

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: P935127

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935127
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

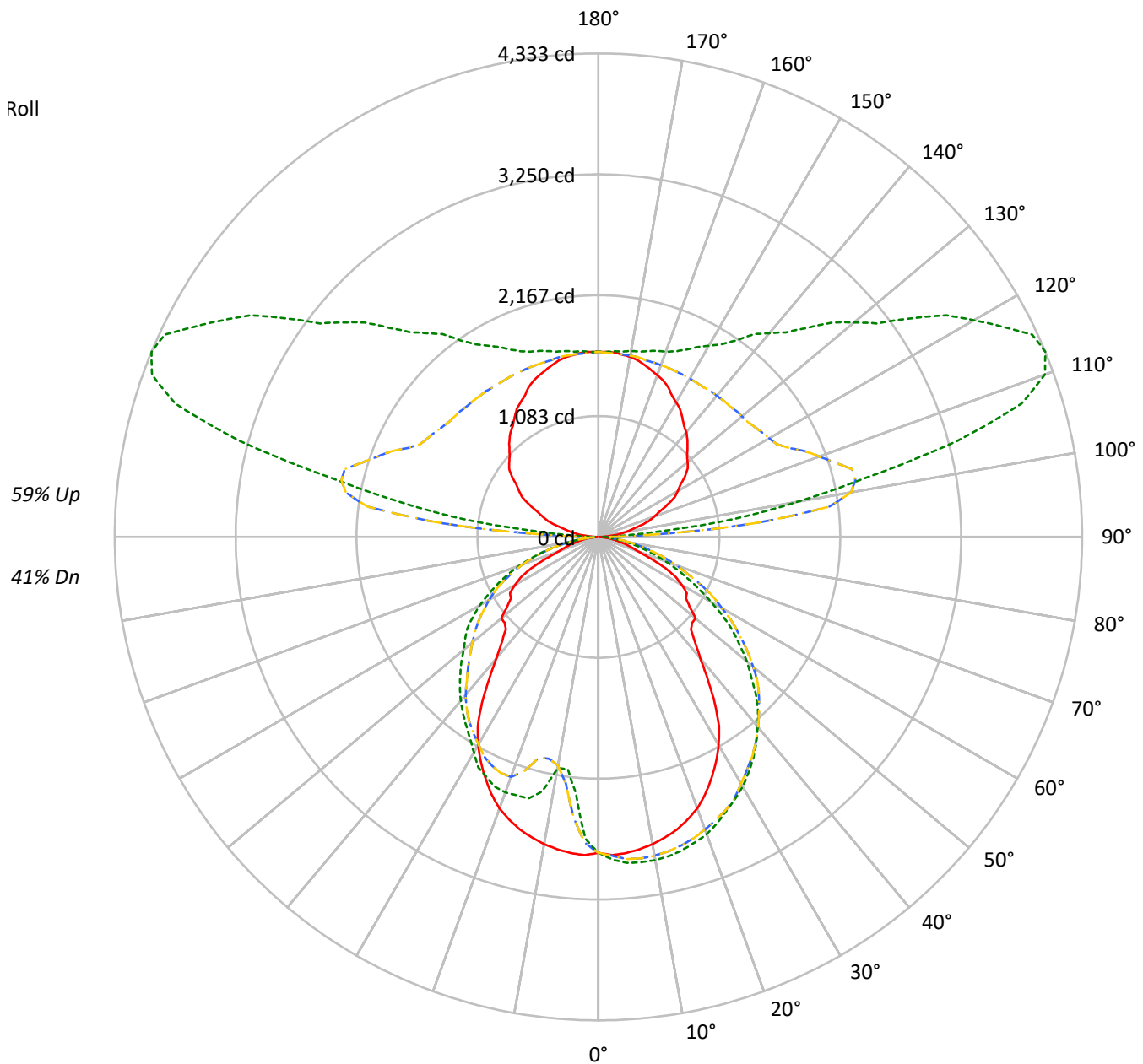
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18104.0 lumens
Efficiency: N/A
Efficacy: 122.7 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°	8755	8755	8755	8755
5°	8824	8838	8824	6949
10°	8768	8706	8768	6224
15°	8676	8517	8676	7112
20°	8498	8294	8498	7127
25°	8130	7968	8130	6976
30°	7653	7697	7653	6644
35°	6826	7355	6826	6280
40°	5691	6952	5691	6004
45°	5088	6480	5088	5688
50°	5410	5918	5410	5370
55°	5095	5312	5095	5186
60°	5258	4512	5258	4750
65°	4775	3730	4775	4169
70°	3315	2972	3315	3495
75°	2917	2197	2917	2631
80°	2368	1452	2368	1581
85°	1387	769	1387	654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	1.4
10°-20°	725.5	4.0
20°-30°	1121.4	6.2
30°-40°	1338.7	7.4
40°-50°	1346.6	7.4
50°-60°	1171.7	6.5
60°-70°	830.7	4.6
70°-80°	439.5	2.4
80°-90°	115.8	0.6
90°-100°	809.0	4.5
100°-110°	2126.9	11.7
110°-120°	2205.3	12.2
120°-130°	1768.9	9.8
130°-140°	1388.0	7.7
140°-150°	1065.3	5.9
150°-160°	767.2	4.2
160°-170°	469.4	2.6
170°-180°	158.6	0.9
0°-30°	2102.4	11.6
0°-40°	3441.1	19.0
0°-60°	5959.3	32.9
0°-90°	7345.4	40.6
90°-120°	5141.2	28.4
90°-150°	9363.4	51.7
90°-180°	10759.0	59.4
0°-180°	18104.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2831	2831	2831	2831	2831	
5°	2844	2932	2844	2306	2844	270
15°	2715	2906	2715	2426	2715	764
25°	2391	2710	2391	2373	2391	1098
35°	1818	2418	1818	2065	1818	1125
45°	1173	1992	1173	1749	1173	940
55°	956	1470	956	1435	956	878
65°	664	886	664	991	664	635
75°	252	420	252	503	252	265
85°	43	107	43	91	43	58
90°	11	42	11	42	11	11
95°	107	489	107	489	107	119
105°	383	3330	383	3330	383	406
115°	680	4288	680	4288	680	672
125°	947	3415	947	3415	947	841
135°	1128	2650	1128	2650	1128	873
145°	1309	2150	1309	2150	1309	820
155°	1479	1851	1479	1851	1479	680
165°	1596	1724	1596	1724	1596	450
175°	1660	1671	1660	1671	1660	158
180°	1660	1660	1660	1660	1660	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2854.7	2854.7	2870.8	2876.1	2876.1	2868.1	2860.0	2868.1	2892.2	2900.2	2897.5
5°	2844.0	2865.4	2894.9	2900.2	2905.6	2902.9	2897.5	2902.9	2929.7	2935.0	2937.7
7.5°	2822.6	2862.7	2900.2	2908.2	2916.3	2908.2	2905.6	2910.9	2937.7	2943.1	2943.1
10°	2795.8	2852.0	2894.9	2900.2	2908.2	2900.2	2900.2	2910.9	2937.7	2943.1	2945.7
12.5°	2758.3	2835.9	2876.1	2881.5	2892.2	2889.5	2886.8	2897.5	2924.3	2929.7	2929.7
15°	2715.4	2806.5	2844.0	2849.3	2868.1	2862.7	2862.7	2873.4	2902.9	2910.9	2908.2
17.5°	2656.5	2769.0	2811.8	2819.9	2833.3	2830.6	2833.3	2844.0	2870.8	2876.1	2878.8
20°	2589.6	2718.1	2769.0	2777.0	2790.4	2790.4	2790.4	2803.8	2830.6	2841.3	2841.3
22.5°	2498.5	2664.6	2718.1	2723.5	2739.5	2739.5	2744.9	2763.6	2787.7	2790.4	2790.4
25°	2391.4	2605.6	2651.2	2667.2	2683.3	2691.3	2699.4	2710.1	2718.1	2715.4	2718.1
27.5°	2278.9	2530.7	2589.6	2600.3	2621.7	2629.7	2640.5	2643.1	2645.8	2653.8	2648.5
30°	2153.0	2426.2	2514.6	2525.3	2560.1	2565.5	2554.8	2560.1	2573.5	2578.9	2584.2
32.5°	2011.1	2270.8	2436.9	2461.0	2493.2	2477.1	2474.4	2482.5	2503.9	2503.9	2509.2
35°	1818.3	2150.3	2364.6	2386.1	2410.2	2391.4	2402.1	2404.8	2418.2	2426.2	2423.6
37.5°	1606.7	2045.9	2289.6	2305.6	2324.4	2300.3	2316.3	2324.4	2335.1	2329.7	2329.7
40°	1419.3	1882.5	2201.2	2211.9	2228.0	2209.2	2225.3	2230.7	2236.0	2230.7	2228.0
42.5°	1280.0	1703.1	2107.5	2120.9	2110.2	2123.5	2128.9	2139.6	2131.6	2120.9	2120.9
45°	1172.9	1654.9	2005.7	2021.8	2005.7	2027.1	2035.2	2035.2	2011.1	2005.7	2003.0
47.5°	1138.1	1558.5	1904.0	1904.0	1895.9	1922.7	1936.1	1917.3	1893.2	1885.2	1885.2
50°	1135.4	1451.4	1764.7	1754.0	1791.5	1823.6	1810.2	1791.5	1772.7	1743.3	1743.3
52.5°	1031.0	1320.2	1585.3	1625.5	1684.4	1703.1	1681.7	1663.0	1630.8	1617.4	1606.7
55°	956.0	1183.6	1421.9	1502.3	1563.9	1588.0	1547.8	1529.1	1480.9	1472.8	1467.5
57.5°	939.9	985.5	1272.0	1373.7	1448.7	1446.0	1421.9	1387.1	1347.0	1338.9	1336.3
60°	862.3	712.3	1111.3	1231.8	1309.5	1301.4	1280.0	1247.9	1210.4	1205.0	1199.7
62.5°	781.9	516.8	929.2	1065.8	1175.6	1172.9	1154.2	1106.0	1079.2	1065.8	1055.1
65°	664.1	433.8	661.4	886.4	1044.4	1049.7	1009.6	974.7	945.3	929.2	926.5
67.5°	506.1	353.5	447.2	739.1	918.5	913.2	862.3	846.2	808.7	800.7	784.6
70°	374.9	235.7	310.6	599.8	795.3	781.9	741.8	723.0	688.2	669.5	658.8
72.5°	310.6	190.1	227.6	465.9	669.5	653.4	618.6	597.2	567.7	551.6	540.9
75°	251.7	200.8	174.1	345.4	543.6	532.9	500.8	479.3	455.2	433.8	436.5
77.5°	184.8	187.5	139.2	254.4	431.1	415.1	396.3	369.5	358.8	337.4	337.4
80°	139.2	147.3	104.4	174.1	310.6	310.6	294.6	275.8	257.1	246.4	246.4
82.5°	93.7	93.7	77.7	109.8	211.6	203.5	192.8	187.5	176.7	171.4	171.4
85°	42.8	53.6	48.2	66.9	115.1	120.5	120.5	115.1	112.5	107.1	109.8
87.5°	13.4	24.1	29.5	37.5	58.9	61.6	64.3	64.3	64.3	66.9	66.9
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0	211.6	203.2
95°	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4	718.4	692.9
97.5°	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7	1658.5	1610.0
100°	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7	2329.0	2271.3
102.5°	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3	2901.6	2852.0
105°	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7	3569.9	3543.3
107.5°	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8	3917.4	3923.8
110°	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0	4006.4	4034.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4	3949.7	3992.2
115°	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5	3756.9	3816.0
117.5°	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2	3490.8	3556.2
120°	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5	3311.4	3375.1
122.5°	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4	3132.1	3194.9
125°	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9	2894.9	2952.6
127.5°	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2	2704.4	2753.1
130°	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1	2584.1	2629.2
132.5°	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1	2481.7	2522.0
135°	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0	2336.8	2371.6
137.5°	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1	2229.9	2258.4
140°	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3	2144.2	2170.8
142.5°	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2	2084.0	2106.9
145°	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3	1993.8	2011.1
147.5°	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9	1918.1	1932.4
150°	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9	1874.6	1886.2
152.5°	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8	1840.0	1848.8
155°	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3	1798.8	1804.6
157.5°	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6	1763.2	1767.3
160°	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7	1745.3	1747.7
162.5°	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6	1728.6	1730.9
165°	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5	1703.0	1705.4
167.5°	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9	1692.0	1692.9
170°	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9	1692.0	1692.0
172.5°	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9	1683.0	1682.1
175°	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7	1670.7	1670.7
177.5°	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0	1668.5	1667.5
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2902.9	2894.9	2902.9	2897.5	2900.2	2892.2	2868.1	2860.0	2868.1	2876.1	2876.1
5°	2937.7	2932.3	2937.7	2937.7	2935.0	2929.7	2902.9	2897.5	2902.9	2905.6	2900.2
7.5°	2948.4	2940.4	2948.4	2943.1	2943.1	2937.7	2910.9	2905.6	2908.2	2916.3	2908.2
10°	2948.4	2940.4	2948.4	2945.7	2943.1	2937.7	2910.9	2900.2	2900.2	2908.2	2900.2
12.5°	2935.0	2929.7	2935.0	2929.7	2929.7	2924.3	2897.5	2886.8	2889.5	2892.2	2881.5
15°	2913.6	2905.6	2913.6	2908.2	2910.9	2902.9	2873.4	2862.7	2862.7	2868.1	2849.3
17.5°	2881.5	2870.8	2881.5	2878.8	2876.1	2870.8	2844.0	2833.3	2830.6	2833.3	2819.9
20°	2844.0	2835.9	2844.0	2841.3	2841.3	2830.6	2803.8	2790.4	2790.4	2790.4	2777.0
22.5°	2785.1	2777.0	2785.1	2790.4	2790.4	2787.7	2763.6	2744.9	2739.5	2739.5	2723.5
25°	2718.1	2710.1	2718.1	2718.1	2715.4	2718.1	2710.1	2699.4	2691.3	2683.3	2667.2
27.5°	2653.8	2648.5	2653.8	2648.5	2653.8	2645.8	2643.1	2640.5	2629.7	2621.7	2600.3
30°	2589.6	2584.2	2589.6	2584.2	2578.9	2573.5	2560.1	2554.8	2565.5	2560.1	2525.3
32.5°	2509.2	2503.9	2509.2	2509.2	2503.9	2503.9	2482.5	2474.4	2477.1	2493.2	2461.0
35°	2426.2	2418.2	2426.2	2423.6	2426.2	2418.2	2404.8	2402.1	2391.4	2410.2	2386.1
37.5°	2329.7	2321.7	2329.7	2329.7	2329.7	2335.1	2324.4	2316.3	2300.3	2324.4	2305.6
40°	2230.7	2219.9	2230.7	2228.0	2230.7	2236.0	2230.7	2225.3	2209.2	2228.0	2211.9
42.5°	2118.2	2115.5	2118.2	2120.9	2120.9	2131.6	2139.6	2128.9	2123.5	2110.2	2120.9
45°	1997.7	1992.3	1997.7	2003.0	2005.7	2011.1	2035.2	2035.2	2027.1	2005.7	2021.8
47.5°	1869.1	1855.8	1869.1	1885.2	1885.2	1893.2	1917.3	1936.1	1922.7	1895.9	1904.0
50°	1732.6	1735.3	1732.6	1743.3	1743.3	1772.7	1791.5	1810.2	1823.6	1791.5	1754.0
52.5°	1598.7	1596.0	1598.7	1606.7	1617.4	1630.8	1663.0	1681.7	1703.1	1684.4	1625.5
55°	1464.8	1470.1	1464.8	1467.5	1472.8	1480.9	1529.1	1547.8	1588.0	1563.9	1502.3
57.5°	1330.9	1322.9	1330.9	1336.3	1338.9	1347.0	1387.1	1421.9	1446.0	1448.7	1373.7
60°	1175.6	1164.9	1175.6	1199.7	1205.0	1210.4	1247.9	1280.0	1301.4	1309.5	1231.8
62.5°	1039.0	1020.3	1039.0	1055.1	1065.8	1079.2	1106.0	1154.2	1172.9	1175.6	1065.8
65°	894.4	886.4	894.4	926.5	929.2	945.3	974.7	1009.6	1049.7	1044.4	886.4
67.5°	763.2	763.2	763.2	784.6	800.7	808.7	846.2	862.3	913.2	918.5	739.1
70°	642.7	640.0	642.7	658.8	669.5	688.2	723.0	741.8	781.9	795.3	599.8
72.5°	527.5	524.9	527.5	540.9	551.6	567.7	597.2	618.6	653.4	669.5	465.9
75°	425.8	420.4	425.8	436.5	433.8	455.2	479.3	500.8	532.9	543.6	345.4
77.5°	326.7	326.7	326.7	337.4	337.4	358.8	369.5	396.3	415.1	431.1	254.4
80°	243.7	241.0	243.7	246.4	246.4	257.1	275.8	294.6	310.6	310.6	174.1
82.5°	171.4	166.0	171.4	171.4	171.4	176.7	187.5	192.8	203.5	211.6	109.8
85°	107.1	107.1	107.1	109.8	107.1	112.5	115.1	120.5	120.5	115.1	66.9
87.5°	69.6	66.9	69.6	66.9	66.9	64.3	64.3	64.3	61.6	58.9	37.5
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5	302.2	214.9
95°	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8	743.6	418.8
97.5°	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9	1001.7	460.1
100°	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1	1095.6	494.5
102.5°	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6	1138.7	529.1
105°	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8	1170.7	580.3
107.5°	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6	1176.6	656.1
110°	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4	1167.6	698.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0	1168.1	749.6
115°	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6	1178.8	826.5
117.5°	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2	1200.8	901.1
120°	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0	1218.6	944.6
122.5°	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4	1244.2	995.8
125°	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3	1278.7	1061.5
127.5°	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2	1313.2	1125.0
130°	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7	1338.5	1167.3
132.5°	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2	1358.8	1201.8
135°	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8	1381.2	1241.9
137.5°	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5	1414.5	1293.1
140°	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1	1435.0	1327.7
142.5°	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7	1452.0	1353.3
145°	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8	1474.3	1392.3
147.5°	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7	1507.0	1441.3
150°	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4	1524.1	1466.9
152.5°	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0	1535.2	1483.6
155°	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3	1559.8	1520.4
157.5°	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5	1584.3	1557.2
160°	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1	1595.4	1573.9
162.5°	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0	1607.3	1591.6
165°	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8	1624.3	1617.2
167.5°	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6	1637.7	1631.8
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3	1648.8	1648.5
172.5°	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8	1656.3	1659.6
177.5°	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6	1657.1	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2870.8	2854.7	2854.7	2827.9	2817.2	2809.2	2795.8	2755.6	2744.9	2734.2	2750.3
5°	2894.9	2865.4	2844.0	2795.8	2755.6	2739.5	2688.7	2592.3	2528.0	2479.8	2453.0
7.5°	2900.2	2862.7	2822.6	2747.6	2651.2	2608.3	2453.0	2276.2	2228.0	2185.1	2158.4
10°	2894.9	2852.0	2795.8	2683.3	2455.7	2380.7	2225.3	2110.2	2080.7	2072.7	2080.7
12.5°	2876.1	2835.9	2758.3	2570.8	2252.1	2201.2	2110.2	2043.2	2037.9	2051.2	2123.5
15°	2844.0	2806.5	2715.4	2420.9	2139.6	2102.1	2037.9	2013.8	2043.2	2136.9	2353.8
17.5°	2811.8	2769.0	2656.5	2273.5	2053.9	2027.1	1981.6	2029.8	2195.8	2321.7	2394.1
20°	2769.0	2718.1	2589.6	2166.4	1992.3	1968.2	1946.8	2163.7	2289.6	2335.1	2375.4
22.5°	2718.1	2664.6	2498.5	2091.4	1928.1	1909.3	1922.7	2238.7	2289.6	2321.7	2356.5
25°	2651.2	2605.6	2391.4	2032.5	1877.2	1855.8	1906.6	2230.7	2260.1	2268.1	2337.8
27.5°	2589.6	2530.7	2278.9	1978.9	1815.6	1807.6	1920.0	2195.8	2217.3	2225.3	2300.3
30°	2514.6	2426.2	2153.0	1922.7	1751.3	1748.6	1922.7	2153.0	2147.6	2169.1	2244.0
32.5°	2436.9	2270.8	2011.1	1853.1	1689.7	1687.1	1904.0	2088.7	2083.4	2112.8	2169.1
35°	2364.6	2150.3	1818.3	1772.7	1612.1	1614.7	1858.4	2013.8	2016.4	2043.2	2078.0
37.5°	2289.6	2045.9	1606.7	1684.4	1537.1	1537.1	1796.8	1944.1	1938.8	1946.8	1995.0
40°	2201.2	1882.5	1419.3	1569.2	1467.5	1459.4	1721.9	1869.1	1850.4	1847.7	1914.7
42.5°	2107.5	1703.1	1280.0	1416.6	1387.1	1376.4	1630.8	1778.1	1743.3	1751.3	1837.0
45°	2005.7	1654.9	1172.9	1197.0	1304.1	1296.1	1531.7	1673.7	1649.6	1671.0	1759.4
47.5°	1904.0	1558.5	1138.1	993.5	1215.7	1213.1	1421.9	1571.9	1558.5	1579.9	1673.7
50°	1764.7	1451.4	1135.4	851.6	1116.7	1127.4	1290.7	1472.8	1472.8	1491.6	1590.6
52.5°	1585.3	1320.2	1031.0	771.2	1001.5	1033.7	1175.6	1387.1	1392.5	1411.2	1499.6
55°	1421.9	1183.6	956.0	709.6	864.9	934.6	1063.1	1298.8	1309.5	1328.2	1408.6
57.5°	1272.0	985.5	939.9	637.3	739.1	806.0	964.0	1213.1	1218.4	1234.5	1312.2
60°	1111.3	712.3	862.3	559.7	629.3	680.2	873.0	1111.3	1130.1	1140.8	1207.7
62.5°	929.2	516.8	781.9	506.1	575.7	586.5	798.0	1014.9	1039.0	1047.0	1087.2
65°	661.4	433.8	664.1	460.6	519.5	522.2	717.7	915.8	937.3	950.6	980.1
67.5°	447.2	353.5	506.1	417.7	476.7	479.3	640.0	800.7	830.1	840.8	859.6
70°	310.6	235.7	374.9	372.2	428.5	433.8	557.0	696.2	723.0	731.1	741.8
72.5°	227.6	190.1	310.6	334.7	377.6	382.9	471.3	578.4	605.2	613.2	618.6
75°	174.1	200.8	251.7	291.9	321.3	324.0	385.6	471.3	490.0	495.4	498.1
77.5°	139.2	187.5	184.8	235.7	262.4	257.1	302.6	364.2	380.3	380.3	380.3
80°	104.4	147.3	139.2	168.7	192.8	187.5	216.9	259.8	265.1	270.5	267.8
82.5°	77.7	93.7	93.7	107.1	128.5	123.2	144.6	168.7	168.7	168.7	174.1
85°	48.2	53.6	42.8	56.2	72.3	69.6	80.3	91.0	93.7	93.7	88.4
87.5°	29.5	24.1	13.4	21.4	32.1	32.1	37.5	40.2	37.5	37.5	37.5
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.7	417.8	300.0
95°	384.2	245.6	106.9	245.6	384.2	418.8	743.6	1176.8	1393.4	1243.4	943.4
97.5°	429.4	307.2	184.9	307.2	429.4	460.1	1001.7	1723.9	2085.1	1990.3	1800.7
100°	466.8	355.9	245.0	355.9	466.8	494.5	1095.6	1897.1	2297.9	2304.8	2318.7
102.5°	503.2	399.7	296.3	399.7	503.2	529.1	1138.7	1951.6	2358.0	2478.8	2720.3
105°	558.4	470.8	383.2	470.8	558.4	580.3	1170.7	1957.8	2351.3	2622.2	3163.7
107.5°	635.6	554.0	472.3	554.0	635.6	656.1	1176.6	1870.6	2217.6	2595.4	3350.8
110°	679.9	606.2	532.4	606.2	679.9	698.4	1167.6	1793.4	2106.2	2528.5	3373.0



TEST NUMBER: P935127

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	732.0	661.8	591.5	661.8	732.0	749.6	1168.1	1726.0	2004.9	2437.1	3301.4
115°	810.2	745.4	680.5	745.4	810.2	826.5	1178.8	1648.6	1883.5	2299.8	3132.5
117.5°	886.4	827.5	768.5	827.5	886.4	901.1	1200.8	1600.2	1800.0	2175.7	2927.2
120°	930.7	875.2	819.8	875.2	930.7	944.6	1218.6	1584.0	1766.6	2109.9	2796.5
122.5°	981.8	925.9	869.9	925.9	981.8	995.8	1244.2	1575.4	1741.0	2050.1	2668.4
125°	1048.7	997.8	946.8	997.8	1048.7	1061.5	1278.7	1568.3	1713.1	1975.7	2500.9
127.5°	1112.1	1060.6	1009.1	1060.6	1112.1	1125.0	1313.2	1564.2	1689.7	1915.2	2366.2
130°	1153.4	1098.0	1042.6	1098.0	1153.4	1167.3	1338.5	1566.7	1680.8	1881.6	2283.1
132.5°	1188.0	1132.6	1077.1	1132.6	1188.0	1201.8	1358.8	1568.2	1672.9	1852.6	2212.1
135°	1229.3	1178.8	1128.4	1178.8	1229.3	1241.9	1381.2	1566.8	1659.6	1810.1	2111.0
137.5°	1280.6	1230.7	1180.7	1230.7	1280.6	1293.1	1414.5	1576.5	1657.4	1784.6	2039.1
140°	1316.2	1270.2	1224.1	1270.2	1316.2	1327.7	1435.0	1578.1	1649.6	1759.4	1979.3
142.5°	1342.7	1300.1	1257.5	1300.1	1342.7	1353.3	1452.0	1583.7	1649.6	1746.1	1939.2
145°	1383.0	1345.9	1308.8	1345.9	1383.0	1392.3	1474.3	1583.8	1638.5	1717.4	1875.3
147.5°	1432.3	1396.1	1360.0	1396.1	1432.3	1441.3	1507.0	1594.7	1638.5	1700.6	1824.9
150°	1458.7	1426.0	1393.4	1426.0	1458.7	1466.9	1524.1	1600.4	1638.5	1691.0	1795.9
152.5°	1477.5	1452.6	1427.9	1452.6	1477.5	1483.6	1535.2	1604.0	1638.5	1683.3	1772.8
155°	1515.8	1497.5	1479.2	1497.5	1515.8	1520.4	1559.8	1612.3	1638.5	1674.1	1745.3
157.5°	1552.7	1534.9	1517.0	1534.9	1552.7	1557.2	1584.3	1620.5	1638.5	1666.2	1721.6
160°	1570.4	1556.6	1542.6	1556.6	1570.4	1573.9	1595.4	1624.1	1638.5	1662.2	1709.7
162.5°	1589.0	1578.6	1568.2	1578.6	1589.0	1591.6	1607.3	1628.0	1638.5	1658.5	1698.6
165°	1614.9	1605.5	1596.1	1605.5	1614.9	1617.2	1624.3	1633.8	1638.5	1652.9	1681.5
167.5°	1630.6	1626.2	1621.7	1626.2	1630.6	1631.8	1637.7	1645.6	1649.6	1659.0	1677.9
170°	1647.4	1643.0	1638.5	1643.0	1647.4	1648.5	1648.8	1649.3	1649.6	1659.0	1677.9
172.5°	1649.3	1648.3	1647.3	1648.3	1649.3	1649.6	1649.6	1649.6	1649.6	1657.0	1671.9
175°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1656.3	1651.8	1649.6	1654.3	1663.7
177.5°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1657.1	1653.6	1651.8	1655.5	1663.0
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935127

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2731.5	2723.5	2734.2	2704.7	2734.2	2723.5	2731.5	2750.3	2734.2	2744.9	2755.6
5°	2396.8	2383.4	2340.4	2305.6	2340.4	2383.4	2396.8	2453.0	2479.8	2528.0	2592.3
7.5°	2142.3	2131.6	2120.9	2099.4	2120.9	2131.6	2142.3	2158.4	2185.1	2228.0	2276.2
10°	2086.1	2088.7	2104.8	2102.1	2104.8	2088.7	2086.1	2080.7	2072.7	2080.7	2110.2
12.5°	2230.7	2254.8	2343.1	2337.8	2343.1	2254.8	2230.7	2123.5	2051.2	2037.9	2043.2
15°	2396.8	2404.8	2423.6	2426.2	2423.6	2404.8	2396.8	2353.8	2136.9	2043.2	2013.8
17.5°	2412.8	2415.5	2428.9	2428.9	2428.9	2415.5	2412.8	2394.1	2321.7	2195.8	2029.8
20°	2399.5	2404.8	2431.6	2436.9	2431.6	2404.8	2399.5	2375.4	2335.1	2289.6	2163.7
22.5°	2394.1	2404.8	2426.2	2423.6	2426.2	2404.8	2394.1	2356.5	2321.7	2289.6	2238.7
25°	2367.3	2367.3	2370.0	2372.7	2370.0	2367.3	2367.3	2337.8	2268.1	2260.1	2230.7
27.5°	2311.0	2316.3	2332.4	2329.7	2332.4	2316.3	2311.0	2300.3	2225.3	2217.3	2195.8
30°	2260.1	2254.8	2241.4	2230.7	2241.4	2254.8	2260.1	2244.0	2169.1	2147.6	2153.0
32.5°	2174.4	2161.0	2147.6	2139.6	2147.6	2161.0	2174.4	2169.1	2112.8	2083.4	2088.7
35°	2072.7	2075.3	2072.7	2064.6	2072.7	2075.3	2072.7	2078.0	2043.2	2016.4	2013.8
37.5°	2000.4	2005.7	2003.0	1992.3	2003.0	2005.7	2000.4	1995.0	1946.8	1938.8	1944.1
40°	1925.4	1928.1	1925.4	1917.3	1925.4	1928.1	1925.4	1914.7	1847.7	1850.4	1869.1
42.5°	1853.1	1850.4	1842.4	1837.0	1842.4	1850.4	1853.1	1837.0	1751.3	1743.3	1778.1
45°	1770.1	1772.7	1756.7	1748.6	1756.7	1772.7	1770.1	1759.4	1671.0	1649.6	1673.7
47.5°	1687.1	1687.1	1673.7	1665.6	1673.7	1687.1	1687.1	1673.7	1579.9	1558.5	1571.9
50°	1598.7	1596.0	1577.3	1574.6	1577.3	1596.0	1598.7	1590.6	1491.6	1472.8	1472.8
52.5°	1496.9	1496.9	1499.6	1505.0	1499.6	1496.9	1496.9	1499.6	1411.2	1392.5	1387.1
55°	1408.6	1411.2	1430.0	1435.3	1430.0	1411.2	1408.6	1408.6	1328.2	1309.5	1298.8
57.5°	1317.5	1317.5	1330.9	1330.9	1330.9	1317.5	1317.5	1312.2	1234.5	1218.4	1213.1
60°	1213.1	1218.4	1229.1	1226.5	1229.1	1218.4	1213.1	1207.7	1140.8	1130.1	1111.3
62.5°	1103.3	1108.6	1111.3	1106.0	1111.3	1108.6	1103.3	1087.2	1047.0	1039.0	1014.9
65°	988.1	993.5	996.2	990.8	996.2	993.5	988.1	980.1	950.6	937.3	915.8
67.5°	870.3	867.6	864.9	875.7	864.9	867.6	870.3	859.6	840.8	830.1	800.7
70°	749.8	749.8	747.1	752.5	747.1	749.8	749.8	741.8	731.1	723.0	696.2
72.5°	621.3	618.6	629.3	621.3	629.3	618.6	621.3	618.6	613.2	605.2	578.4
75°	495.4	500.8	495.4	503.4	495.4	500.8	495.4	498.1	495.4	490.0	471.3
77.5°	377.6	382.9	377.6	377.6	377.6	382.9	377.6	380.3	380.3	380.3	364.2
80°	267.8	265.1	265.1	262.4	265.1	265.1	267.8	267.8	270.5	265.1	259.8
82.5°	171.4	168.7	168.7	174.1	168.7	168.7	171.4	174.1	168.7	168.7	168.7
85°	93.7	96.4	91.0	91.0	91.0	96.4	93.7	88.4	93.7	93.7	91.0
87.5°	34.8	32.1	32.1	32.1	32.1	32.1	34.8	37.5	37.5	37.5	40.2
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	300.0	417.8	476.7	418.5
95°	718.4	692.9	590.9	489.0	590.9	692.9	718.4	943.4	1243.4	1393.4	1176.8
97.5°	1658.5	1610.0	1416.0	1221.9	1416.0	1610.0	1658.5	1800.7	1990.3	2085.1	1723.9
100°	2329.0	2271.3	2040.1	1808.9	2040.1	2271.3	2329.0	2318.7	2304.8	2297.9	1897.1
102.5°	2901.6	2852.0	2654.0	2456.0	2654.0	2852.0	2901.6	2720.3	2478.8	2358.0	1951.6
105°	3569.9	3543.3	3436.8	3330.4	3436.8	3543.3	3569.9	3163.7	2622.2	2351.3	1957.8
107.5°	3917.4	3923.8	3949.6	3975.3	3949.6	3923.8	3917.4	3350.8	2595.4	2217.6	1870.6
110°	4006.4	4034.2	4145.1	4256.0	4145.1	4034.2	4006.4	3373.0	2528.5	2106.2	1793.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3949.7	3992.2	4162.6	4332.9	4162.6	3992.2	3949.7	3301.4	2437.1	2004.9	1726.0
115°	3756.9	3816.0	4052.1	4288.2	4052.1	3816.0	3756.9	3132.5	2299.8	1883.5	1648.6
117.5°	3490.8	3556.2	3818.1	4080.0	3818.1	3556.2	3490.8	2927.2	2175.7	1800.0	1600.2
120°	3311.4	3375.1	3629.5	3884.0	3629.5	3375.1	3311.4	2796.5	2109.9	1766.6	1584.0
122.5°	3132.1	3194.9	3445.8	3696.8	3445.8	3194.9	3132.1	2668.4	2050.1	1741.0	1575.4
125°	2894.9	2952.6	3183.8	3415.0	3183.8	2952.6	2894.9	2500.9	1975.7	1713.1	1568.3
127.5°	2704.4	2753.1	2948.2	3143.3	2948.2	2753.1	2704.4	2366.2	1915.2	1689.7	1564.2
130°	2584.1	2629.2	2809.3	2989.6	2809.3	2629.2	2584.1	2283.1	1881.6	1680.8	1566.7
132.5°	2481.7	2522.0	2683.4	2844.8	2683.4	2522.0	2481.7	2212.1	1852.6	1672.9	1568.2
135°	2336.8	2371.6	2510.7	2649.8	2510.7	2371.6	2336.8	2111.0	1810.1	1659.6	1566.8
137.5°	2229.9	2258.4	2372.2	2486.1	2372.2	2258.4	2229.9	2039.1	1784.6	1657.4	1576.5
140°	2144.2	2170.8	2277.3	2383.7	2277.3	2170.8	2144.2	1979.3	1759.4	1649.6	1578.1
142.5°	2084.0	2106.9	2198.4	2290.0	2198.4	2106.9	2084.0	1939.2	1746.1	1649.6	1583.7
145°	1993.8	2011.1	2080.4	2149.7	2080.4	2011.1	1993.8	1875.3	1717.4	1638.5	1583.8
147.5°	1918.1	1932.4	1989.8	2047.2	1989.8	1932.4	1918.1	1824.9	1700.6	1638.5	1594.7
150°	1874.6	1886.2	1932.8	1979.3	1932.8	1886.2	1874.6	1795.9	1691.0	1638.5	1600.4
152.5°	1840.0	1848.8	1884.0	1919.1	1884.0	1848.8	1840.0	1772.8	1683.3	1638.5	1604.0
155°	1798.8	1804.6	1827.9	1851.2	1827.9	1804.6	1798.8	1745.3	1674.1	1638.5	1612.3
157.5°	1763.2	1767.3	1783.6	1800.0	1783.6	1767.3	1763.2	1721.6	1666.2	1638.5	1620.5
160°	1745.3	1747.7	1757.1	1766.6	1757.1	1747.7	1745.3	1709.7	1662.2	1638.5	1624.1
162.5°	1728.6	1730.9	1739.8	1748.7	1739.8	1730.9	1728.6	1698.6	1658.5	1638.5	1628.0
165°	1703.0	1705.4	1714.8	1724.2	1714.8	1705.4	1703.0	1681.5	1652.9	1638.5	1633.8
167.5°	1692.0	1692.9	1696.9	1700.8	1696.9	1692.9	1692.0	1677.9	1659.0	1649.6	1645.6
170°	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1692.0	1677.9	1659.0	1649.6	1649.3
172.5°	1683.0	1682.1	1678.7	1675.2	1678.7	1682.1	1683.0	1671.9	1657.0	1649.6	1649.6
175°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1663.7	1654.3	1649.6	1651.8
177.5°	1668.5	1667.5	1663.6	1659.6	1663.6	1667.5	1668.5	1663.0	1655.5	1651.8	1653.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2795.8	2809.2	2817.2	2827.9	2854.7
5°	2688.7	2739.5	2755.6	2795.8	2844.0
7.5°	2453.0	2608.3	2651.2	2747.6	2822.6
10°	2225.3	2380.7	2455.7	2683.3	2795.8
12.5°	2110.2	2201.2	2252.1	2570.8	2758.3
15°	2037.9	2102.1	2139.6	2420.9	2715.4
17.5°	1981.6	2027.1	2053.9	2273.5	2656.5
20°	1946.8	1968.2	1992.3	2166.4	2589.6
22.5°	1922.7	1909.3	1928.1	2091.4	2498.5
25°	1906.6	1855.8	1877.2	2032.5	2391.4
27.5°	1920.0	1807.6	1815.6	1978.9	2278.9
30°	1922.7	1748.6	1751.3	1922.7	2153.0
32.5°	1904.0	1687.1	1689.7	1853.1	2011.1
35°	1858.4	1614.7	1612.1	1772.7	1818.3
37.5°	1796.8	1537.1	1537.1	1684.4	1606.7
40°	1721.9	1459.4	1467.5	1569.2	1419.3
42.5°	1630.8	1376.4	1387.1	1416.6	1280.0
45°	1531.7	1296.1	1304.1	1197.0	1172.9
47.5°	1421.9	1213.1	1215.7	993.5	1138.1
50°	1290.7	1127.4	1116.7	851.6	1135.4
52.5°	1175.6	1033.7	1001.5	771.2	1031.0
55°	1063.1	934.6	864.9	709.6	956.0
57.5°	964.0	806.0	739.1	637.3	939.9
60°	873.0	680.2	629.3	559.7	862.3
62.5°	798.0	586.5	575.7	506.1	781.9
65°	717.7	522.2	519.5	460.6	664.1
67.5°	640.0	479.3	476.7	417.7	506.1
70°	557.0	433.8	428.5	372.2	374.9
72.5°	471.3	382.9	377.6	334.7	310.6
75°	385.6	324.0	321.3	291.9	251.7
77.5°	302.6	257.1	262.4	235.7	184.8
80°	216.9	187.5	192.8	168.7	139.2
82.5°	144.6	123.2	128.5	107.1	93.7
85°	80.3	69.6	72.3	56.2	42.8
87.5°	37.5	32.1	32.1	21.4	13.4
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.6	418.8	384.2	245.6	106.9
97.5°	1001.7	460.1	429.4	307.2	184.9
100°	1095.6	494.5	466.8	355.9	245.0
102.5°	1138.7	529.1	503.2	399.7	296.3
105°	1170.7	580.3	558.4	470.8	383.2
107.5°	1176.6	656.1	635.6	554.0	472.3
110°	1167.6	698.4	679.9	606.2	532.4



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CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1168.1	749.6	732.0	661.8	591.5
115°	1178.8	826.5	810.2	745.4	680.5
117.5°	1200.8	901.1	886.4	827.5	768.5
120°	1218.6	944.6	930.7	875.2	819.8
122.5°	1244.2	995.8	981.8	925.9	869.9
125°	1278.7	1061.5	1048.7	997.8	946.8
127.5°	1313.2	1125.0	1112.1	1060.6	1009.1
130°	1338.5	1167.3	1153.4	1098.0	1042.6
132.5°	1358.8	1201.8	1188.0	1132.6	1077.1
135°	1381.2	1241.9	1229.3	1178.8	1128.4
137.5°	1414.5	1293.1	1280.6	1230.7	1180.7
140°	1435.0	1327.7	1316.2	1270.2	1224.1
142.5°	1452.0	1353.3	1342.7	1300.1	1257.5
145°	1474.3	1392.3	1383.0	1345.9	1308.8
147.5°	1507.0	1441.3	1432.3	1396.1	1360.0
150°	1524.1	1466.9	1458.7	1426.0	1393.4
152.5°	1535.2	1483.6	1477.5	1452.6	1427.9
155°	1559.8	1520.4	1515.8	1497.5	1479.2
157.5°	1584.3	1557.2	1552.7	1534.9	1517.0
160°	1595.4	1573.9	1570.4	1556.6	1542.6
162.5°	1607.3	1591.6	1589.0	1578.6	1568.2
165°	1624.3	1617.2	1614.9	1605.5	1596.1
167.5°	1637.7	1631.8	1630.6	1626.2	1621.7
170°	1648.8	1648.5	1647.4	1643.0	1638.5
172.5°	1649.6	1649.6	1649.3	1648.3	1647.3
175°	1656.3	1659.6	1659.6	1659.6	1659.6
177.5°	1657.1	1659.6	1659.6	1659.6	1659.6
180°	1659.6	1659.6	1659.6	1659.6	1659.6



TEST NUMBER: P935127
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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	11.41	12.19	12.45	13.23	14.63	14.26	15.04	15.30	16.09	17.49
	3H	11.88	12.58	12.93	13.63	15.05	15.61	16.31	16.65	17.36	18.78
	4H	12.07	12.73	13.13	13.79	15.21	16.05	16.72	17.11	17.77	19.20
	6H	12.18	12.80	13.25	13.85	15.29	16.34	16.95	17.41	18.01	19.44
	8H	12.18	12.76	13.25	13.84	15.27	16.41	17.00	17.49	18.07	19.50
	12H	12.15	12.70	13.23	13.77	15.23	16.45	17.01	17.53	18.07	19.53
4H	2H	12.44	13.10	13.50	14.15	15.58	14.66	15.32	15.72	16.38	17.80
	3H	13.46	14.01	14.53	15.09	16.53	16.17	16.72	17.24	17.80	19.24
	4H	13.73	14.24	14.81	15.31	16.77	16.69	17.20	17.77	18.27	19.73
	6H	13.85	14.29	14.94	15.38	16.84	17.06	17.50	18.15	18.59	20.04
	8H	13.86	14.26	14.94	15.35	16.82	17.17	17.58	18.25	18.66	20.13
	12H	13.82	14.19	14.92	15.29	16.76	17.23	17.59	18.33	18.69	20.17
8H	4H	14.18	14.59	15.27	15.67	17.15	16.81	17.22	17.90	18.30	19.78
	6H	14.44	14.78	15.55	15.90	17.37	17.25	17.59	18.36	18.71	20.18
	8H	14.48	14.78	15.60	15.89	17.37	17.41	17.70	18.52	18.81	20.30
	12H	14.46	14.72	15.58	15.83	17.35	17.50	17.76	18.62	18.87	20.39
12H	4H	14.18	14.55	15.29	15.65	17.13	16.77	17.14	17.88	18.24	19.72
	6H	14.50	14.80	15.62	15.91	17.39	17.25	17.54	18.36	18.65	20.14
	8H	14.56	14.82	15.68	15.93	17.45	17.41	17.67	18.53	18.77	20.30