0	121.2	138.6	134.6	155.9	186.6	190.5	194.3	192.4
82.5°	55.7	67.3	67.3	77.0	92.4	88.5	103.8	121.2	121.2	121.2	125.1
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.8	65.4	67.3	67.3	63.5
87.5°	21.1	17.3	9.7	15.4	23.0	23.0	27.0	28.9	27.0	27.0	27.0
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4
95°	411.5	263.0	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6
97.5°	460.0	329.0	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9
100°	500.0	381.2	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8
102.5°	539.0	428.2	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1
105°	598.2	504.3	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0
107.5°	680.9	593.4	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5
110°	728.3	649.4	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3



TEST NUMBER: P935030

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.2	708.9	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6
115°	867.9	798.5	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6
117.5°	949.5	886.4	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6
120°	997.0	937.5	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7
122.5°	1051.7	991.9	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4
125°	1123.4	1068.8	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1
127.5°	1191.3	1136.1	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7
130°	1235.6	1176.2	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7
132.5°	1272.6	1213.2	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6
135°	1316.9	1262.7	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4
137.5°	1371.9	1318.3	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3
140°	1409.9	1360.7	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3
142.5°	1438.3	1392.7	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3
145°	1481.5	1441.7	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9
147.5°	1534.3	1495.6	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8
150°	1562.6	1527.6	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8
152.5°	1582.7	1556.1	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1
155°	1623.8	1604.1	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6
157.5°	1663.3	1644.2	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2
160°	1682.2	1667.4	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5
162.5°	1702.2	1691.0	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5
165°	1729.9	1719.8	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3
167.5°	1746.8	1742.0	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4
170°	1764.7	1760.0	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4
172.5°	1766.8	1765.7	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9
175°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2
177.5°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935030

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	1962.3	1956.6	1964.2	1943.1	1964.2	1956.6	1962.3	1975.8	1964.2	1972.0	1979.6
5°	1721.8	1712.2	1681.5	1656.4	1681.5	1712.2	1721.8	1762.3	1781.5	1816.1	1862.3
7.5°	1539.1	1531.3	1523.7	1508.3	1523.7	1531.3	1539.1	1550.6	1569.9	1600.6	1635.3
10°	1498.6	1500.6	1512.1	1510.2	1512.1	1500.6	1498.6	1494.8	1489.1	1494.8	1515.9
12.5°	1602.6	1619.9	1683.4	1679.5	1683.4	1619.9	1602.6	1525.6	1473.7	1464.0	1467.9
15°	1721.8	1727.6	1741.0	1742.9	1741.0	1727.6	1721.8	1691.0	1535.2	1467.9	1446.7
17.5°	1733.4	1735.3	1744.9	1744.9	1744.9	1735.3	1733.4	1719.9	1668.0	1577.5	1458.3
20°	1723.7	1727.6	1746.9	1750.7	1746.9	1727.6	1723.7	1706.4	1677.5	1644.8	1554.5
22.5°	1719.9	1727.6	1742.9	1741.0	1742.9	1727.6	1719.9	1692.9	1668.0	1644.8	1608.3
25°	1700.7	1700.7	1702.6	1704.5	1702.6	1700.7	1700.7	1679.5	1629.4	1623.7	1602.6
27.5°	1660.2	1664.1	1675.6	1673.7	1675.6	1664.1	1660.2	1652.6	1598.7	1592.9	1577.5
30°	1623.7	1619.9	1610.2	1602.6	1610.2	1619.9	1623.7	1612.1	1558.3	1542.9	1546.7
32.5°	1562.1	1552.5	1542.9	1537.2	1542.9	1552.5	1562.1	1558.3	1517.9	1496.7	1500.6
35°	1489.1	1491.0	1489.1	1483.2	1489.1	1491.0	1489.1	1492.9	1467.9	1448.6	1446.7
37.5°	1437.1	1441.0	1439.0	1431.3	1439.0	1441.0	1437.1	1433.2	1398.6	1392.9	1396.7
40°	1383.2	1385.1	1383.2	1377.5	1383.2	1385.1	1383.2	1375.5	1327.5	1329.4	1342.8
42.5°	1331.3	1329.4	1323.6	1319.7	1323.6	1329.4	1331.3	1319.7	1258.2	1252.4	1277.4
45°	1271.6	1273.6	1262.0	1256.2	1262.0	1273.6	1271.6	1264.0	1200.5	1185.1	1202.4
47.5°	1212.0	1212.0	1202.4	1196.6	1202.4	1212.0	1212.0	1202.4	1135.1	1119.7	1129.3
50°	1148.5	1146.6	1133.1	1131.2	1133.1	1146.6	1148.5	1142.7	1071.6	1058.1	1058.1
52.5°	1075.4	1075.4	1077.3	1081.2	1077.3	1075.4	1075.4	1077.3	1013.9	1000.4	996.5
55°	1011.9	1013.9	1027.3	1031.2	1027.3	1013.9	1011.9	1011.9	954.2	940.7	933.1
57.5°	946.5	946.5	956.1	956.1	956.1	946.5	946.5	942.7	886.9	875.3	871.5
60°	871.5	875.3	883.0	881.1	883.0	875.3	871.5	867.6	819.6	811.8	798.4
62.5°	792.6	796.5	798.4	794.5	798.4	796.5	792.6	781.1	752.2	746.4	729.1
65°	709.9	713.7	715.6	711.8	715.6	713.7	709.9	704.1	682.9	673.4	658.0
67.5°	625.3	623.3	621.4	629.1	621.4	623.3	625.3	617.5	604.1	596.4	575.2
70°	538.6	538.6	536.7	540.6	536.7	538.6	538.6	532.9	525.2	519.4	500.2
72.5°	446.4	444.4	452.1	446.4	452.1	444.4	446.4	444.4	440.5	434.8	415.6
75°	355.9	359.7	355.9	361.6	355.9	359.7	355.9	357.8	355.9	352.1	338.6
77.5°	271.3	275.1	271.3	271.3	271.3	275.1	271.3	273.2	273.2	273.2	261.6
80°	192.4	190.5	190.5	188.6	190.5	190.5	192.4	192.4	194.3	190.5	186.6
82.5°	123.2	121.2	121.2	125.1	121.2	121.2	123.2	125.1	121.2	121.2	121.2
85°	67.3	69.2	65.4	65.4	65.4	69.2	67.3	63.5	67.3	67.3	65.4
87.5°	25.1	23.0	23.0	23.0	23.0	23.0	25.1	27.0	27.0	27.0	28.9
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4
95°	769.5	742.2	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6
97.5°	1776.6	1724.7	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7
100°	2494.9	2433.0	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2
102.5°	3108.2	3055.1	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6
105°	3824.1	3795.6	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2
107.5°	4196.3	4203.2	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8
110°	4291.8	4321.5	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4231.0	4276.6	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9
115°	4024.5	4087.7	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0
117.5°	3739.4	3809.5	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2
120°	3547.3	3615.5	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8
122.5°	3355.2	3422.4	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6
125°	3101.0	3162.9	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0
127.5°	2897.0	2949.2	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6
130°	2768.2	2816.5	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3
132.5°	2658.4	2701.6	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9
135°	2503.2	2540.5	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4
137.5°	2388.8	2419.3	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7
140°	2296.9	2325.4	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5
142.5°	2232.4	2256.9	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5
145°	2135.8	2154.3	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6
147.5°	2054.7	2070.1	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2
150°	2008.1	2020.5	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4
152.5°	1971.1	1980.5	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3
155°	1926.9	1933.1	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1
157.5°	1888.8	1893.2	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9
160°	1869.6	1872.1	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8
162.5°	1851.8	1854.2	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0
165°	1824.3	1826.8	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1
167.5°	1812.5	1813.5	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8
172.5°	1802.9	1801.9	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4
177.5°	1787.3	1786.3	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2033.4	2033.4	2033.4	2033.4	2033.4
2.5°	2008.5	2018.0	2023.9	2031.5	2050.7
5°	1931.5	1968.0	1979.6	2008.5	2043.1
7.5°	1762.3	1873.8	1904.5	1973.9	2027.7
10°	1598.7	1710.2	1764.2	1927.7	2008.5
12.5°	1515.9	1581.4	1618.0	1846.9	1981.5
15°	1464.0	1510.2	1537.2	1739.1	1950.7
17.5°	1423.6	1456.4	1475.6	1633.4	1908.5
20°	1398.6	1414.0	1431.3	1556.4	1860.4
22.5°	1381.3	1371.7	1385.1	1502.5	1795.0
25°	1369.7	1333.2	1348.6	1460.2	1718.0
27.5°	1379.4	1298.6	1304.3	1421.7	1637.2
30°	1381.3	1256.2	1258.2	1381.3	1546.7
32.5°	1367.8	1212.0	1213.9	1331.3	1444.8
35°	1335.1	1160.1	1158.1	1273.6	1306.3
37.5°	1290.9	1104.3	1104.3	1210.1	1154.3
40°	1237.0	1048.5	1054.3	1127.4	1019.6
42.5°	1171.6	988.8	996.5	1017.7	919.6
45°	1100.4	931.1	936.9	859.9	842.6
47.5°	1021.5	871.5	873.4	713.7	817.6
50°	927.3	809.9	802.2	611.8	815.7
52.5°	844.5	742.6	719.5	554.0	740.7
55°	763.7	671.4	621.4	509.8	686.8
57.5°	692.6	579.1	531.0	457.8	675.3
60°	627.2	488.6	452.1	402.1	619.5
62.5°	573.3	421.3	413.6	363.6	561.8
65°	515.6	375.1	373.2	330.9	477.1
67.5°	459.8	344.3	342.4	300.1	363.6
70°	400.2	311.6	307.8	267.4	269.4
72.5°	338.6	275.1	271.3	240.5	223.2
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.6	169.3	132.7
80°	155.9	134.6	138.6	121.2	100.0
82.5°	103.8	88.5	92.4	77.0	67.3
85°	57.8	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.8	230.3	210.0	128.8	47.7
95°	796.6	448.6	411.5	263.0	114.6
97.5°	1073.0	492.8	460.0	329.0	198.0
100°	1173.6	529.7	500.0	381.2	262.5
102.5°	1219.8	566.7	539.0	428.2	317.4
105°	1254.0	621.6	598.2	504.3	410.5
107.5°	1260.4	702.8	680.9	593.4	505.9
110°	1250.8	748.1	728.3	649.4	570.4



TEST NUMBER: P935030

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1251.3	803.0	784.2	708.9	633.6
115°	1262.7	885.3	867.9	798.5	729.0
117.5°	1286.3	965.3	949.5	886.4	823.3
120°	1305.4	1011.8	997.0	937.5	878.2
122.5°	1332.8	1066.7	1051.7	991.9	931.9
125°	1369.7	1137.1	1123.4	1068.8	1014.2
127.5°	1406.8	1205.1	1191.3	1136.1	1081.0
130°	1433.8	1250.4	1235.6	1176.2	1116.8
132.5°	1455.6	1287.4	1272.6	1213.2	1153.8
135°	1479.5	1330.4	1316.9	1262.7	1208.7
137.5°	1515.3	1385.2	1371.9	1318.3	1264.8
140°	1537.2	1422.2	1409.9	1360.7	1311.3
142.5°	1555.4	1449.7	1438.3	1392.7	1347.1
145°	1579.3	1491.5	1481.5	1441.7	1402.0
147.5°	1614.3	1544.0	1534.3	1495.6	1456.9
150°	1632.7	1571.4	1562.6	1527.6	1492.6
152.5°	1644.6	1589.3	1582.7	1556.1	1529.6
155°	1670.9	1628.7	1623.8	1604.1	1584.5
157.5°	1697.1	1668.1	1663.3	1644.2	1625.1
160°	1709.0	1686.0	1682.2	1667.4	1652.5
162.5°	1721.7	1705.0	1702.2	1691.0	1679.9
165°	1740.0	1732.4	1729.9	1719.8	1709.8
167.5°	1754.3	1748.0	1746.8	1742.0	1737.2
170°	1766.3	1765.9	1764.7	1760.0	1755.2
172.5°	1767.0	1767.0	1766.8	1765.7	1764.7
175°	1774.2	1777.8	1777.8	1777.8	1777.8
177.5°	1775.1	1777.8	1777.8	1777.8	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935030
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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	9.18	9.89	10.28	10.99	12.51	12.03	12.74	13.13	13.84	15.36
	3H	9.64	10.28	10.75	11.39	12.92	13.37	14.01	14.48	15.12	16.65
	4H	9.83	10.44	10.95	11.54	13.08	13.81	14.42	14.93	15.53	17.06
	6H	9.94	10.50	11.07	11.61	13.16	14.09	14.65	15.22	15.76	17.31
	8H	9.93	10.47	11.07	11.59	13.13	14.17	14.70	15.30	15.83	17.37
	12H	9.90	10.41	11.04	11.53	13.09	14.20	14.71	15.34	15.83	17.39
4H	2H	10.20	10.80	11.32	11.91	13.45	12.42	13.03	13.55	14.13	15.67
	3H	11.21	11.72	12.34	12.85	14.40	13.92	14.42	15.05	15.56	17.11
	4H	11.48	11.95	12.62	13.07	14.64	14.44	14.91	15.58	16.03	17.60
	6H	11.60	12.00	12.74	13.14	14.70	14.81	15.20	15.95	16.35	17.91
	8H	11.60	11.97	12.74	13.11	14.69	14.91	15.28	16.06	16.42	18.00
	12H	11.56	11.90	12.72	13.05	14.63	14.97	15.30	16.13	16.45	18.03
8H	4H	11.92	12.30	13.07	13.44	15.01	14.56	14.93	15.70	16.07	17.64
	6H	12.18	12.49	13.34	13.67	15.24	14.99	15.30	16.16	16.48	18.05
	8H	12.22	12.49	13.39	13.65	15.24	15.15	15.41	16.32	16.57	18.17
	12H	12.20	12.43	13.37	13.59	15.22	15.24	15.48	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	13.67	15.26	14.99	15.26	16.16	16.41	18.01
	8H	12.30	12.54	13.47	13.69	15.32	15.14	15.38	16.32	16.54	18.17