

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: P935809

Luminaire Tested: SQ4-FA-150U-050D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935809
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

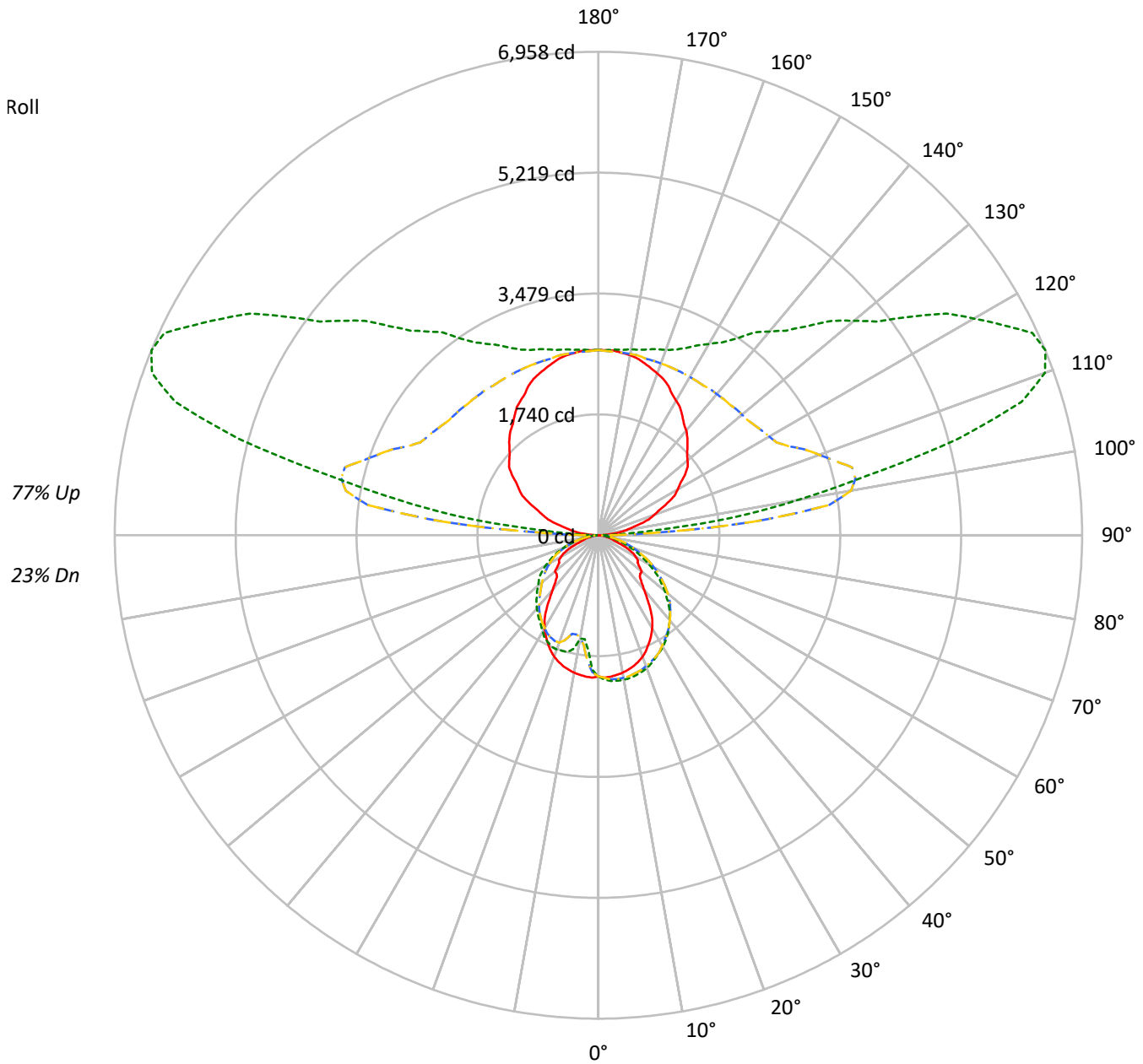
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22559.7 lumens
Efficiency: N/A
Efficacy: 135.2 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): 166.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - . - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6288	6288	6288	6288
5°	6338	6348	6338	4991
10°	6298	6253	6298	4470
15°	6231	6117	6231	5108
20°	6104	5957	6104	5119
25°	5839	5723	5839	5010
30°	5497	5529	5497	4773
35°	4903	5283	4903	4510
40°	4087	4993	4087	4313
45°	3654	4655	3654	4085
50°	3886	4250	3886	3857
55°	3660	3816	3660	3725
60°	3777	3241	3777	3412
65°	3430	2679	3430	2994
70°	2381	2135	2381	2510
75°	2096	1578	2096	1890
80°	1701	1043	1701	1136
85°	998	553	998	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 6644 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	0.8
10°-20°	521.1	2.3
20°-30°	805.5	3.6
30°-40°	961.6	4.3
40°-50°	967.2	4.3
50°-60°	841.6	3.7
60°-70°	596.7	2.6
70°-80°	315.7	1.4
80°-90°	88.8	0.4
90°-100°	1299.2	5.8
100°-110°	3415.7	15.1
110°-120°	3541.7	15.7
120°-130°	2840.9	12.6
130°-140°	2229.1	9.9
140°-150°	1710.9	7.6
150°-160°	1232.1	5.5
160°-170°	753.9	3.3
170°-180°	254.7	1.1
0°-30°	1510.0	6.7
0°-40°	2471.6	11.0
0°-60°	4280.4	19.0
0°-90°	5281.6	23.4
90°-120°	8256.6	36.6
90°-150°	15037.4	66.7
90°-180°	17278.0	76.6
0°-180°	22559.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2106	2043	1656	2043	194
15°	1950	2087	1950	1743	1950	549
25°	1718	1946	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	842	1431	842	1256	842	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°	18	68	18	68	18	16
95°	172	785	172	785	172	191
105°	615	5348	615	5348	615	652
115°	1093	6887	1093	6887	1093	1080
125°	1520	5484	1520	5484	1520	1350
135°	1812	4256	1812	4256	1812	1402
145°	2102	3452	2102	3452	2102	1317
155°	2376	2973	2376	2973	2376	1092
165°	2563	2769	2563	2769	2563	723
175°	2665	2683	2665	2683	2665	253
180°	2665	2665	2665	2665	2665	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2050.3	2050.3	2061.9	2065.7	2065.7	2060.0	2054.3	2060.0	2077.3	2083.0	2081.1
5°	2042.7	2058.1	2079.2	2083.0	2086.9	2085.0	2081.1	2085.0	2104.3	2108.1	2110.0
7.5°	2027.3	2056.2	2083.0	2088.9	2094.6	2088.9	2086.9	2090.8	2110.0	2113.8	2113.8
10°	2008.1	2048.4	2079.2	2083.0	2088.9	2083.0	2083.0	2090.8	2110.0	2113.8	2115.8
12.5°	1981.1	2036.9	2065.7	2069.6	2077.3	2075.4	2073.5	2081.1	2100.4	2104.3	2104.3
15°	1950.3	2015.7	2042.7	2046.5	2060.0	2056.2	2056.2	2063.8	2085.0	2090.8	2088.9
17.5°	1908.1	1988.9	2019.6	2025.4	2035.0	2033.0	2035.0	2042.7	2061.9	2065.7	2067.7
20°	1860.0	1952.2	1988.9	1994.6	2004.3	2004.3	2004.3	2013.8	2033.0	2040.8	2040.8
22.5°	1794.6	1913.8	1952.2	1956.2	1967.6	1967.6	1971.6	1984.9	2002.2	2004.3	2004.3
25°	1717.6	1871.5	1904.2	1915.7	1927.3	1933.0	1938.9	1946.5	1952.2	1950.3	1952.2
27.5°	1636.9	1817.6	1860.0	1867.6	1883.0	1888.8	1896.5	1898.4	1900.3	1906.1	1902.2
30°	1546.4	1742.6	1806.1	1813.8	1838.8	1842.7	1834.9	1838.8	1848.4	1852.2	1856.1
32.5°	1444.5	1631.0	1750.3	1767.6	1790.7	1779.2	1777.2	1783.0	1798.4	1798.4	1802.3
35°	1306.0	1544.5	1698.4	1713.8	1731.1	1717.6	1725.3	1727.2	1736.9	1742.6	1740.7
37.5°	1154.1	1469.5	1644.5	1656.1	1669.6	1652.3	1663.7	1669.6	1677.2	1673.4	1673.4
40°	1019.4	1352.2	1581.0	1588.8	1600.2	1586.9	1598.3	1602.3	1606.1	1602.3	1600.2
42.5°	919.4	1223.3	1513.7	1523.4	1515.6	1525.3	1529.1	1536.9	1531.0	1523.4	1523.4
45°	842.4	1188.7	1440.7	1452.2	1440.7	1456.1	1461.8	1461.8	1444.5	1440.7	1438.7
47.5°	817.5	1119.5	1367.6	1367.6	1361.8	1381.0	1390.6	1377.2	1359.9	1354.1	1354.1
50°	815.6	1042.5	1267.6	1259.8	1286.8	1309.8	1300.3	1286.8	1273.3	1252.2	1252.2
52.5°	740.5	948.3	1138.7	1167.6	1209.8	1223.3	1207.9	1194.4	1171.4	1161.7	1154.1
55°	686.7	850.2	1021.3	1079.0	1123.3	1140.6	1111.7	1098.3	1063.6	1057.9	1054.1
57.5°	675.1	707.8	913.6	986.7	1040.6	1038.7	1021.3	996.3	967.5	961.7	959.8
60°	619.4	511.7	798.3	884.8	940.5	934.8	919.4	896.3	869.4	865.6	861.7
62.5°	561.6	371.2	667.4	765.6	844.3	842.4	829.0	794.3	775.1	765.6	757.8
65°	477.0	311.6	475.1	636.7	750.2	754.0	725.1	700.2	679.0	667.4	665.5
67.5°	363.6	253.9	321.2	530.9	659.7	655.9	619.4	607.8	580.9	575.1	563.6
70°	269.3	169.3	223.1	430.9	571.3	561.6	532.8	519.3	494.3	480.9	473.1
72.5°	223.1	136.5	163.5	334.7	480.9	469.3	444.3	429.0	407.7	396.3	388.5
75°	180.8	144.3	125.0	248.1	390.4	382.8	359.6	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.6	298.2	284.7	265.5	257.7	242.3	242.3
80°	100.0	105.8	75.0	125.0	223.1	223.1	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.5	134.6	127.0	123.1	123.1
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°	17.9	32.2	46.6	50.1	78.7	116.8	135.9	120.8	90.6	68.0	68.0
92.5°	71.5	193.1	314.8	345.2	485.4	672.2	765.6	670.9	481.7	339.9	326.4
95°	171.7	394.3	616.9	672.5	1194.3	1890.0	2237.8	1996.9	1515.2	1153.8	1112.9
97.5°	296.9	493.3	689.7	738.8	1608.8	2768.7	3348.6	3196.4	2891.9	2663.5	2585.6
100°	393.5	571.6	749.7	794.2	1759.6	3046.7	3690.3	3701.3	3723.6	3740.4	3647.5
102.5°	475.8	642.0	808.1	849.7	1828.7	3134.2	3786.9	3980.9	4368.8	4659.8	4580.3
105°	615.4	756.1	896.8	932.0	1880.1	3144.1	3776.1	4211.0	5080.8	5733.0	5690.3
107.5°	758.5	889.7	1020.8	1053.6	1889.5	3004.1	3561.5	4168.1	5381.2	6291.1	6301.5
110°	855.0	973.5	1091.9	1121.6	1875.3	2880.1	3382.6	4060.8	5417.1	6434.3	6478.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	949.9	1062.8	1175.7	1203.9	1875.9	2771.8	3219.8	3913.9	5302.0	6343.1	6411.4
115°	1093.0	1197.1	1301.3	1327.3	1893.2	2647.6	3024.9	3693.5	5030.7	6033.6	6128.4
117.5°	1234.3	1328.8	1423.5	1447.1	1928.3	2569.8	2890.7	3494.1	4700.9	5606.1	5711.2
120°	1316.5	1405.6	1494.6	1516.9	1956.9	2543.6	2837.0	3388.4	4491.0	5318.0	5420.2
122.5°	1397.0	1486.9	1576.7	1599.2	1998.1	2530.0	2795.9	3292.4	4285.4	5030.1	5130.9
125°	1520.5	1602.4	1684.3	1704.7	2053.6	2518.7	2751.2	3173.0	4016.4	4649.0	4741.9
127.5°	1620.6	1703.3	1786.0	1806.6	2108.9	2512.1	2713.6	3075.7	3800.0	4343.2	4421.5
130°	1674.3	1763.3	1852.3	1874.6	2149.5	2516.0	2699.3	3021.6	3666.5	4150.0	4222.4
132.5°	1729.8	1818.8	1907.8	1930.1	2182.3	2518.6	2686.7	2975.4	3552.6	3985.5	4050.3
135°	1812.0	1893.1	1974.2	1994.5	2218.1	2516.3	2665.3	2907.0	3390.4	3752.9	3808.7
137.5°	1896.1	1976.4	2056.7	2076.8	2271.7	2531.7	2661.7	2866.0	3274.7	3581.2	3626.9
140°	1965.9	2039.8	2113.8	2132.3	2304.5	2534.3	2649.2	2825.6	3178.7	3443.4	3486.1
142.5°	2019.6	2087.9	2156.3	2173.4	2332.0	2543.4	2649.2	2804.2	3114.3	3346.9	3383.7
145°	2101.9	2161.5	2221.1	2236.0	2367.7	2543.4	2631.3	2758.1	3011.7	3201.9	3229.8
147.5°	2184.1	2242.1	2300.1	2314.7	2420.2	2560.9	2631.3	2731.1	2930.6	3080.3	3103.4
150°	2237.8	2290.3	2342.8	2355.9	2447.6	2570.1	2631.3	2715.6	2884.2	3010.5	3029.2
152.5°	2293.3	2333.0	2372.7	2382.6	2465.5	2576.0	2631.3	2703.3	2847.2	2955.1	2969.2
155°	2375.6	2405.0	2434.4	2441.7	2504.9	2589.1	2631.3	2688.6	2803.1	2888.9	2898.3
157.5°	2436.4	2465.0	2493.5	2500.7	2544.2	2602.2	2631.3	2675.8	2764.8	2831.7	2838.3
160°	2477.5	2499.7	2522.0	2527.6	2562.2	2608.3	2631.3	2669.4	2745.7	2803.0	2806.8
162.5°	2518.6	2535.3	2551.9	2556.2	2581.2	2614.6	2631.3	2663.5	2727.9	2776.2	2779.8
165°	2563.3	2578.4	2593.5	2597.4	2608.6	2623.7	2631.3	2654.3	2700.4	2735.0	2738.8
167.5°	2604.5	2611.7	2618.8	2620.6	2630.1	2642.9	2649.2	2664.3	2694.5	2717.1	2718.8
170°	2631.3	2638.5	2645.6	2647.5	2648.0	2648.8	2649.2	2664.3	2694.5	2717.1	2717.1
172.5°	2645.6	2647.2	2648.8	2649.2	2649.2	2649.2	2649.2	2661.1	2685.0	2702.9	2701.5
175°	2665.3	2665.3	2665.3	2665.3	2660.0	2652.8	2649.2	2656.7	2671.8	2683.2	2683.2
177.5°	2665.3	2665.3	2665.3	2665.3	2661.1	2655.6	2652.8	2658.7	2670.7	2679.6	2677.9
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2085.0	2079.2	2085.0	2081.1	2083.0	2077.3	2060.0	2054.3	2060.0	2065.7	2065.7
5°	2110.0	2106.2	2110.0	2110.0	2108.1	2104.3	2085.0	2081.1	2085.0	2086.9	2083.0
7.5°	2117.7	2111.9	2117.7	2113.8	2113.8	2110.0	2090.8	2086.9	2088.9	2094.6	2088.9
10°	2117.7	2111.9	2117.7	2115.8	2113.8	2110.0	2090.8	2083.0	2083.0	2088.9	2083.0
12.5°	2108.1	2104.3	2108.1	2104.3	2104.3	2100.4	2081.1	2073.5	2075.4	2077.3	2069.6
15°	2092.7	2086.9	2092.7	2088.9	2090.8	2085.0	2063.8	2056.2	2056.2	2060.0	2046.5
17.5°	2069.6	2061.9	2069.6	2067.7	2065.7	2061.9	2042.7	2035.0	2033.0	2035.0	2025.4
20°	2042.7	2036.9	2042.7	2040.8	2040.8	2033.0	2013.8	2004.3	2004.3	2004.3	1994.6
22.5°	2000.3	1994.6	2000.3	2004.3	2004.3	2002.2	1984.9	1971.6	1967.6	1967.6	1956.2
25°	1952.2	1946.5	1952.2	1952.2	1950.3	1952.2	1946.5	1938.9	1933.0	1927.3	1915.7
27.5°	1906.1	1902.2	1906.1	1902.2	1906.1	1900.3	1898.4	1896.5	1888.8	1883.0	1867.6
30°	1860.0	1856.1	1860.0	1856.1	1852.2	1848.4	1838.8	1834.9	1842.7	1838.8	1813.8
32.5°	1802.3	1798.4	1802.3	1802.3	1798.4	1798.4	1783.0	1777.2	1779.2	1790.7	1767.6
35°	1742.6	1736.9	1742.6	1740.7	1742.6	1736.9	1727.2	1725.3	1717.6	1731.1	1713.8
37.5°	1673.4	1667.6	1673.4	1673.4	1673.4	1677.2	1669.6	1663.7	1652.3	1669.6	1656.1
40°	1602.3	1594.5	1602.3	1600.2	1602.3	1606.1	1602.3	1598.3	1586.9	1600.2	1588.8
42.5°	1521.5	1519.5	1521.5	1523.4	1523.4	1531.0	1536.9	1529.1	1525.3	1515.6	1523.4
45°	1434.9	1431.0	1434.9	1438.7	1440.7	1444.5	1461.8	1461.8	1456.1	1440.7	1452.2
47.5°	1342.5	1333.0	1342.5	1354.1	1354.1	1359.9	1377.2	1390.6	1381.0	1361.8	1367.6
50°	1244.4	1246.3	1244.4	1252.2	1252.2	1273.3	1286.8	1300.3	1309.8	1286.8	1259.8
52.5°	1148.3	1146.3	1148.3	1154.1	1161.7	1171.4	1194.4	1207.9	1223.3	1209.8	1167.6
55°	1052.1	1056.0	1052.1	1054.1	1057.9	1063.6	1098.3	1111.7	1140.6	1123.3	1079.0
57.5°	955.9	950.2	955.9	959.8	961.7	967.5	996.3	1021.3	1038.7	1040.6	986.7
60°	844.3	836.7	844.3	861.7	865.6	869.4	896.3	919.4	934.8	940.5	884.8
62.5°	746.3	732.9	746.3	757.8	765.6	775.1	794.3	829.0	842.4	844.3	765.6
65°	642.4	636.7	642.4	665.5	667.4	679.0	700.2	725.1	754.0	750.2	636.7
67.5°	548.2	548.2	548.2	563.6	575.1	580.9	607.8	619.4	655.9	659.7	530.9
70°	461.7	459.7	461.7	473.1	480.9	494.3	519.3	532.8	561.6	571.3	430.9
72.5°	379.0	377.0	379.0	388.5	396.3	407.7	429.0	444.3	469.3	480.9	334.7
75°	305.8	302.0	305.8	313.5	311.6	327.0	344.3	359.6	382.8	390.4	248.1
77.5°	234.7	234.7	234.7	242.3	242.3	257.7	265.5	284.7	298.2	309.6	182.7
80°	175.0	173.1	175.0	177.0	177.0	184.6	198.1	211.6	223.1	223.1	125.0
82.5°	123.1	119.2	123.1	123.1	123.1	127.0	134.6	138.5	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°	68.0	68.0	68.0	68.0	68.0	90.6	120.8	135.9	116.8	78.7	50.1
92.5°	272.3	218.3	272.3	326.4	339.9	481.7	670.9	765.6	672.2	485.4	345.2
95°	949.0	785.3	949.0	1112.9	1153.8	1515.2	1996.9	2237.8	1890.0	1194.3	672.5
97.5°	2273.9	1962.3	2273.9	2585.6	2663.5	2891.9	3196.4	3348.6	2768.7	1608.8	738.8
100°	3276.3	2905.0	3276.3	3647.5	3740.4	3723.6	3701.3	3690.3	3046.7	1759.6	794.2
102.5°	4262.3	3944.3	4262.3	4580.3	4659.8	4368.8	3980.9	3786.9	3134.2	1828.7	849.7
105°	5519.5	5348.5	5519.5	5690.3	5733.0	5080.8	4211.0	3776.1	3144.1	1880.1	932.0
107.5°	6342.9	6384.2	6342.9	6301.5	6291.1	5381.2	4168.1	3561.5	3004.1	1889.5	1053.6
110°	6656.9	6835.0	6656.9	6478.8	6434.3	5417.1	4060.8	3382.6	2880.1	1875.3	1121.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6684.9	6958.4	6684.9	6411.4	6343.1	5302.0	3913.9	3219.8	2771.8	1875.9	1203.9
115°	6507.6	6886.8	6507.6	6128.4	6033.6	5030.7	3693.5	3024.9	2647.6	1893.2	1327.3
117.5°	6131.8	6552.3	6131.8	5711.2	5606.1	4700.9	3494.1	2890.7	2569.8	1928.3	1447.1
120°	5828.8	6237.5	5828.8	5420.2	5318.0	4491.0	3388.4	2837.0	2543.6	1956.9	1516.9
122.5°	5534.0	5937.0	5534.0	5130.9	5030.1	4285.4	3292.4	2795.9	2530.0	1998.1	1599.2
125°	5113.2	5484.5	5113.2	4741.9	4649.0	4016.4	3173.0	2751.2	2518.7	2053.6	1704.7
127.5°	4734.8	5048.0	4734.8	4421.5	4343.2	3800.0	3075.7	2713.6	2512.1	2108.9	1806.6
130°	4511.7	4801.1	4511.7	4222.4	4150.0	3666.5	3021.6	2699.3	2516.0	2149.5	1874.6
132.5°	4309.4	4568.5	4309.4	4050.3	3985.5	3552.6	2975.4	2686.7	2518.6	2182.3	1930.1
135°	4032.1	4255.5	4032.1	3808.7	3752.9	3390.4	2907.0	2665.3	2516.3	2218.1	1994.5
137.5°	3809.8	3992.5	3809.8	3626.9	3581.2	3274.7	2866.0	2661.7	2531.7	2271.7	2076.8
140°	3657.1	3828.0	3657.1	3486.1	3443.4	3178.7	2825.6	2649.2	2534.3	2304.5	2132.3
142.5°	3530.7	3677.7	3530.7	3383.7	3346.9	3114.3	2804.2	2649.2	2543.4	2332.0	2173.4
145°	3341.1	3452.4	3341.1	3229.8	3201.9	3011.7	2758.1	2631.3	2543.4	2367.7	2236.0
147.5°	3195.6	3287.8	3195.6	3103.4	3080.3	2930.6	2731.1	2631.3	2560.9	2420.2	2314.7
150°	3103.9	3178.7	3103.9	3029.2	3010.5	2884.2	2715.6	2631.3	2570.1	2447.6	2355.9
152.5°	3025.6	3082.0	3025.6	2969.2	2955.1	2847.2	2703.3	2631.3	2576.0	2465.5	2382.6
155°	2935.6	2973.0	2935.6	2898.3	2888.9	2803.1	2688.6	2631.3	2589.1	2504.9	2441.7
157.5°	2864.5	2890.7	2864.5	2838.3	2831.7	2764.8	2675.8	2631.3	2602.2	2544.2	2500.7
160°	2821.9	2837.0	2821.9	2806.8	2803.0	2745.7	2669.4	2631.3	2608.3	2562.2	2527.6
162.5°	2794.1	2808.4	2794.1	2779.8	2776.2	2727.9	2663.5	2631.3	2614.6	2581.2	2556.2
165°	2753.9	2769.1	2753.9	2738.8	2735.0	2700.4	2654.3	2631.3	2623.7	2608.6	2597.4
167.5°	2725.1	2731.5	2725.1	2718.8	2717.1	2694.5	2664.3	2649.2	2642.9	2630.1	2620.6
170°	2717.1	2717.1	2717.1	2717.1	2717.1	2694.5	2664.3	2649.2	2648.8	2648.0	2647.5
172.5°	2695.9	2690.4	2695.9	2701.5	2702.9	2685.0	2661.1	2649.2	2649.2	2649.2	2649.2
175°	2683.2	2683.2	2683.2	2683.2	2683.2	2671.8	2656.7	2649.2	2652.8	2660.0	2665.3
177.5°	2671.6	2665.3	2671.6	2677.9	2679.6	2670.7	2658.7	2652.8	2655.6	2661.1	2665.3
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2061.9	2050.3	2050.3	2031.1	2023.5	2017.6	2008.1	1979.2	1971.6	1963.8	1975.4
5°	2079.2	2058.1	2042.7	2008.1	1979.2	1967.6	1931.1	1861.9	1815.7	1781.1	1761.9
7.5°	2083.0	2056.2	2027.3	1973.5	1904.2	1873.4	1761.9	1635.0	1600.2	1569.6	1550.2
10°	2079.2	2048.4	2008.1	1927.3	1763.8	1709.9	1598.3	1515.6	1494.5	1488.8	1494.5
12.5°	2065.7	2036.9	1981.1	1846.5	1617.6	1581.0	1515.6	1467.6	1463.7	1473.4	1525.3
15°	2042.7	2015.7	1950.3	1738.8	1536.9	1509.9	1463.7	1446.4	1467.6	1534.9	1690.7
17.5°	2019.6	1988.9	1908.1	1633.0	1475.3	1456.1	1423.3	1458.0	1577.2	1667.6	1719.6
20°	1988.9	1952.2	1860.0	1556.1	1431.0	1413.7	1398.3	1554.2	1644.5	1677.2	1706.1
22.5°	1952.2	1913.8	1794.6	1502.2	1384.9	1371.4	1381.0	1608.0	1644.5	1667.6	1692.6
25°	1904.2	1871.5	1717.6	1459.9	1348.3	1333.0	1369.5	1602.3	1623.4	1629.1	1679.1
27.5°	1860.0	1817.6	1636.9	1421.4	1304.1	1298.3	1379.1	1577.2	1592.6	1598.3	1652.3
30°	1806.1	1742.6	1546.4	1381.0	1257.9	1256.0	1381.0	1546.4	1542.6	1558.0	1611.8
32.5°	1750.3	1631.0	1444.5	1331.0	1213.6	1211.7	1367.6	1500.3	1496.4	1517.6	1558.0
35°	1698.4	1544.5	1306.0	1273.3	1157.9	1159.8	1334.9	1446.4	1448.3	1467.6	1492.6
37.5°	1644.5	1469.5	1154.1	1209.8	1104.1	1104.1	1290.6	1396.4	1392.6	1398.3	1432.9
40°	1581.0	1352.2	1019.4	1127.1	1054.1	1048.3	1236.8	1342.5	1329.1	1327.2	1375.2
42.5°	1513.7	1223.3	919.4	1017.5	996.3	988.6	1171.4	1277.1	1252.2	1257.9	1319.5
45°	1440.7	1188.7	842.4	859.7	936.7	931.0	1100.2	1202.2	1184.9	1200.3	1263.7
47.5°	1367.6	1119.5	817.5	713.6	873.2	871.3	1021.3	1129.0	1119.5	1134.9	1202.2
50°	1267.6	1042.5	815.6	611.6	802.1	809.7	927.1	1057.9	1057.9	1071.4	1142.5
52.5°	1138.7	948.3	740.5	553.9	719.4	742.4	844.3	996.3	1000.2	1013.6	1077.1
55°	1021.3	850.2	686.7	509.7	621.3	671.3	763.6	932.9	940.5	954.0	1011.7
57.5°	913.6	707.8	675.1	457.7	530.9	579.0	692.4	871.3	875.1	886.7	942.5
60°	798.3	511.7	619.4	402.0	452.0	488.5	627.0	798.3	811.6	819.4	867.5
62.5°	667.4	371.2	561.6	363.6	413.6	421.2	573.2	728.9	746.3	752.1	781.0
65°	475.1	311.6	477.0	330.9	373.1	375.0	515.5	657.8	673.2	682.8	704.0
67.5°	321.2	253.9	363.6	300.1	342.3	344.3	459.7	575.1	596.3	604.0	617.4
70°	223.1	169.3	269.3	267.4	307.7	311.6	400.1	500.1	519.3	525.1	532.8
72.5°	163.5	136.5	223.1	240.4	271.2	275.0	338.5	415.5	434.7	440.4	444.3
75°	125.0	144.3	180.8	209.7	230.8	232.7	277.0	338.5	352.0	355.8	357.7
77.5°	100.0	134.6	132.7	169.3	188.5	184.6	217.4	261.6	273.1	273.1	273.1
80°	75.0	105.8	100.0	121.2	138.5	134.6	155.8	186.6	190.4	194.3	192.3
82.5°	55.7	67.3	67.3	77.0	92.3	88.5	103.8	121.2	121.2	121.2	125.0
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.7	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°	46.6	32.2	17.9	32.2	46.6	50.1	78.7	116.8	135.9	120.8	90.6
92.5°	314.8	193.1	71.5	193.1	314.8	345.2	485.4	672.2	765.6	670.9	481.7
95°	616.9	394.3	171.7	394.3	616.9	672.5	1194.3	1890.0	2237.8	1996.9	1515.2
97.5°	689.7	493.3	296.9	493.3	689.7	738.8	1608.8	2768.7	3348.6	3196.4	2891.9
100°	749.7	571.6	393.5	571.6	749.7	794.2	1759.6	3046.7	3690.3	3701.3	3723.6
102.5°	808.1	642.0	475.8	642.0	808.1	849.7	1828.7	3134.2	3786.9	3980.9	4368.8
105°	896.8	756.1	615.4	756.1	896.8	932.0	1880.1	3144.1	3776.1	4211.0	5080.8
107.5°	1020.8	889.7	758.5	889.7	1020.8	1053.6	1889.5	3004.1	3561.5	4168.1	5381.2
110°	1091.9	973.5	855.0	973.5	1091.9	1121.6	1875.3	2880.1	3382.6	4060.8	5417.1



TEST NUMBER: P935809

CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1175.7	1062.8	949.9	1062.8	1175.7	1203.9	1875.9	2771.8	3219.8	3913.9	5302.0
115°	1301.3	1197.1	1093.0	1197.1	1301.3	1327.3	1893.2	2647.6	3024.9	3693.5	5030.7
117.5°	1423.5	1328.8	1234.3	1328.8	1423.5	1447.1	1928.3	2569.8	2890.7	3494.1	4700.9
120°	1494.6	1405.6	1316.5	1405.6	1494.6	1516.9	1956.9	2543.6	2837.0	3388.4	4491.0
122.5°	1576.7	1486.9	1397.0	1486.9	1576.7	1599.2	1998.1	2530.0	2795.9	3292.4	4285.4
125°	1684.3	1602.4	1520.5	1602.4	1684.3	1704.7	2053.6	2518.7	2751.2	3173.0	4016.4
127.5°	1786.0	1703.3	1620.6	1703.3	1786.0	1806.6	2108.9	2512.1	2713.6	3075.7	3800.0
130°	1852.3	1763.3	1674.3	1763.3	1852.3	1874.6	2149.5	2516.0	2699.3	3021.6	3666.5
132.5°	1907.8	1818.8	1729.8	1818.8	1907.8	1930.1	2182.3	2518.6	2686.7	2975.4	3552.6
135°	1974.2	1893.1	1812.0	1893.1	1974.2	1994.5	2218.1	2516.3	2665.3	2907.0	3390.4
137.5°	2056.7	1976.4	1896.1	1976.4	2056.7	2076.8	2271.7	2531.7	2661.7	2866.0	3274.7
140°	2113.8	2039.8	1965.9	2039.8	2113.8	2132.3	2304.5	2534.3	2649.2	2825.6	3178.7
142.5°	2156.3	2087.9	2019.6	2087.9	2156.3	2173.4	2332.0	2543.4	2649.2	2804.2	3114.3
145°	2221.1	2161.5	2101.9	2161.5	2221.1	2236.0	2367.7	2543.4	2631.3	2758.1	3011.7
147.5°	2300.1	2242.1	2184.1	2242.1	2300.1	2314.7	2420.2	2560.9	2631.3	2731.1	2930.6
150°	2342.8	2290.3	2237.8	2290.3	2342.8	2355.9	2447.6	2570.1	2631.3	2715.6	2884.2
152.5°	2372.7	2333.0	2293.3	2333.0	2372.7	2382.6	2465.5	2576.0	2631.3	2703.3	2847.2
155°	2434.4	2405.0	2375.6	2405.0	2434.4	2441.7	2504.9	2589.1	2631.3	2688.6	2803.1
157.5°	2493.5	2465.0	2436.4	2465.0	2493.5	2500.7	2544.2	2602.2	2631.3	2675.8	2764.8
160°	2522.0	2499.7	2477.5	2499.7	2522.0	2527.6	2562.2	2608.3	2631.3	2669.4	2745.7
162.5°	2551.9	2535.3	2518.6	2535.3	2551.9	2556.2	2581.2	2614.6	2631.3	2663.5	2727.9
165°	2593.5	2578.4	2563.3	2578.4	2593.5	2597.4	2608.6	2623.7	2631.3	2654.3	2700.4
167.5°	2618.8	2611.7	2604.5	2611.7	2618.8	2620.6	2630.1	2642.9	2649.2	2664.3	2694.5
170°	2645.6	2638.5	2631.3	2638.5	2645.6	2647.5	2648.0	2648.8	2649.2	2664.3	2694.5
172.5°	2648.8	2647.2	2645.6	2647.2	2648.8	2649.2	2649.2	2649.2	2649.2	2661.1	2685.0
175°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2660.0	2652.8	2649.2	2656.7	2671.8
177.5°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2661.1	2655.6	2652.8	2658.7	2670.7
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	1961.9	1956.2	1963.8	1942.7	1963.8	1956.2	1961.9	1975.4	1963.8	1971.6	1979.2
5°	1721.5	1711.8	1681.1	1656.1	1681.1	1711.8	1721.5	1761.9	1781.1	1815.7	1861.9
7.5°	1538.8	1531.0	1523.4	1508.0	1523.4	1531.0	1538.8	1550.2	1569.6	1600.2	1635.0
10°	1498.3	1500.3	1511.8	1509.9	1511.8	1500.3	1498.3	1494.5	1488.8	1494.5	1515.6
12.5°	1602.3	1619.6	1683.0	1679.1	1683.0	1619.6	1602.3	1525.3	1473.4	1463.7	1467.6
15°	1721.5	1727.2	1740.7	1742.6	1740.7	1727.2	1721.5	1690.7	1534.9	1467.6	1446.4
17.5°	1733.0	1734.9	1744.5	1744.5	1744.5	1734.9	1733.0	1719.6	1667.6	1577.2	1458.0
20°	1723.4	1727.2	1746.5	1750.3	1746.5	1727.2	1723.4	1706.1	1677.2	1644.5	1554.2
22.5°	1719.6	1727.2	1742.6	1740.7	1742.6	1727.2	1719.6	1692.6	1667.6	1644.5	1608.0
25°	1700.3	1700.3	1702.3	1704.2	1702.3	1700.3	1700.3	1679.1	1629.1	1623.4	1602.3
27.5°	1659.9	1663.7	1675.3	1673.4	1675.3	1663.7	1659.9	1652.3	1598.3	1592.6	1577.2
30°	1623.4	1619.6	1609.9	1602.3	1609.9	1619.6	1623.4	1611.8	1558.0	1542.6	1546.4
32.5°	1561.8	1552.2	1542.6	1536.9	1542.6	1552.2	1561.8	1558.0	1517.6	1496.4	1500.3
35°	1488.8	1490.7	1488.8	1482.9	1488.8	1490.7	1488.8	1492.6	1467.6	1448.3	1446.4
37.5°	1436.8	1440.7	1438.7	1431.0	1438.7	1440.7	1436.8	1432.9	1398.3	1392.6	1396.4
40°	1382.9	1384.9	1382.9	1377.2	1382.9	1384.9	1382.9	1375.2	1327.2	1329.1	1342.5
42.5°	1331.0	1329.1	1323.3	1319.5	1323.3	1329.1	1331.0	1319.5	1257.9	1252.2	1277.1
45°	1271.4	1273.3	1261.7	1256.0	1261.7	1273.3	1271.4	1263.7	1200.3	1184.9	1202.2
47.5°	1211.7	1211.7	1202.2	1196.3	1202.2	1211.7	1211.7	1202.2	1134.9	1119.5	1129.0
50°	1148.3	1146.3	1132.9	1130.9	1132.9	1146.3	1148.3	1142.5	1071.4	1057.9	1057.9
52.5°	1075.2	1075.2	1077.1	1080.9	1077.1	1075.2	1075.2	1077.1	1013.6	1000.2	996.3
55°	1011.7	1013.6	1027.1	1031.0	1027.1	1013.6	1011.7	1011.7	954.0	940.5	932.9
57.5°	946.3	946.3	955.9	955.9	955.9	946.3	946.3	942.5	886.7	875.1	871.3
60°	871.3	875.1	882.9	881.0	882.9	875.1	871.3	867.5	819.4	811.6	798.3
62.5°	792.4	796.3	798.3	794.3	798.3	796.3	792.4	781.0	752.1	746.3	728.9
65°	709.7	713.6	715.5	711.6	715.5	713.6	709.7	704.0	682.8	673.2	657.8
67.5°	625.1	623.2	621.3	629.0	621.3	623.2	625.1	617.4	604.0	596.3	575.1
70°	538.5	538.5	536.6	540.5	536.6	538.5	538.5	532.8	525.1	519.3	500.1
72.5°	446.3	444.3	452.0	446.3	452.0	444.3	446.3	444.3	440.4	434.7	415.5
75°	355.8	359.6	355.8	361.6	355.8	359.6	355.8	357.7	355.8	352.0	338.5
77.5°	271.2	275.0	271.2	271.2	271.2	275.0	271.2	273.1	273.1	273.1	261.6
80°	192.3	190.4	190.4	188.5	190.4	190.4	192.3	192.3	194.3	190.4	186.6
82.5°	123.1	121.2	121.2	125.0	121.2	121.2	123.1	125.0	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°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	27.0	27.0	27.0	28.9
90°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	90.6	120.8	135.9	116.8
92.5°	339.9	326.4	272.3	218.3	272.3	326.4	339.9	481.7	670.9	765.6	672.2
95°	1153.8	1112.9	949.0	785.3	949.0	1112.9	1153.8	1515.2	1996.9	2237.8	1890.0
97.5°	2663.5	2585.6	2273.9	1962.3	2273.9	2585.6	2663.5	2891.9	3196.4	3348.6	2768.7
100°	3740.4	3647.5	3276.3	2905.0	3276.3	3647.5	3740.4	3723.6	3701.3	3690.3	3046.7
102.5°	4659.8	4580.3	4262.3	3944.3	4262.3	4580.3	4659.8	4368.8	3980.9	3786.9	3134.2
105°	5733.0	5690.3	5519.5	5348.5	5519.5	5690.3	5733.0	5080.8	4211.0	3776.1	3144.1
107.5°	6291.1	6301.5	6342.9	6384.2	6342.9	6301.5	6291.1	5381.2	4168.1	3561.5	3004.1
110°	6434.3	6478.8	6656.9	6835.0	6656.9	6478.8	6434.3	5417.1	4060.8	3382.6	2880.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6343.1	6411.4	6684.9	6958.4	6684.9	6411.4	6343.1	5302.0	3913.9	3219.8	2771.8
115°	6033.6	6128.4	6507.6	6886.8	6507.6	6128.4	6033.6	5030.7	3693.5	3024.9	2647.6
117.5°	5606.1	5711.2	6131.8	6552.3	6131.8	5711.2	5606.1	4700.9	3494.1	2890.7	2569.8
120°	5318.0	5420.2	5828.8	6237.5	5828.8	5420.2	5318.0	4491.0	3388.4	2837.0	2543.6
122.5°	5030.1	5130.9	5534.0	5937.0	5534.0	5130.9	5030.1	4285.4	3292.4	2795.9	2530.0
125°	4649.0	4741.9	5113.2	5484.5	5113.2	4741.9	4649.0	4016.4	3173.0	2751.2	2518.7
127.5°	4343.2	4421.5	4734.8	5048.0	4734.8	4421.5	4343.2	3800.0	3075.7	2713.6	2512.1
130°	4150.0	4222.4	4511.7	4801.1	4511.7	4222.4	4150.0	3666.5	3021.6	2699.3	2516.0
132.5°	3985.5	4050.3	4309.4	4568.5	4309.4	4050.3	3985.5	3552.6	2975.4	2686.7	2518.6
135°	3752.9	3808.7	4032.1	4255.5	4032.1	3808.7	3752.9	3390.4	2907.0	2665.3	2516.3
137.5°	3581.2	3626.9	3809.8	3992.5	3809.8	3626.9	3581.2	3274.7	2866.0	2661.7	2531.7
140°	3443.4	3486.1	3657.1	3828.0	3657.1	3486.1	3443.4	3178.7	2825.6	2649.2	2534.3
142.5°	3346.9	3383.7	3530.7	3677.7	3530.7	3383.7	3346.9	3114.3	2804.2	2649.2	2543.4
145°	3201.9	3229.8	3341.1	3452.4	3341.1	3229.8	3201.9	3011.7	2758.1	2631.3	2543.4
147.5°	3080.3	3103.4	3195.6	3287.8	3195.6	3103.4	3080.3	2930.6	2731.1	2631.3	2560.9
150°	3010.5	3029.2	3103.9	3178.7	3103.9	3029.2	3010.5	2884.2	2715.6	2631.3	2570.1
152.5°	2955.1	2969.2	3025.6	3082.0	3025.6	2969.2	2955.1	2847.2	2703.3	2631.3	2576.0
155°	2888.9	2898.3	2935.6	2973.0	2935.6	2898.3	2888.9	2803.1	2688.6	2631.3	2589.1
157.5°	2831.7	2838.3	2864.5	2890.7	2864.5	2838.3	2831.7	2764.8	2675.8	2631.3	2602.2
160°	2803.0	2806.8	2821.9	2837.0	2821.9	2806.8	2803.0	2745.7	2669.4	2631.3	2608.3
162.5°	2776.2	2779.8	2794.1	2808.4	2794.1	2779.8	2776.2	2727.9	2663.5	2631.3	2614.6
165°	2735.0	2738.8	2753.9	2769.1	2753.9	2738.8	2735.0	2700.4	2654.3	2631.3	2623.7
167.5°	2717.1	2718.8	2725.1	2731.5	2725.1	2718.8	2717.1	2694.5	2664.3	2649.2	2642.9
170°	2717.1	2717.1	2717.1	2717.1	2717.1	2717.1	2717.1	2694.5	2664.3	2649.2	2648.8
172.5°	2702.9	2701.5	2695.9	2690.4	2695.9	2701.5	2702.9	2685.0	2661.1	2649.2	2649.2
175°	2683.2	2683.2	2683.2	2683.2	2683.2	2683.2	2683.2	2671.8	2656.7	2649.2	2652.8
177.5°	2679.6	2677.9	2671.6	2665.3	2671.6	2677.9	2679.6	2670.7	2658.7	2652.8	2655.6
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2008.1	2017.6	2023.5	2031.1	2050.3
5°	1931.1	1967.6	1979.2	2008.1	2042.7
7.5°	1761.9	1873.4	1904.2	1973.5	2027.3
10°	1598.3	1709.9	1763.8	1927.3	2008.1
12.5°	1515.6	1581.0	1617.6	1846.5	1981.1
15°	1463.7	1509.9	1536.9	1738.8	1950.3
17.5°	1423.3	1456.1	1475.3	1633.0	1908.1
20°	1398.3	1413.7	1431.0	1556.1	1860.0
22.5°	1381.0	1371.4	1384.9	1502.2	1794.6
25°	1369.5	1333.0	1348.3	1459.9	1717.6
27.5°	1379.1	1298.3	1304.1	1421.4	1636.9
30°	1381.0	1256.0	1257.9	1381.0	1546.4
32.5°	1367.6	1211.7	1213.6	1331.0	1444.5
35°	1334.9	1159.8	1157.9	1273.3	1306.0
37.5°	1290.6	1104.1	1104.1	1209.8	1154.1
40°	1236.8	1048.3	1054.1	1127.1	1019.4
42.5°	1171.4	988.6	996.3	1017.5	919.4
45°	1100.2	931.0	936.7	859.7	842.4
47.5°	1021.3	871.3	873.2	713.6	817.5
50°	927.1	809.7	802.1	611.6	815.6
52.5°	844.3	742.4	719.4	553.9	740.5
55°	763.6	671.3	621.3	509.7	686.7
57.5°	692.4	579.0	530.9	457.7	675.1
60°	627.0	488.5	452.0	402.0	619.4
62.5°	573.2	421.2	413.6	363.6	561.6
65°	515.5	375.0	373.1	330.9	477.0
67.5°	459.7	344.3	342.3	300.1	363.6
70°	400.1	311.6	307.7	267.4	269.3
72.5°	338.5	275.0	271.2	240.4	223.1
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.5	169.3	132.7
80°	155.8	134.6	138.5	121.2	100.0
82.5°	103.8	88.5	92.3	77.0	67.3
85°	57.7	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	78.7	50.1	46.6	32.2	17.9
92.5°	485.4	345.2	314.8	193.1	71.5
95°	1194.3	672.5	616.9	394.3	171.7
97.5°	1608.8	738.8	689.7	493.3	296.9
100°	1759.6	794.2	749.7	571.6	393.5
102.5°	1828.7	849.7	808.1	642.0	475.8
105°	1880.1	932.0	896.8	756.1	615.4
107.5°	1889.5	1053.6	1020.8	889.7	758.5
110°	1875.3	1121.6	1091.9	973.5	855.0



TEST NUMBER: P935809

CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1875.9	1203.9	1175.7	1062.8	949.9
115°	1893.2	1327.3	1301.3	1197.1	1093.0
117.5°	1928.3	1447.1	1423.5	1328.8	1234.3
120°	1956.9	1516.9	1494.6	1405.6	1316.5
122.5°	1998.1	1599.2	1576.7	1486.9	1397.0
125°	2053.6	1704.7	1684.3	1602.4	1520.5
127.5°	2108.9	1806.6	1786.0	1703.3	1620.6
130°	2149.5	1874.6	1852.3	1763.3	1674.3
132.5°	2182.3	1930.1	1907.8	1818.8	1729.8
135°	2218.1	1994.5	1974.2	1893.1	1812.0
137.5°	2271.7	2076.8	2056.7	1976.4	1896.1
140°	2304.5	2132.3	2113.8	2039.8	1965.9
142.5°	2332.0	2173.4	2156.3	2087.9	2019.6
145°	2367.7	2236.0	2221.1	2161.5	2101.9
147.5°	2420.2	2314.7	2300.1	2242.1	2184.1
150°	2447.6	2355.9	2342.8	2290.3	2237.8
152.5°	2465.5	2382.6	2372.7	2333.0	2293.3
155°	2504.9	2441.7	2434.4	2405.0	2375.6
157.5°	2544.2	2500.7	2493.5	2465.0	2436.4
160°	2562.2	2527.6	2522.0	2499.7	2477.5
162.5°	2581.2	2556.2	2551.9	2535.3	2518.6
165°	2608.6	2597.4	2593.5	2578.4	2563.3
167.5°	2630.1	2620.6	2618.8	2611.7	2604.5
170°	2648.0	2647.5	2645.6	2638.5	2631.3
172.5°	2649.2	2649.2	2648.8	2647.2	2645.6
175°	2660.0	2665.3	2665.3	2665.3	2665.3
177.5°	2661.1	2665.3	2665.3	2665.3	2665.3
180°	2665.3	2665.3	2665.3	2665.3	2665.3



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	7.99	8.66	9.15	9.80	11.40	10.84	11.51	12.00	12.65	14.26
	3H	8.45	9.05	9.62	10.20	11.82	12.18	12.77	13.34	13.92	15.55
	4H	8.63	9.20	9.81	10.35	11.98	12.62	13.18	13.79	14.33	15.96
	6H	8.74	9.26	9.92	10.41	12.05	12.90	13.42	14.08	14.57	16.21
	8H	8.74	9.23	9.92	10.40	12.03	12.97	13.46	14.15	14.63	16.26
	12H	8.70	9.17	9.89	10.33	11.98	13.00	13.47	14.19	14.64	16.29
4H	2H	9.00	9.57	10.18	10.72	12.35	11.23	11.79	12.41	12.94	14.57
	3H	10.01	10.48	11.20	11.66	13.30	12.72	13.19	13.90	14.37	16.00
	4H	10.28	10.71	11.47	11.88	13.53	13.24	13.68	14.43	14.84	16.50
	6H	10.39	10.76	11.58	11.95	13.60	13.60	13.97	14.79	15.16	16.81
	8H	10.39	10.74	11.58	11.92	13.58	13.71	14.05	14.90	15.23	16.89
	12H	10.35	10.67	11.56	11.85	13.52	13.76	14.07	14.96	15.26	16.93
8H	4H	10.72	11.07	11.91	12.25	13.91	13.35	13.70	14.54	14.88	16.54
	6H	10.97	11.26	12.18	12.48	14.14	13.78	14.07	14.99	15.29	16.95
	8H	11.01	11.26	12.23	12.46	14.14	13.94	14.19	15.15	15.38	17.06
	12H	10.99	11.21	12.21	12.40	14.11	14.03	14.25	15.25	15.45	17.16
12H	4H	10.72	11.03	11.92	12.22	13.89	13.31	13.62	14.51	14.81	16.48
	6H	11.03	11.28	12.25	12.48	14.16	13.78	14.03	14.99	15.23	16.91
	8H	11.09	11.31	12.31	12.51	14.22	13.94	14.15	15.15	15.35	17.06