

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: P935126

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935126
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

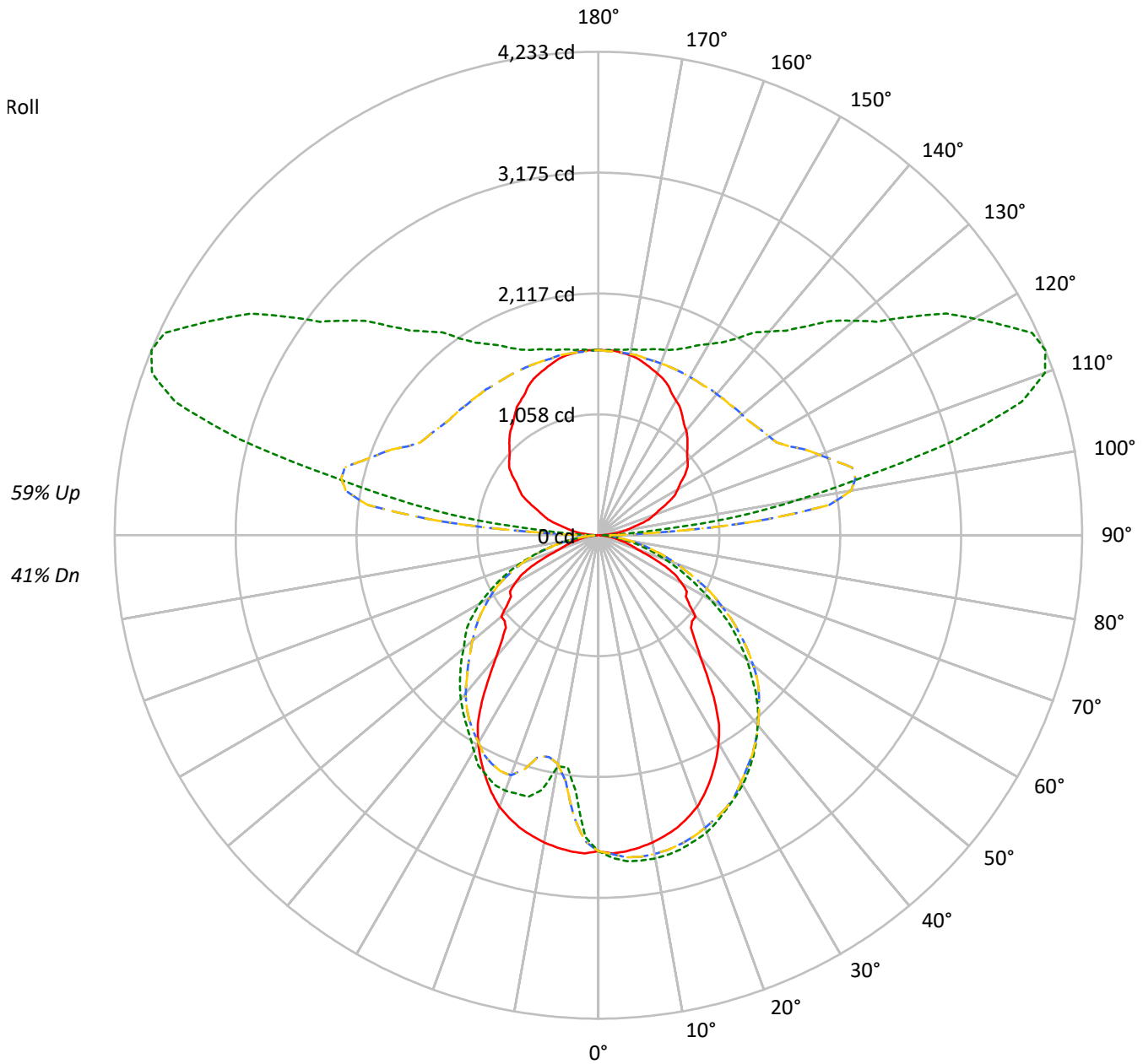
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17686.5 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8553	8553	8553	8553
5°	8620	8634	8620	6789
10°	8566	8505	8566	6080
15°	8476	8321	8476	6948
20°	8302	8102	8302	6962
25°	7943	7784	7943	6815
30°	7476	7520	7476	6491
35°	6668	7185	6668	6135
40°	5559	6792	5559	5866
45°	4971	6331	4971	5557
50°	5285	5781	5285	5246
55°	4977	5189	4977	5066
60°	5137	4407	5137	4641
65°	4665	3643	4665	4073
70°	3239	2903	3239	3414
75°	2850	2146	2850	2570
80°	2313	1419	2313	1545
85°	1358	751	1358	638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7614 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	1.4
10°-20°	708.7	4.0
20°-30°	1095.6	6.2
30°-40°	1307.8	7.4
40°-50°	1315.5	7.4
50°-60°	1144.6	6.5
60°-70°	811.6	4.6
70°-80°	429.4	2.4
80°-90°	113.1	0.6
90°-100°	790.3	4.5
100°-110°	2077.8	11.7
110°-120°	2154.5	12.2
120°-130°	1728.2	9.8
130°-140°	1356.0	7.7
140°-150°	1040.8	5.9
150°-160°	749.5	4.2
160°-170°	458.6	2.6
170°-180°	154.9	0.9
0°-30°	2053.9	11.6
0°-40°	3361.8	19.0
0°-60°	5821.9	32.9
0°-90°	7176.0	40.6
90°-120°	5022.6	28.4
90°-150°	9147.5	51.7
90°-180°	10511.0	59.4
0°-180°	17686.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2765	2765	2765	2765	2765	
5°	2778	2865	2778	2252	2778	264
15°	2653	2839	2653	2370	2653	746
25°	2336	2648	2336	2318	2336	1073
35°	1776	2362	1776	2017	1776	1099
45°	1146	1946	1146	1708	1146	918
55°	934	1436	934	1402	934	858
65°	649	866	649	968	649	620
75°	246	411	246	492	246	259
85°	42	105	42	89	42	57
90°	11	41	11	41	11	11
95°	104	478	104	478	104	116
105°	374	3254	374	3254	374	397
115°	665	4189	665	4189	665	657
125°	925	3336	925	3336	925	821
135°	1102	2589	1102	2589	1102	853
145°	1279	2100	1279	2100	1279	801
155°	1445	1808	1445	1808	1445	664
165°	1559	1684	1559	1684	1559	440
175°	1621	1632	1621	1632	1621	154
180°	1621	1621	1621	1621	1621	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2788.9	2788.9	2804.5	2809.8	2809.8	2801.9	2794.1	2801.9	2825.5	2833.3	2830.7
5°	2778.4	2799.3	2828.1	2833.3	2838.6	2835.9	2830.7	2835.9	2862.1	2867.3	2870.0
7.5°	2757.5	2796.7	2833.3	2841.2	2849.0	2841.2	2838.6	2843.8	2870.0	2875.2	2875.2
10°	2731.3	2786.2	2828.1	2833.3	2841.2	2833.3	2833.3	2843.8	2870.0	2875.2	2877.8
12.5°	2694.7	2770.5	2809.8	2815.0	2825.5	2822.9	2820.2	2830.7	2856.9	2862.1	2862.1
15°	2652.8	2741.8	2778.4	2783.6	2801.9	2796.7	2796.7	2807.2	2835.9	2843.8	2841.2
17.5°	2595.3	2705.1	2747.0	2754.8	2767.9	2765.3	2767.9	2778.4	2804.5	2809.8	2812.4
20°	2529.9	2655.4	2705.1	2713.0	2726.1	2726.1	2726.1	2739.1	2765.3	2775.8	2775.8
22.5°	2440.9	2603.1	2655.4	2660.7	2676.4	2676.4	2681.6	2699.9	2723.4	2726.1	2726.1
25°	2336.3	2545.6	2590.0	2605.7	2621.4	2629.3	2637.1	2647.6	2655.4	2652.8	2655.4
27.5°	2226.3	2472.3	2529.9	2540.3	2561.3	2569.1	2579.6	2582.2	2584.8	2592.6	2587.4
30°	2103.3	2370.3	2456.6	2467.1	2501.1	2506.3	2495.8	2501.1	2514.2	2519.4	2524.6
32.5°	1964.7	2218.5	2380.7	2404.3	2435.7	2420.0	2417.4	2425.2	2446.1	2446.1	2451.4
35°	1776.3	2100.7	2310.1	2331.0	2354.6	2336.3	2346.7	2349.3	2362.4	2370.3	2367.7
37.5°	1569.7	1998.7	2236.8	2252.5	2270.8	2247.2	2262.9	2270.8	2281.2	2276.0	2276.0
40°	1386.5	1839.1	2150.4	2160.9	2176.6	2158.3	2174.0	2179.2	2184.4	2179.2	2176.6
42.5°	1250.5	1663.8	2058.9	2072.0	2061.5	2074.6	2079.8	2090.3	2082.4	2072.0	2072.0
45°	1145.9	1616.8	1959.5	1975.2	1959.5	1980.4	1988.2	1988.2	1964.7	1959.5	1956.8
47.5°	1111.8	1522.6	1860.0	1860.0	1852.2	1878.4	1891.4	1873.1	1849.6	1841.7	1841.7
50°	1109.2	1417.9	1724.0	1713.5	1750.2	1781.6	1768.5	1750.2	1731.9	1703.1	1703.1
52.5°	1007.2	1289.7	1548.7	1588.0	1645.5	1663.8	1642.9	1624.6	1593.2	1580.1	1569.7
55°	933.9	1156.3	1389.2	1467.6	1527.8	1551.3	1512.1	1493.8	1446.7	1438.9	1433.6
57.5°	918.3	962.7	1242.6	1342.1	1415.3	1412.7	1389.2	1355.1	1315.9	1308.1	1305.4
60°	842.4	695.9	1085.7	1203.4	1279.3	1271.4	1250.5	1219.1	1182.5	1177.2	1172.0
62.5°	763.9	504.9	907.8	1041.2	1148.5	1145.9	1127.5	1080.5	1054.3	1041.2	1030.7
65°	648.8	423.8	646.2	865.9	1020.3	1025.5	986.3	952.3	923.5	907.8	905.2
67.5°	494.4	345.3	436.9	722.0	897.3	892.1	842.4	826.7	790.1	782.2	766.5
70°	366.3	230.2	303.5	586.0	777.0	763.9	724.7	706.3	672.3	654.0	643.6
72.5°	303.5	185.7	222.4	455.2	654.0	638.3	604.3	583.4	554.6	538.9	528.5
75°	245.9	196.2	170.0	337.5	531.1	520.6	489.2	468.3	444.7	423.8	426.4
77.5°	180.5	183.1	136.0	248.5	421.2	405.5	387.2	361.0	350.6	329.6	329.6
80°	136.0	143.9	102.0	170.0	303.5	303.5	287.8	269.5	251.1	240.7	240.7
82.5°	91.6	91.6	75.9	107.3	206.7	198.8	188.4	183.1	172.7	167.4	167.4
85°	41.9	52.3	47.1	65.4	112.5	117.7	117.7	112.5	109.9	104.6	107.3
87.5°	13.1	23.5	28.8	36.6	57.6	60.2	62.8	62.8	62.8	65.4	65.4
90°	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1	41.3	41.3
92.5°	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1	206.8	198.6
95°	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7	701.8	676.9
97.5°	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2	1620.2	1572.9
100°	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2	2275.3	2218.9
102.5°	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6	2834.6	2786.2
105°	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8	3487.5	3461.5
107.5°	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5	3827.0	3833.3
110°	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2	3914.0	3941.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	577.8	646.5	715.2	732.3	1141.1	1686.2	1958.7	2380.9	3225.3	3858.6	3900.2
115°	664.8	728.2	791.5	807.4	1151.6	1610.6	1840.1	2246.8	3060.2	3670.3	3727.9
117.5°	750.8	808.4	865.9	880.3	1173.1	1563.3	1758.5	2125.5	2859.7	3410.3	3474.2
120°	800.9	855.0	909.3	922.8	1190.5	1547.4	1725.8	2061.2	2732.0	3235.1	3297.2
122.5°	849.9	904.6	959.2	972.8	1215.5	1539.1	1700.8	2002.8	2606.9	3059.9	3121.2
125°	925.0	974.8	1024.6	1037.0	1249.2	1532.2	1673.6	1930.2	2443.3	2828.1	2884.5
127.5°	985.8	1036.2	1086.5	1099.0	1282.9	1528.2	1650.8	1871.0	2311.6	2642.0	2689.6
130°	1018.5	1072.7	1126.8	1140.4	1307.6	1530.6	1642.0	1838.2	2230.4	2524.5	2568.6
132.5°	1052.3	1106.4	1160.6	1174.1	1327.5	1532.1	1634.4	1809.9	2161.1	2424.4	2463.8
135°	1102.3	1151.6	1201.0	1213.3	1349.3	1530.7	1621.4	1768.4	2062.4	2282.9	2316.9
137.5°	1153.4	1202.3	1251.1	1263.3	1381.9	1540.1	1619.2	1743.5	1992.1	2178.5	2206.3
140°	1195.9	1240.9	1285.8	1297.1	1401.9	1541.7	1611.5	1718.9	1933.6	2094.7	2120.7
142.5°	1228.5	1270.1	1311.7	1322.1	1418.5	1547.2	1611.5	1705.9	1894.5	2035.9	2058.3
145°	1278.6	1314.9	1351.1	1360.2	1440.3	1547.2	1600.7	1677.8	1832.1	1947.8	1964.7
147.5°	1328.6	1363.9	1399.3	1408.1	1472.3	1557.9	1600.7	1661.4	1782.8	1873.8	1887.9
150°	1361.2	1393.2	1425.1	1433.1	1489.0	1563.5	1600.7	1652.0	1754.4	1831.4	1842.7
152.5°	1395.0	1419.1	1443.4	1449.4	1499.8	1567.0	1600.7	1644.5	1731.9	1797.6	1806.2
155°	1445.0	1462.9	1480.9	1485.3	1523.8	1575.1	1600.7	1635.5	1705.1	1757.3	1763.0
157.5°	1482.0	1499.5	1516.9	1521.3	1547.8	1583.1	1600.7	1627.7	1681.9	1722.5	1726.5
160°	1507.0	1520.7	1534.2	1537.6	1558.6	1586.7	1600.7	1623.9	1670.3	1705.1	1707.4
162.5°	1532.1	1542.2	1552.4	1554.9	1570.2	1590.5	1600.7	1620.2	1659.4	1688.8	1691.0
165°	1559.3	1568.4	1577.7	1580.0	1586.8	1596.1	1600.7	1614.7	1642.7	1663.8	1666.0
167.5°	1584.3	1588.7	1593.0	1594.2	1599.9	1607.7	1611.5	1620.8	1639.2	1652.9	1653.9
170°	1600.7	1605.1	1609.4	1610.5	1610.8	1611.3	1611.5	1620.8	1639.2	1652.9	1652.9
172.5°	1609.3	1610.3	1611.3	1611.5	1611.5	1611.5	1611.5	1618.8	1633.3	1644.2	1643.3
175°	1621.4	1621.4	1621.4	1621.4	1618.1	1613.7	1611.5	1616.1	1625.3	1632.2	1632.2
177.5°	1621.4	1621.4	1621.4	1621.4	1618.8	1615.4	1613.7	1617.4	1624.6	1630.0	1629.0
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2835.9	2828.1	2835.9	2830.7	2833.3	2825.5	2801.9	2794.1	2801.9	2809.8	2809.8
5°	2870.0	2864.7	2870.0	2870.0	2867.3	2862.1	2835.9	2830.7	2835.9	2838.6	2833.3
7.5°	2880.4	2872.6	2880.4	2875.2	2875.2	2870.0	2843.8	2838.6	2841.2	2849.0	2841.2
10°	2880.4	2872.6	2880.4	2877.8	2875.2	2870.0	2843.8	2833.3	2833.3	2841.2	2833.3
12.5°	2867.3	2862.1	2867.3	2862.1	2862.1	2856.9	2830.7	2820.2	2822.9	2825.5	2815.0
15°	2846.4	2838.6	2846.4	2841.2	2843.8	2835.9	2807.2	2796.7	2796.7	2801.9	2783.6
17.5°	2815.0	2804.5	2815.0	2812.4	2809.8	2804.5	2778.4	2767.9	2765.3	2767.9	2754.8
20°	2778.4	2770.5	2778.4	2775.8	2775.8	2765.3	2739.1	2726.1	2726.1	2726.1	2713.0
22.5°	2720.8	2713.0	2720.8	2726.1	2726.1	2723.4	2699.9	2681.6	2676.4	2676.4	2660.7
25°	2655.4	2647.6	2655.4	2655.4	2652.8	2655.4	2647.6	2637.1	2629.3	2621.4	2605.7
27.5°	2592.6	2587.4	2592.6	2587.4	2592.6	2584.8	2582.2	2579.6	2569.1	2561.3	2540.3
30°	2529.9	2524.6	2529.9	2524.6	2519.4	2514.2	2501.1	2495.8	2506.3	2501.1	2467.1
32.5°	2451.4	2446.1	2451.4	2451.4	2446.1	2446.1	2425.2	2417.4	2420.0	2435.7	2404.3
35°	2370.3	2362.4	2370.3	2367.7	2370.3	2362.4	2349.3	2346.7	2336.3	2354.6	2331.0
37.5°	2276.0	2268.2	2276.0	2276.0	2276.0	2281.2	2270.8	2262.9	2247.2	2270.8	2252.5
40°	2179.2	2168.7	2179.2	2176.6	2179.2	2184.4	2179.2	2174.0	2158.3	2176.6	2160.9
42.5°	2069.3	2066.7	2069.3	2072.0	2072.0	2082.4	2090.3	2079.8	2074.6	2061.5	2072.0
45°	1951.6	1946.4	1951.6	1956.8	1959.5	1964.7	1988.2	1988.2	1980.4	1959.5	1975.2
47.5°	1826.0	1813.0	1826.0	1841.7	1841.7	1849.6	1873.1	1891.4	1878.4	1852.2	1860.0
50°	1692.6	1695.2	1692.6	1703.1	1703.1	1731.9	1750.2	1768.5	1781.6	1750.2	1713.5
52.5°	1561.8	1559.2	1561.8	1569.7	1580.1	1593.2	1624.6	1642.9	1663.8	1645.5	1588.0
55°	1431.0	1436.2	1431.0	1433.6	1438.9	1446.7	1493.8	1512.1	1551.3	1527.8	1467.6
57.5°	1300.2	1292.4	1300.2	1305.4	1308.1	1315.9	1355.1	1389.2	1412.7	1415.3	1342.1
60°	1148.5	1138.0	1148.5	1172.0	1177.2	1182.5	1219.1	1250.5	1271.4	1279.3	1203.4
62.5°	1015.0	996.7	1015.0	1030.7	1041.2	1054.3	1080.5	1127.5	1145.9	1148.5	1041.2
65°	873.8	865.9	873.8	905.2	907.8	923.5	952.3	986.3	1025.5	1020.3	865.9
67.5°	745.6	745.6	745.6	766.5	782.2	790.1	826.7	842.4	892.1	897.3	722.0
70°	627.9	625.2	627.9	643.6	654.0	672.3	706.3	724.7	763.9	777.0	586.0
72.5°	515.4	512.8	515.4	528.5	538.9	554.6	583.4	604.3	638.3	654.0	455.2
75°	416.0	410.7	416.0	426.4	423.8	444.7	468.3	489.2	520.6	531.1	337.5
77.5°	319.2	319.2	319.2	329.6	329.6	350.6	361.0	387.2	405.5	421.2	248.5
80°	238.1	235.4	238.1	240.7	240.7	251.1	269.5	287.8	303.5	303.5	170.0
82.5°	167.4	162.2	167.4	167.4	167.4	172.7	183.1	188.4	198.8	206.7	107.3
85°	104.6	104.6	104.6	107.3	104.6	109.9	112.5	117.7	117.7	112.5	65.4
87.5°	68.0	65.4	68.0	65.4	65.4	62.8	62.8	62.8	60.2	57.6	36.6
90°	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1	47.9	30.4
92.5°	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9	295.3	210.0
95°	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7	726.5	409.2
97.5°	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2	978.6	449.4
100°	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3	1070.3	483.1
102.5°	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6	1112.5	516.9
105°	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6	1143.7	566.9
107.5°	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4	1149.4	640.9
110°	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0	1140.7	682.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4066.6	4232.9	4066.6	3900.2	3858.6	3225.3	2380.9	1958.7	1686.2	1141.1	732.3
115°	3958.7	4189.3	3958.7	3727.9	3670.3	3060.2	2246.8	1840.1	1610.6	1151.6	807.4
117.5°	3730.0	3985.9	3730.0	3474.2	3410.3	2859.7	2125.5	1758.5	1563.3	1173.1	880.3
120°	3545.8	3794.4	3545.8	3297.2	3235.1	2732.0	2061.2	1725.8	1547.4	1190.5	922.8
122.5°	3366.3	3611.5	3366.3	3121.2	3059.9	2606.9	2002.8	1700.8	1539.1	1215.5	972.8
125°	3110.4	3336.2	3110.4	2884.5	2828.1	2443.3	1930.2	1673.6	1532.2	1249.2	1037.0
127.5°	2880.2	3070.8	2880.2	2689.6	2642.0	2311.6	1871.0	1650.8	1528.2	1282.9	1099.0
130°	2744.6	2920.6	2744.6	2568.6	2524.5	2230.4	1838.2	1642.0	1530.6	1307.6	1140.4
132.5°	2621.5	2779.2	2621.5	2463.8	2424.4	2161.1	1809.9	1634.4	1532.1	1327.5	1174.1
135°	2452.8	2588.7	2452.8	2316.9	2282.9	2062.4	1768.4	1621.4	1530.7	1349.3	1213.3
137.5°	2317.5	2428.8	2317.5	2206.3	2178.5	1992.1	1743.5	1619.2	1540.1	1381.9	1263.3
140°	2224.7	2328.7	2224.7	2120.7	2094.7	1933.6	1718.9	1611.5	1541.7	1401.9	1297.1
142.5°	2147.7	2237.2	2147.7	2058.3	2035.9	1894.5	1705.9	1611.5	1547.2	1418.5	1322.1
145°	2032.4	2100.1	2032.4	1964.7	1947.8	1832.1	1677.8	1600.7	1547.2	1440.3	1360.2
147.5°	1943.9	2000.0	1943.9	1887.9	1873.8	1782.8	1661.4	1600.7	1557.9	1472.3	1408.1
150°	1888.2	1933.6	1888.2	1842.7	1831.4	1754.4	1652.0	1600.7	1563.5	1489.0	1433.1
152.5°	1840.5	1874.9	1840.5	1806.2	1797.6	1731.9	1644.5	1600.7	1567.0	1499.8	1449.4
155°	1785.8	1808.5	1785.8	1763.0	1757.3	1705.1	1635.5	1600.7	1575.1	1523.8	1485.3
157.5°	1742.5	1758.5	1742.5	1726.5	1722.5	1681.9	1627.7	1600.7	1583.1	1547.8	1521.3
160°	1716.6	1725.8	1716.6	1707.4	1705.1	1670.3	1623.9	1600.7	1586.7	1558.6	1537.6
162.5°	1699.7	1708.4	1699.7	1691.0	1688.8	1659.4	1620.2	1600.7	1590.5	1570.2	1554.9
165°	1675.3	1684.4	1675.3	1666.0	1663.8	1642.7	1614.7	1600.7	1596.1	1586.8	1580.0
167.5°	1657.7	1661.6	1657.7	1653.9	1652.9	1639.2	1620.8	1611.5	1607.7	1599.9	1594.2
170°	1652.9	1652.9	1652.9	1652.9	1652.9	1639.2	1620.8	1611.5	1611.3	1610.8	1610.5
172.5°	1639.9	1636.5	1639.9	1643.3	1644.2	1633.3	1618.8	1611.5	1611.5	1611.5	1611.5
175°	1632.2	1632.2	1632.2	1632.2	1632.2	1625.3	1616.1	1611.5	1613.7	1618.1	1621.4
177.5°	1625.2	1621.4	1625.2	1629.0	1630.0	1624.6	1617.4	1613.7	1615.4	1618.8	1621.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2804.5	2788.9	2788.9	2762.7	2752.2	2744.4	2731.3	2692.1	2681.6	2671.1	2686.8
5°	2828.1	2799.3	2778.4	2731.3	2692.1	2676.4	2626.7	2532.5	2469.7	2422.6	2396.4
7.5°	2833.3	2796.7	2757.5	2684.2	2590.0	2548.2	2396.4	2223.7	2176.6	2134.7	2108.6
10°	2828.1	2786.2	2731.3	2621.4	2399.1	2325.8	2174.0	2061.5	2032.7	2024.9	2032.7
12.5°	2809.8	2770.5	2694.7	2511.5	2200.1	2150.4	2061.5	1996.1	1990.9	2003.9	2074.6
15°	2778.4	2741.8	2652.8	2365.0	2090.3	2053.6	1990.9	1967.3	1996.1	2087.6	2299.6
17.5°	2747.0	2705.1	2595.3	2221.1	2006.6	1980.4	1935.9	1983.0	2145.2	2268.2	2338.9
20°	2705.1	2655.4	2529.9	2116.4	1946.4	1922.8	1901.9	2113.8	2236.8	2281.2	2320.6
22.5°	2655.4	2603.1	2440.9	2043.2	1883.6	1865.3	1878.4	2187.1	2236.8	2268.2	2302.2
25°	2590.0	2545.6	2336.3	1985.6	1833.9	1813.0	1862.7	2179.2	2208.0	2215.8	2283.9
27.5°	2529.9	2472.3	2226.3	1933.3	1773.7	1765.9	1875.7	2145.2	2166.1	2174.0	2247.2
30°	2456.6	2370.3	2103.3	1878.4	1710.9	1708.3	1878.4	2103.3	2098.1	2119.0	2192.3
32.5°	2380.7	2218.5	1964.7	1810.3	1650.8	1648.1	1860.0	2040.6	2035.3	2064.1	2119.0
35°	2310.1	2100.7	1776.3	1731.9	1574.9	1577.5	1815.6	1967.3	1969.9	1996.1	2030.1
37.5°	2236.8	1998.7	1569.7	1645.5	1501.6	1501.6	1755.4	1899.3	1894.1	1901.9	1949.0
40°	2150.4	1839.1	1386.5	1533.0	1433.6	1425.8	1682.2	1826.0	1807.7	1805.1	1870.5
42.5°	2058.9	1663.8	1250.5	1383.9	1355.1	1344.7	1593.2	1737.1	1703.1	1710.9	1794.6
45°	1959.5	1616.8	1145.9	1169.4	1274.0	1266.2	1496.4	1635.1	1611.5	1632.4	1718.8
47.5°	1860.0	1522.6	1111.8	970.6	1187.7	1185.1	1389.2	1535.7	1522.6	1543.5	1635.1
50°	1724.0	1417.9	1109.2	831.9	1090.9	1101.4	1261.0	1438.9	1438.9	1457.2	1554.0
52.5°	1548.7	1289.7	1007.2	753.4	978.4	1009.8	1148.5	1355.1	1360.4	1378.7	1465.0
55°	1389.2	1156.3	933.9	693.3	845.0	913.0	1038.6	1268.8	1279.3	1297.6	1376.1
57.5°	1242.6	962.7	918.3	622.6	722.0	787.4	941.8	1185.1	1190.3	1206.0	1281.9
60°	1085.7	695.9	842.4	546.8	614.8	664.5	852.8	1085.7	1104.0	1114.5	1179.9
62.5°	907.8	504.9	763.9	494.4	562.5	572.9	779.6	991.5	1015.0	1022.9	1062.1
65°	646.2	423.8	648.8	450.0	507.5	510.1	701.1	894.7	915.6	928.7	957.5
67.5°	436.9	345.3	494.4	408.1	465.7	468.3	625.2	782.2	811.0	821.5	839.8
70°	303.5	230.2	366.3	363.6	418.6	423.8	544.1	680.2	706.3	714.2	724.7
72.5°	222.4	185.7	303.5	327.0	368.9	374.1	460.4	565.1	591.2	599.1	604.3
75°	170.0	196.2	245.9	285.2	313.9	316.5	376.7	460.4	478.7	484.0	486.6
77.5°	136.0	183.1	180.5	230.2	256.4	251.1	295.6	355.8	371.5	371.5	371.5
80°	102.0	143.9	136.0	164.8	188.4	183.1	211.9	253.8	259.0	264.2	261.6
82.5°	75.9	91.6	91.6	104.6	125.6	120.3	141.3	164.8	164.8	164.8	170.0
85°	47.1	52.3	41.9	54.9	70.6	68.0	78.5	88.9	91.6	91.6	86.3
87.5°	28.8	23.5	13.1	20.9	31.4	31.4	36.6	39.2	36.6	36.6	36.6
90°	28.3	19.6	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1
92.5°	191.5	117.5	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1
95°	375.3	239.9	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7
97.5°	419.5	300.1	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2
100°	456.0	347.7	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2
102.5°	491.6	390.5	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6
105°	545.5	459.9	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8
107.5°	621.0	541.2	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5
110°	664.2	592.2	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2



TEST NUMBER: P935126

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	715.2	646.5	577.8	646.5	715.2	732.3	1141.1	1686.2	1958.7	2380.9	3225.3
115°	791.5	728.2	664.8	728.2	791.5	807.4	1151.6	1610.6	1840.1	2246.8	3060.2
117.5°	865.9	808.4	750.8	808.4	865.9	880.3	1173.1	1563.3	1758.5	2125.5	2859.7
120°	909.3	855.0	800.9	855.0	909.3	922.8	1190.5	1547.4	1725.8	2061.2	2732.0
122.5°	959.2	904.6	849.9	904.6	959.2	972.8	1215.5	1539.1	1700.8	2002.8	2606.9
125°	1024.6	974.8	925.0	974.8	1024.6	1037.0	1249.2	1532.2	1673.6	1930.2	2443.3
127.5°	1086.5	1036.2	985.8	1036.2	1086.5	1099.0	1282.9	1528.2	1650.8	1871.0	2311.6
130°	1126.8	1072.7	1018.5	1072.7	1126.8	1140.4	1307.6	1530.6	1642.0	1838.2	2230.4
132.5°	1160.6	1106.4	1052.3	1106.4	1160.6	1174.1	1327.5	1532.1	1634.4	1809.9	2161.1
135°	1201.0	1151.6	1102.3	1151.6	1201.0	1213.3	1349.3	1530.7	1621.4	1768.4	2062.4
137.5°	1251.1	1202.3	1153.4	1202.3	1251.1	1263.3	1381.9	1540.1	1619.2	1743.5	1992.1
140°	1285.8	1240.9	1195.9	1240.9	1285.8	1297.1	1401.9	1541.7	1611.5	1718.9	1933.6
142.5°	1311.7	1270.1	1228.5	1270.1	1311.7	1322.1	1418.5	1547.2	1611.5	1705.9	1894.5
145°	1351.1	1314.9	1278.6	1314.9	1351.1	1360.2	1440.3	1547.2	1600.7	1677.8	1832.1
147.5°	1399.3	1363.9	1328.6	1363.9	1399.3	1408.1	1472.3	1557.9	1600.7	1661.4	1782.8
150°	1425.1	1393.2	1361.2	1393.2	1425.1	1433.1	1489.0	1563.5	1600.7	1652.0	1754.4
152.5°	1443.4	1419.1	1395.0	1419.1	1443.4	1449.4	1499.8	1567.0	1600.7	1644.5	1731.9
155°	1480.9	1462.9	1445.0	1462.9	1480.9	1485.3	1523.8	1575.1	1600.7	1635.5	1705.1
157.5°	1516.9	1499.5	1482.0	1499.5	1516.9	1521.3	1547.8	1583.1	1600.7	1627.7	1681.9
160°	1534.2	1520.7	1507.0	1520.7	1534.2	1537.6	1558.6	1586.7	1600.7	1623.9	1670.3
162.5°	1552.4	1542.2	1532.1	1542.2	1552.4	1554.9	1570.2	1590.5	1600.7	1620.2	1659.4
165°	1577.7	1568.4	1559.3	1568.4	1577.7	1580.0	1586.8	1596.1	1600.7	1614.7	1642.7
167.5°	1593.0	1588.7	1584.3	1588.7	1593.0	1594.2	1599.9	1607.7	1611.5	1620.8	1639.2
170°	1609.4	1605.1	1600.7	1605.1	1609.4	1610.5	1610.8	1611.3	1611.5	1620.8	1639.2
172.5°	1611.3	1610.3	1609.3	1610.3	1611.3	1611.5	1611.5	1611.5	1611.5	1618.8	1633.3
175°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1618.1	1613.7	1611.5	1616.1	1625.3
177.5°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1618.8	1615.4	1613.7	1617.4	1624.6
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935126

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2668.5	2660.7	2671.1	2642.4	2671.1	2660.7	2668.5	2686.8	2671.1	2681.6	2692.1
5°	2341.5	2328.4	2286.5	2252.5	2286.5	2328.4	2341.5	2396.4	2422.6	2469.7	2532.5
7.5°	2092.9	2082.4	2072.0	2051.0	2072.0	2082.4	2092.9	2108.6	2134.7	2176.6	2223.7
10°	2037.9	2040.6	2056.3	2053.6	2056.3	2040.6	2037.9	2032.7	2024.9	2032.7	2061.5
12.5°	2179.2	2202.8	2289.1	2283.9	2289.1	2202.8	2179.2	2074.6	2003.9	1990.9	1996.1
15°	2341.5	2349.3	2367.7	2370.3	2367.7	2349.3	2341.5	2299.6	2087.6	1996.1	1967.3
17.5°	2357.2	2359.8	2372.9	2372.9	2372.9	2359.8	2357.2	2338.9	2268.2	2145.2	1983.0
20°	2344.1	2349.3	2375.5	2380.7	2375.5	2349.3	2344.1	2320.6	2281.2	2236.8	2113.8
22.5°	2338.9	2349.3	2370.3	2367.7	2370.3	2349.3	2338.9	2302.2	2268.2	2236.8	2187.1
25°	2312.7	2312.7	2315.3	2318.0	2315.3	2312.7	2312.7	2283.9	2215.8	2208.0	2179.2
27.5°	2257.7	2262.9	2278.6	2276.0	2278.6	2262.9	2257.7	2247.2	2174.0	2166.1	2145.2
30°	2208.0	2202.8	2189.7	2179.2	2189.7	2202.8	2208.0	2192.3	2119.0	2098.1	2103.3
32.5°	2124.3	2111.2	2098.1	2090.3	2098.1	2111.2	2124.3	2119.0	2064.1	2035.3	2040.6
35°	2024.9	2027.5	2024.9	2017.0	2024.9	2027.5	2024.9	2030.1	1996.1	1969.9	1967.3
37.5°	1954.2	1959.5	1956.8	1946.4	1956.8	1959.5	1954.2	1949.0	1901.9	1894.1	1899.3
40°	1881.0	1883.6	1881.0	1873.1	1881.0	1883.6	1881.0	1870.5	1805.1	1807.7	1826.0
42.5°	1810.3	1807.7	1799.9	1794.6	1799.9	1807.7	1810.3	1794.6	1710.9	1703.1	1737.1
45°	1729.2	1731.9	1716.2	1708.3	1716.2	1731.9	1729.2	1718.8	1632.4	1611.5	1635.1
47.5°	1648.1	1648.1	1635.1	1627.2	1635.1	1648.1	1648.1	1635.1	1543.5	1522.6	1535.7
50°	1561.8	1559.2	1540.9	1538.3	1540.9	1559.2	1561.8	1554.0	1457.2	1438.9	1438.9
52.5°	1462.4	1462.4	1465.0	1470.2	1465.0	1462.4	1462.4	1465.0	1378.7	1360.4	1355.1
55°	1376.1	1378.7	1397.0	1402.2	1397.0	1378.7	1376.1	1376.1	1297.6	1279.3	1268.8
57.5°	1287.1	1287.1	1300.2	1300.2	1300.2	1287.1	1287.1	1281.9	1206.0	1190.3	1185.1
60°	1185.1	1190.3	1200.8	1198.2	1200.8	1190.3	1185.1	1179.9	1114.5	1104.0	1085.7
62.5°	1077.8	1083.1	1085.7	1080.5	1085.7	1083.1	1077.8	1062.1	1022.9	1015.0	991.5
65°	965.3	970.6	973.2	968.0	973.2	970.6	965.3	957.5	928.7	915.6	894.7
67.5°	850.2	847.6	845.0	855.5	845.0	847.6	850.2	839.8	821.5	811.0	782.2
70°	732.5	732.5	729.9	735.1	729.9	732.5	732.5	724.7	714.2	706.3	680.2
72.5°	606.9	604.3	614.8	606.9	614.8	604.3	606.9	604.3	599.1	591.2	565.1
75°	484.0	489.2	484.0	491.8	484.0	489.2	484.0	486.6	484.0	478.7	460.4
77.5°	368.9	374.1	368.9	368.9	368.9	374.1	368.9	371.5	371.5	371.5	355.8
80°	261.6	259.0	259.0	256.4	259.0	259.0	261.6	261.6	264.2	259.0	253.8
82.5°	167.4	164.8	164.8	170.0	164.8	164.8	167.4	170.0	164.8	164.8	164.8
85°	91.6	94.2	88.9	88.9	88.9	94.2	91.6	86.3	91.6	91.6	88.9
87.5°	34.0	31.4	31.4	31.4	31.4	31.4	34.0	36.6	36.6	36.6	39.2
90°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1
92.5°	206.8	198.6	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9
95°	701.8	676.9	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7
97.5°	1620.2	1572.9	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2
100°	2275.3	2218.9	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3
102.5°	2834.6	2786.2	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6
105°	3487.5	3461.5	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6
107.5°	3827.0	3833.3	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4
110°	3914.0	3941.2	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3858.6	3900.2	4066.6	4232.9	4066.6	3900.2	3858.6	3225.3	2380.9	1958.7	1686.2
115°	3670.3	3727.9	3958.7	4189.3	3958.7	3727.9	3670.3	3060.2	2246.8	1840.1	1610.6
117.5°	3410.3	3474.2	3730.0	3985.9	3730.0	3474.2	3410.3	2859.7	2125.5	1758.5	1563.3
120°	3235.1	3297.2	3545.8	3794.4	3545.8	3297.2	3235.1	2732.0	2061.2	1725.8	1547.4
122.5°	3059.9	3121.2	3366.3	3611.5	3366.3	3121.2	3059.9	2606.9	2002.8	1700.8	1539.1
125°	2828.1	2884.5	3110.4	3336.2	3110.4	2884.5	2828.1	2443.3	1930.2	1673.6	1532.2
127.5°	2642.0	2689.6	2880.2	3070.8	2880.2	2689.6	2642.0	2311.6	1871.0	1650.8	1528.2
130°	2524.5	2568.6	2744.6	2920.6	2744.6	2568.6	2524.5	2230.4	1838.2	1642.0	1530.6
132.5°	2424.4	2463.8	2621.5	2779.2	2621.5	2463.8	2424.4	2161.1	1809.9	1634.4	1532.1
135°	2282.9	2316.9	2452.8	2588.7	2452.8	2316.9	2282.9	2062.4	1768.4	1621.4	1530.7
137.5°	2178.5	2206.3	2317.5	2428.8	2317.5	2206.3	2178.5	1992.1	1743.5	1619.2	1540.1
140°	2094.7	2120.7	2224.7	2328.7	2224.7	2120.7	2094.7	1933.6	1718.9	1611.5	1541.7
142.5°	2035.9	2058.3	2147.7	2237.2	2147.7	2058.3	2035.9	1894.5	1705.9	1611.5	1547.2
145°	1947.8	1964.7	2032.4	2100.1	2032.4	1964.7	1947.8	1832.1	1677.8	1600.7	1547.2
147.5°	1873.8	1887.9	1943.9	2000.0	1943.9	1887.9	1873.8	1782.8	1661.4	1600.7	1557.9
150°	1831.4	1842.7	1888.2	1933.6	1888.2	1842.7	1831.4	1754.4	1652.0	1600.7	1563.5
152.5°	1797.6	1806.2	1840.5	1874.9	1840.5	1806.2	1797.6	1731.9	1644.5	1600.7	1567.0
155°	1757.3	1763.0	1785.8	1808.5	1785.8	1763.0	1757.3	1705.1	1635.5	1600.7	1575.1
157.5°	1722.5	1726.5	1742.5	1758.5	1742.5	1726.5	1722.5	1681.9	1627.7	1600.7	1583.1
160°	1705.1	1707.4	1716.6	1725.8	1716.6	1707.4	1705.1	1670.3	1623.9	1600.7	1586.7
162.5°	1688.8	1691.0	1699.7	1708.4	1699.7	1691.0	1688.8	1659.4	1620.2	1600.7	1590.5
165°	1663.8	1666.0	1675.3	1684.4	1675.3	1666.0	1663.8	1642.7	1614.7	1600.7	1596.1
167.5°	1652.9	1653.9	1657.7	1661.6	1657.7	1653.9	1652.9	1639.2	1620.8	1611.5	1607.7
170°	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1639.2	1620.8	1611.5	1611.3
172.5°	1644.2	1643.3	1639.9	1636.5	1639.9	1643.3	1644.2	1633.3	1618.8	1611.5	1611.5
175°	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1625.3	1616.1	1611.5	1613.7
177.5°	1630.0	1629.0	1625.2	1621.4	1625.2	1629.0	1630.0	1624.6	1617.4	1613.7	1615.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2731.3	2744.4	2752.2	2762.7	2788.9
5°	2626.7	2676.4	2692.1	2731.3	2778.4
7.5°	2396.4	2548.2	2590.0	2684.2	2757.5
10°	2174.0	2325.8	2399.1	2621.4	2731.3
12.5°	2061.5	2150.4	2200.1	2511.5	2694.7
15°	1990.9	2053.6	2090.3	2365.0	2652.8
17.5°	1935.9	1980.4	2006.6	2221.1	2595.3
20°	1901.9	1922.8	1946.4	2116.4	2529.9
22.5°	1878.4	1865.3	1883.6	2043.2	2440.9
25°	1862.7	1813.0	1833.9	1985.6	2336.3
27.5°	1875.7	1765.9	1773.7	1933.3	2226.3
30°	1878.4	1708.3	1710.9	1878.4	2103.3
32.5°	1860.0	1648.1	1650.8	1810.3	1964.7
35°	1815.6	1577.5	1574.9	1731.9	1776.3
37.5°	1755.4	1501.6	1501.6	1645.5	1569.7
40°	1682.2	1425.8	1433.6	1533.0	1386.5
42.5°	1593.2	1344.7	1355.1	1383.9	1250.5
45°	1496.4	1266.2	1274.0	1169.4	1145.9
47.5°	1389.2	1185.1	1187.7	970.6	1111.8
50°	1261.0	1101.4	1090.9	831.9	1109.2
52.5°	1148.5	1009.8	978.4	753.4	1007.2
55°	1038.6	913.0	845.0	693.3	933.9
57.5°	941.8	787.4	722.0	622.6	918.3
60°	852.8	664.5	614.8	546.8	842.4
62.5°	779.6	572.9	562.5	494.4	763.9
65°	701.1	510.1	507.5	450.0	648.8
67.5°	625.2	468.3	465.7	408.1	494.4
70°	544.1	423.8	418.6	363.6	366.3
72.5°	460.4	374.1	368.9	327.0	303.5
75°	376.7	316.5	313.9	285.2	245.9
77.5°	295.6	251.1	256.4	230.2	180.5
80°	211.9	183.1	188.4	164.8	136.0
82.5°	141.3	120.3	125.6	104.6	91.6
85°	78.5	68.0	70.6	54.9	41.9
87.5°	36.6	31.4	31.4	20.9	13.1
90°	47.9	30.4	28.3	19.6	10.9
92.5°	295.3	210.0	191.5	117.5	43.5
95°	726.5	409.2	375.3	239.9	104.5
97.5°	978.6	449.4	419.5	300.1	180.6
100°	1070.3	483.1	456.0	347.7	239.4
102.5°	1112.5	516.9	491.6	390.5	289.4
105°	1143.7	566.9	545.5	459.9	374.4
107.5°	1149.4	640.9	621.0	541.2	461.4
110°	1140.7	682.3	664.2	592.2	520.2



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CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1141.1	732.3	715.2	646.5	577.8
115°	1151.6	807.4	791.5	728.2	664.8
117.5°	1173.1	880.3	865.9	808.4	750.8
120°	1190.5	922.8	909.3	855.0	800.9
122.5°	1215.5	972.8	959.2	904.6	849.9
125°	1249.2	1037.0	1024.6	974.8	925.0
127.5°	1282.9	1099.0	1086.5	1036.2	985.8
130°	1307.6	1140.4	1126.8	1072.7	1018.5
132.5°	1327.5	1174.1	1160.6	1106.4	1052.3
135°	1349.3	1213.3	1201.0	1151.6	1102.3
137.5°	1381.9	1263.3	1251.1	1202.3	1153.4
140°	1401.9	1297.1	1285.8	1240.9	1195.9
142.5°	1418.5	1322.1	1311.7	1270.1	1228.5
145°	1440.3	1360.2	1351.1	1314.9	1278.6
147.5°	1472.3	1408.1	1399.3	1363.9	1328.6
150°	1489.0	1433.1	1425.1	1393.2	1361.2
152.5°	1499.8	1449.4	1443.4	1419.1	1395.0
155°	1523.8	1485.3	1480.9	1462.9	1445.0
157.5°	1547.8	1521.3	1516.9	1499.5	1482.0
160°	1558.6	1537.6	1534.2	1520.7	1507.0
162.5°	1570.2	1554.9	1552.4	1542.2	1532.1
165°	1586.8	1580.0	1577.7	1568.4	1559.3
167.5°	1599.9	1594.2	1593.0	1588.7	1584.3
170°	1610.8	1610.5	1609.4	1605.1	1600.7
172.5°	1611.5	1611.5	1611.3	1610.3	1609.3
175°	1618.1	1621.4	1621.4	1621.4	1621.4
177.5°	1618.8	1621.4	1621.4	1621.4	1621.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4



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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	11.33	12.11	12.36	13.15	14.55	14.18	14.96	15.21	16.00	17.40
	3H	11.80	12.50	12.84	13.55	14.97	15.53	16.23	16.57	17.28	18.70
	4H	11.99	12.65	13.04	13.70	15.13	15.97	16.64	17.03	17.69	19.11
	6H	12.10	12.71	13.17	13.77	15.21	16.26	16.87	17.32	17.93	19.36
	8H	12.10	12.68	13.17	13.75	15.19	16.33	16.92	17.40	17.99	19.42
	12H	12.07	12.62	13.14	13.69	15.15	16.37	16.93	17.45	17.99	19.45
4H	2H	12.36	13.02	13.42	14.07	15.50	14.58	15.24	15.64	16.30	17.72
	3H	13.38	13.93	14.45	15.01	16.45	16.08	16.64	17.15	17.72	19.16
	4H	13.65	14.16	14.73	15.23	16.69	16.61	17.12	17.69	18.19	19.65
	6H	13.77	14.21	14.86	15.30	16.75	16.98	17.42	18.07	18.51	19.96
	8H	13.77	14.18	14.86	15.27	16.74	17.09	17.49	18.17	18.58	20.05
	12H	13.74	14.11	14.84	15.20	16.68	17.14	17.51	18.25	18.61	20.09
8H	4H	14.10	14.51	15.19	15.59	17.06	16.73	17.14	17.82	18.22	19.69
	6H	14.36	14.69	15.47	15.82	17.29	17.17	17.51	18.28	18.63	20.10
	8H	14.40	14.70	15.52	15.80	17.29	17.32	17.62	18.44	18.73	20.22
	12H	14.38	14.64	15.50	15.75	17.27	17.42	17.68	18.54	18.79	20.31
12H	4H	14.10	14.47	15.21	15.57	17.05	16.69	17.06	17.79	18.16	19.63
	6H	14.42	14.71	15.53	15.82	17.31	17.17	17.46	18.28	18.57	20.06
	8H	14.48	14.74	15.60	15.85	17.37	17.33	17.59	18.45	18.69	20.22