

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: P935916

Luminaire Tested: SQ4-FA-150U-075D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935916
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

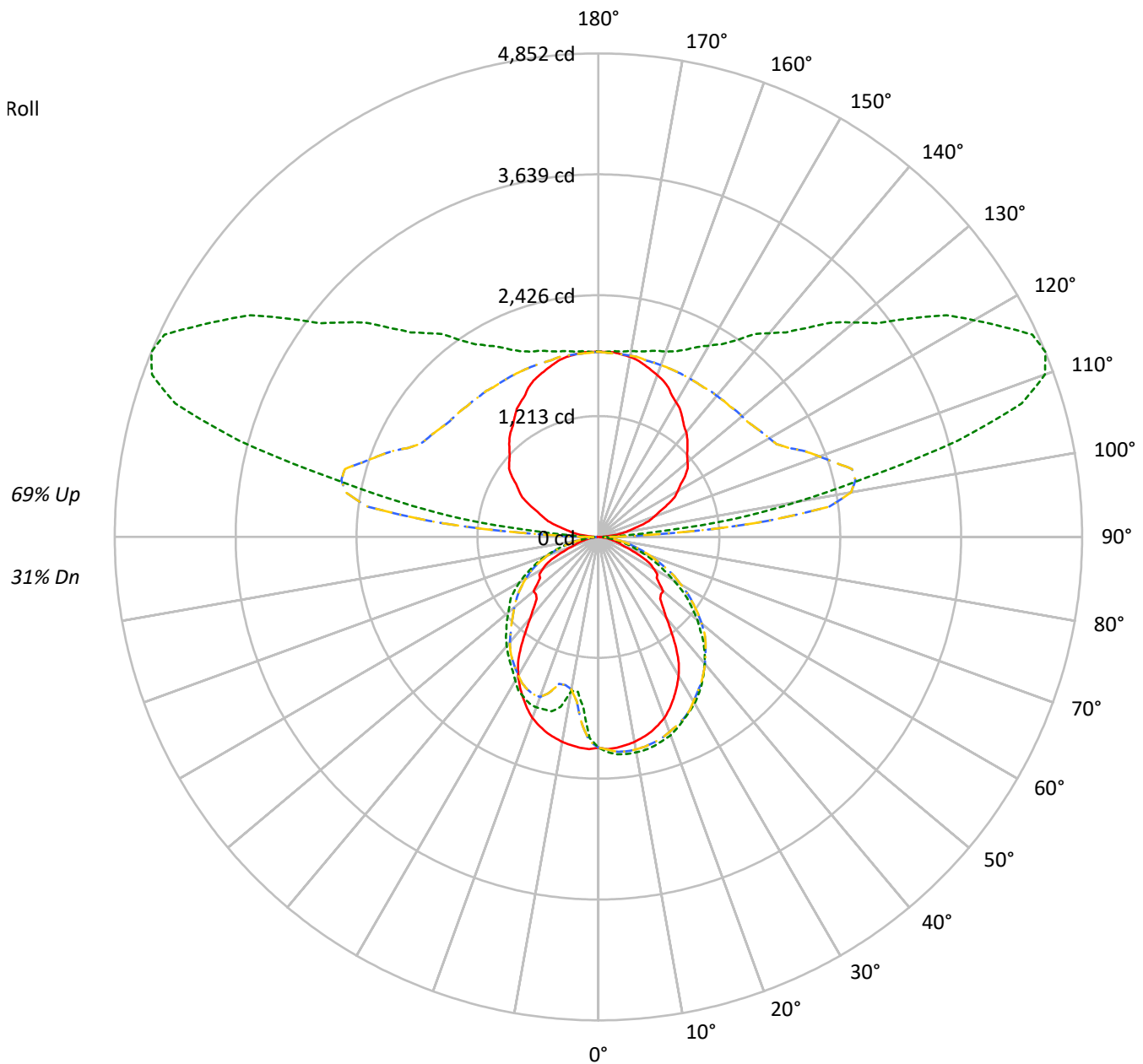
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17537.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 127.2
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	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	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	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	33	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	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	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	14	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°	9808	9808	9808	9808
5°	9881	9900	9881	7785
10°	9815	9752	9815	6972
15°	9708	9541	9708	7967
20°	9505	9291	9505	7984
25°	9089	8926	9089	7814
30°	8552	8623	8552	7443
35°	7624	8239	7624	7035
40°	6353	7788	6353	6726
45°	5677	7259	5677	6371
50°	6031	6629	6031	6016
55°	5674	5951	5674	5810
60°	5849	5054	5849	5321
65°	5303	4178	5303	4670
70°	3672	3330	3672	3915
75°	3220	2461	3220	2947
80°	2595	1627	2595	1772
85°	1491	862	1491	733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8700 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.8	1.1
10°-20°	541.8	3.1
20°-30°	837.5	4.8
30°-40°	999.8	5.7
40°-50°	1005.6	5.7
50°-60°	875.1	5.0
60°-70°	620.4	3.5
70°-80°	328.2	1.9
80°-90°	88.8	0.5
90°-100°	906.0	5.2
100°-110°	2381.9	13.6
110°-120°	2469.8	14.1
120°-130°	1981.1	11.3
130°-140°	1554.4	8.9
140°-150°	1193.1	6.8
150°-160°	859.2	4.9
160°-170°	525.7	3.0
170°-180°	177.6	1.0
0°-30°	1570.1	9.0
0°-40°	2569.9	14.7
0°-60°	4450.6	25.4
0°-90°	5488.1	31.3
90°-120°	5757.7	32.8
90°-150°	10486.3	59.8
90°-180°	12049.0	68.7
0°-180°	17537.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2114	2114	2114	2114	2114	
5°	2124	2190	2124	1722	2124	201
15°	2028	2170	2028	1812	2028	571
25°	1786	2024	1786	1772	1786	820
35°	1358	1806	1358	1542	1358	840
45°	876	1488	876	1306	876	702
55°	714	1098	714	1072	714	656
65°	496	662	496	740	496	474
75°	188	314	188	376	188	198
85°	32	80	32	68	32	43
90°	12	47	12	47	12	12
95°	120	548	120	548	120	133
105°	429	3730	429	3730	429	455
115°	762	4802	762	4802	762	753
125°	1060	3825	1060	3825	1060	941
135°	1264	2968	1264	2968	1264	978
145°	1466	2408	1466	2408	1466	918
155°	1657	2073	1657	2073	1657	761
165°	1788	1931	1788	1931	1788	504
175°	1859	1871	1859	1871	1859	176
180°	1859	1859	1859	1859	1859	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2131.9	2131.9	2143.9	2147.9	2147.9	2141.9	2135.9	2141.9	2159.9	2165.9	2163.9
5°	2123.9	2139.9	2161.9	2165.9	2169.9	2167.9	2163.9	2167.9	2187.9	2191.9	2193.9
7.5°	2107.9	2137.9	2165.9	2171.9	2177.9	2171.9	2169.9	2173.9	2193.9	2197.9	2197.9
10°	2087.9	2129.9	2161.9	2165.9	2171.9	2165.9	2165.9	2173.9	2193.9	2197.9	2199.9
12.5°	2059.9	2117.9	2147.9	2151.9	2159.9	2157.9	2155.9	2163.9	2183.9	2187.9	2187.9
15°	2027.9	2095.9	2123.9	2127.9	2141.9	2137.9	2137.9	2145.9	2167.9	2173.9	2171.9
17.5°	1983.9	2067.9	2099.9	2105.9	2115.9	2113.9	2115.9	2123.9	2143.9	2147.9	2149.9
20°	1933.9	2029.9	2067.9	2073.9	2083.9	2083.9	2083.9	2093.9	2113.9	2121.9	2121.9
22.5°	1865.9	1989.9	2029.9	2033.9	2045.9	2045.9	2049.9	2063.9	2081.9	2083.9	2083.9
25°	1785.9	1945.9	1979.9	1991.9	2003.9	2009.9	2015.9	2023.9	2029.9	2027.9	2029.9
27.5°	1701.9	1889.9	1933.9	1941.9	1957.9	1963.9	1971.9	1973.9	1975.9	1981.9	1977.9
30°	1607.9	1811.9	1877.9	1885.9	1911.9	1915.9	1907.9	1911.9	1921.9	1925.9	1929.9
32.5°	1501.9	1695.9	1819.9	1837.9	1861.9	1849.9	1847.9	1853.9	1869.9	1869.9	1873.9
35°	1357.9	1605.9	1765.9	1781.9	1799.9	1785.9	1793.9	1795.9	1805.9	1811.9	1809.9
37.5°	1199.9	1527.9	1709.9	1721.9	1735.9	1717.9	1729.9	1735.9	1743.9	1739.9	1739.9
40°	1060.0	1405.9	1643.9	1651.9	1663.9	1649.9	1661.9	1665.9	1669.9	1665.9	1663.9
42.5°	956.0	1271.9	1573.9	1583.9	1575.9	1585.9	1589.9	1597.9	1591.9	1583.9	1583.9
45°	876.0	1235.9	1497.9	1509.9	1497.9	1513.9	1519.9	1519.9	1501.9	1497.9	1495.9
47.5°	850.0	1164.0	1421.9	1421.9	1415.9	1435.9	1445.9	1431.9	1413.9	1407.9	1407.9
50°	848.0	1084.0	1317.9	1309.9	1337.9	1361.9	1351.9	1337.9	1323.9	1301.9	1301.9
52.5°	770.0	986.0	1184.0	1213.9	1257.9	1271.9	1255.9	1241.9	1217.9	1207.9	1199.9
55°	714.0	884.0	1062.0	1122.0	1168.0	1186.0	1156.0	1142.0	1106.0	1100.0	1096.0
57.5°	702.0	736.0	950.0	1026.0	1082.0	1080.0	1062.0	1036.0	1006.0	1000.0	998.0
60°	644.0	532.0	830.0	920.0	978.0	972.0	956.0	932.0	904.0	900.0	896.0
62.5°	584.0	386.0	694.0	796.0	878.0	876.0	862.0	826.0	806.0	796.0	788.0
65°	496.0	324.0	494.0	662.0	780.0	784.0	754.0	728.0	706.0	694.0	692.0
67.5°	378.0	264.0	334.0	552.0	686.0	682.0	644.0	632.0	604.0	598.0	586.0
70°	280.0	176.0	232.0	448.0	594.0	584.0	554.0	540.0	514.0	500.0	492.0
72.5°	232.0	142.0	170.0	348.0	500.0	488.0	462.0	446.0	424.0	412.0	404.0
75°	188.0	150.0	130.0	258.0	406.0	398.0	374.0	358.0	340.0	324.0	326.0
77.5°	138.0	140.0	104.0	190.0	322.0	310.0	296.0	276.0	268.0	252.0	252.0
80°	104.0	110.0	78.0	130.0	232.0	232.0	220.0	206.0	192.0	184.0	184.0
82.5°	70.0	70.0	58.0	82.0	158.0	152.0	144.0	140.0	132.0	128.0	128.0
85°	32.0	40.0	36.0	50.0	86.0	90.0	90.0	86.0	84.0	80.0	82.0
87.5°	10.0	18.0	22.0	28.0	44.0	46.0	48.0	48.0	48.0	50.0	50.0
90°	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2	47.4	47.4
92.5°	49.9	134.7	219.6	240.8	338.5	468.8	533.9	467.9	336.0	237.0	227.6
95°	119.8	275.0	430.2	469.0	832.8	1317.9	1560.5	1392.5	1056.6	804.6	776.0
97.5°	207.1	344.0	481.0	515.2	1121.9	1930.8	2335.2	2229.0	2016.7	1857.4	1803.1
100°	274.4	398.6	522.8	553.9	1227.1	2124.6	2573.4	2581.2	2596.7	2608.3	2543.6
102.5°	331.8	447.7	563.5	592.5	1275.3	2185.6	2640.8	2776.1	3046.6	3249.5	3194.1
105°	429.1	527.2	625.4	649.9	1311.0	2192.5	2633.3	2936.6	3543.1	3998.0	3968.2
107.5°	528.9	620.4	711.8	734.7	1317.7	2095.0	2483.6	2906.6	3752.7	4387.2	4394.4
110°	596.3	678.9	761.5	782.1	1307.7	2008.5	2358.9	2831.8	3777.6	4487.0	4518.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.4	741.1	819.8	839.5	1308.1	1932.9	2245.3	2729.3	3697.3	4423.3	4471.0
115°	762.2	834.8	907.4	925.6	1320.2	1846.3	2109.4	2575.6	3508.1	4207.5	4273.6
117.5°	860.7	926.7	992.7	1009.2	1344.7	1792.1	2015.8	2436.6	3278.2	3909.4	3982.7
120°	918.1	980.2	1042.3	1057.8	1364.7	1773.8	1978.4	2362.9	3131.9	3708.6	3779.8
122.5°	974.2	1036.9	1099.5	1115.2	1393.4	1764.3	1949.7	2295.9	2988.4	3507.7	3578.0
125°	1060.3	1117.4	1174.5	1188.8	1432.0	1756.3	1918.5	2212.6	2800.8	3242.0	3306.7
127.5°	1130.2	1187.8	1245.5	1259.9	1470.7	1751.8	1892.3	2144.8	2649.9	3028.7	3083.3
130°	1167.6	1229.7	1291.8	1307.3	1499.0	1754.5	1882.3	2107.1	2556.8	2894.0	2944.5
132.5°	1206.3	1268.4	1330.5	1346.0	1521.9	1756.4	1873.6	2074.8	2477.3	2779.2	2824.4
135°	1263.6	1320.2	1376.8	1390.9	1546.8	1754.7	1858.6	2027.2	2364.3	2617.1	2656.0
137.5°	1322.3	1378.3	1434.2	1448.2	1584.2	1765.5	1856.2	1998.7	2283.6	2497.3	2529.2
140°	1370.9	1422.5	1474.0	1486.9	1607.1	1767.3	1847.4	1970.5	2216.7	2401.3	2431.1
142.5°	1408.3	1456.0	1503.7	1515.6	1626.2	1773.7	1847.4	1955.5	2171.7	2333.9	2359.5
145°	1465.7	1507.3	1548.9	1559.3	1651.2	1773.7	1834.9	1923.3	2100.2	2232.9	2252.3
147.5°	1523.1	1563.6	1604.1	1614.2	1687.8	1785.9	1834.9	1904.5	2043.6	2148.0	2164.1
150°	1560.5	1597.1	1633.7	1642.8	1706.8	1792.2	1834.9	1893.7	2011.2	2099.4	2112.4
152.5°	1599.2	1626.9	1654.7	1661.6	1719.4	1796.4	1834.9	1885.1	1985.4	2060.7	2070.5
155°	1656.6	1677.1	1697.6	1702.7	1746.8	1805.5	1834.9	1874.8	1954.7	2014.6	2021.1
157.5°	1699.0	1719.0	1738.9	1743.9	1774.2	1814.7	1834.9	1866.0	1928.1	1974.7	1979.3
160°	1727.7	1743.2	1758.7	1762.6	1786.7	1818.8	1834.9	1861.5	1914.8	1954.7	1957.3
162.5°	1756.4	1768.0	1779.7	1782.6	1800.0	1823.3	1834.9	1857.4	1902.3	1936.0	1938.5
165°	1787.5	1798.0	1808.6	1811.2	1819.1	1829.6	1834.9	1851.0	1883.2	1907.3	1909.9
167.5°	1816.2	1821.2	1826.2	1827.5	1834.1	1843.0	1847.4	1857.9	1879.0	1894.8	1895.9
170°	1834.9	1839.9	1844.9	1846.2	1846.6	1847.1	1847.4	1857.9	1879.0	1894.8	1894.8
172.5°	1844.9	1846.0	1847.1	1847.4	1847.4	1847.4	1847.4	1855.7	1872.3	1884.8	1883.8
175°	1858.6	1858.6	1858.6	1858.6	1854.9	1849.9	1847.4	1852.7	1863.2	1871.1	1871.1
177.5°	1858.6	1858.6	1858.6	1858.6	1855.7	1851.8	1849.9	1854.1	1862.4	1868.6	1867.5
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2167.9	2161.9	2167.9	2163.9	2165.9	2159.9	2141.9	2135.9	2141.9	2147.9	2147.9
5°	2193.9	2189.9	2193.9	2193.9	2191.9	2187.9	2167.9	2163.9	2167.9	2169.9	2165.9
7.5°	2201.9	2195.9	2201.9	2197.9	2197.9	2193.9	2173.9	2169.9	2171.9	2177.9	2171.9
10°	2201.9	2195.9	2201.9	2199.9	2197.9	2193.9	2173.9	2165.9	2165.9	2171.9	2165.9
12.5°	2191.9	2187.9	2191.9	2187.9	2187.9	2183.9	2163.9	2155.9	2157.9	2159.9	2151.9
15°	2175.9	2169.9	2175.9	2171.9	2173.9	2167.9	2145.9	2137.9	2137.9	2141.9	2127.9
17.5°	2151.9	2143.9	2151.9	2149.9	2147.9	2143.9	2123.9	2115.9	2113.9	2115.9	2105.9
20°	2123.9	2117.9	2123.9	2121.9	2121.9	2113.9	2093.9	2083.9	2083.9	2083.9	2073.9
22.5°	2079.9	2073.9	2079.9	2083.9	2083.9	2081.9	2063.9	2049.9	2045.9	2045.9	2033.9
25°	2029.9	2023.9	2029.9	2029.9	2027.9	2029.9	2023.9	2015.9	2009.9	2003.9	1991.9
27.5°	1981.9	1977.9	1981.9	1977.9	1981.9	1975.9	1973.9	1971.9	1963.9	1957.9	1941.9
30°	1933.9	1929.9	1933.9	1929.9	1925.9	1921.9	1911.9	1907.9	1915.9	1911.9	1885.9
32.5°	1873.9	1869.9	1873.9	1873.9	1869.9	1869.9	1853.9	1847.9	1849.9	1861.9	1837.9
35°	1811.9	1805.9	1811.9	1809.9	1811.9	1805.9	1795.9	1793.9	1785.9	1799.9	1781.9
37.5°	1739.9	1733.9	1739.9	1739.9	1739.9	1743.9	1735.9	1729.9	1717.9	1735.9	1721.9
40°	1665.9	1657.9	1665.9	1663.9	1665.9	1669.9	1665.9	1661.9	1649.9	1663.9	1651.9
42.5°	1581.9	1579.9	1581.9	1583.9	1583.9	1591.9	1597.9	1589.9	1585.9	1575.9	1583.9
45°	1491.9	1487.9	1491.9	1495.9	1497.9	1501.9	1519.9	1519.9	1513.9	1497.9	1509.9
47.5°	1395.9	1385.9	1395.9	1407.9	1407.9	1413.9	1431.9	1445.9	1435.9	1415.9	1421.9
50°	1293.9	1295.9	1293.9	1301.9	1301.9	1323.9	1337.9	1351.9	1361.9	1337.9	1309.9
52.5°	1193.9	1192.0	1193.9	1199.9	1207.9	1217.9	1241.9	1255.9	1271.9	1257.9	1213.9
55°	1094.0	1098.0	1094.0	1096.0	1100.0	1106.0	1142.0	1156.0	1186.0	1168.0	1122.0
57.5°	994.0	988.0	994.0	998.0	1000.0	1006.0	1036.0	1062.0	1080.0	1082.0	1026.0
60°	878.0	870.0	878.0	896.0	900.0	904.0	932.0	956.0	972.0	978.0	920.0
62.5°	776.0	762.0	776.0	788.0	796.0	806.0	826.0	862.0	876.0	878.0	796.0
65°	668.0	662.0	668.0	692.0	694.0	706.0	728.0	754.0	784.0	780.0	662.0
67.5°	570.0	570.0	570.0	586.0	598.0	604.0	632.0	644.0	682.0	686.0	552.0
70°	480.0	478.0	480.0	492.0	500.0	514.0	540.0	554.0	584.0	594.0	448.0
72.5°	394.0	392.0	394.0	404.0	412.0	424.0	446.0	462.0	488.0	500.0	348.0
75°	318.0	314.0	318.0	326.0	324.0	340.0	358.0	374.0	398.0	406.0	258.0
77.5°	244.0	244.0	244.0	252.0	252.0	268.0	276.0	296.0	310.0	322.0	190.0
80°	182.0	180.0	182.0	184.0	184.0	192.0	206.0	220.0	232.0	232.0	130.0
82.5°	128.0	124.0	128.0	128.0	128.0	132.0	140.0	144.0	152.0	158.0	82.0
85°	80.0	80.0	80.0	82.0	80.0	84.0	86.0	90.0	90.0	86.0	50.0
87.5°	52.0	50.0	52.0	50.0	50.0	48.0	48.0	48.0	46.0	44.0	28.0
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5	54.9	34.9
92.5°	189.9	152.2	189.9	227.6	237.0	336.0	467.9	533.9	468.8	338.5	240.8
95°	661.8	547.6	661.8	776.0	804.6	1056.6	1392.5	1560.5	1317.9	832.8	469.0
97.5°	1585.7	1368.4	1585.7	1803.1	1857.4	2016.7	2229.0	2335.2	1930.8	1121.9	515.2
100°	2284.7	2025.8	2284.7	2543.6	2608.3	2596.7	2581.2	2573.4	2124.6	1227.1	553.9
102.5°	2972.3	2750.6	2972.3	3194.1	3249.5	3046.6	2776.1	2640.8	2185.6	1275.3	592.5
105°	3849.0	3729.8	3849.0	3968.2	3998.0	3543.1	2936.6	2633.3	2192.5	1311.0	649.9
107.5°	4423.2	4452.0	4423.2	4394.4	4387.2	3752.7	2906.6	2483.6	2095.0	1317.7	734.7
110°	4642.2	4766.4	4642.2	4518.0	4487.0	3777.6	2831.8	2358.9	2008.5	1307.7	782.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4661.7	4852.4	4661.7	4471.0	4423.3	3697.3	2729.3	2245.3	1932.9	1308.1	839.5
115°	4538.1	4802.5	4538.1	4273.6	4207.5	3508.1	2575.6	2109.4	1846.3	1320.2	925.6
117.5°	4276.0	4569.3	4276.0	3982.7	3909.4	3278.2	2436.6	2015.8	1792.1	1344.7	1009.2
120°	4064.8	4349.7	4064.8	3779.8	3708.6	3131.9	2362.9	1978.4	1773.8	1364.7	1057.8
122.5°	3859.1	4140.2	3859.1	3578.0	3507.7	2988.4	2295.9	1949.7	1764.3	1393.4	1115.2
125°	3565.7	3824.6	3565.7	3306.7	3242.0	2800.8	2212.6	1918.5	1756.3	1432.0	1188.8
127.5°	3301.8	3520.2	3301.8	3083.3	3028.7	2649.9	2144.8	1892.3	1751.8	1470.7	1259.9
130°	3146.3	3348.1	3146.3	2944.5	2894.0	2556.8	2107.1	1882.3	1754.5	1499.0	1307.3
132.5°	3005.1	3185.9	3005.1	2824.4	2779.2	2477.3	2074.8	1873.6	1756.4	1521.9	1346.0
135°	2811.8	2967.6	2811.8	2656.0	2617.1	2364.3	2027.2	1858.6	1754.7	1546.8	1390.9
137.5°	2656.7	2784.2	2656.7	2529.2	2497.3	2283.6	1998.7	1856.2	1765.5	1584.2	1448.2
140°	2550.3	2669.5	2550.3	2431.1	2401.3	2216.7	1970.5	1847.4	1767.3	1607.1	1486.9
142.5°	2462.1	2564.7	2462.1	2359.5	2333.9	2171.7	1955.5	1847.4	1773.7	1626.2	1515.6
145°	2329.9	2407.5	2329.9	2252.3	2232.9	2100.2	1923.3	1834.9	1773.7	1651.2	1559.3
147.5°	2228.4	2292.7	2228.4	2164.1	2148.0	2043.6	1904.5	1834.9	1785.9	1687.8	1614.2
150°	2164.6	2216.7	2164.6	2112.4	2099.4	2011.2	1893.7	1834.9	1792.2	1706.8	1642.8
152.5°	2109.9	2149.3	2109.9	2070.5	2060.7	1985.4	1885.1	1834.9	1796.4	1719.4	1661.6
155°	2047.2	2073.2	2047.2	2021.1	2014.6	1954.7	1874.8	1834.9	1805.5	1746.8	1702.7
157.5°	1997.5	2015.8	1997.5	1979.3	1974.7	1928.1	1866.0	1834.9	1814.7	1774.2	1743.9
160°	1967.9	1978.4	1967.9	1957.3	1954.7	1914.8	1861.5	1834.9	1818.8	1786.7	1762.6
162.5°	1948.4	1958.4	1948.4	1938.5	1936.0	1902.3	1857.4	1834.9	1823.3	1800.0	1782.6
165°	1920.5	1931.0	1920.5	1909.9	1907.3	1883.2	1851.0	1834.9	1829.6	1819.1	1811.2
167.5°	1900.4	1904.8	1900.4	1895.9	1894.8	1879.0	1857.9	1847.4	1843.0	1834.1	1827.5
170°	1894.8	1894.8	1894.8	1894.8	1894.8	1879.0	1857.9	1847.4	1847.1	1846.6	1846.2
172.5°	1880.0	1876.1	1880.0	1883.8	1884.8	1872.3	1855.7	1847.4	1847.4	1847.4	1847.4
175°	1871.1	1871.1	1871.1	1871.1	1871.1	1863.2	1852.7	1847.4	1849.9	1854.9	1858.6
177.5°	1863.0	1858.6	1863.0	1867.5	1868.6	1862.4	1854.1	1849.9	1851.8	1855.7	1858.6
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2143.9	2131.9	2131.9	2111.9	2103.9	2097.9	2087.9	2057.9	2049.9	2041.9	2053.9
5°	2161.9	2139.9	2123.9	2087.9	2057.9	2045.9	2007.9	1935.9	1887.9	1851.9	1831.9
7.5°	2165.9	2137.9	2107.9	2051.9	1979.9	1947.9	1831.9	1699.9	1663.9	1631.9	1611.9
10°	2161.9	2129.9	2087.9	2003.9	1833.9	1777.9	1661.9	1575.9	1553.9	1547.9	1553.9
12.5°	2147.9	2117.9	2059.9	1919.9	1681.9	1643.9	1575.9	1525.9	1521.9	1531.9	1585.9
15°	2123.9	2095.9	2027.9	1807.9	1597.9	1569.9	1521.9	1503.9	1525.9	1595.9	1757.9
17.5°	2099.9	2067.9	1983.9	1697.9	1533.9	1513.9	1479.9	1515.9	1639.9	1733.9	1787.9
20°	2067.9	2029.9	1933.9	1617.9	1487.9	1469.9	1453.9	1615.9	1709.9	1743.9	1773.9
22.5°	2029.9	1989.9	1865.9	1561.9	1439.9	1425.9	1435.9	1671.9	1709.9	1733.9	1759.9
25°	1979.9	1945.9	1785.9	1517.9	1401.9	1385.9	1423.9	1665.9	1687.9	1693.9	1745.9
27.5°	1933.9	1889.9	1701.9	1477.9	1355.9	1349.9	1433.9	1639.9	1655.9	1661.9	1717.9
30°	1877.9	1811.9	1607.9	1435.9	1307.9	1305.9	1435.9	1607.9	1603.9	1619.9	1675.9
32.5°	1819.9	1695.9	1501.9	1383.9	1261.9	1259.9	1421.9	1559.9	1555.9	1577.9	1619.9
35°	1765.9	1605.9	1357.9	1323.9	1203.9	1205.9	1387.9	1503.9	1505.9	1525.9	1551.9
37.5°	1709.9	1527.9	1199.9	1257.9	1148.0	1148.0	1341.9	1451.9	1447.9	1453.9	1489.9
40°	1643.9	1405.9	1060.0	1172.0	1096.0	1090.0	1285.9	1395.9	1381.9	1379.9	1429.9
42.5°	1573.9	1271.9	956.0	1058.0	1036.0	1028.0	1217.9	1327.9	1301.9	1307.9	1371.9
45°	1497.9	1235.9	876.0	894.0	974.0	968.0	1144.0	1249.9	1231.9	1247.9	1313.9
47.5°	1421.9	1164.0	850.0	742.0	908.0	906.0	1062.0	1174.0	1164.0	1180.0	1249.9
50°	1317.9	1084.0	848.0	636.0	834.0	842.0	964.0	1100.0	1100.0	1114.0	1188.0
52.5°	1184.0	986.0	770.0	576.0	748.0	772.0	878.0	1036.0	1040.0	1054.0	1120.0
55°	1062.0	884.0	714.0	530.0	646.0	698.0	794.0	970.0	978.0	992.0	1052.0
57.5°	950.0	736.0	702.0	476.0	552.0	602.0	720.0	906.0	910.0	922.0	980.0
60°	830.0	532.0	644.0	418.0	470.0	508.0	652.0	830.0	844.0	852.0	902.0
62.5°	694.0	386.0	584.0	378.0	430.0	438.0	596.0	758.0	776.0	782.0	812.0
65°	494.0	324.0	496.0	344.0	388.0	390.0	536.0	684.0	700.0	710.0	732.0
67.5°	334.0	264.0	378.0	312.0	356.0	358.0	478.0	598.0	620.0	628.0	642.0
70°	232.0	176.0	280.0	278.0	320.0	324.0	416.0	520.0	540.0	546.0	554.0
72.5°	170.0	142.0	232.0	250.0	282.0	286.0	352.0	432.0	452.0	458.0	462.0
75°	130.0	150.0	188.0	218.0	240.0	242.0	288.0	352.0	366.0	370.0	372.0
77.5°	104.0	140.0	138.0	176.0	196.0	192.0	226.0	272.0	284.0	284.0	284.0
80°	78.0	110.0	104.0	126.0	144.0	140.0	162.0	194.0	198.0	202.0	200.0
82.5°	58.0	70.0	70.0	80.0	96.0	92.0	108.0	126.0	126.0	126.0	130.0
85°	36.0	40.0	32.0	42.0	54.0	52.0	60.0	68.0	70.0	70.0	66.0
87.5°	22.0	18.0	10.0	16.0	24.0	24.0	28.0	30.0	28.0	28.0	28.0
90°	32.4	22.5	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2
92.5°	219.6	134.7	49.9	134.7	219.6	240.8	338.5	468.8	533.9	467.9	336.0
95°	430.2	275.0	119.8	275.0	430.2	469.0	832.8	1317.9	1560.5	1392.5	1056.6
97.5°	481.0	344.0	207.1	344.0	481.0	515.2	1121.9	1930.8	2335.2	2229.0	2016.7
100°	522.8	398.6	274.4	398.6	522.8	553.9	1227.1	2124.6	2573.4	2581.2	2596.7
102.5°	563.5	447.7	331.8	447.7	563.5	592.5	1275.3	2185.6	2640.8	2776.1	3046.6
105°	625.4	527.2	429.1	527.2	625.4	649.9	1311.0	2192.5	2633.3	2936.6	3543.1
107.5°	711.8	620.4	528.9	620.4	711.8	734.7	1317.7	2095.0	2483.6	2906.6	3752.7
110°	761.5	678.9	596.3	678.9	761.5	782.1	1307.7	2008.5	2358.9	2831.8	3777.6



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CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	819.8	741.1	662.4	741.1	819.8	839.5	1308.1	1932.9	2245.3	2729.3	3697.3
115°	907.4	834.8	762.2	834.8	907.4	925.6	1320.2	1846.3	2109.4	2575.6	3508.1
117.5°	992.7	926.7	860.7	926.7	992.7	1009.2	1344.7	1792.1	2015.8	2436.6	3278.2
120°	1042.3	980.2	918.1	980.2	1042.3	1057.8	1364.7	1773.8	1978.4	2362.9	3131.9
122.5°	1099.5	1036.9	974.2	1036.9	1099.5	1115.2	1393.4	1764.3	1949.7	2295.9	2988.4
125°	1174.5	1117.4	1060.3	1117.4	1174.5	1188.8	1432.0	1756.3	1918.5	2212.6	2800.8
127.5°	1245.5	1187.8	1130.2	1187.8	1245.5	1259.9	1470.7	1751.8	1892.3	2144.8	2649.9
130°	1291.8	1229.7	1167.6	1229.7	1291.8	1307.3	1499.0	1754.5	1882.3	2107.1	2556.8
132.5°	1330.5	1268.4	1206.3	1268.4	1330.5	1346.0	1521.9	1756.4	1873.6	2074.8	2477.3
135°	1376.8	1320.2	1263.6	1320.2	1376.8	1390.9	1546.8	1754.7	1858.6	2027.2	2364.3
137.5°	1434.2	1378.3	1322.3	1378.3	1434.2	1448.2	1584.2	1765.5	1856.2	1998.7	2283.6
140°	1474.0	1422.5	1370.9	1422.5	1474.0	1486.9	1607.1	1767.3	1847.4	1970.5	2216.7
142.5°	1503.7	1456.0	1408.3	1456.0	1503.7	1515.6	1626.2	1773.7	1847.4	1955.5	2171.7
145°	1548.9	1507.3	1465.7	1507.3	1548.9	1559.3	1651.2	1773.7	1834.9	1923.3	2100.2
147.5°	1604.1	1563.6	1523.1	1563.6	1604.1	1614.2	1687.8	1785.9	1834.9	1904.5	2043.6
150°	1633.7	1597.1	1560.5	1597.1	1633.7	1642.8	1706.8	1792.2	1834.9	1893.7	2011.2
152.5°	1654.7	1626.9	1599.2	1626.9	1654.7	1661.6	1719.4	1796.4	1834.9	1885.1	1985.4
155°	1697.6	1677.1	1656.6	1677.1	1697.6	1702.7	1746.8	1805.5	1834.9	1874.8	1954.7
157.5°	1738.9	1719.0	1699.0	1719.0	1738.9	1743.9	1774.2	1814.7	1834.9	1866.0	1928.1
160°	1758.7	1743.2	1727.7	1743.2	1758.7	1762.6	1786.7	1818.8	1834.9	1861.5	1914.8
162.5°	1779.7	1768.0	1756.4	1768.0	1779.7	1782.6	1800.0	1823.3	1834.9	1857.4	1902.3
165°	1808.6	1798.0	1787.5	1798.0	1808.6	1811.2	1819.1	1829.6	1834.9	1851.0	1883.2
167.5°	1826.2	1821.2	1816.2	1821.2	1826.2	1827.5	1834.1	1843.0	1847.4	1857.9	1879.0
170°	1844.9	1839.9	1834.9	1839.9	1844.9	1846.2	1846.6	1847.1	1847.4	1857.9	1879.0
172.5°	1847.1	1846.0	1844.9	1846.0	1847.1	1847.4	1847.4	1847.4	1847.4	1855.7	1872.3
175°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1854.9	1849.9	1847.4	1852.7	1863.2
177.5°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1855.7	1851.8	1849.9	1854.1	1862.4
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



TEST NUMBER: P935916
 CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2039.9	2033.9	2041.9	2019.9	2041.9	2033.9	2039.9	2053.9	2041.9	2049.9	2057.9
5°	1789.9	1779.9	1747.9	1721.9	1747.9	1779.9	1789.9	1831.9	1851.9	1887.9	1935.9
7.5°	1599.9	1591.9	1583.9	1567.9	1583.9	1591.9	1599.9	1611.9	1631.9	1663.9	1699.9
10°	1557.9	1559.9	1571.9	1569.9	1571.9	1559.9	1557.9	1553.9	1547.9	1553.9	1575.9
12.5°	1665.9	1683.9	1749.9	1745.9	1749.9	1683.9	1665.9	1585.9	1531.9	1521.9	1525.9
15°	1789.9	1795.9	1809.9	1811.9	1809.9	1795.9	1789.9	1757.9	1595.9	1525.9	1503.9
17.5°	1801.9	1803.9	1813.9	1813.9	1813.9	1803.9	1801.9	1787.9	1733.9	1639.9	1515.9
20°	1791.9	1795.9	1815.9	1819.9	1815.9	1795.9	1791.9	1773.9	1743.9	1709.9	1615.9
22.5°	1787.9	1795.9	1811.9	1809.9	1811.9	1795.9	1787.9	1759.9	1733.9	1709.9	1671.9
25°	1767.9	1767.9	1769.9	1771.9	1769.9	1767.9	1767.9	1745.9	1693.9	1687.9	1665.9
27.5°	1725.9	1729.9	1741.9	1739.9	1741.9	1729.9	1725.9	1717.9	1661.9	1655.9	1639.9
30°	1687.9	1683.9	1673.9	1665.9	1673.9	1683.9	1687.9	1675.9	1619.9	1603.9	1607.9
32.5°	1623.9	1613.9	1603.9	1597.9	1603.9	1613.9	1623.9	1619.9	1577.9	1555.9	1559.9
35°	1547.9	1549.9	1547.9	1541.9	1547.9	1549.9	1547.9	1551.9	1525.9	1505.9	1503.9
37.5°	1493.9	1497.9	1495.9	1487.9	1495.9	1497.9	1493.9	1489.9	1453.9	1447.9	1451.9
40°	1437.9	1439.9	1437.9	1431.9	1437.9	1439.9	1437.9	1429.9	1379.9	1381.9	1395.9
42.5°	1383.9	1381.9	1375.9	1371.9	1375.9	1381.9	1383.9	1371.9	1307.9	1301.9	1327.9
45°	1321.9	1323.9	1311.9	1305.9	1311.9	1323.9	1321.9	1313.9	1247.9	1231.9	1249.9
47.5°	1259.9	1259.9	1249.9	1243.9	1249.9	1259.9	1259.9	1249.9	1180.0	1164.0	1174.0
50°	1193.9	1192.0	1178.0	1176.0	1178.0	1192.0	1193.9	1188.0	1114.0	1100.0	1100.0
52.5°	1118.0	1118.0	1120.0	1124.0	1120.0	1118.0	1118.0	1120.0	1054.0	1040.0	1036.0
55°	1052.0	1054.0	1068.0	1072.0	1068.0	1054.0	1052.0	1052.0	992.0	978.0	970.0
57.5°	984.0	984.0	994.0	994.0	994.0	984.0	984.0	980.0	922.0	910.0	906.0
60°	906.0	910.0	918.0	916.0	918.0	910.0	906.0	902.0	852.0	844.0	830.0
62.5°	824.0	828.0	830.0	826.0	830.0	828.0	824.0	812.0	782.0	776.0	758.0
65°	738.0	742.0	744.0	740.0	744.0	742.0	738.0	732.0	710.0	700.0	684.0
67.5°	650.0	648.0	646.0	654.0	646.0	648.0	650.0	642.0	628.0	620.0	598.0
70°	560.0	560.0	558.0	562.0	558.0	560.0	560.0	554.0	546.0	540.0	520.0
72.5°	464.0	462.0	470.0	464.0	470.0	462.0	464.0	462.0	458.0	452.0	432.0
75°	370.0	374.0	370.0	376.0	370.0	374.0	370.0	372.0	370.0	366.0	352.0
77.5°	282.0	286.0	282.0	282.0	282.0	286.0	282.0	284.0	284.0	284.0	272.0
80°	200.0	198.0	198.0	196.0	198.0	198.0	200.0	200.0	202.0	198.0	194.0
82.5°	128.0	126.0	126.0	130.0	126.0	126.0	128.0	130.0	126.0	126.0	126.0
85°	70.0	72.0	68.0	68.0	68.0	72.0	70.0	66.0	70.0	70.0	68.0
87.5°	26.0	24.0	24.0	24.0	24.0	24.0	26.0	28.0	28.0	28.0	30.0
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5
92.5°	237.0	227.6	189.9	152.2	189.9	227.6	237.0	336.0	467.9	533.9	468.8
95°	804.6	776.0	661.8	547.6	661.8	776.0	804.6	1056.6	1392.5	1560.5	1317.9
97.5°	1857.4	1803.1	1585.7	1368.4	1585.7	1803.1	1857.4	2016.7	2229.0	2335.2	1930.8
100°	2608.3	2543.6	2284.7	2025.8	2284.7	2543.6	2608.3	2596.7	2581.2	2573.4	2124.6
102.5°	3249.5	3194.1	2972.3	2750.6	2972.3	3194.1	3249.5	3046.6	2776.1	2640.8	2185.6
105°	3998.0	3968.2	3849.0	3729.8	3849.0	3968.2	3998.0	3543.1	2936.6	2633.3	2192.5
107.5°	4387.2	4394.4	4423.2	4452.0	4423.2	4394.4	4387.2	3752.7	2906.6	2483.6	2095.0
110°	4487.0	4518.0	4642.2	4766.4	4642.2	4518.0	4487.0	3777.6	2831.8	2358.9	2008.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4423.3	4471.0	4661.7	4852.4	4661.7	4471.0	4423.3	3697.3	2729.3	2245.3	1932.9
115°	4207.5	4273.6	4538.1	4802.5	4538.1	4273.6	4207.5	3508.1	2575.6	2109.4	1846.3
117.5°	3909.4	3982.7	4276.0	4569.3	4276.0	3982.7	3909.4	3278.2	2436.6	2015.8	1792.1
120°	3708.6	3779.8	4064.8	4349.7	4064.8	3779.8	3708.6	3131.9	2362.9	1978.4	1773.8
122.5°	3507.7	3578.0	3859.1	4140.2	3859.1	3578.0	3507.7	2988.4	2295.9	1949.7	1764.3
125°	3242.0	3306.7	3565.7	3824.6	3565.7	3306.7	3242.0	2800.8	2212.6	1918.5	1756.3
127.5°	3028.7	3083.3	3301.8	3520.2	3301.8	3083.3	3028.7	2649.9	2144.8	1892.3	1751.8
130°	2894.0	2944.5	3146.3	3348.1	3146.3	2944.5	2894.0	2556.8	2107.1	1882.3	1754.5
132.5°	2779.2	2824.4	3005.1	3185.9	3005.1	2824.4	2779.2	2477.3	2074.8	1873.6	1756.4
135°	2617.1	2656.0	2811.8	2967.6	2811.8	2656.0	2617.1	2364.3	2027.2	1858.6	1754.7
137.5°	2497.3	2529.2	2656.7	2784.2	2656.7	2529.2	2497.3	2283.6	1998.7	1856.2	1765.5
140°	2401.3	2431.1	2550.3	2669.5	2550.3	2431.1	2401.3	2216.7	1970.5	1847.4	1767.3
142.5°	2333.9	2359.5	2462.1	2564.7	2462.1	2359.5	2333.9	2171.7	1955.5	1847.4	1773.7
145°	2232.9	2252.3	2329.9	2407.5	2329.9	2252.3	2232.9	2100.2	1923.3	1834.9	1773.7
147.5°	2148.0	2164.1	2228.4	2292.7	2228.4	2164.1	2148.0	2043.6	1904.5	1834.9	1785.9
150°	2099.4	2112.4	2164.6	2216.7	2164.6	2112.4	2099.4	2011.2	1893.7	1834.9	1792.2
152.5°	2060.7	2070.5	2109.9	2149.3	2109.9	2070.5	2060.7	1985.4	1885.1	1834.9	1796.4
155°	2014.6	2021.1	2047.2	2073.2	2047.2	2021.1	2014.6	1954.7	1874.8	1834.9	1805.5
157.5°	1974.7	1979.3	1997.5	2015.8	1997.5	1979.3	1974.7	1928.1	1866.0	1834.9	1814.7
160°	1954.7	1957.3	1967.9	1978.4	1967.9	1957.3	1954.7	1914.8	1861.5	1834.9	1818.8
162.5°	1936.0	1938.5	1948.4	1958.4	1948.4	1938.5	1936.0	1902.3	1857.4	1834.9	1823.3
165°	1907.3	1909.9	1920.5	1931.0	1920.5	1909.9	1907.3	1883.2	1851.0	1834.9	1829.6
167.5°	1894.8	1895.9	1900.4	1904.8	1900.4	1895.9	1894.8	1879.0	1857.9	1847.4	1843.0
170°	1894.8	1894.8	1894.8	1894.8	1894.8	1894.8	1894.8	1879.0	1857.9	1847.4	1847.1
172.5°	1884.8	1883.8	1880.0	1876.1	1880.0	1883.8	1884.8	1872.3	1855.7	1847.4	1847.4
175°	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1863.2	1852.7	1847.4	1849.9
177.5°	1868.6	1867.5	1863.0	1858.6	1863.0	1867.5	1868.6	1862.4	1854.1	1849.9	1851.8
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2113.9	2113.9	2113.9	2113.9	2113.9
2.5°	2087.9	2097.9	2103.9	2111.9	2131.9
5°	2007.9	2045.9	2057.9	2087.9	2123.9
7.5°	1831.9	1947.9	1979.9	2051.9	2107.9
10°	1661.9	1777.9	1833.9	2003.9	2087.9
12.5°	1575.9	1643.9	1681.9	1919.9	2059.9
15°	1521.9	1569.9	1597.9	1807.9	2027.9
17.5°	1479.9	1513.9	1533.9	1697.9	1983.9
20°	1453.9	1469.9	1487.9	1617.9	1933.9
22.5°	1435.9	1425.9	1439.9	1561.9	1865.9
25°	1423.9	1385.9	1401.9	1517.9	1785.9
27.5°	1433.9	1349.9	1355.9	1477.9	1701.9
30°	1435.9	1305.9	1307.9	1435.9	1607.9
32.5°	1421.9	1259.9	1261.9	1383.9	1501.9
35°	1387.9	1205.9	1203.9	1323.9	1357.9
37.5°	1341.9	1148.0	1148.0	1257.9	1199.9
40°	1285.9	1090.0	1096.0	1172.0	1060.0
42.5°	1217.9	1028.0	1036.0	1058.0	956.0
45°	1144.0	968.0	974.0	894.0	876.0
47.5°	1062.0	906.0	908.0	742.0	850.0
50°	964.0	842.0	834.0	636.0	848.0
52.5°	878.0	772.0	748.0	576.0	770.0
55°	794.0	698.0	646.0	530.0	714.0
57.5°	720.0	602.0	552.0	476.0	702.0
60°	652.0	508.0	470.0	418.0	644.0
62.5°	596.0	438.0	430.0	378.0	584.0
65°	536.0	390.0	388.0	344.0	496.0
67.5°	478.0	358.0	356.0	312.0	378.0
70°	416.0	324.0	320.0	278.0	280.0
72.5°	352.0	286.0	282.0	250.0	232.0
75°	288.0	242.0	240.0	218.0	188.0
77.5°	226.0	192.0	196.0	176.0	138.0
80°	162.0	140.0	144.0	126.0	104.0
82.5°	108.0	92.0	96.0	80.0	70.0
85°	60.0	52.0	54.0	42.0	32.0
87.5°	28.0	24.0	24.0	16.0	10.0
90°	54.9	34.9	32.4	22.5	12.5
92.5°	338.5	240.8	219.6	134.7	49.9
95°	832.8	469.0	430.2	275.0	119.8
97.5°	1121.9	515.2	481.0	344.0	207.1
100°	1227.1	553.9	522.8	398.6	274.4
102.5°	1275.3	592.5	563.5	447.7	331.8
105°	1311.0	649.9	625.4	527.2	429.1
107.5°	1317.7	734.7	711.8	620.4	528.9
110°	1307.7	782.1	761.5	678.9	596.3



TEST NUMBER: P935916

CATALOG NUMBER: SQ4-FA-150U-075D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1308.1	839.5	819.8	741.1	662.4
115°	1320.2	925.6	907.4	834.8	762.2
117.5°	1344.7	1009.2	992.7	926.7	860.7
120°	1364.7	1057.8	1042.3	980.2	918.1
122.5°	1393.4	1115.2	1099.5	1036.9	974.2
125°	1432.0	1188.8	1174.5	1117.4	1060.3
127.5°	1470.7	1259.9	1245.5	1187.8	1130.2
130°	1499.0	1307.3	1291.8	1229.7	1167.6
132.5°	1521.9	1346.0	1330.5	1268.4	1206.3
135°	1546.8	1390.9	1376.8	1320.2	1263.6
137.5°	1584.2	1448.2	1434.2	1378.3	1322.3
140°	1607.1	1486.9	1474.0	1422.5	1370.9
142.5°	1626.2	1515.6	1503.7	1456.0	1408.3
145°	1651.2	1559.3	1548.9	1507.3	1465.7
147.5°	1687.8	1614.2	1604.1	1563.6	1523.1
150°	1706.8	1642.8	1633.7	1597.1	1560.5
152.5°	1719.4	1661.6	1654.7	1626.9	1599.2
155°	1746.8	1702.7	1697.6	1677.1	1656.6
157.5°	1774.2	1743.9	1738.9	1719.0	1699.0
160°	1786.7	1762.6	1758.7	1743.2	1727.7
162.5°	1800.0	1782.6	1779.7	1768.0	1756.4
165°	1819.1	1811.2	1808.6	1798.0	1787.5
167.5°	1834.1	1827.5	1826.2	1821.2	1816.2
170°	1846.6	1846.2	1844.9	1839.9	1834.9
172.5°	1847.4	1847.4	1847.1	1846.0	1844.9
175°	1854.9	1858.6	1858.6	1858.6	1858.6
177.5°	1855.7	1858.6	1858.6	1858.6	1858.6
180°	1858.6	1858.6	1858.6	1858.6	1858.6



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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	10.70	11.42	11.80	12.51	14.03	13.54	14.25	14.64	15.35	16.87
	3H	11.17	11.81	12.28	12.91	14.45	14.87	15.51	15.99	16.62	18.15
	4H	11.35	11.96	12.47	13.07	14.60	15.31	15.92	16.43	17.03	18.57
	6H	11.46	12.02	12.59	13.13	14.68	15.59	16.15	16.72	17.26	18.81
	8H	11.46	11.99	12.59	13.12	14.66	15.66	16.20	16.80	17.32	18.87
	12H	11.42	11.93	12.56	13.05	14.62	15.70	16.20	16.84	17.32	18.89
4H	2H	11.72	12.32	12.85	13.43	14.97	13.93	14.54	15.06	15.64	17.18
	3H	12.73	13.24	13.86	14.37	15.92	15.42	15.93	16.56	17.06	18.61
	4H	13.00	13.46	14.14	14.59	16.16	15.95	16.41	17.08	17.54	19.11
	6H	13.12	13.51	14.26	14.66	16.22	16.30	16.70	17.45	17.85	19.41
	8H	13.12	13.49	14.26	14.63	16.21	16.41	16.78	17.55	17.92	19.50
	12H	13.08	13.42	14.24	14.57	16.15	16.46	16.80	17.62	17.95	19.53
8H	4H	13.44	13.81	14.59	14.95	16.53	16.06	16.43	17.20	17.57	19.15
	6H	13.70	14.00	14.86	15.19	16.76	16.49	16.80	17.66	17.98	19.55
	8H	13.74	14.01	14.91	15.17	16.76	16.64	16.91	17.81	18.07	19.67
	12H	13.72	13.95	14.89	15.11	16.74	16.74	16.97	17.91	18.13	19.76
12H	4H	13.44	13.78	14.60	14.93	16.51	16.02	16.35	17.18	17.50	19.09
	6H	13.76	14.03	14.93	15.19	16.78	16.49	16.75	17.66	17.91	19.51
	8H	13.82	14.05	14.99	15.21	16.84	16.64	16.88	17.82	18.03	19.66